

New warehouse  
in the UK!



NiroSan<sup>®</sup> | NiroTherm<sup>®</sup> | PURAPRESS<sup>®</sup> |  
SANHA<sup>®</sup>-Press | SANHA<sup>®</sup>-Heavy Steel Press |  
SANHA<sup>®</sup>-Therm | 3fit<sup>®</sup> | SANHA<sup>®</sup>-Box |  
SANHA<sup>®</sup>-Heat | SANHA<sup>®</sup>-Ball valves |  
SA | PURAFIT<sup>®</sup> | SANHA RefHP<sup>®</sup>

Piping systems for safe and reliable installations ·  
All common materials · All applications

## Catalogue

*Since 1964.*



NiroSan<sup>®</sup> | NiroTherm<sup>®</sup> | PURAPRESS<sup>®</sup> |  
SANHA<sup>®</sup>-Press | SANHA<sup>®</sup>-Heavy Steel Press |  
SANHA<sup>®</sup>-Therm | 3fit<sup>®</sup> | SANHA<sup>®</sup>-Box |  
SANHA<sup>®</sup>-Heat | SANHA<sup>®</sup>-Ball valves |  
SA | PURAFIT<sup>®</sup> | SANHA RefHP<sup>®</sup>



**Piping systems for safe and reliable installations ·  
All common materials · All applications**

# Catalogue

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## INSTRUCTIONS

### GENERAL INSTRUCTIONS

We reserve the right to adjust your orders within 25% to deliver complete packages (carton, bag, tube bundles).

### PRICES

Individual multipliers are applied to these prices. All prices refer to pieces or meters. Please note that the multi billing depends on the respective article subgroup (AUG).

### IMAGES

The product images shown here are for illustrative purposes only and may differ from the delivered goods.

## EXPLANATIONS OF SYMBOLS / ABBREVIATIONS

a..A. = on request; AG = external thread; AUG = Article subgroup; IG = internal thread; M= Metric thread; MU = Nut

We reserve the right to effect changes to technical specifications, packaging details and product range as well as printing errors.

## DELIVERY COSTS ARE AS FOLLOWS

Order value*	Shipping costs**
Fittings, MultiFit® pipes (in rolls), pressing tools and accessories:	
Less than £1,000	£10.00
Plus £1,000	free of all charges
Pipes incl. MultiFit® (in bars) & wall heating modules:	
Less than £2,000	price upon application
Plus £2,000	carriage paid
For orders outside the bundle sizes of our tubes, we charge an extra fee of 10 %.	

\* Net

\*\* Shipping costs apply to German shipping station. Express shipping costs are borne by the buyer (depending on weight and volume).

### PAYMENT

30 days net. Delivery is made on the basis of our current terms and conditions of sales and delivery. The place of jurisdiction in all cases is Essen.

## CONTACT

### GENERAL

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www.sanha.co.uk

# About SANHA®



## Success needs responsibility

Today, SANHA® is one of the leading manufacturers of piping systems and has been owned by the family since it was founded in 1964. The product range comprises around 10,000 products made of copper and copper alloys, stainless steel, carbon steel and non-ferrous materials, which are used in the areas of drinking water, heating, gas, solar, industry, fire protection, waste water and many other applications. They are manufactured at four locations in Europe to the highest quality standards. Practical, easy-to-assemble and reliable premium products, the highest quality standards, comprehensive service and a clear commitment to the three-stage distribution channel via wholesalers and specialist trade partners are our success factors.

SANHA logistics center at the headquarters in Essen



SANHA copper fitting plant in Ternat, Belgium



Founded by M. and F. Kaimer in Essen

Beginning of fitting production

Ternat plant, Belgium

Beginning of foreign business

SANHA®-Press made of copper and gunmetal

Factory, Berlin

Schmiedefeld plant near Dresde · NiroSan®

Legnica plant, Polonia





NiroSan®  
stainless steel pipe plant  
in Berlin



SANHA production  
and logistics center  
in Legnica, Poland



NiroSan®  
stainless steel fitting plant  
in Schmiedefeld near Dresden

### Data and facts

- Foundation 1964
- Owner-managed family business
- ca. 10.000 different products
- More than 80% In-house production capacity
- 4 production sites, including its own pipe mill
- Sales activities in 40 countries
- 120 million euro annual sales
- approx. 650 employees
- Numerous patents and trademarks
- Continuously certified according to ISO 9001: 2015
- More than 200 international product certifications
- 3 fully equipped training centers

50th anniversary -  
Plus X Award for the  
**PURAPRESS®** series -  
BVF seal for SANHA-Heat -  
NiroTherm® system

SANHA®-Therm,  
MultiFit®-Flex,  
Tubos NiroTherm®,  
3fit®-Press,  
3fit®-Push and  
NiroSan®-ECO

SANHA  
wall heating  
module

SANHA MASTER 3  
Drainage system

High pressure  
soldering fittings  
RefHP®

Plancal Nova

2007

2009

2011

2013

2014

2015

2016

2017

2018

2019

2021

2022

First press and  
threaded fittings  
made of lead-  
free silicon bron-  
ze "pb-free"

Complete  
conversion  
to **lead-free**  
silicon bronze

**3fit®-Press** Pb-free/PPSU -  
all product data according  
to VDI3805

Sanha Box launch

Introduction  
**NiroSan XXL**

**SANHA® -  
Heavy Steel Press,  
SANHA® -  
Ball valves**

# SANHA offers a unique tool compatibility for all SANHA press systems and many other advantages

SANHA offers many advantages to save you time and effort.

One of these is „combipress“:

## SANHA tool compatibility

- Lower costs, as no new tooling is required
- More safety, as no pressing errors or malfunctions due to an incorrect tool
- Very flexible as all tools can be used
- Faster assembly thanks to parallel work
- For more information on the requirements, please visit [www.sanha.com/vorteile/combipress](http://www.sanha.com/vorteile/combipress)

## Push & Stay [P&S]

- Quick and easy pre-assembly and alignment before grouting
- Fitting holds securely on the pipe without slipping off

## Unpressed leakage

- Connections are visibly leaking before pressing when pushing off
- More safety because forgotten connections can be reliably identified

**Can be pressed with SA, M and V profile**

For copper, stainless steel and carbon steel!

**combipress**

= Tool Compatibility + Push & Stay  
+ Leak Path Feature

**exclusive from SANHA**





## Wide and deep range

The **SANHA product range** includes all standard installation materials such as copper and copper alloys, stainless steel, Carbon steel and composites, up to lead-free silicon bronze. For pressing, soldering, welding, screwing or plugging.

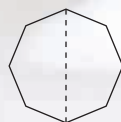
**All common dimensions** from 6 mm to 169 mm or from 1/8" to 4" and numerous special shapes and reductions leave nothing to be desired.

## Material-neutral consulting

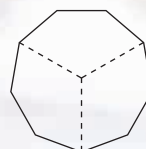
**SANHA offers all materials and all joining techniques** - an elementary prerequisite for neutral consulting. So you always get the ideal solution for your application.

### Particularly round press pattern

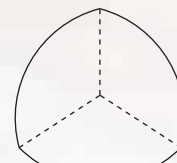
- The particular press profile provides ample safety against pressure shocks
- The particularly round pressing pattern generates less turbulence.



**8-edge profile**  
12 mm - 35 mm



**9-edge profile**  
42 mm + 54 mm



**Cheek profile**  
64 mm - 108 mm

## Investing in safety

SANHA piping systems and soldered and threaded fittings are not only certified by DVGW, SVGW, WRAS and ÖVGW, but also by many other important international certification bodies.



# SANHA 4.0: We can do it!

Manufacturers, retailers, planners and, increasingly, many craft businesses are digitalising their processes more and more. We provide you with practical support and thus also increase your added value.

## Quality data helps everyone

Digitalisation extends to virtually all areas of the company. This includes

- **Current data provision via EDI:** Business processes are exchanged electronically between companies, duplication of work and data errors are significantly reduced or even eliminated. Many business processes become more efficient in this way and transactions can be completed more quickly.
- **ETIM:** ETIM is an industry standard. This means that all parties involved use the same product and catalog database. Because the structure and descriptions are the same, there is no need for all the data formatting and adaptation that used to be necessary and was usually time-consuming. In this way, we actively support sales with retailers.
- **Open Datacheck/Open Datapool:** Open Datacheck is an online platform that SHK manufacturers use to check and optimise their product data and pass it on to the member companies of DG-Haustechnik and VEG. Furthermore, Open Datacheck also serves the platform of the ZVSHK, Open Datapool, and thus the trade with product data. These are extensively checked in accordance with the respective directive. This ensures high data quality at all times.
- **3D data, autorouting, autoscaling and much more via BIM Revit, Plancal Nova:** Planning a professional piping system with the right diameters, pipes and fittings can be very time-consuming. To reduce this effort, we provide all necessary information in BIM Revit format. Among other things, the SANHA Product Line Placer App for Revit was developed for this purpose. Planners thus have all the tools they need to draw piping systems quickly and easily.
- **CAD files:** All SANHA products can be requested as files that can be loaded into drawing programs such as AutoCAD, Inventor etc. The various file extensions such as .dwg, step, stx etc. can be requested at [technik@sanha.com](mailto:technik@sanha.com).
- **VMI (Vendor Managed Inventory):** This process is particularly attractive for our trading partners. This is because we take over inventory management and replenishment - it can't be simpler than this!
- **eShop:** For many years now, you have had access to [www.sanha-shop.com](http://www.sanha-shop.com) user Webshop. It can also be conveniently navigated using mobile devices.

The use of digital processes in production, logistics, sales and administration has significantly accelerated many processes, thus liberating resources for core tasks.

E-mail floods, for example, are contained by the use of productivity-enhancing communication software. The use of cloud solutions increases data security and contributes to increased efficiency, as does **"invoice dispatch via PDF"**: This reduces the number of different document versions and time-consuming processes.

## In addition, we offer numerous service modules:

They range from planning services to onsite training and our warehouse in Rugby, which ensures that large projects in particular are supplied with the defined quantity of goods on time. Construction site support can also be provided on request.

### Planning Service

According to exact customer specifications, we prepare the complete project planning for drinking water and heating systems or more. For this purpose, we prepare all the necessary calculations and plans, including the recommended material extracts. Of course, our planning also includes all relevant data for a professional hydraulic system adjustment. Our experienced planning team attaches great importance to user-friendly, practical, efficient and cost-effective system planning.

For whom does SANHA offer this planning service?

- For all **installers** who plan plants themselves and need support in the preparation of project plans, e.g. for reasons of capacity utilisation.
- For **engineering and planning offices** that need support due to capacity bottlenecks, for example in the project planning of drinking water and heating systems.




# Corporate Social Responsibility

## Circular economy




The pre-material is as **recyclable** as possible

Recycled **packaging** and the use of as few plastic components as possible 



Products with a **design life** of +50y, with a high % of recyclability afterwards

**Everyday objects** are as much as possible recyclable or useable e.g. recycled & reusable coffee cups 


## Environment



**Lead-free\*** solutions for piping systems, given the harmful effects of lead on human health and the environment.

\* first manufacturer on the market

### Digitalisation

within the company to save ink and paper 




All documents needed within the company are available in the **cloud** to everyone, anytime, anywhere, so nothing needs to be sent or printed

## CO<sub>2</sub>-Neutrality




Our own energy managers pursue both imposed and set objectives. **ISO 9001 certificate**.


Vehicle fleet greatly reduced + strict guidelines for **CO<sub>2</sub> emissions** 



Conference calls, meetings and trans-national training sessions via **Teams** to avoid travel

Less energy consumption by using cloud services 

## Personnel Policy

 We encourage **diversity** across our workforce - this has led to innovative ways of working and has fostered a respect for one another.

For certain jobs, priority is given to those who may be **discriminated** against elsewhere, e.g. people with disabilities.



All employees have the option to talk to a HR manager on a day-to-day basis, and open communication is encouraged throughout the company.

Superb internal and external training courses equip our employees with skills that lead to new career opportunities within the company.



Excellent **safety** training and protocols.

Employees have access to bicycle allowances and have the opportunity to register for various **sporting activities**.



## Building Information Modeling

SANHA has invested heavily in Building Information Modelling, a digital concept that provides insights. Therefore, working with BIM saves on costs and is more efficient.



The SANHA Revit app gives customers the opportunity to work with BIM to design piping systems.

## Applications at a glance

Application Pipe Material number	Drinking water	Rain-water	Treated water	Heating water	Thermal Solar system	Open cooling water system	
						Steam condensate	
NiroSan® 1.4404 AISI 316 L	NiroSan®	NiroSan®	NiroSan®	NiroSan®	NiroSan® Industry	NiroSan®	
	PURAPRESS®	PURAPRESS®	PURAPRESS®	PURAPRESS®			
NiroSan®-F 1.4521 AISI 443/444	NiroSan®	NiroSan®	NiroSan®	NiroSan®	NiroSan® Industry	NiroSan®	
	PURAPRESS® d ≤ 45 mm	PURAPRESS®	PURAPRESS®	PURAPRESS®			
NiroSan®-ECO 1.4404 AISI 316 L	NiroSan®	NiroSan®	NiroSan®	NiroSan®	NiroSan® Industry	NiroSan®	
	PURAPRESS®	PURAPRESS®	PURAPRESS®	PURAPRESS®			
NiroTherm® 1.4301 AISI 304		NiroSan®	NiroSan®	NiroSan®	NiroSan® Industry	NiroSan®	
		NiroTherm®	NiroTherm®	NiroTherm® SANHA®-Therm			NiroTherm® Industry
thick-walled steel pipes 10255, EN 10220 / 10216-1 or EN 10217-1				SANHA®- Heavy Steel Press			
SANHA®-Therm C-Stahl 1.0034				SANHA®-Therm	SANHA®-Therm Industry		
SANHA®-Therm DZ Carbon steel 1.0034 galvanised (inside / outside)							
Copper EN 1057/ DVGW-GW 392	SANHA®-Press	SANHA®-Press	SANHA®-Press	SANHA®-Press	SANHA®-Press Solar	SANHA®-Press	
	PURAPRESS®	PURAPRESS®	PURAPRESS®	PURAPRESS®			
MultiFit®-Flex PE-RT; Al; PE-RT	3fit®-Press	3fit®-Press	3fit®-Press	3fit®-Press			
	3fit®-Push	3fit®-Push	3fit®-Push	3fit®-Push			
MultiFit®-PEX PE-Xc				3fit®-Press			
				3fit®-Push			

recommended
  on demand only
  not suitable

	Closed cooling water system	Firepoint supply lines	Sprinkler systems	Natural gas installations	Fuel oil installations	Industrial applications	Compressed air system	Technical gases
				Liquid gas installations				
				Hydrogen				
	NiroSan®	NiroSan® PURAPRESS® only wet systems	NiroSan® only wet systems	NiroSan® Gas	NiroSan® Industry	NiroSan® Industry	NiroSan® Industry	NiroSan®
	PURAPRESS®	NiroSan® Industry only dry systems	NiroSan® Industry only dry systems					
	NiroSan®	NiroSan®			NiroSan® Industry	NiroSan® Industry	NiroSan® Industry	NiroSan®
	PURAPRESS®	PURAPRESS® only wet systems						
	NiroSan®				NiroSan® Industry	NiroSan® Industry	NiroSan® Industry	NiroSan®
	PURAPRESS®							
	NiroSan®				NiroSan® Industry	NiroSan® Industry	NiroSan® Industry	NiroSan®
	NiroTherm®				NiroTherm® Industry	NiroTherm® Industry	NiroTherm® Industry	NiroTherm®
	SANHA®-Therm							
	SANHA®-Heavy Steel Press				SANHA®-Heavy Steel Press Gas	SANHA®-Heavy Steel Press Gas	SANHA®-Heavy Steel Press Gas	SANHA®-Heavy Steel Press Gas
	SANHA®-Therm	SANHA®-Therm				SANHA®-Therm Industry	SANHA®-Therm Industry dry, oil content ≤ 25 mg/m³	
	SANHA®-Therm						SANHA®-Therm Industry dry, oil content ≤ 25 mg/m³	
	SANHA®-Press	SANHA®-Press		SANHA®-Press Gas	SANHA®-Press Solar	SANHA®-Press	SANHA®-Press Solar	SANHA®-Press Gas
	PURAPRESS®	PURAPRESS® only wet systems						
	3fit®-Press					3fit®-Press	3fit®-Press	3fit®-Press
	3fit®-Push					3fit®-Push	3fit®-Push up to compressed air class 5	3fit®-Push
	3fit®-Press							
	3fit®-Push							

Please pay particular attention to our technical documentation and installation instructions!

**Customer support:** If you have technical questions or questions concerning the areas of application, please contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245





# PIPING SYSTEMS

## Stainless steel



**NiroSan®**  
Series 9000

**combipress**  
= Tool Compatibility + Push & Stay  
+ Leak Path Feature  
**exclusive from SANHA**

### AREAS OF APPLICATION

- | Drinking water
- | Heating
- | Rainwater
- | Fire extinguishing system [wet]
- | Sprinkler systems [wet]
- | Inert gases
- | Cooling water pipes
- | Ship building
- | Compressed air [ $<25\text{mg}/\text{m}^3$  oil]



# NiroSan®

## Series 9000

The piping system consists of high-grade NiroSan® press fittings with an moulded sealing ring made of EPDM and NiroSan® stainless steel system pipes according to EN 10312.

All NiroSan® press fittings are made from the premium stainless steel type 1.4404 / AISI 316L and 1.4408 (for precision cast threaded stainless steel components). The material 1.4404 contains at least 2.3 % molybdenum, with less carbon than the conventional type 1.4401. For this reason material no 1.4404/316L is a superior material with higher corrosion resistance than standard stainless steels.

The NiroSan® press system and its components are certified in accordance with the rules and regulations of all important European certification bodies.

All press fittings are also available in a silicone free version with an EPDM O-ring.

### Operating conditions for the NiroSan® press system

Water and aqueous solutions

Technical gases (non-toxic, non-flammable)

Outside pipe diameter	$d \leq 168.3$ mm
Operating pressure	16 bar
Operating temperature NiroSan® press fittings with EPDM sealing ring	-30 °C – +120 °C
Pipe thread	R/Rp thread according to EN 10226
Fastening thread	G thread according to ISO 228

All pipes are available in 3 and 6 m lengths.

Please pay particular attention to our technical documentation and installation instructions! Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

## FEATURES

### Combipress

- **Tool compatibility:** pressable with press jaws and slings with original SA, V and M profile up to and including 54 mm (with M and SA up to 108 mm).
- **Leak path feature:** (certified forced leakage before pressing with EPDM and HNBR sealing rings) in combination with
- **Push & Stay:** Pipe is retained after locating into the SANHA fitting, this feature is inclusive on fittings up to 54 mm

### Fast installation, no risk of fire

- The connection with stainless steel pipes by cold pressing enables a fast, time-saving installation and eliminates the risk of fire during the process. NiroSan® piping systems are therefore ideally suited for renovation work.

### High corrosion resistance

- The premium stainless steel type 1.4404 (316L) and the exceptionally smooth, passivated surface of pipes and fittings lead to an excellent corrosion resistance.

### Exceptional flexibility

- All dimensions from 15 to 168.3 mm
- Reliable, permanent connection with NiroSan® stainless steel system pipes:
  - **NiroSan®** (1.4404/316L), TIG-welded, annealed, low carbon, high ( $\geq 2.3$  %) molybdenum content for increased corrosion resistance. Labelled in black lettering.
  - **NiroSan® ECO** (1.4404/316L), optimised wall thickness, TIG-welded, annealed, low carbon, high ( $\geq 2.3\%$ ) molybdenum content for increased corrosion resistance.
  - **NiroSan®-F** (1.4521/444), TIG-welded, pickled for improved corrosion resistance, nickle-free
- Thread according to EN 10226 and/or ISO7/1 Typ R and Rp

## Product catalogue | (Series 9000)

### 9000

AUG 472

NiroSan® system pipe, material no. 1.4404 (316 L), in 6 m rods



Article No.	Dimension	Bag*	Box
6900015	15 x 1.0	600	o. r.
6900018	18 x 1.0	348	o. r.
6900022	22 x 1.2	420	o. r.
6900028	28 x 1.2	240	o. r.
6900035	35 x 1.5	180	o. r.
6900042	42 x 1.5	120	o. r.
6900054	54 x 1.5	60	o. r.
6900064	64 x 2.0	60	o. r.
6900076	76.1 x 2.0	30	o. r.
6900089	88.9 x 2.0	30	o. r.
6900108	108.0 x 2.0	30	o. r.
69000140	139.7 x 2.6	o. r.	o. r.
69000168	168.3	o. r.	o. r.

### 9100

AUG 480

NiroTherm® system pipe, material no. 1.4301 (304), reduced wall thickness, in 6 m rods, for cooling, compressed air, heating and industrial applications, in combination with SANHA-Therm press fittings of 24000 series or NiroSan-Press fittings of 9000 series



Article No.	Dimension	Bag*	Box
6910015	15 x 0.6	600	o. r.
6910018	18 x 0.7	348	o. r.
6910022	22 x 0.7	420	o. r.
6910028	28 x 0.8	240	o. r.
6910035	35 x 1.0	180	o. r.
6910042	42 x 1.1	120	o. r.
6910054	54 x 1.2	60	o. r.
6910076	76.1 x 1.5	30	o. r.
6910089	88.9 x 1.5	30	o. r.
69100108	108.0 x 1.5	30	o. r.
69100140	139.7 x 2.0	o. r.	o. r.
69100168	168.3	o. r.	o. r.

### 9500

AUG 472

NiroSan® system pipe, material no. 1.4404 (316 L), in 3 m rods



Article No.	Dimension	Bag*	Box
6950015	15 x 1.0	300	o. r.
6950018	18 x 1.0	174	o. r.
6950022	22 x 1.2	210	o. r.
6950028	28 x 1.2	120	o. r.
6950035	35 x 1.5	90	o. r.
6950042	42 x 1.5	60	o. r.
6950054	54 x 1.5	30	o. r.
6950076	76.1 x 2.0	15	o. r.
6950089	88.9 x 2.0	15	o. r.
69500108	108.0 x 2.0	15	o. r.

### 9600

AUG 473

NiroSan®-ECO system pipe, material no. 1.4404 (316 L), reduced wall thickness, in 6 m rods, for potable water and heating installation



Article No.	Dimension	Bag*	Box
6960015	15 x 0.6	600	o. r.
6960018	18 x 0.7	348	o. r.
6960022	22 x 0.7	420	o. r.
6960028	28 x 0.8	240	o. r.
6960035	35 x 1.0	180	o. r.
6960042	42 x 1.1	120	o. r.
6960054	54 x 1.2	60	o. r.
6960076	76.1 x 1.5	30	o. r.
6960089	88.9 x 1.5	30	o. r.
69600108	108 x 1.5	30	o. r.

### 9700

AUG 475

NiroSan®-F system pipe, material no. 1.4521 (443/444), nickel-free, in 6 m rods



Article No.	Dimension	Bag*	Box
6970015	15 x 1.0	600	o. r.
6970018	18 x 1.0	348	o. r.
6970022	22 x 1.2	420	o. r.
6970028	28 x 1.2	240	o. r.
6970035	35 x 1.5	180	o. r.
6970042	42 x 1.5	120	o. r.
6970054	54 x 1.5	60	o. r.

## Product catalogue | (Series 9000)

### 9700

AUG 475

NiroSan®-F system pipe, material no. 1.4521 (443/444), nickel-free, in 6 m rods



Article No.	Dimension	Bag*	Box
6970076	76.1 x 2.0	30	o. r.
6970089	88.9 x 2.0	30	o. r.
69700108	108.0 x 2.0	30	o. r.

### 9150

AUG 480

NiroTherm® system pipe, material no. 1.4301 (304), reduced wall thickness, in 3 m rods, for cooling, compressed air, heating and industrial applications, in combination with SANHA-Therm press fittings of 24000 series or NiroSan-Press fittings of 9000 series



Article No.	Dimension	Bag*	Box
6915015	15 x 0.6	300	o. r.
6915018	18 x 0.7	120	o. r.
6915022	22 x 0.7	210	o. r.
6915028	28 x 0.8	120	o. r.
6915035	35 x 1.0	90	o. r.
6915042	42 x 1.1	60	o. r.
6915054	54 x 1.2	30	o. r.
6915076	76.1 x 1.5	15	o. r.
6915089	88.9 x 1.5	15	o. r.
69150108	108 x 1.5	15	o. r.

### 9650

AUG 473

NiroSan®-ECO system pipe, material no. 1.4404 (316 L), reduced wall thickness, in 3 m rods, for potable water and heating installation



Article No.	Dimension	Bag*	Box
6965015	15 x 0.6	300	o. r.
6965018	18 x 0.7	174	o. r.
6965022	22 x 0.7	210	o. r.
6965028	28 x 0.8	120	o. r.
6965035	35 x 1.0	90	o. r.
6965042	42 x 1.1	60	o. r.
6965054	54 x 1.2	30	o. r.
6965076	76.1 x 1.5	15	o. r.
6965089	88.9 x 1.5	15	o. r.
69650108	108 x 1.5	15	o. r.

### 9750

AUG 475

NiroSan®-F system pipe, material no. 1.4521 (443/444), nickel-free, in 3 m rods



Article No.	Dimension	Bag*	Box
6975015	15 x 1.0	300	o. r.
6975018	18 x 1.0	174	o. r.
6975022	22 x 1.2	210	o. r.
6975028	28 x 1.2	120	o. r.
6975035	35 x 1.5	90	o. r.
6975042	42 x 1.5	60	o. r.
6975054	54 x 1.5	30	o. r.
6975076	76.1 x 2.0	15	o. r.
6975089	88.9 x 2.0	15	o. r.
69750108	108.0 x 2.0	15	o. r.

### 9001A

AUG 009

NiroSan® Bend 90°, female/male plain end



Article No.	Dimension	Bag	Box
69001A15	15	10	200
69001A18	18	10	150
69001A22	22	10	100
69001A28	28	5	60
69001A35	35	2	30
69001A42	42	2	20
69001A54	54	2	10
69001A64	64	1	8
69001A76	76.1	1	4
69001A89	88.9	1	2
69001A108	108.0	1	1

### 9001L

AUG 009

NiroSan® Bend 90°, long, female/male plain end



Article No.	Dimension	Bag	Box
69001L15	15	10	150
69001L18	18	10	100
69001L22	22	10	60
69001L28	28	5	30
69001L35	35	2	16
69001L42	42	2	10
69001L54	54	2	6

## Product catalogue | (Series 9000)

### 9002A

AUG 009

NiroSan® Bend 90°, female/female end



Article No.	Dimension	Bag	Box
69002A15	15	10	200
69002A18	18	10	150
69002A22	22	10	100
69002A28	28	5	60
69002A35	35	2	30
69002A42	42	2	20
69002A54	54	2	10
69002A64	64	1	8
69002A76	76.1	1	4
69002A89	88.9	1	2
69002A108	108.0	1	1
69002A140	139.7	1	3
69002A168	168.3	1	1

### 9002G

AUG 009

NiroSan® Bend 90°, female end and female thread



Article No.	Dimension	Bag	Box
69002G1512	15 x 1/2	10	100
69002G1812	18 x 1/2	10	70
69002G1834	18 x 3/4	10	70
69002G2234	22 x 3/4	10	60
69002G281	28 x 1	5	30
69002G35114	35 x 1 1/4	2	20

### 9002M

AUG 009

NiroSan® Bend 90°, nut, flat seal, female thread and female end



Article No.	Dimension	Bag	Box
69002M1534	15 x 3/4	10	100
69002M1834	18 x 3/4	10	100
69002M221	22 x 1	10	50
69002M28114	28 x 1 1/4	5	40

### 9002MG

AUG 009

NiroSan® Bend 90°, nut, flat seal, female end and male thread



Article No.	Dimension	Bag	Box
69002MG3434	3/4 x 3/4	10	60
69002MG11	1 x 1	10	40

### 9002AG

AUG 009

NiroSan® Bend 90°, female end and male thread



Article No.	Dimension	Bag	Box
69002AG1512	15 x 1/2	10	120
69002AG1812	18 x 1/2	10	100
69002AG1834	18 x 3/4	10	80
69002AG2234	22 x 3/4	10	80
69002AG281	28 x 1	5	40
69002AG35114	35 x 1 1/4	2	20
69002AG42112	42 x 1 1/2	2	10
69002AG542	54 x 2	2	6

### 9003

AUG 009

NiroSan® Bend 90°, male plain ends



Article No.	Dimension	Bag	Box
6900315	15	10	100
6900318	18	10	80
6900322	22	10	50
6900328	28	5	30
6900335	35	2	20
6900342	42	2	10
6900354	54	2	6

### 9003G

AUG 009

NiroSan® Bend 90°, male plain end and female thread



Article No.	Dimension	Bag	Box
69003G1812	18 x 1/2	10	80

## Product catalogue | (Series 9000)

### 9005

AUG 009

NiroSan® Pipe element with flanging for overflow



Article No.	Dimension	Bag	Box
690052850034	28 x 500 x 3/4	o.r.	28

### 9040

AUG 009

NiroSan® Bend 45°, female/male plain end



Article No.	Dimension	Bag	Box
6904015	15	10	250
6904018	18	10	200
6904022	22	10	120
6904028	28	5	70
6904035	35	2	40
6904042	42	2	26
6904054	54	2	14
6904064	64	1	12
6904076	76.1	1	5
6904089	88.9	1	3
69040108	108.0	1	2

### 9041

AUG 009

NiroSan® Bend 45°, female/female end



Article No.	Dimension	Bag	Box
6904115	15	10	250
6904118	18	10	200
6904122	22	10	120
6904128	28	5	65
6904135	35	2	44
6904142	42	2	26
6904154	54	2	14
6904164	64	1	12
6904176	76.1	1	5
6904189	88.9	1	3
69041108	108.0	1	2
69041140	139.7	1	4
69041168	168.3	1	2

### 9042

AUG 009

NiroSan® Bend 45°, male plain ends



Article No.	Dimension	Bag	Box
6904215	15	10	100
6904218	18	10	90
6904235	35	2	20

### 9043

AUG 009

NiroSan® Bend 15°, male plain ends



Article No.	Dimension	Bag	Box
6904315	15	10	100

### 9044

AUG 009

NiroSan® Bend 30°, male plain ends



Article No.	Dimension	Bag	Box
6904415	15	10	100
6904418	18	10	90

### 9045

AUG 009

NiroSan® Bend 75°, male plain ends



Article No.	Dimension	Bag	Box
6904515	15	10	130
6904518	18	10	80
6904522	22	10	60
6904535	35	2	20
6904542	42	2	10

## Product catalogue | (Series 9000)

### 9058

AUG 009

NiroSan® Bend 60°, male plain ends



Article No.	Dimension	Bag	Box
6905818	18	10	80
6905828	28	5	40
6905842	42	2	10
6905889	88.9	1	3
69058108	108.0	1	1

### 9085

AUG 009

NiroSan® Crossover, female/female end



Article No.	Dimension	Bag	Box
6908515	15	10	120
6908518	18	10	80
6908522	22	10	60
6908528	28	5	30

### 9087

AUG 009

NiroSan® Crossover, male/male plain end



Article No.	Dimension	Bag	Box
6908715	15	10	120
6908718	18	10	80
6908722	22	10	50
6908728	28	5	40

### 9090

AUG 009

NiroSan® Elbow 90°, female/female end



Article No.	Dimension	Bag	Box
6909022	22	10	100
6909028	28	5	60

### 9090IG

AUG 009

NiroSan® Elbow 90°, female end and female thread



Article No.	Dimension	Bag	Box
69090IG1512	15 x 1/2	10	180
69090IG1834	18 x 3/4	10	120
69090IG2234	22 x 3/4	10	100
69090IG281	28 x 1	5	50
69090IG3512	35 x 1/2	2	50
69090IG3534	35 x 3/4	2	50
69090IG35114	35 x 1 1/4	2	30

### 9092AG

AUG 009

NiroSan® Elbow 90°, female end and male thread



Article No.	Dimension	Bag	Box
69092AG1512	15 x 1/2	10	200
69092AG1812	18 x 1/2	10	200
69092AG1834	18 x 3/4	10	120
69092AG2234	22 x 3/4	10	100
69092AG281	28 x 1	5	50
69092AG35114	35 x 1 1/4	2	40
69092AG42112	42 x 1 1/2	2	30
69092AG542	54 x 2	2	16

### 9130

AUG 009

NiroSan® Tee, female ends



Article No.	Dimension	Bag	Box
6913015	15	10	120
6913018	18	10	80
6913022	22	10	60
6913028	28	5	40
6913035	35	2	24
6913042	42	2	16
6913054	54	2	8
6913064	64	1	5
6913076	76.1	1	3
6913089	88.9	1	2
69130108	108.0	1	1
69130140	139.7	1	4
69130168	168.3	1	1

## Product catalogue | (Series 9000)

### 9130

AUG 009

NiroSan® Tee, female ends



Article No.	Dimension	Bag	Box
69130181515	18 x 15 x 15	10	120
69130181518	18 x 15 x 18	10	80
69130221515	22 x 15 x 15	10	100
69130221522	22 x 15 x 22	10	70
69130221818	22 x 18 x 18	10	80
69130221822	22 x 18 x 22	10	60
69130281528	28 x 15 x 28	5	50
69130281828	28 x 18 x 28	5	40
69130282222	28 x 22 x 22	5	60
69130282228	28 x 22 x 28	5	40
69130351535	35 x 15 x 35	2	30
69130351835	35 x 18 x 35	2	30
69130352235	35 x 22 x 35	2	26
69130352835	35 x 28 x 35	2	26
69130421842	42 x 18 x 42	2	22
69130422242	42 x 22 x 42	2	18
69130422842	42 x 28 x 42	2	18
69130423542	42 x 35 x 42	2	16
69130542254	54 x 22 x 54	2	10
69130542854	54 x 28 x 54	2	10
69130543554	54 x 35 x 54	2	8
69130544254	54 x 42 x 54	2	8
69130642264	64 x 22 x 64	1	10
69130642864	64 x 28 x 64	1	10
69130643564	64 x 35 x 64	1	7
69130644264	64 x 42 x 64	1	7
69130645464	64 x 54 x 64	1	7
69130762276	76.1 x 22 x 76.1	1	5
69130762876	76.1 x 28 x 76.1	1	5
69130763576	76.1 x 35 x 76.1	1	5
69130764276	76.1 x 42 x 76.1	1	5
69130765476	76.1 x 54 x 76.1	1	4
69130766476	76.1 x 64 x 76.1	1	4
69130892289	88.9 x 22 x 88.9	1	4
69130892889	88.9 x 28 x 88.9	1	4
69130893589	88.9 x 35 x 88.9	1	4
69130894289	88.9 x 42 x 88.9	1	3
69130895489	88.9 x 54 x 88.9	1	3
69130896489	88.9 x 64 x 88.9	1	3
69130897689	88.9 x 76.1 x 88.9	1	2
6913010822108	108.0 x 22 x 108.0	1	2
6913010828108	108.0 x 28 x 108.0	1	2
6913010835108	108.0 x 35 x 108.0	1	2
6913010842108	108.0 x 42 x 108.0	1	2

### 9130

AUG 009

NiroSan® Tee, female ends



Article No.	Dimension	Bag	Box
6913010854108	108.0 x 54 x 108.0	1	1
6913010864108	108.0 x 64 x 108.0	1	1
6913010876108	108.0 x 76.1 x 108.0	1	1
6913014076140	139.7 x 76.1 x 139.7	1	2
6913014089140	139.7 x 88.9 x 139.7	1	2
69130140108140	139.7 x 108.0 x 139.7	1	2
6913010889108	108.0 x 88.9 x 108.0	1	1
6913016876168	168.3 x 76.1 x 168.3	1	1
6913016889168	168.3 x 88.9 x 168.3	1	1
69130168108168	168.3 x 108.0 x 168.3	1	1

### 9130G

AUG 009

NiroSan® Tee,  
female/female end and female thread



Article No.	Dimension	Bag	Box
69130G151215	15 x 1/2 x 15	10	80
69130G181218	18 x 1/2 x 18	10	80
69130G183418	18 x 3/4 x 18	10	70
69130G221222	22 x 1/2 x 22	5	60
69130G223422	22 x 3/4 x 22	10	50
69130G281228	28 x 1/2 x 28	5	40
69130G283428	28 x 3/4 x 28	5	40
69130G28128	28 x 1 x 28	5	40
69130G351235	35 x 1/2 x 35	2	30
69130G353435	35 x 3/4 x 35	2	30
69130G3511435	35 x 1 1/4 x 35	2	24
69130G421242	42 x 1/2 x 42	2	20
69130G423442	42 x 3/4 x 42	2	20
69130G4211242	42 x 1 1/2 x 42	2	12
69130G541254	54 x 1/2 x 54	2	12
69130G543454	54 x 3/4 x 54	2	12
69130G54254	54 x 2 x 54	2	8
69130G763476	76.1 x 3/4 x 76.1	1	4
69130G76176	76.1 x 1 x 76.1	1	4
69130G76276	76.1 x 2 x 76.1	1	4
69130G893489	88.9 x 3/4 x 88.9	1	4
69130G89289	88.9 x 2 x 88.9	1	4
69130G10834108	108.0 x 3/4 x 108.0	1	2
69130G1082108	108.0 x 2 x 108.0	1	2



## Product catalogue I (Series 9000)

### 9240

AUG 009

NiroSan® Reducing coupling,  
female/female end



Article No.	Dimension	Bag	Box
692401815	18 x 15	10	200
692402215	22 x 15	10	150
692402218	22 x 18	10	150
692402822	28 x 22	10	100

### 9243

AUG 009

NiroSan® Fitting reducer,  
with female and male plain end



Article No.	Dimension	Bag	Box
692431815	18a x 15	10	300
692432215	22a x 15	10	200
692432218	22a x 18	10	200
692432815	28a x 15	5	120
692432818	28a x 18	5	100
692432822	28a x 22	5	120
692433518	35a x 18	2	70
692433522	35a x 22	2	70
692433528	35a x 28	2	60
692434222	42a x 22	2	40
692434228	42a x 28	2	40
692434235	42a x 35	2	40
692435428	54a x 28	2	30
692435435	54a x 35	2	30
692435442	54a x 42	2	30
692436442	64a x 42	2	20
692436454	64a x 54	2	20
692437654	76.1a x 54	2	16
692437664	76.1a x 64	1	12
692438954	88.9a x 54	2	8
692438964	88.9a x 64	2	8
692438976	88.9a x 76.1	2	8
6924310854	108.0a x 54	2	4
6924310864	108.0a x 64	2	4
6924310876	108.0a x 76.1	2	4
6924310889	108.0a x 88.9	2	4
6924314089	139.7a x 88.9	1	3
69243140108	139.7a x 108.0	1	3
6924316889	168.3a x 88.9	1	o.r.
69243168108	168.3a x 108.0	1	2

### 9243G

AUG 009

NiroSan® Adaptor,  
with female end and male thread



Article No.	Dimension	Bag	Box
69243G1538	15 x 3/8	10	300
69243G1512	15 x 1/2	10	250
69243G1534	15 x 3/4	10	200
69243G1812	18 x 1/2	10	250
69243G1834	18 x 3/4	10	170
69243G2212	22 x 1/2	10	180
69243G2234	22 x 3/4	10	150
69243G221	22 x 1	10	100
69243G2834	28 x 3/4	5	100
69243G281	28 x 1	5	90
69243G3512	35 x 1/2	2	70
69243G3534	35 x 3/4	2	60
69243G351	35 x 1	2	60
69243G35114	35 x 1 1/4	2	40
69243G4234	42 x 3/4	2	50
69243G42112	42 x 1 1/2	2	30
69243G542	54 x 2	2	20
69243G64212	64 x 2 1/2	1	14
69243G76212	76.1 x 2 1/2	1	8
69243G893	88.9 x 3	1	6
69243G1084	108.0 x 4	1	4

### 9246G

AUG 009

NiroSan® Transition element,  
with male plain end and female thread



Article No.	Dimension	Bag	Box
69246G1512	15a x 1/2	10	200
69246G1812	18a x 1/2	10	200
69246G2212	22a x 1/2	10	180
69246G2234	22a x 3/4	10	120
69246G2834	28a x 3/4	5	100

## Product catalogue | (Series 9000)

### 9250

AUG 009

NiroSan® Adaptor, with female end and groove for tube coupling



Article No.	Dimension	Bag	Box
6925028337	28 x 33.7	5	80
6925035424	35 x 42.4	2	50
6925042483	42 x 48.3	2	40
6925054603	54 x 60.3	2	28
69250761761	76.1 x 76.1	1	10
69250889889	88.9 x 88.9	1	6
69250108114	108 x 114	1	5

### 9270

AUG 009

NiroSan® Coupling, female/female end



Article No.	Dimension	Bag	Box
6927015	15	10	300
6927018	18	10	200
6927022	22	10	150
6927028	28	5	80
6927035	35	2	50
6927042	42	2	30
6927054	54	2	24
6927064	64	1	20
6927076	76.1	1	10
6927089	88.9	1	6
69270108	108.0	1	4
69270140	139.7	1	2
69270168	168.3	1	2

### 9270G

AUG 009

NiroSan® Transition coupling, with female end and female thread



Article No.	Dimension	Bag	Box
69270G1512	15 x 1/2	10	200
69270G1534	15 x 3/4	10	180
69270G1812	18 x 1/2	10	200
69270G1834	18 x 3/4	10	170
69270G2212	22 x 1/2	10	170
69270G2234	22 x 3/4	10	120
69270G221	22 x 1	10	120
69270G2834	28 x 3/4	5	100

### 9270G

AUG 009

NiroSan® Transition coupling, with female end and female thread



Article No.	Dimension	Bag	Box
69270G281	28 x 1	5	80
69270G35114	35 x 1 1/4	2	36
69270G42112	42 x 1 1/2	2	28
69270G542	54 x 2	2	20
69270G64212	64 x 2 1/2	1	12

### 9270S

AUG 009

NiroSan® Slip coupling, female/female end



Article No.	Dimension	Bag	Box
69270S15	15	10	200
69270S18	18	10	150
69270S22	22	10	100
69270S28	28	5	80
69270S35	35	2	50
69270S42	42	2	40
69270S54	54	2	20
69270S64	64	1	12
69270S76	76.1	1	10
69270S89	88.9	1	4
69270S108	108.0	1	3

### 9280

AUG 009

NiroSan® Threaded adaptor, male/male thread



Article No.	Dimension	Bag	Box
6928012	1/2	10	230
6928034	3/4	10	140
692801	1	5	120

## Product catalogue | (Series 9000)

### 9280G

AUG 009

NiroSan® Adaptor,  
with male plain end and male thread



Article No.	Dimension	Bag	Box
69280G1512	15a x 1/2	10	200
69280G1812	18a x 1/2	10	150
69280G1834	18a x 3/4	10	180
69280G2212	22a x 1/2	10	200
69280G2234	22a x 3/4	10	100
69280G281	28a x 1	5	100
69280G542	54a x 2	2	20

### 9330

AUG 009

NiroSan® Union, with flat seal,  
stainless steel nut, female/female end



Article No.	Dimension	Bag	Box
6933015	15	5	120
6933018	18	5	80
6933022	22	5	50
6933028	28	5	35
6933035	35	2	30
6933042	42	2	20
6933054	54	2	12

### 9301

AUG 009

NiroSan® Cap, female end



Article No.	Dimension	Bag	Box
6930115	15	10	400
6930118	18	10	300
6930122	22	10	200
6930128	28	5	150
6930135	35	2	80
6930142	42	2	50
6930154	54	2	30
6930176	76.1	1	20
6930189	88.9	1	14
69301108	108.0	1	10

### 9330G

AUG 009

NiroSan® Union, with flat seal, brass  
nut, with female end and female thread



Article No.	Dimension	Bag	Box
69330G1534	15 x 3/4	5	100
69330G1834	18 x 3/4	5	80
69330G2234	22 x 3/4	5	50
69330G221	22 x 1	5	50
69330G2834	28 x 3/4	5	50
69330G281	28 x 1	5	40
69330G35114	35 x 1 1/4	2	30
69330G42112	42 x 1 1/2	2	20
69330G542	54 x 2	2	12

### 9301E

AUG 009

NiroSan® Cap for de-aeration,  
female end



Article No.	Dimension	Bag	Box
69301E7634	76.1 x 3/4	1	18
69301E8934	88.9 x 3/4	1	8
69301E10834	108.0 x 3/4	1	6

### 9330GMVA

AUG 009

NiroSan® Union, with flat seal,  
stainless steel nut, with female end  
and female thread



Article No.	Dimension	Bag	Box
69330GMVA1512	15 x 1/2	5	120
69330GMVA1534	15 x 3/4	5	100
69330GMVA1834	18 x 3/4	5	80
69330GMVA2234	22 x 3/4	5	50
69330GMVA221	22 x 1	5	50
69330GMVA2834	28 x 3/4	5	50
69330GMVA281	28 x 1	5	40
69330GMVA35114	35 x 1 1/4	2	30
69330GMVA42112	42 x 1 1/2	2	20
69330GMVA542	54 x 2	2	12

## Product catalogue | (Series 9000)

### 9333G

AUG 009

NiroSan® Union, with flat seal, brass nut, with female end and male thread



Article No.	Dimension	Bag	Box
69333G1512	15 x 1/2	5	150
69333G1534	15 x 3/4	5	120
69333G1812	18 x 1/2	5	100
69333G2234	22 x 3/4	5	60
69333G281	28 x 1	5	50
69333G35114	35 x 1 1/4	2	40
69333G42112	42 x 1 1/2	2	20
69333G542	54 x 2	2	12

### 9359MMS

AUG 009

NiroSan® Union adaptor with flat seal, brass nut, female end



Article No.	Dimension	Bag	Box
69359MMS1512	15 x 1/2	5	250
69359MMS1534	15 x 3/4	5	200
69359MMS1834	18 x 3/4	5	200
69359MMS221	22 x 1	5	130
69359MMS28114	28 x 1 1/4	5	50
69359MMS35112	35 x 1 1/2	2	50
69359MMS42134	42 x 1 3/4	2	34
69359MMS54238	54 x 2 3/8	2	20

### 9333GMVA

AUG 009

NiroSan® Union, with flat seal, stainless steel nut, with female end and male thread



Article No.	Dimension	Bag	Box
69333GMVA1512	15 x 1/2	5	150
69333GMVA1534	15 x 3/4	5	120
69333GMVA1812	18 x 1/2	5	100
69333GMVA2234	22 x 3/4	5	60
69333GMVA281	28 x 1	5	50
69333GMVA35114	35 x 1 1/4	2	40
69333GMVA42112	42 x 1 1/2	2	20
69333GMVA542	54 x 2	2	12

### 9370G

AUG 009

NiroSan® Threaded hexagon adaptor, female/male thread



Article No.	Dimension	Bag	Box
69370G3434	3/4 x 3/4	5	120
69370G11	1 x 1	5	100

### 9471

AUG 009

NiroSan® Wall plate with sound insulation, with female end and female thread



Article No.	Dimension	Bag	Box
694711512	15 x 1/2	2	30

### 9359M

AUG 009

NiroSan® Union adaptor with flat seal, stainless steel nut, female end



Article No.	Dimension	Bag	Box
69359M1512	15 x 1/2	5	250
69359M1534	15 x 3/4	5	200
69359M1834	18 x 3/4	5	200
69359M221	22 x 1	5	130
69359M28114	28 x 1 1/4	5	50
69359M35112	35 x 1 1/2	2	50
69359M42112	42 x 1 1/2	2	40
69359M42134	42 x 1 3/4	2	34
69359M422	42 x 2	2	36
69359M542	54 x 2	2	22
69359M54238	54 x 2 3/8	2	20
69359M54212	54 x 2 1/2	2	20

### 9472G

AUG 009

NiroSan® Wall plate with universal flange, with female end and female thread



Article No.	Dimension	Bag	Box
69472G1512	15 x 1/2	10	90
69472G1812	18 x 1/2	10	80
69472G2234	22 x 3/4	10	60
69472G2834	28 x 3/4	5	50

## Product catalogue | (Series 9000)

### 9478GZ

AUG 009

NiroSan® Double wall plate with female end and female thread



Article No.	Dimension	Bag	Box
69478GZ151215	15 x 1/2 x 15	1	40
69478GZ151218	15 x 1/2 x 18	1	40
69478GZ151222	15 x 1/2 x 22	1	o.r.
69478GZ181215	18 x 1/2 x 15	1	40
69478GZ181218	18 x 1/2 x 18	1	40
69478GZ221218	22 x 1/2 x 18	1	o.r.
69478GZ221222	22 x 1/2 x 22	1	30

### 9478GZW

AUG 009

NiroSan® Wall plate with feedthrough



Article No.	Dimension	Bag	Box
69478GZW1225	1/2 x 1/2 - 25 mm	1	o.r.
69478GZW1235	1/2 x 1/2 - 35 mm	1	o.r.
69478GZW1255	1/2 x 1/2 - 55 mm	1	o.r.
69478GZW1265	1/2 x 1/2 - 65 mm	1	o.r.
69478GZW1525	15 x 1/2 - 25 mm	1	15
69478GZW1535	15 x 1/2 - 35 mm	1	15
69478GZW1555	15 x 1/2 - 55 mm	1	10
69478GZW1565	15 x 1/2 - 65 mm	1	10
69478GZW1825	18 x 1/2 - 25 mm	1	15
69478GZW1835	18 x 1/2 - 35 mm	1	15
69478GZW1855	18 x 1/2 - 55 mm	1	10
69478GZW1865	18 x 1/2 - 65 mm	1	10
69478GZW2255	22 x 1/2 - 55 mm	1	10
69478GZW2225	22 x 1/2 - 25 mm	1	15
69478GZW2235	22 x 1/2 - 35 mm	1	12
69478GZW2265	22 x 1/2 - 65 mm	1	10

### 9478IGZ

AUG 009

NiroSan® Double wall flange with female end/ threads



Article No.	Dimension	Bag	Box
69478IGZ12	1/2	1	50

### 9872L

AUG 009

NiroSan® Axial compensator to compensate expansion, female/female end



Article No.	Dimension	Bag	Box
69872L15	15	1	100
69872L18	18	1	120
69872L22	22	1	60
69872L28	28	1	40
69872L35	35	1	30
69872L42	42	1	20
69872L54	54	1	14
69872L64	64	1	5
69872L76	76.1	1	5
69872L89	88.9	1	3
69872L108	108.0	1	2

### 9918

AUG 501

Stainless steel bracket, with sound insulation



Article No.	Dimension	Bag	Box
6991812	12	10	400
6991815	15	10	300
6991818	18	10	200
6991822	22	10	180
6991828	28	5	150
6991835	35	2	100
6991842	42	2	100
6991854	54	2	80
6991876	76.1	1	20
6991889	88.9	1	20
69918108	108.0	1	20

### 9919

AUG 501

NiroSan® Steel bracket, with sound insulation



Article No.	Dimension	Bag	Box
6991912	12	10	300
6991915	15	10	300
6991918	18	10	200
6991922	22	10	180
6991928	28	5	150
6991935	35	2	100

## Product catalogue I (Series 9000)

### 9919

AUG 501

NiroSan® Steel bracket,  
with sound insulation



Article No.	Dimension	Bag	Box
6991942	42	2	100
6991954	54	2	60
6991976	76.1	1	20
6991989	88.9	1	20
69919108	108.0	1	20

### 9980G

AUG 009

NiroSan® Installation set with wall plates



Article No.	Dimension	Bag	Box
69980G1512	15 x 1/2	1	12
69980G1812	18 x 1/2	1	12

### 9981G

AUG 009

NiroSan® Installation set  
with double wall plates



Article No.	Dimension	Bag	Box
69981G151215	15 x 1/2 x 15	1	o. r.
69981G151218	15 x 1/2 x 18	1	o. r.
69981G151222	15 x 1/2 x 22	1	o. r.
69981G181215	18 x 1/2 x 15	1	o. r.
69981G181218	18 x 1/2 x 18	1	8
69981G181222	18 x 1/2 x 22	1	o. r.
69981G221215	22 x 1/2 x 15	1	o. r.
69981G221218	22 x 1/2 x 18	1	o. r.
69981G221222	22 x 1/2 x 22	1	o. r.

### VA-PF

AUG 009

NiroSan® Crimping flange, with female  
end, PN 10/16, for potable water  
and heating



Article No.	Dimension	Bag	Box
6VAPF18	DN 15 / 18 mm	1	20
6VAPF22	DN 20 / 22 mm	1	16
6VAPF28	DN 25 / 28 mm	1	14
6VAPF35	DN 32 / 35 mm	1	10

### VA-PF

AUG 009

NiroSan® Crimping flange, with female  
end, PN 10/16, for potable water  
and heating



Article No.	Dimension	Bag	Box
6VAPF42	DN 40 / 42 mm	1	8
6VAPF54	DN 50 / 54 mm	1	3
6VAPF64	DN 50 / 64 mm	1	3
6VAPF76	DN 65 / 76.1 mm	1	2
6VAPF89	DN 80 / 88.9 mm	1	2
6VAPF108	DN 100 / 108.0 mm	1	1
6VAPF140	139.7	1	2
6VAPF168	168.3	1	1

### VA-PF-L4

AUG 009

NiroSan® Crimping flange,  
with female end, PN 10/16,  
for potable water and heating, 4-hole



Article No.	Dimension	Bag	Box
6VAPF76L4	DN 65 / 76.1 mm	1	2

### FL-D

AUG 602

High-pressure flange seal, asbestos-  
free, suitable for weld neck, threaded,  
press and loose flanges, max. 400°C,  
resistant against water, vapour, fuels,  
diluted alkaline solutions, oils, gases  
(DVGW tested according to DIN 3535  
Part 6). Dimensions according to DIN  
EN 1514 - 1.2 mm thick for flanges.  
PN 10/16 = DIN EN 1092-1 and DIN EN  
1092-22



Article No.	Dimension	Bag	Box
1D20	DN 20 (27 x 61 x 2 mm)	o. r.	200
1D25	DN 25 (34 x 71 x 2 mm)	o. r.	160
1D32	DN 32 (43 x 82 x 2 mm)	o. r.	120
1D40	DN 40 (49 x 92 x 2 mm)	o. r.	100
1D50	DN 50 (61 x 107 x 2 mm)	o. r.	120
1D65	DN 65 (77 x 127 x 2 mm)	o. r.	100
1D80	DN 80 (89 x 142 x 2 mm)	o. r.	80
1D100	DN 100 (115 x 168 x 2 mm)	o. r.	60

## Product catalogue I (Series 9000)

### D-EPDM

AUG 602

EPDM Flat Sealing



Article No.	Dimension	Bag	Box
1DEPDM38	3/8 nut 14 x 8 x 3	o. r.	o. r.
1DEPDM12	1/2 nut 18 x 11 x 3	o. r.	o. r.
1DEPDM34	3/4 nut 24 x 17 x 3	o. r.	o. r.
1DEPDM1	1 nut 30 x 21 x 3	o. r.	o. r.
1DEPDM114	1 1/4 nut 38 x 27 x 3	o. r.	o. r.
1DEPDM112	1 1/2 nut 44 x 32 x 3	o. r.	o. r.
1DEPDM134	1 3/4 nut 50 x 37 x 3	o. r.	o. r.
1DEPDM2	2 nut 55 x 42 x 3	o. r.	o. r.
1DEPDM238	2 3/8 nut 65 x 55 x 3	o. r.	o. r.
1DEPDM3	3 nut 85 x 70 x 3	o. r.	o. r.
1DEPDM312	3 1/2 nut 97 x 75 x 3	o. r.	o. r.

### 8984

AUG 556

Sound insulation for stainless steel double wall plates 9478GZ



Article No.	Dimension	Bag	Box
88984		6	30

### 8987

AUG 556

Sound insulation for wall plates 9472G & 91472G



Article No.	Dimension	Bag	Box
88987	15 x 1/2 + 18 x 1/2	6	30

### 4992

AUG 556

Insertion depth gauge for NiroSan® and NiroTherm®



Article No.	Dimension	Bag	Box
84992	12 - 108 mm	1	40

### 8981

AUG 556

Universal insulation plate for mounting on wall plates and double wall plates, also suitable for installation set



Article No.	Dimension	Bag	Box
88981		1	30

### 8982

AUG 009

Spacer for wall plate 9472g



Article No.	Dimension	Bag	Box
8898218	18mm-22 x 3/4	1	100
8898219	19mm-18 x 1/2	1	100
8898225	25mm-15 x 1/2	1	100





# PIPING SYSTEMS

## Stainless steel



### NiroSan® Gas

#### Series 17000

**combipress**  
= Tool Compatibility + Push & Stay  
+ Leak Path Feature  
**exclusive from SANHA**

#### AREAS OF APPLICATION

- | Natural gas, liquid gas (up to PN 5)
- | Ship building
- | Hydrogen



# NiroSan® Gas

## Series 17000

The piping system consists of high-quality NiroSan® Gas press fittings with yellow moulded sealing rings made of HNBR (hydrogenated nitrile butadiene rubber) and NiroSan® stainless steel system pipes according to EN 10312.

All NiroSan® Gas press fittings are made of the material 1.4404 / AISI 316L and 1.4408 (for threaded fittings and stainless steel precision castings). The material contains at a minimum of 2.3 % molybdenum and a lower carbon content than the conventional steel quality 316. For this reason material no 1.4404/316L is a superior material with higher corrosion resistance than standard stainless steels.

The NiroSan® Gas press system is certified in accordance with all relevant international certification bodies.

### Operating conditions for the NiroSan® Gas press system

#### Flammable gases

Outside pipe diameter	$d \leq 168.3$ mm
Operating pressure	5 bar
Operating temperature NiroSan® Gas press fittings with HNBR-seal	-20 °C – +70 °C
Pipe thread	R/Rp thread according to EN 10226,
Fastening thread (union nut)	G thread according to ISO 228

All pipes are available in 3 and 6 m lengths.

Please pay particular attention to our technical documentation and installation instructions! Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

## FEATURES

### Combipress

- **Tool compatibility:** pressable with press jaws and slings with original SA, V and M profile up to and including 54 mm (with M and SA up to 108 mm).
- **Leak path feature:** (certified forced leakage before pressing with EPDM and HNBR sealing rings) in combination with
- **Push & Stay:** Pipe is retained after locating into the SANHA fitting, this feature is inclusive on fittings up to 54 mm

### Fast installation, no risk of fire

- The connection with stainless steel pipes by cold pressing enables a fast, time-saving installation and eliminates the risk of fire during the process. NiroSan® piping systems are therefore ideally suited for renovation work.

### High corrosion resistance

- The premium stainless steel type 1.4404 (316L) and the exceptionally smooth, passivated surface of pipes and fittings lead to an excellent corrosion resistance.

### Great flexibility

- All dimensions from 15 to 168.3 mm
- Reliable, permanent connection with NiroSan® stainless steel system pipes:  
**NiroSan®** (1.4404/316L), TIG-welded, annealed, low carbon, high ( $\geq 2.3\%$ ) molybdenum content for increased corrosion resistance. Labelled in black lettering.  
**NiroSan® ECO** (1.4404/316L), optimised wall thickness, TIG-welded, annealed, low carbon, high ( $\geq 2.3\%$ ) molybdenum content for increased corrosion resistance.
- Thread according to EN 10226 and/or ISO7/1 Typ R and Rp

## Product catalogue | (Series 17000)

### 9000

AUG 472

NiroSan® system pipe,  
material no. 1.4404 (316 L), in 6 m rods



Article No.	Dimension	Bag*	Box
6900015	15 x 1.0	600	o.r.
6900018	18 x 1.0	348	o.r.
6900022	22 x 1.2	420	o.r.
6900028	28 x 1.2	240	o.r.
6900035	35 x 1.5	180	o.r.
6900042	42 x 1.5	120	o.r.
6900054	54 x 1.5	60	o.r.
6900064	64 x 2.0	60	o.r.
6900076	76.1 x 2.0	30	o.r.
6900089	88.9 x 2.0	30	o.r.
6900108	108.0 x 2.0	30	o.r.
69000140	139.7 x 2.6	o.r.	o.r.
69000168	168.3	o.r.	o.r.

### 9500

AUG 472

NiroSan® system pipe,  
material no. 1.4404 (316 L), in 3 m rods



Article No.	Dimension	Bag*	Box
6950015	15 x 1.0	300	o.r.
6950018	18 x 1.0	174	o.r.
6950022	22 x 1.2	210	o.r.
6950028	28 x 1.2	120	o.r.
6950035	35 x 1.5	90	o.r.
6950042	42 x 1.5	60	o.r.
6950054	54 x 1.5	30	o.r.
6950076	76.1 x 2.0	15	o.r.
6950089	88.9 x 2.0	15	o.r.
69500108	108.0 x 2.0	15	o.r.

### 17001A

AUG 010

NiroSan® Gas Bend 90°,  
female/male plain end



Article No.	Dimension	Bag	Box
617001A15	15	10	200
617001A18	18	10	150
617001A22	22	10	100
617001A28	28	5	60
617001A35	35	2	30

### 17001A

AUG 010

NiroSan® Gas Bend 90°,  
female/male plain end



Article No.	Dimension	Bag	Box
617001A42	42	2	20
617001A54	54	2	10
617001A76	76.1	1	4
617001A89	88.9	1	2
617001A108	108.0	1	1

### 17002A

AUG 010

NiroSan® Gas Bend 90°,  
female/female end



Article No.	Dimension	Bag	Box
617002A15	15	10	200
617002A18	18	10	150
617002A22	22	10	100
617002A28	28	5	60
617002A35	35	2	30
617002A42	42	2	20
617002A54	54	2	10
617002A76	76.1	1	4
617002A89	88.9	1	2
617002A108	108.0	1	1
617002A168	168.3	1	1

### 17002G

AUG 010

NiroSan® Gas Bend 90°,  
female end and female thread



Article No.	Dimension	Bag	Box
617002G1512	15 x 1/2	10	100
617002G1834	18 x 3/4	10	70
617002G2234	22 x 3/4	10	60
617002G281	28 x 1	5	30
617002G35114	35 x 1 1/4	2	20

## Product catalogue | (Series 17000)

### 17002AG

AUG 010

NiroSan® Gas Bend 90°,  
female end and male thread



Article No.	Dimension	Bag	Box
617002AG1512	15 x 1/2	10	120
617002AG1812	18 x 1/2	10	100
617002AG1834	18 x 3/4	10	80
617002AG2234	22 x 3/4	10	80
617002AG281	28 x 1	5	40
617002AG35114	35 x 1 1/4	2	20
617002AG42112	42 x 1 1/2	2	10
617002AG542	54 x 2	2	6

### 17040

AUG 010

NiroSan® Gas Bend 45°,  
female/male plain end



Article No.	Dimension	Bag	Box
61704015	15	10	250
61704018	18	10	200
61704022	22	10	120
61704028	28	5	80
61704035	35	2	40
61704042	42	2	26
61704054	54	2	14
61704076	76.1	1	5
61704089	88.9	1	3
617040108	108.0	1	2

### 17041

AUG 010

NiroSan® Gas Bend 45°,  
female/female end



Article No.	Dimension	Bag	Box
61704115	15	10	250
61704118	18	10	200
61704122	22	10	120
61704128	28	5	65
61704135	35	2	44
61704142	42	2	26
61704154	54	2	14
61704176	76.1	1	5
61704189	88.9	1	3
617041108	108.0	1	2
617041168	168.3	1	2

### 17090IG

AUG 010

NiroSan® Gas Elbow 90°,  
female end and female thread



Article No.	Dimension	Bag	Box
617090IG1512	15 x 1/2	10	180
617090IG1834	18 x 3/4	10	120
617090IG2234	22 x 3/4	10	100
617090IG281	28 x 1	5	50
617090IG35114	35 x 1 1/4	2	30

### 17092AG

AUG 010

NiroSan® Gas Elbow 90°,  
female end and male thread



Article No.	Dimension	Bag	Box
617092AG1512	15 x 1/2	10	200
617092AG1834	18 x 3/4	10	120
617092AG2234	22 x 3/4	10	100
617092AG2834	28 x 3/4	5	75
617092AG281	28 x 1	5	50
617092AG35114	35 x 1 1/4	2	40

### 17130

AUG 010

NiroSan® Gas Tee, female ends



Article No.	Dimension	Bag	Box
61713015	15	10	120
61713018	18	10	80
61713022	22	10	60
61713028	28	5	40
61713035	35	2	24
61713042	42	2	16
61713054	54	2	8
61713076	76.1	1	3
61713089	88.9	1	2
617130108	108.0	1	1
617130168	168.3	1	1
617130181515	18 x 15 x 15	10	120
617130181518	18 x 15 x 18	10	100
617130221515	22 x 15 x 15	10	100
617130221522	22 x 15 x 22	10	70
617130221818	22 x 18 x 18	10	80
617130221822	22 x 18 x 22	10	60

### 17130

AUG 010

NiroSan® Gas Tee, female ends



Article No.	Dimension	Bag	Box
617130281528	28 x 15 x 28	5	50
617130281828	28 x 18 x 28	5	40
617130282222	28 x 22 x 22	5	60
617130282228	28 x 22 x 28	5	40
617130351535	35 x 15 x 35	2	30
617130351835	35 x 18 x 35	2	30
617130352235	35 x 22 x 35	2	26
617130352835	35 x 28 x 35	2	26
617130421842	42 x 18 x 42	2	22
617130422242	42 x 22 x 42	2	18
617130422842	42 x 28 x 42	2	18
617130423542	42 x 35 x 42	2	16
617130542254	54 x 22 x 54	2	10
617130542854	54 x 28 x 54	2	10
617130543554	54 x 35 x 54	2	8
617130544254	54 x 42 x 54	2	8
617130762276	76.1 x 22 x 76.1	1	5
617130762876	76.1 x 28 x 76.1	1	5
617130763576	76.1 x 35 x 76.1	1	5
617130764276	76.1 x 42 x 76.1	1	5
617130765476	76.1 x 54 x 76.1	1	4
617130892289	88.9 x 22 x 88.9	1	4
617130892889	88.9 x 28 x 88.9	1	4
617130893589	88.9 x 35 x 88.9	1	4
617130894289	88.9 x 42 x 88.9	1	3
617130895489	88.9 x 54 x 88.9	1	3
617130897689	88.9 x 76.1 x 88.9	1	2
61713010822108	108.0 x 22 x 108.0	1	2
61713010835108	108.0 x 35 x 108.0	1	2
61713010842108	108.0 x 42 x 108.0	1	2
61713010854108	108.0 x 54 x 108.0	1	1
61713010876108	108.0 x 76.1 x 108.0	1	1
61713010889108	108.0 x 88.9 x 108.0	1	1
61713016876168	168.3 x 76.1 x 168.3	1	1
61713016889168	168.3 x 88.9 x 168.3	1	1
617130168108168	168.3 x 108.0 x 168.3	1	1

### 17130G

AUG 010

NiroSan® Gas Tee,  
female/female end and female thread



Article No.	Dimension	Bag	Box
617130G151215	15 x 1/2 x 15	10	80
617130G181218	18 x 1/2 x 18	10	80
617130G183418	18 x 3/4 x 18	10	70
617130G221222	22 x 1/2 x 22	5	60
617130G223422	22 x 3/4 x 22	10	50
617130G281228	28 x 1/2 x 28	5	40
617130G283428	28 x 3/4 x 28	5	40
617130G28128	28 x 1 x 28	5	40
617130G351235	35 x 1/2 x 35	2	30
617130G353435	35 x 3/4 x 35	2	30
617130G3511435	35 x 1 1/4 x 35	2	24
617130G421242	42 x 1/2 x 42	2	20
617130G423442	42 x 3/4 x 42	2	20
617130G4211242	42 x 1 1/2 x 42	2	12
617130G541254	54 x 1/2 x 54	2	12
617130G543454	54 x 3/4 x 54	2	12
617130G54254	54 x 2 x 54	2	8
617130G763476	76.1 x 3/4 x 76.1	1	4
617130G76276	76.1 x 2 x 76.1	1	4
617130G893489	88.9 x 3/4 x 88.9	1	4
617130G89289	88.9 x 2 x 88.9	1	4
617130G10834108	108.0 x 3/4 x 108.0	1	2
617130G1082108	108.0 x 2 x 108.0	1	2

### 17243

AUG 010

NiroSan® Gas Fitting reducer,  
with female end and male plain end



Article No.	Dimension	Bag	Box
6172431815	18a x 15	10	300
6172432215	22a x 15	10	200
6172432218	22a x 18	10	200
6172432815	28a x 15	5	120
6172432818	28a x 18	5	100
6172432822	28a x 22	5	120
6172433518	35a x 18	2	70
6172433522	35a x 22	2	70
6172433528	35a x 28	2	60
6172434222	42a x 22	2	40
6172434228	42a x 28	2	40
6172434235	42a x 35	2	40
6172435428	54a x 28	2	30

## Product catalogue | (Series 17000)

### 17243

AUG 010

NiroSan® Gas Fitting reducer,  
with female end and male plain end



Article No.	Dimension	Bag	Box
6172435435	54a x 35	2	30
6172435442	54a x 42	2	30
6172437654	76.1a x 54	2	16
6172438954	88.9a x 54	2	8
6172438976	88.9a x 76.1	2	8
61724310854	108.0a x 54	2	4
61724310876	108.0a x 76.1	2	4
61724310889	108.0a x 88.9	2	4
61724316889	168.3a x 88.9	1	o.r.
617243168108	168.3a x 108.0	1	2

### 17243G

AUG 010

NiroSan® Gas Adaptor,  
with female end and male thread



Article No.	Dimension	Bag	Box
617243G1538	15 x 3/8	10	300
617243G1512	15 x 1/2	10	250
617243G1534	15 x 3/4	10	200
617243G1812	18 x 1/2	10	250
617243G1834	18 x 3/4	10	170
617243G2212	22 x 1/2	10	180
617243G2234	22 x 3/4	10	150
617243G221	22 x 1	10	100
617243G2834	28 x 3/4	5	100
617243G281	28 x 1	5	90
617243G351	35 x 1	2	60
617243G35114	35 x 1 1/4	2	40
617243G42112	42 x 1 1/2	2	30
617243G542	54 x 2	2	20
617243G76212	76.1 x 2 1/2	1	8
617243G893	88.9 x 3	1	6
617243G1084	108.0 x 4	1	4

### 17270

AUG 010

NiroSan® Gas Coupling,  
female/female end



Article No.	Dimension	Bag	Box
61727015	15	10	300
61727018	18	10	200
61727022	22	10	150
61727028	28	5	80
61727035	35	2	50
61727042	42	2	30
61727054	54	2	24
61727076	76.1	1	10
61727089	88.9	1	6
617270108	108.0	1	4
617270168	168.3	1	2

### 17270G

AUG 010

NiroSan® Gas Transition coupling, with  
female end and female thread



Article No.	Dimension	Bag	Box
617270G1512	15 x 1/2	10	200
617270G1534	15 x 3/4	10	180
617270G1812	18 x 1/2	10	200
617270G1834	18 x 3/4	10	170
617270G2212	22 x 1/2	10	170
617270G2234	22 x 3/4	10	150
617270G221	22 x 1	10	120
617270G2834	28 x 3/4	5	100
617270G281	28 x 1	5	80
617270G35114	35 x 1 1/4	2	36
617270G42112	42 x 1 1/2	2	28
617270G542	54 x 2	2	20

### 17270S

AUG 010

NiroSan® Gas Slip coupling,  
female/female end



Article No.	Dimension	Bag	Box
617270S15	15	10	200
617270S18	18	10	150
617270S22	22	10	100
617270S28	28	5	80
617270S35	35	2	50

## Product catalogue | (Series 17000)

### 17270S

AUG 010

NiroSan® Gas Slip coupling, female/female end



Article No.	Dimension	Bag	Box
617270S42	42	2	40
617270S54	54	2	20
617270S76	76.1	1	10
617270S89	88.9	1	4
617270S108	108.0	1	3

### 17301

AUG 010

NiroSan® Gas Cap, female end



Article No.	Dimension	Bag	Box
61730115	15	10	400
61730118	18	10	300
61730122	22	10	200
61730128	28	5	150
61730135	35	2	80
61730142	42	2	50
61730154	54	2	30

### 17330GMVA

AUG 010

NiroSan® Gas Union, with flat seal, stainless steel nut, with female end and female thread



Article No.	Dimension	Bag	Box
617330GMVA1512	15 x 1/2	5	120
617330GMVA1534	15 x 3/4	5	100
617330GMVA1834	18 x 3/4	5	80
617330GMVA2234	22 x 3/4	5	50
617330GMVA221	22 x 1	5	50
617330GMVA2834	28 x 3/4	5	50
617330GMVA281	28 x 1	5	40
617330GMVA35114	35 x 1 1/4	2	30
617330GMVA42112	42 x 1 1/2	2	20
617330GMVA542	54 x 2	2	12

### 17333GMVA

AUG 010

NiroSan® Gas Union, with flat seal, stainless steel nut, with female end and male thread



Article No.	Dimension	Bag	Box
617333GMVA1512	15 x 1/2	5	150
617333GMVA1534	15 x 3/4	5	120
617333GMVA1812	18 x 1/2	5	100
617333GMVA2234	22 x 3/4	5	60
617333GMVA281	28 x 1	5	50
617333GMVA35114	35 x 1 1/4	2	40
617333GMVA42112	42 x 1 1/2	2	20
617333GMVA542	54 x 2	2	12

### 17359M

AUG 010

NiroSan® Gas Union adaptor with flat seal, stainless steel nut, female end



Article No.	Dimension	Bag	Box
617359M1512	15 x 1/2	5	250
617359M1534	15 x 3/4	5	200
617359M1834	18 x 3/4	5	200
617359M221	22 x 1	5	130
617359M28114	28 x 1 1/4	5	50
617359M35112	35 x 1 1/2	5	50
617359M42134	42 x 1 3/4	2	34
617359M54238	54 x 2 3/8	2	20

### 17360G

AUG 010

NiroSan® Gas Union adaptor, conical sealing, female end and fastening screw thread, for gas meter valve, for single-pipe meters



Article No.	Dimension	Bag	Box
6173601578	15 x 7/8	5	150
61736022118	22 x 1 1/8	5	100

## Product catalogue | (Series 17000)

### 17472G

AUG 010

NiroSan® Gas Wall plate with universal flange, with female end and female thread



Article No.	Dimension	Bag	Box
617472G1512	15 x 1/2	10	90
617472G1812	18 x 1/2	10	80
617472G2234	22 x 3/4	10	60
617472G2834	28 x 3/4	5	50

### 17-VA-PF

AUG 010

NiroSan® Gas Crimping flange, with female end, for gas installation



Article No.	Dimension	Bag	Box
617VAPF18	DN 15 / 18 mm	1	20
617VAPF22	DN 20 / 22 mm	1	16
617VAPF28	DN 25 / 28 mm	1	14
617VAPF35	DN 32 / 35 mm	1	10
617VAPF42	DN 40 / 42 mm	1	8
617VAPF54	DN 50 / 54 mm	1	3
617VAPF76	DN 65 / 76.1 mm	1	2
617VAPF89	DN 80 / 88.9 mm	1	2
617VAPF108	DN 100 / 108.0 mm	1	1
617VAPF168	168.3 mm	1	1

### 17-VA-PF-L4

AUG 010

NiroSan® Gas Flange, 4-hole



Article No.	Dimension	Bag	Box
617VAPF76L4	DN 65 / 76.1 mm	1	2

### FL-D

AUG 602

High-pressure flange seal, asbestos-free, suitable for weld neck, threaded, press and loose flanges, max. 400°C, resistant against water, vapour, fuels, diluted alkaline solutions, oils, gases (DVGW tested according to DIN 3535 Part 6). Dimensions according to DIN EN 1514 - 1.2 mm thick for flanges. PN 10/16 = DIN EN 1092-1 and DIN EN 1092-2



Article No.	Dimension	Bag	Box
1D20	DN 20 (27 x 61 x 2 mm)		200
1D25	DN 25 (34 x 71 x 2 mm)		160
1D32	DN 32 (43 x 82 x 2 mm)		120
1D40	DN 40 (49 x 92 x 2 mm)		100
1D50	DN 50 (61 x 107 x 2 mm)		120
1D65	DN 65 (77 x 127 x 2 mm)		100
1D80	DN 80 (89 x 142 x 2 mm)		80
1D100	DN 100 (115 x 168 x 2 mm)		60

### 4992

AUG 556

Insertion depth gauge for NiroSan® and NiroTherm®



Article No.	Dimension	Bag	Box
84992	12 - 108 mm	1	40

### 8981

AUG 556

Universal insulation plate for mounting on wall plates and double wall plates, also suitable for installation set



Article No.	Dimension	Bag	Box
88981	o.r.	1	30



# PIPING SYSTEMS

## Stainless steel



# NiroSan® Industry

## Series 18000

### AREAS OF APPLICATION

- | Heating
- | Rainwater
- | Compressed air
- | Fire extinguishing systems (wet & dry)
- | Sprinkler systems (wet & dry)
- | Inert gases
- | Technical gases
- | Cooling water pipes
- | Ship Building
- | Solar systems
- | District heating supply systems
- | Low pressure gas systems
- | Diesel & fuel oil



# NiroSan® Industry

## Series 18000

The premium piping system consists of high-grade NiroSan® Industry press fittings with a red moulded sealing ring made from FKM (fluoro carbon elastomers) for temperatures of up to 160 °C and NiroSan® stainless steel system pipes according to EN 10312.

All NiroSan® Industry press fittings are made from the premium stainless steel type 1.4404 / AISI 316L and 1.4408 (for precision cast threaded stainless steel components). The material 1.4404 contains at least 2.3 % molybdenum, with less carbon than the conventional type 1.4401. For this reason material no 1.4404/316L is a superior material with higher corrosion resistance than standard stainless steels.

The NiroSan® Industry press system and its components are certified in accordance with the rules and regulations of all relevant international certification bodies.

### Operating conditions for the NiroSan® Industry press system

Water and aqueous solutions

Technical gases (non-toxic, non-flammable)

Outside pipe diameter	$d \leq 108 \text{ mm}$
Operating pressure	16 bar
Operating temperature NiroSan® Industry press fittings with FKM sealing ring	-20 °C – +160 °C (depending on application)
Pipe thread	R/Rp thread according to EN 10226
Fastening thread	G thread according to ISO 228

All pipes are available in 3 and 6 m lengths.

Please pay particular attention to our technical documentation and installation instructions!  
Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

## FEATURES

### Tool compatibility and Push & Stay

- **Tool compatibility:** pressable with press jaws and slings with original SA, V and M profile up to and including 54 mm (with M and SA up to 108 mm).
- **Push & Stay:** Pipe is retained after locating into the SANHA fitting, this feature is inclusive on fittings up to 54 mm

### Fast installation, no risk of fire

- The connection with stainless steel pipes by cold pressing enables a fast, time-saving installation and eliminates the risk of fire during the process. NiroSan® piping systems are therefore ideally suited for renovation work.

### High corrosion resistance

- The premium stainless steel type 1.4404 (316L) and the exceptionally smooth, passivated surface of pipes and fittings lead to an excellent corrosion resistance.

### Exceptional flexibility

- All dimensions from 15 to 108 mm
- Reliable, permanent connection with NiroSan® stainless steel system pipes:
  - **NiroSan®** (1.4404/316L), TIG-welded, annealed, low carbon, high ( $\geq 2.3 \%$ ) molybdenum content for increased corrosion resistance. Labelled in black lettering.
  - **NiroSan® ECO** (1.4404/316L), optimised wall thickness, TIG-welded, annealed, low carbon, high ( $\geq 2.3 \%$ ) molybdenum content for increased corrosion resistance.
  - **NiroSan®-F** (1.4521/444), TIG-welded, pickled for improved corrosion resistance, nickle-free
- Thread according to EN 10226 and/or ISO7/1 Typ R and Rp

## Product catalogue I (Series 18000)

### 9000

AUG 472

NiroSan® system pipe, material no. 1.4404 (316 L), in 6 m rods



Article No.	Dimension	Bag*	Box
6900015	15 x 1.0	600	o. r.
6900018	18 x 1.0	348	o. r.
6900022	22 x 1.2	420	o. r.
6900028	28 x 1.2	240	o. r.
6900035	35 x 1.5	180	o. r.
6900042	42 x 1.5	120	o. r.
6900054	54 x 1.5	60	o. r.
6900064	64 x 2.0	60	o. r.
6900076	76.1 x 2.0	30	o. r.
6900089	88.9 x 2.0	30	o. r.
69000108	108.0 x 2.0	30	o. r.
69000140	139.7 x 2.6	o. r.	o. r.
69000168	168.3	o. r.	o. r.

### 9500

AUG 472

NiroSan® system pipe, material no. 1.4404 (316 L), in 3 m rods



Article No.	Dimension	Bag*	Box
6950015	15 x 1.0	300	o. r.
6950018	18 x 1.0	174	o. r.
6950022	22 x 1.2	210	o. r.
6950028	28 x 1.2	120	o. r.
6950035	35 x 1.5	90	o. r.
6950042	42 x 1.5	60	o. r.
6950054	54 x 1.5	30	o. r.
6950076	76.1 x 2.0	15	o. r.
6950089	88.9 x 2.0	15	o. r.
69500108	108.0 x 2.0	15	o. r.

### 9600

AUG 473

NiroSan®-ECO system pipe, material no. 1.4404 (316 L), reduced wall thickness, in 6 m rods, for potable water and heating installation



Article No.	Dimension	Bag*	Box
6960015	15 x 0.6	600	o. r.
6960018	18 x 0.7	348	o. r.
6960022	22 x 0.7	420	o. r.
6960028	28 x 0.8	240	o. r.

### 9600

AUG 473

NiroSan®-ECO system pipe, material no. 1.4404 (316 L), reduced wall thickness, in 6 m rods, for potable water and heating installation



Article No.	Dimension	Bag*	Box
6960035	35 x 1.0	180	o. r.
6960042	42 x 1.1	120	o. r.
6960054	54 x 1.2	60	o. r.
6960076	76.1 x 1.5	30	o. r.
6960089	88.9 x 1.5	30	o. r.
69600108	108 x 1.5	30	o. r.

### 9650

AUG 473

NiroSan®-ECO system pipe, material no. 1.4404 (316 L), reduced wall thickness, in 3 m rods, for potable water and heating installation



Article No.	Dimension	Bag*	Box
6965015	15 x 0.6	300	o. r.
6965018	18 x 0.7	174	o. r.
6965022	22 x 0.7	210	o. r.
6965028	28 x 0.8	120	o. r.
6965035	35 x 1.0	90	o. r.
6965042	42 x 1.1	60	o. r.
6965054	54 x 1.2	30	o. r.
6965076	76.1 x 1.5	15	o. r.
6965089	88.9 x 1.5	15	o. r.
69650108	108 x 1.5	15	o. r.

### 9700

AUG 475

NiroSan®-F system pipe, material no. 1.4521 (443/444), nickel-free, in 6 m rods



Article No.	Dimension	Bag*	Box
6970015	15 x 1.0	600	o. r.
6970018	18 x 1.0	348	o. r.
6970022	22 x 1.2	420	o. r.
6970028	28 x 1.2	240	o. r.
6970035	35 x 1.5	180	o. r.
6970042	42 x 1.5	120	o. r.
6970054	54 x 1.5	60	o. r.
6970076	76.1 x 2.0	30	o. r.
6970089	88.9 x 2.0	30	o. r.
69700108	108.0 x 2.0	30	o. r.

\* Bundles of pipes

## Product catalogue | (Series 18000)

### 9750

AUG 475

NiroSan®-F system pipe,  
material no. 1.4521 (443/444),  
nickel-free, in 3 m rods



Article No.	Dimension	Bag*	Box
6975015	15 x 1.0	300	o. r.
6975018	18 x 1.0	174	o. r.
6975022	22 x 1.2	210	o. r.
6975028	28 x 1.2	120	o. r.
6975035	35 x 1.5	90	o. r.
6975042	42 x 1.5	60	o. r.
6975054	54 x 1.5	30	o. r.
6975076	76.1 x 2.0	15	o. r.
6975089	88.9 x 2.0	15	o. r.
69750108	108.0 x 2.0	15	o. r.

### 18002A

AUG 011

NiroSan® Industry Bend 90°,  
female/female end



Article No.	Dimension	Bag	Box
618002A15	15	10	200
618002A18	18	10	150
618002A22	22	10	100
618002A28	28	5	60
618002A35	35	2	30
618002A42	42	2	20
618002A54	54	2	10
618002A76	76.1	1	4
618002A89	88.9	1	2
618002A108	108.0	1	1

### 18001A

AUG 011

NiroSan® Industry Bend 90°,  
emale/male plain end



Article No.	Dimension	Bag	Box
618001A15	15	10	200
618001A18	18	10	150
618001A22	22	10	100
618001A28	28	5	60
618001A35	35	2	30
618001A42	42	2	20
618001A54	54	2	10
618001A76	76.1	1	4
618001A89	88.9	1	2
618001A108	108.0	1	1

### 18002AG

AUG 011

NiroSan® Industry Bend 90°,  
female end and male thread



Article No.	Dimension	Bag	Box
618002AG1512	15 x 1/2	10	120
618002AG1812	18 x 1/2	10	100
618002AG1834	18 x 3/4	10	80
618002AG2234	22 x 3/4	10	80
618002AG281	28 x 1	5	40
618002AG35114	35 x 1 1/4	2	20
618002AG42112	42 x 1 1/2	2	10
618002AG542	54 x 2	2	6

### 18001L

AUG 011

NiroSan® Industry Bend 90°,  
long, female/male plain end



Article No.	Dimension	Bag	Box
618001L15	15	10	150
618001L18	18	10	100
618001L22	22	10	60
618001L28	28	5	30
618001L35	35	2	16
618001L42	42	2	10
618001L54	54	2	6

### 18002G

AUG 011

NiroSan® Industry Bend 90°,  
female end and female thread



Article No.	Dimension	Bag	Box
618002G1512	15 x 1/2	10	100
618002G1812	18 x 1/2	10	70
618002G1834	18 x 3/4	10	70
618002G2234	22 x 3/4	10	60
618002G281	28 x 1	5	30
618002G35114	35 x 1 1/4	2	20

## Product catalogue | (Series 18000)

### 18002M

AUG 011

NiroSan® Industry Bend 90°, nut, flat seal, female thread and female end



Article No.	Dimension	Bag	Box
618002M1534	15 x 3/4	10	100
618002M1834	18 x 3/4	10	100
618002M221	22 x 1	10	50
618002M28114	28 x 1 1/4	5	40

### 18085

AUG 011

NiroSan® Industry Crossover, female/female end



Article No.	Dimension	Bag	Box
61808515	15	10	120
61808518	18	10	80
61808522	22	10	60
61808528	28	5	30

### 18040

AUG 011

NiroSan® Industry Bend 45°, female/male plain end



Article No.	Dimension	Bag	Box
61804015	15	10	250
61804018	18	10	200
61804022	22	10	120
61804028	28	5	80
61804035	35	2	40
61804042	42	2	26
61804054	54	2	14
61804076	76	1	5
61804089	88.9	1	3
618040108	108.0	1	2

### 18090

AUG 011

NiroSan® Industry Elbow 90°, female/female end



Article No.	Dimension	Bag	Box
61809022	22	10	100
61809028	28	5	60

### 18090IG

AUG 011

NiroSan® Industry Elbow 90°, with female end and female thread



Article No.	Dimension	Bag	Box
618090IG1512	15 x 1/2	10	180
618090IG1834	18 x 3/4	10	120
618090IG2234	22 x 3/4	10	100
618090IG281	28 x 1	5	50
618090IG3512	35 x 1/2	2	50
618090IG3534	35 x 3/4	2	50
618090IG35114	35 x 1 1/4	2	30

### 18041

AUG 011

NiroSan® Industry Bend 45°, female/female end



Article No.	Dimension	Bag	Box
61804115	15	10	250
61804118	18	10	200
61804122	22	10	120
61804128	28	5	65
61804135	35	2	44
61804142	42	2	26
61804154	54	2	14
61804176	76.1	1	5
61804189	88.9	1	3
618041108	108.0	1	2

### 18092AG

AUG 011

NiroSan® Industry Elbow 90°, with female end and male thread



Article No.	Dimension	Bag	Box
618092AG1512	15 x 1/2	10	200
618092AG1834	18 x 3/4	10	120
618092AG2234	22 x 3/4	10	100
618092AG281	28 x 1	5	50
618092AG35114	35 x 1 1/4	2	40
618092AG42112	42 x 1 1/2	2	30
618092AG542	54 x 2	2	20

## Product catalogue | (Series 18000)

### 18130

AUG 011

NiroSan® Industry Tee, female ends



Article No.	Dimension	Bag	Box
61813015	15	10	120
61813018	18	10	80
61813022	22	10	60
61813028	28	5	40
61813035	35	2	24
61813042	42	2	16
61813054	54	2	8
61813076	76.1	1	3
61813089	88.9	1	2
618130108	108.0	1	1
618130181515	18 x 15 x 15	10	120
618130181518	18 x 15 x 18	10	100
618130221515	22 x 15 x 15	10	100
618130221522	22 x 15 x 22	10	70
618130221818	22 x 18 x 18	10	80
618130221822	22 x 18 x 22	10	60
618130281528	28 x 15 x 28	5	50
618130281828	28 x 18 x 28	5	40
618130282222	28 x 22 x 22	5	60
618130282228	28 x 22 x 28	5	40
618130351535	35 x 15 x 35	2	30
618130351835	35 x 18 x 35	2	30
618130352235	35 x 22 x 35	2	26
618130352835	35 x 28 x 35	2	26
618130421842	42 x 18 x 42	2	22
618130422242	42 x 22 x 42	2	18
618130422842	42 x 28 x 42	2	18
618130423542	42 x 35 x 42	2	16
618130542254	54 x 22 x 54	2	10
618130542854	54 x 28 x 54	2	10
618130543554	54 x 35 x 54	2	8
618130544254	54 x 42 x 54	2	8
618130762276	76.1 x 22 x 76.1	1	5
618130762876	76.1 x 28 x 76.1	1	5
618130763576	76.1 x 35 x 76.1	1	5
618130764276	76.1 x 42 x 76.1	1	5
618130765476	76.1 x 54 x 76.1	1	4
618130892289	88.9 x 22 x 88.9	1	4
618130892889	88.9 x 28 x 88.9	1	4
618130893589	88.9 x 35 x 88.9	1	4
618130894289	88.9 x 42 x 88.9	1	3
618130895489	88.9 x 54 x 88.9	1	3
618130897689	88.9 x 76 x 88.9	1	2
61813010822108	108.0 x 22 x 108.0	1	2

### 18130

AUG 011

NiroSan® Industry Tee, female ends



Article No.	Dimension	Bag	Box
61813010828108	108.0 x 28 x 108.0	1	2
61813010835108	108.0 x 35 x 108.0	1	2
61813010842108	108.0 x 42 x 108.0	1	2
61813010854108	108.0 x 54 x 108.0	1	1
61813010876108	108.0 x 76.1 x 108.0	1	1
61813010889108	108.0 x 88.9 x 108.0	1	1

### 18130G

AUG 011

NiroSan® Industry Tee,  
female/female end and female thread



Article No.	Dimension	Bag	Box
618130G151215	15 x 1/2 x 15	10	80
618130G181218	18 x 1/2 x 18	10	80
618130G183418	18 x 3/4 x 18	10	70
618130G221222	22 x 1/2 x 22	5	60
618130G223422	22 x 3/4 x 22	10	50
618130G281228	28 x 1/2 x 28	5	40
618130G283428	28 x 3/4 x 28	5	40
618130G28128	28 x 1 x 28	5	40
618130G351235	35 x 1/2 x 35	2	30
618130G353435	35 x 3/4 x 35	2	30
618130G3511435	35 x 1 1/4 x 35	2	24
618130G421242	42 x 1/2 x 42	2	20
618130G423442	42 x 3/4 x 42	2	20
618130G4211242	42 x 1 1/2 x 42	2	12
618130G541254	54 x 1/2 x 54	2	12
618130G543454	54 x 3/4 x 54	2	12
618130G54254	54 x 2 x 54	2	8
618130G763476	76.1 x 3/4 x 76.1	1	4
618130G76176	76.1 x 1 x 76.1	1	4
618130G76276	76.1 x 2 x 76.1	1	4
618130G893489	88.9 x 3/4 x 88.9	1	4
618130G89289	88.9 x 2 x 88.9	1	4
618130G10834108	108.0 x 3/4 x 108.0	1	2
618130G1082108	108.0 x 2 x 108.0	1	2

## Product catalogue | (Series 18000)

### 18240

AUG 011

NiroSan® Industry Reducing coupling, female/female end



Article No.	Dimension	Bag	Box
6182401815	18 x 15	10	200
6182402215	22 x 15	10	150
6182402218	22 x 18	10	150
6182402822	28 x 22	10	100

### 18243

AUG 011

NiroSan® Industry Fitting reducer, with female and male plain end



Article No.	Dimension	Bag	Box
6182431815	18a x 15	10	300
6182432215	22a x 15	10	200
6182432218	22a x 18	10	200
6182432815	28a x 15	5	120
6182432818	28a x 18	5	100
6182432822	28a x 22	5	120
6182433518	35a x 18	2	70
6182433522	35a x 22	2	70
6182433528	35a x 28	2	60
6182434222	42a x 22	2	40
6182434228	42a x 28	2	40
6182434235	42a x 35	2	40
6182435428	54a x 28	2	30
6182435435	54a x 35	2	30
6182435442	54a x 42	2	30
6182437654	76.1a x 54	2	16
6182438954	88.9a x 54	2	10
6182438976	88.9a x 76.1	2	8
61824310854	108.0a x 54	2	4
61824310876	108.0a x 76.1	2	4
61824310889	108.0a x 88.9	2	4

### 18243G

AUG 011

NiroSan® Industry Adaptor, with female end and male thread



Article No.	Dimension	Bag	Box
618243G1538	15 x 3/8	10	300
618243G1512	15 x 1/2	10	250
618243G1534	15 x 3/4	10	200

### 18243G

AUG 011

NiroSan® Industry Adaptor, with female end and male thread



Article No.	Dimension	Bag	Box
618243G1812	18 x 1/2	10	250
618243G1834	18 x 3/4	10	170
618243G2212	22 x 1/2	10	180
618243G2234	22 x 3/4	10	150
618243G221	22 x 1	10	100
618243G2834	28 x 3/4	5	100
618243G281	28 x 1	5	90
618243G3512	35 x 1/2	2	70
618243G3534	35 x 3/4	2	60
618243G351	35 x 1	2	60
618243G35114	35 x 1 1/4	2	40
618243G4234	42 x 3/4	2	50
618243G42112	42 x 1 1/2	2	30
618243G542	54 x 2	2	20
618243G76212	76 x 2 1/2	1	8
618243G893	88.9 x 3	1	6
618243G1084	108.0 x 4	1	4

### 18250

AUG 011

NiroSan® Industry Adaptor, with female end and groove for tube coupling



Article No.	Dimension	Bag	Box
61825028337	28 x 33.7	5	80
61825035424	35 x 42.4	2	50
61825042483	42 x 48.3	2	40
61825054603	54 x 60.3	2	28
618250761761	76.1 x 76.1	1	10
618250889889	88.9 x 88.9	1	6
618250108114	108 x 114	1	5

### 18270

AUG 011

NiroSan® Industry Coupling, female/female end



Article No.	Dimension	Bag	Box
61827015	15	10	300
61827018	18	10	200
61827022	22	10	150
61827028	28	5	80

## Product catalogue | (Series 18000)

### 18270

AUG 011

NiroSan® Industry Coupling,  
female/female end



Article No.	Dimension	Bag	Box
61827035	35	2	50
61827042	42	2	30
61827054	54	2	24
61827076	76.1	1	10
61827089	88.9	1	6
618270108	108.0	1	4

### 18270G

AUG 011

NiroSan® Industry Transition coupling,  
with female end and female thread



Article No.	Dimension	Bag	Box
618270G1512	15 x 1/2	10	200
618270G1534	15 x 3/4	10	180
618270G1812	18 x 1/2	10	200
618270G1834	18 x 3/4	10	170
618270G2212	22 x 1/2	10	170
618270G2234	22 x 3/4	10	150
618270G221	22 x 1	10	120
618270G2834	28 x 3/4	5	100
618270G281	28 x 1	5	80
618270G35114	35 x 1 1/4	2	36
618270G42112	42 x 1 1/2	2	28
618270G542	54 x 2	2	20

### 18270S

AUG 011

NiroSan® Industry Slip coupling,  
female/female end



Article No.	Dimension	Bag	Box
618270S15	15	10	200
618270S18	18	10	150
618270S22	22	10	100
618270S28	28	5	80
618270S35	35	2	50
618270S42	42	2	40
618270S54	54	2	20
618270S76	76.1	1	10
618270S89	88.9	1	4
618270S108	108.0	1	3

### 18301

AUG 011

NiroSan® Industry Cap, female end



Article No.	Dimension	Bag	Box
61830115	15	10	400
61830118	18	10	300
61830122	22	10	200
61830128	28	5	150
61830135	35	2	80
61830142	42	2	50
61830154	54	2	30
61830176	76.1	1	20
61830189	88.9	1	14
618301108	108.0	1	10

### 18301E

AUG 011

NiroSan® Industry Cap for de-aeration,  
female end



Article No.	Dimension	Bag	Box
618301E7634	76.1 x 3/4	1	18
618301E8934	88.9 x 3/4	1	8
618301E10834	108.0 x 3/4	1	6

### 18330

AUG 011

NiroSan® Industry Union, with flat seal,  
stainless steel nut, female/female end



Article No.	Dimension	Bag	Box
61833015	15	5	120
61833018	18	5	80
61833022	22	5	50
61833028	28	5	35
61833035	35	2	30
61833042	42	2	20
61833054	54	2	12



## Product catalogue | (Series 18000)

### 18330G

AUG 011

NiroSan® Industry Union, with flat seal, brass nut, with female end and female thread



Article No.	Dimension	Bag	Box
618330G1534	15 x 3/4	5	100
618330G1834	18 x 3/4	5	80
618330G2234	22 x 3/4	5	50
618330G221	22 x 1	5	50
618330G2834	28 x 3/4	5	50
618330G281	28 x 1	5	40
618330G35114	35 x 1 1/4	2	30
618330G42112	42 x 1 1/2	2	20
618330G542	54 x 2	2	12

### 18333GMVA

AUG 011

NiroSan® Industry Union, with flat seal, stainless steel nut, with female end and male thread



Article No.	Dimension	Bag	Box
618333GMVA1512	15 x 1/2	5	150
618333GMVA1534	15 x 3/4	5	120
618333GMVA1812	18 x 1/2	5	100
618333GMVA2234	22 x 3/4	5	60
618333GMVA281	28 x 1	5	50
618333GMVA35114	35 x 1 1/4	2	40
618333GMVA42112	42 x 1 1/2	2	20
618333GMVA542	54 x 2	2	12

### 18330GMVA

AUG 011

NiroSan® Industry Union, with flat seal, stainless steel nut, with female end and female thread



Article No.	Dimension	Bag	Box
618330GMVA1512	15 x 1/2	5	120
618330GMVA1534	15 x 3/4	5	100
618330GMVA1834	18 x 3/4	5	80
618330GMVA2234	22 x 3/4	5	50
618330GMVA221	22 x 1	5	50
618330GMVA2834	28 x 3/4	5	50
618330GMVA281	28 x 1	5	40
618330GMVA35114	35 x 1 1/4	2	30
618330GMVA42112	42 x 1 1/2	2	20
618330GMVA542	54 x 2	2	12

### 18359M

AUG 011

NiroSan® Industry Union adaptor with flat seal, stainless steel nut, female end



Article No.	Dimension	Bag	Box
618359M1512	15 x 1/2	5	250
618359M1534	15 x 3/4	5	200
618359M1834	18 x 3/4	5	200
618359M221	22 x 1	5	130
618359M28114	28 x 1 1/4	5	50
618359M35112	35 x 1 1/2	5	50
618359M42112	42 x 1 1/2	2	40
618359M42134	42 x 1 3/4	2	34
618359M422	42 x 2	2	o.r.
618359M542	54 x 2	2	22
618359M54238	54 x 2 3/8	2	20
618359M54212	54 x 2 1/2	2	20

### 18333G

AUG 011

NiroSan® Industry Union, with flat seal, brass nut, with female end and male thread



Article No.	Dimension	Bag	Box
618333G1512	15 x 1/2	5	150
618333G1534	15 x 3/4	5	120
618333G1812	18 x 1/2	5	100
618333G2234	22 x 3/4	5	60
618333G281	28 x 1	5	50
618333G35114	35 x 1 1/4	2	40
618333G42112	42 x 1 1/2	2	20
618333G542	54 x 2	2	12

### 18472G

AUG 011

NiroSan® Industry Wall plate with universal flange, with female end and female thread



Article No.	Dimension	Bag	Box
618472G1512	15 x 1/2	10	90
618472G1812	18 x 1/2	10	80
618472G2234	22 x 3/4	10	60
618472G2834	28 x 3/4	5	50

## Product catalogue | (Series 18000)

### 18872L

AUG 011

NiroSan® Industry Axial compensator to compensate expansion, female/female end



Article No.	Dimension	Bag	Box
618872L15	15	1	100
618872L18	18	1	120
618872L22	22	1	60
618872L28	28	1	40
618872L35	35	1	30
618872L42	42	1	20
618872L54	54	1	14
618872L76	76.1	1	5
618872L89	88.9	1	3
618872L108	108.0	1	2

### 18-VA-PF

AUG 011

NiroSan® Industry Crimping flange, with female end, PN 10/16, for industrial applications



Article No.	Dimension	Bag	Box
618VAPF18	DN 15 / 18 mm	1	20
618VAPF22	DN 20 / 22 mm	1	16
618VAPF28	DN 25 / 28 mm	1	14
618VAPF35	DN 32 / 35 mm	1	10
618VAPF42	DN 40 / 42 mm	1	8
618VAPF54	DN 50 / 54 mm	1	3
618VAPF76	DN 65 / 76.1 mm	1	2
618VAPF89	DN 80 / 88.9 mm	1	2
618VAPF108	DN 100 / 108.0 mm	1	1

### 18-VA-PF-L4

AUG 011

NiroSan® Industry Crimping flange, with female end, PN 10/16, for industrial applications, 4-hole



Article No.	Dimension	Bag	Box
618VAPF76L4	DN 65 / 76.1 mm	1	2

### FL-D

AUG 602

High-pressure flange seal, asbestos-free, suitable for weld neck, threaded, press and loose flanges, max. 400°C, resistant against water, vapour, fuels, diluted alkaline solutions, oils, gases (DVGW tested according to DIN 3535 Part 6). Dimensions according to DIN EN 1514 - 1. 2 mm thick for flanges. PN 10/16 = DIN EN 1092-1 and DIN EN 1092-2



Article No.	Dimension	Bag	Box
1D20	DN 20 (27 x 61 x 2 mm)		200
1D25	DN 25 (34 x 71 x 2 mm)		160
1D32	DN 32 (43 x 82 x 2 mm)		120
1D40	DN 40 (49 x 92 x 2 mm)		100
1D50	DN 50 (61 x 107 x 2 mm)		120
1D65	DN 65 (77 x 127 x 2 mm)		100
1D80	DN 80 (89 x 142 x 2 mm)		80
1D100	DN 100 (115 x 168 x 2 mm)		60

### DR-S

AUG 601

High temperature FKM seal



Article No.	Dimension	Bag	Box
DR12S01	12.10 x 2.50	20	o.r.
DR15S01	15.10 x 2.60	20	o.r.
DR18S01	18.20 x 2.65	20	o.r.
DR22S01	22.20 x 3.10	20	o.r.
DR28S01	28.30 x 3.10	20	o.r.
DR35S02	35.20 x 3.15	20	o.r.
DR42S02	42.20 x 4.00	20	o.r.
DR54S02	54.20 x 4.00	20	o.r.
DR64S01	65.00 x 6.00	5	o.r.
DR64S02	65.00 x 5.50	5	o.r.
DR667S01	68.00 x 6.00	5	o.r.
DR76S01	77.00 x 7.00	5	o.r.
DR89S01	90.00 x 7.60	5	o.r.
DR89S02	90.00 x 8.00	5	o.r.
DR108S01	110.00 x 9.00	5	o.r.
DR108S02	110.00 x 10.00	5	o.r.

## Product catalogue I (Series 18000)

### 8981

AUG 556

Universal insulation plate for mounting on wall plates and double wall plates, also suitable for installation set



Article No.	Dimension	Bag	Box
88981		1	30

### 4992

AUG 556

Insertion depth gauge for NiroSan<sup>®</sup> and NiroTherm<sup>®</sup>



Article No.	Dimension	Bag	Box
84992	12 - 108 mm	1	40



# PIPING SYSTEMS

## Stainless steel



## NiroSan® SF

### Series 19000

**SILICONE-FREE  
SYSTEM**

#### AREAS OF APPLICATION

- | Heating
- | Inert gases
- | District heating supply systems
- | Compressed air
- | Rainwater
- | Technical gases
- | Low pressure gas systems
- | Ship building
- | Cooling water
- | Solar systems  
[flat plate and vacuum collectors]

Important:  
Only complete bags available. In order to avoid unintentional contamination, please do not open the bags before installation.



# NiroSan® SF

## Series 19000

The piping system consists of high-quality NiroSan® SF press fittings with red moulded sealing rings made of FKM (fluoro carbon elastomers) and NiroSan® stainless steel system pipes according to EN 10312. They are specially made for all applications that require silicone free components. Silicone-free moulded sealing rings are ideally suited to applications such as varnishing and painting industries.

All NiroSan® SF press fittings are made of the material 1.4404 / AISI 316L and 1.4408 (for threaded fittings and stainless steel precision castings). The material contains a minimum of 2.3 % molybdenum and a lower carbon content than the conventional steel quality 316. For this reason material no 1.4404/316L is a superior material with higher corrosion resistance than standard stainless steels.

NiroSan® SF press fittings and system pipes are individually wrapped in order to guarantee that they are completely silicone free and remain so during transport up until they are finally installed. The NiroSan® SF press system is certified in accordance with all relevant international certification bodies.

NiroSan® SF system press fittings can be easily recognised by the red moulded sealing ring and the additional engraving with the letters "SF" (in the past sometimes in green print) outside.

### Operating conditions for the NiroSan® SF press system

#### Water and aqueous solutions

#### Technical gases (non-toxic, non-flammable)

Outside pipe diameter	$d \leq 108 \text{ mm}$
Operating pressure	16 bar
Operating temperature NiroSan® SF press fittings with silicone-free FKM sealing ring	-20 °C – +160 °C (depending on application)
Pipe thread	R/Rp thread according to EN 10226
Fastening thread	G thread according to ISO 228

All pipes are available in 3 and 6 m lengths.

Please pay particular attention to our technical documentation and installation instructions! Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

## FEATURES

### Tool compatibility and Push & Stay

- **Tool compatibility:** pressable with press jaws and slings with original SA, V and M profile up to and including 54 mm (with M and SA up to 108 mm).
- **Push & Stay:** Pipe is retained after locating into the SANHA fitting, this feature is inclusive on fittings up to 54 mm

### Fast installation, no risk of fire

- The connection with stainless steel pipes by cold pressing enables a fast, time-saving installation and eliminates the risk of fire during the process.
- NiroSan® piping systems are therefore ideally suited for renovation work

### Silicone-free sealing rings

- The premium NiroSan® SF system is optimally suited for all applications that need an atmosphere free of silicone particles, such as the varnishing industry

### High corrosion resistance

- The premium stainless steel type 1.4404 (316L) and the exceptionally smooth, passivated surface of pipes and fittings lead to an excellent corrosion resistance.

### Exceptional flexibility

- All dimensions from 15 to 108 mm
- Reliable, permanent connection with NiroSan® stainless steel system pipes: NiroSan® SF (1.4404/316L), silicon-free, TIG-welded, annealed, low carbon, high ( $\geq 2.3 \%$ ) molybdenum content for increased corrosion resistance. Labelled in black lettering.
- Thread according to EN 10226 and/or ISO7/1 Typ R and R/p

## Product catalogue | (Series 19000)

### 19000

AUG 472

NiroSan® SF system pipe, material no. 1.4404 (316 L) in 6 m rods, silicone-free, individually wrapped in PE shrink films



Article No.	Dimension	Bag*	Box
61900015	15 x 1.0	600	o. r.
61900018	18 x 1.0	348	o. r.
61900022	22 x 1.2	420	o. r.
61900028	28 x 1.2	240	o. r.
61900035	35 x 1.5	180	o. r.
61900042	42 x 1.5	120	o. r.
61900054	54 x 1.5	60	o. r.
61900076	76.1 x 2.0	30	o. r.
61900089	88.9 x 2.0	30	o. r.
61900108	108.0 x 2.0	30	o. r.

### 19002A

AUG 013

NiroSan® SF Bend 90°, female/female end



Article No.	Dimension	Bag	Box
619002A15	15	1	200
619002A18	18	1	100
619002A22	22	1	80
619002A28	28	1	60
619002A35	35	1	30
619002A42	42	1	20
619002A54	54	1	10
619002A76	76.1	1	4
619002A89	88.9	1	2
619002A108	108.0	1	1

### 19001A

AUG 013

NiroSan® SF Bend 90°, female/male plain end



Article No.	Dimension	Bag	Box
619001A15	15	1	200
619001A18	18	1	150
619001A22	22	1	100
619001A28	28	1	60
619001A35	35	1	30
619001A42	42	1	20
619001A54	54	1	10
619001A76	76.1	1	4
619001A89	88.9	1	2
619001A108	108.0	1	1

### 19002AG

AUG 013

NiroSan® SF Bend 90°, female end and male thread



Article No.	Dimension	Bag	Box
619002AG1512	15 x 1/2	1	120
619002AG1812	18 x 1/2	1	100
619002AG1834	18 x 3/4	1	80
619002AG2234	22 x 3/4	1	80
619002AG281	28 x 1	1	40
619002AG35114	35 x 1 1/4	1	20
619002AG42112	42 x 1 1/2	1	10
619002AG542	54 x 2	1	6

### 19001L

AUG 013

NiroSan® SF Bend 90°, long, female/male plain end



Article No.	Dimension	Bag	Box
619001L15	15	1	150
619001L18	18	1	100
619001L22	22	1	60
619001L28	28	1	30
619001L35	35	1	16
619001L42	42	1	10
619001L54	54	1	6

### 19002G

AUG 013

NiroSan® SF Bend 90°, female end and female thread



Article No.	Dimension	Bag	Box
619002G1512	15 x 1/2	1	100
619002G1834	18 x 3/4	1	70
619002G2234	22 x 3/4	1	60
619002G281	28 x 1	1	30
619002G35114	35 x 1 1/4	1	20

## Product catalogue | (Series 19000)

### 19002M

AUG 013

NiroSan® SF Bend 90°, nut, flat seal, female thread and female end



Article No.	Dimension	Bag	Box
619002M1534	15 x 3/4	1	100
619002M1834	18 x 3/4	1	100
619002M221	22 x 1	1	50
619002M28114	28 x 1 1/4	1	40

### 19085

AUG 013

NiroSan® SF Crossover, female/female end



Article No.	Dimension	Bag	Box
61908515	15	1	120
61908518	18	1	80
61908522	22	1	60
61908528	28	1	30

### 19040

AUG 013

NiroSan® SF Bend 45°, female/male plain end



Article No.	Dimension	Bag	Box
61904015	15	1	250
61904018	18	1	200
61904022	22	1	120
61904028	28	1	80
61904035	35	1	40
61904042	42	1	26
61904054	54	1	14
61904076	76.1	1	5
61904089	88.9	1	3
619040108	108.0	1	2

### 19090

AUG 013

NiroSan® SF Elbow 90°, female/female end



Article No.	Dimension	Bag	Box
61909022	22	1	100
61909028	28	1	60

### 19092AG

AUG 013

NiroSan® SF Elbow 90°, female end and male thread



Article No.	Dimension	Bag	Box
619092AG1512	15 x 1/2	1	200
619092AG1834	18 x 3/4	1	120
619092AG2234	22 x 3/4	1	100
619092AG281	28 x 1	1	50
619092AG35114	35 x 1 1/4	1	40

### 19041

AUG 013

NiroSan® SF Bend 45°, female/female end



Article No.	Dimension	Bag	Box
61904115	15	1	250
61904118	18	1	200
61904122	22	1	120
61904128	28	1	65
61904135	35	1	50
61904142	42	1	26
61904154	54	1	14
61904176	76.1	1	5
61904189	88.9	1	3
619041108	108.0	1	2

### 19090IG

AUG 013

NiroSan® SF Elbow 90°, female end and female thread



Article No.	Dimension	Bag	Box
619090IG1512	15 x 1/2	1	180
619090IG1834	18 x 3/4	1	120
619090IG2234	22 x 3/4	1	100
619090IG281	28 x 1	1	50
619090IG35114	35 x 1 1/4	1	30



## Product catalogue | (Series 19000)

### 19130

AUG 013

NiroSan® SF Tee, female ends



Article No.	Dimension	Bag	Box
61913015	15	1	120
61913018	18	1	80
61913022	22	1	60
61913028	28	1	40
61913035	35	1	24
61913042	42	1	16
61913054	54	1	8
61913076	76.1	1	3
61913089	88.9	1	2
619130108	108.0	1	1
619130181515	18 x 15 x 15	1	120
619130181518	18 x 15 x 18	1	100
619130221515	22 x 15 x 15	1	100
619130221522	22 x 15 x 22	1	70
619130221818	22 x 18 x 18	1	80
619130221822	22 x 18 x 22	1	60
619130281528	28 x 15 x 28	1	50
619130281828	28 x 18 x 28	1	40
619130282222	28 x 22 x 22	1	60
619130282228	28 x 22 x 28	1	40
619130351535	35 x 15 x 35	1	30
619130351835	35 x 18 x 35	1	30
619130352235	35 x 22 x 35	1	26
619130352835	35 x 28 x 35	1	26
619130421842	42 x 18 x 42	1	22
619130422242	42 x 22 x 42	1	18
619130422842	42 x 28 x 42	1	18
619130423542	42 x 35 x 42	1	16
619130542254	54 x 22 x 54	1	10
619130542854	54 x 28 x 54	1	10
619130543554	54 x 35 x 54	1	8
619130544254	54 x 42 x 54	1	8
619130762276	76.1 x 22 x 76.1	1	5
619130762876	76.1 x 28 x 76.1	1	5
619130763576	76.1 x 35 x 76.1	1	5
619130764276	76.1 x 42 x 76.1	1	5
619130765476	76.1 x 54 x 76.1	1	4
619130892289	88.9 x 22 x 88.9	1	4
619130892889	88.9 x 28 x 88.9	1	4
619130893589	88.9 x 35 x 88.9	1	4
619130894289	88.9 x 42 x 88.9	1	3

### 19130

AUG 013

NiroSan® SF Tee, female ends



Article No.	Dimension	Bag	Box
619130895489	88.9 x 54 x 88.9	1	3
619130897689	88.9 x 76.1 x 88.9	1	2
61913010822108	108.0 x 22 x 108.0	1	2
61913010828108	108.0 x 28 x 108.0	1	2
61913010835108	108.0 x 35 x 108.0	1	2
61913010842108	108.0 x 42 x 108.0	1	2
61913010854108	108.0 x 54 x 108.0	1	1
61913010876108	108.0 x 76.1 x 108.0	1	1
61913010889108	108.0 x 88.9 x 108.0	1	1

### 19130G

AUG 013

NiroSan® SF Tee,  
female/female end and female thread



Article No.	Dimension	Bag	Box
619130G151215	15 x 1/2 x 15	1	80
619130G181218	18 x 1/2 x 18	1	80
619130G183418	18 x 3/4 x 18	1	70
619130G221222	22 x 1/2 x 22	1	60
619130G223422	22 x 3/4 x 22	1	50
619130G281228	28 x 1/2 x 28	1	40
619130G283428	28 x 3/4 x 28	1	40
619130G28128	28 x 1 x 28	1	40
619130G351235	35 x 1/2 x 35	1	30
619130G353435	35 x 3/4 x 35	1	30
619130G3511435	35 x 1 1/4 x 35	1	24
619130G421242	42 x 1/2 x 42	1	20
619130G423442	42 x 3/4 x 42	1	20
619130G4211242	42 x 1 1/2 x 42	1	12
619130G541254	54 x 1/2 x 54	1	12
619130G543454	54 x 3/4 x 54	1	12
619130G54254	54 x 2 x 54	1	8
619130G763476	76.1 x 3/4 x 76.1	1	4
619130G893489	88.9 x 3/4 x 88.9	1	4
619130G76276	76.1 x 2 x 76.1	1	4
619130G89289	88.9 x 2 x 88.9	1	4
619130G10834108	108.0 x 3/4 x 108.0	1	2
619130G1082108	108.0 x 2 x 108.0	1	2

## Product catalogue | (Series 19000)

### 19240

AUG 013

NiroSan® SF Reducing coupling,  
female/female end



Article No.	Dimension	Bag	Box
6192401815	18 x 15	1	200
6192402215	22 x 15	1	150
6192402218	22 x 18	1	150
6192402822	28 x 22	1	100

### 19243

AUG 013

NiroSan® SF Fitting reducer, with female  
and male plain end



Article No.	Dimension	Bag	Box
6192431815	18a x 15	1	300
6192432215	22a x 15	1	200
6192432218	22a x 18	1	200
6192432815	28a x 15	1	120
6192432818	28a x 18	1	100
6192432822	28a x 22	1	120
6192433518	35a x 18	1	70
6192433522	35a x 22	1	70
6192433528	35a x 28	1	60
6192434222	42a x 22	1	40
6192434228	42a x 28	1	40
6192434235	42a x 35	1	40
6192435428	54a x 28	1	30
6192435435	54a x 35	1	30
6192435442	54a x 42	1	30
6192437654	76.1a x 54	1	16
6192438954	88.9a x 54	1	10
6192438976	88.9a x 76.1	1	8
61924310854	108.0a x 54	1	4
61924310876	108.0a x 76.1	1	4
61924310889	108.0a x 88.9	1	4

### 19243G

AUG 013

NiroSan® SF Adaptor,  
with female end and male thread



Article No.	Dimension	Bag	Box
619243G1538	15 x 3/8	1	300
619243G1512	15 x 1/2	1	250
619243G1534	15 x 3/4	1	200

### 19243G

AUG 013

NiroSan® SF Adaptor,  
with female end and male thread



Article No.	Dimension	Bag	Box
619243G1812	18 x 1/2	1	250
619243G1834	18 x 3/4	1	170
619243G2212	22 x 1/2	1	180
619243G2234	22 x 3/4	1	150
619243G221	22 x 1	1	100
619243G2834	28 x 3/4	1	100
619243G281	28 x 1	1	90
619243G351	35 x 1	1	60
619243G35114	35 x 1 1/4	1	40
619243G42112	42 x 1 1/2	1	30
619243G542	54 x 2	1	20
619243G76212	76.1 x 2 1/2	1	8
619243G893	88.9 x 3	1	6
619243G1084	108.0 x 4	1	4

### 19270

AUG 013

NiroSan® SF Coupling,  
female/female end



Article No.	Dimension	Bag	Box
61927015	15	1	300
61927018	18	1	200
61927022	22	1	150
61927028	28	1	80
61927035	35	1	50
61927042	42	1	30
61927054	54	1	24
61927076	76.1	1	10
61927089	88.9	1	6
619270108	108.0	1	4

### 19270G

AUG 013

NiroSan® SF Transition coupling,  
with female end and female thread



Article No.	Dimension	Bag	Box
619270G1512	15 x 1/2	1	200
619270G1534	15 x 3/4	1	180
619270G1812	18 x 1/2	1	200
619270G1834	18 x 3/4	1	170

## Product catalogue | (Series 19000)

### 19270G

AUG 013

NiroSan® SF Transition coupling, with female end and female thread



Article No.	Dimension	Bag	Box
619270G2212	22 x 1/2	1	170
619270G2234	22 x 3/4	1	150
619270G221	22 x 1	1	120
619270G2834	28 x 3/4	1	100
619270G281	28 x 1	1	80
619270G35114	35 x 1 1/4	1	36
619270G42112	42 x 1 1/2	1	28
619270G542	54 x 2	1	20

### 19270S

AUG 013

NiroSan® SF Slip coupling, female/female end



Article No.	Dimension	Bag	Box
619270S15	15	1	200
619270S18	18	1	150
619270S22	22	1	100
619270S28	28	1	80
619270S35	35	1	50
619270S42	42	1	40
619270S54	54	1	20
619270S76	76.1	1	10
619270S89	88.9	1	4
619270S108	108.0	1	3

### 19301

AUG 013

NiroSan® SF Cap, female end



Article No.	Dimension	Bag	Box
61930115	15	1	400
61930118	18	1	300
61930122	22	1	200
61930128	28	1	150
61930135	35	1	80
61930142	42	1	50
61930154	54	1	30

### 19330

AUG 013

NiroSan® SF Union, with flat seal, stainless steel nut, female/female end



Article No.	Dimension	Bag	Box
61933015	15	1	120
61933018	18	1	80
61933022	22	1	50
61933028	28	1	35
61933035	35	1	30
61933042	42	1	20
61933054	54	1	12

### 19330GMVA

AUG 013

NiroSan® SF Union, with flat seal, stainless steel nut, with female end and female thread



Article No.	Dimension	Bag	Box
619330GMVA1512	15 x 1/2	1	120
619330GMVA1534	15 x 3/4	1	100
619330GMVA1834	18 x 3/4	1	80
619330GMVA2234	22 x 3/4	1	50
619330GMVA221	22 x 1	1	50
619330GMVA2834	28 x 3/4	1	40
619330GMVA281	28 x 1	1	50
619330GMVA35114	35 x 1 1/4	1	30
619330GMVA42112	42 x 1 1/2	1	20
619330GMVA542	54 x 2	1	12

### 19333GMVA

AUG 013

NiroSan® SF Union, with flat seal, stainless steel nut, with female end and male thread



Article No.	Dimension	Bag	Box
619333GMVA1512	15 x 1/2	1	150
619333GMVA1534	15 x 3/4	1	120
619333GMVA1812	18 x 1/2	1	100
619333GMVA2234	22 x 3/4	1	60
619333GMVA281	28 x 1	1	50
619333GMVA35114	35 x 1 1/4	1	40
619333GMVA42112	42 x 1 1/2	1	20
619333GMVA542	54 x 2	1	12

## Product catalogue | (Series 19000)

### 19359M

AUG 013

NiroSan® SF Union adaptor with flat seal, stainless steel nut, female end



Article No.	Dimension	Bag	Box
619359M1512	15 x 1/2	1	250
619359M1534	15 x 3/4	1	200
619359M1834	18 x 3/4	1	200
619359M221	22 x 1	1	130
619359M28114	28 x 1 1/4	1	50
619359M35112	35 x 1 1/2	1	50
619359M42134	42 x 1 3/4	1	34
619359M54238	54 x 2 3/8	1	20

### 19472G

AUG 013

NiroSan® SF Wall plate with universal flange, with female end and female thread



Article No.	Dimension	Bag	Box
619472G1512	15 x 1/2	1	90
619472G1812	18 x 1/2	1	80
619472G2234	22 x 3/4	1	60

### 19-VA-PF

AUG 013

NiroSan® SF Crimping flange, with female end, PN 10/16, for silicone-free applications



Article No.	Dimension	Bag	Box
619VAPF18	DN 15 / 18 mm	1	20
619VAPF22	DN 20 / 22 mm	1	16
619VAPF28	DN 25 / 28 mm	1	14
619VAPF35	DN 32 / 35 mm	1	10
619VAPF42	DN 40 / 42 mm	1	8
619VAPF54	DN 50 / 54 mm	1	3
619VAPF76	DN 65 / 76.1 mm	1	2
619VAPF89	DN 80 / 88.9 mm	1	2
619VAPF108	DN 100 / 108.0 mm	1	1

# PIPING SYSTEMS

## Stainless steel



**NiroTherm<sup>®</sup>**  
Series 91000

**combipress**  
= Tool Compatibility + Push & Stay  
+ Leak Path Feature  
exclusive from **SANHA**

#### AREAS OF APPLICATION

- | Heating
- | Cooling water
- | Technical gases
- | Compressed air [oil ≤ 25 mg/m<sup>3</sup>]
- | Rainwater
- | Inert gases
- | Cooling water



# NiroTherm®

## Series 91000

The innovative SANHA piping system NiroTherm® combines high-quality NiroTherm® press fittings with a black sealing ring made of EPDM and NiroTherm® stainless steel system tubes according to EN 10312.

The system is produced from the material 1.4301 (AISI 304). Due to the well known corrosion resistance of stainless steel, Nirotherm offers installers a real alternative to conventional steels in closed systems, in damp or humid atmospheres, such as within screeds. Since it needs significantly less protection against humidity, it is quicker and more economical to install.

In addition to the system description, NiroTherm® system press fittings are marked on the outside with a red dot.

### Operating conditions for the NiroTherm® press system

Water and aqueous solutions

Technical gases (non toxic, non flammable)

Outside pipe diameter	d ≤ 168.3 mm
Operating pressure	16 bar
Operating temperature NiroTherm® press fittings with EPDM sealing ring	-30 °C – +120 °C
Pipe thread	R/Rp thread according to EN 10226
Fastening thread	G thread according to ISO 228

All pipes are available in 3 and 6 m lengths.

Please pay particular attention to our technical documentation and installation instructions! Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

## FEATURES

### Combipress

- **Tool compatibility:** pressable with press jaws and slings with original SA, V and M profile up to and including 54 mm (with M and SA up to 108 mm).
- **Leak path feature:** (certified forced leakage before pressing with EPDM and HNBR sealing rings) in combination with
- **Push & Stay:** Pipe is retained after locating into the SANHA fitting, this feature is inclusive on fittings up to 54 mm

### First class material, lower labour cost

- NiroTherm® is especially useful where carbon steel systems cannot be installed or need to be heavily protected against corrosion.
- NiroTherm® needs less protection as the material itself offers an additional layer of safety.

### Fast installation, no risk of fire

- The connection with stainless steel pipes by cold pressing enables a fast, time-saving installation and eliminates the risk of fire during the process. NiroTherm® piping systems are therefore ideally suited for renovation work.

### High corrosion resistance

- The premium stainless steel type 1.4301 (304) and the exceptionally smooth, passivated surface of pipes and fittings lead to an excellent corrosion resistance.

### Exceptional flexibility

- All dimensions from 15 to 168.3 mm including 64 mm available
- Reliable, permanent connection with NiroTherm® and NiroSan® stainless steel system pipes:  
**Secure**, permanent connection with NiroSan® pipes: **NiroTherm®** (1.4301/304), optimised wall thickness, TIG welded, annealed for improved corrosion resistance
- Thread according to EN 10226 and ISO7/1 Type R and Rp

## Product catalogue | (Series 91000)

### 9100

AUG 480

NiroTherm® system pipe, material no. 1.4301 (304), reduced wall thickness, in 6 m rods, for cooling, compressed air, heating and industrial applications, in combination with SANHA®-Therm press fittings of 24000 series or NiroSan®-Press fittings of 9000 series



Article No.	Dimension	Bag*	Box
6910015	15 x 0.6	600	o.r.
6910018	18 x 0.7	348	o.r.
6910022	22 x 0.7	420	o.r.
6910028	28 x 0.8	240	o.r.
6910035	35 x 1.0	180	o.r.
6910042	42 x 1.1	120	o.r.
6910054	54 x 1.2	60	o.r.
6910076	76.1 x 1.5	30	o.r.
6910089	88.9 x 1.5	30	o.r.
69100108	108 x 1.5	30	o.r.
69100140	139.7 x 2.0	o.r.	o.r.
69100168	168.3	o.r.	o.r.

### 9150

AUG 480

NiroTherm® system pipe, material no. 1.4301 (304), reduced wall thickness, in 3 m rods, for cooling, compressed air, heating and industrial applications, in combination with SANHA®-Therm press fittings of 24000 series or NiroSan®-Press fittings of 9000 series



Article No.	Dimension	Bag*	Box
6915015	15 x 0.6	300	o.r.
6915018	18 x 0.7	120	o.r.
6915022	22 x 0.7	210	o.r.
6915028	28 x 0.8	120	o.r.
6915035	35 x 1.0	90	o.r.
6915042	42 x 1.1	60	o.r.
6915054	54 x 1.2	30	o.r.
6915076	76.1 x 1.5	15	o.r.
6915089	88.9 x 1.5	15	o.r.
69150108	108 x 1.5	15	o.r.

### 91001A

AUG 018

NiroTherm® Bend 90°, female/male plain end



Article No.	Dimension	Bag	Box
691001A15	15	10	200
691001A18	18	10	150
691001A22	22	10	100
691001A28	28	5	60
691001A35	35	2	30
691001A42	42	2	20
691001A54	54	2	10
691001A76	76.1	1	4
691001A89	88.9	1	2
691001A108	108.0	1	1

### 91003G

AUG 018

NiroTherm® Bend 90°, male plain end and female thread



Article No.	Dimension	Bag	Box
691003G1812	18 x 1/2	10	80

### 91001L

AUG 018

NiroTherm® Bend 90°, long, female/male plain end



Article No.	Dimension	Bag	Box
691001L15	15	10	150
691001L18	18	10	100
691001L22	22	10	60
691001L28	28	5	30
691001L35	35	2	16
691001L42	42	2	10
691001L54	54	2	6

## Product catalogue | (Series 91000)

### 91002A

AUG 018

NiroTherm® Bend 90°, female/female end



Article No.	Dimension	Bag	Box
691002A15	15	10	200
691002A18	18	10	150
691002A22	22	10	100
691002A28	28	5	60
691002A35	35	2	30
691002A42	42	2	20
691002A54	54	2	10
691002A76	76.1	1	4
691002A89	88.9	1	2
691002A108	108.0	1	1
691002A140	139.7	1	3
691002A168	168.3	1	1

### 91002AG

AUG 018

NiroTherm® Bend 90°, female end and male thread



Article No.	Dimension	Bag	Box
691002AG1512	15 x 1/2	10	120
691002AG1812	18 x 1/2	10	100
691002AG1834	18 x 3/4	10	80
691002AG2234	22 x 3/4	10	80
691002AG281	28 x 1	5	40
691002AG35114	35 x 1 1/4	2	20
691002AG42112	42 x 1 1/2	2	10
691002AG542	54 x 2	2	6

### 91002G

AUG 018

NiroTherm® Bend 90°, female end and female thread



Article No.	Dimension	Bag	Box
691002G1512	15 x 1/2	10	100
691002G1812	18 x 1/2	10	70
691002G1834	18 x 3/4	10	70
691002G2234	22 x 3/4	10	60
691002G281	28 x 1	5	30
691002G35114	35 x 1 1/4	2	20

### 91002M

AUG 018

NiroTherm® Bend 90°, nut, flat seal, female thread and female end



Article No.	Dimension	Bag	Box
691002M1534	15 x 3/4	10	100
691002M1834	18 x 3/4	10	100
691002M221	22 x 1	10	50
691002M28114	28 x 1 1/4	5	40

### 91002MG

AUG 018

NiroTherm® Bend 90°, nut, flat seal, female end and male thread



Article No.	Dimension	Bag	Box
691002MG3434	3/4 x 3/4	10	60
691002MG11	1 x 1	10	40

### 91003

AUG 018

NiroTherm® Bend 90°, male plain ends



Article No.	Dimension	Bag	Box
69100315	15	10	100
69100318	18	10	80
69100322	22	10	70
69100328	28	5	30
69100335	35	2	20
69100342	42	2	10
69100354	54	2	6

### 91005

AUG 018

NiroTherm® Pipe element with flanging for overflow



Article No.	Dimension	Bag	Box
6910052850034	28 x 500 x 3/4	o.r.	28



## Product catalogue | (Series 91000)

### 91040

AUG 018

NiroTherm® Bend 45°, female/male plain end



Article No.	Dimension	Bag	Box
69104015	15	10	250
69104018	18	10	200
69104022	22	10	120
69104028	28	5	80
69104035	35	2	40
69104042	42	2	26
69104054	54	2	14
69104076	76.1	1	5
69104089	88.9	1	3
691040108	108.0	1	2

### 91087

AUG 018

NiroTherm® Crossover, male/male plain end



Article No.	Dimension	Bag	Box
69108715	15	10	120
69108718	18	10	80
69108722	22	10	50
69108728	28	5	40

### 91041

AUG 018

NiroTherm® Bend 45°, female/female end



Article No.	Dimension	Bag	Box
69104115	15	10	250
69104118	18	10	200
69104122	22	10	120
69104128	28	5	65
69104135	35	2	44
69104142	42	2	26
69104154	54	2	14
69104176	76.1	1	5
69104189	88.9	1	3
691041108	108.0	1	2
691041140	139.7	1	4
691041168	168.3	1	2

### 91090

AUG 018

NiroTherm® Elbow 90°, female/female end



Article No.	Dimension	Bag	Box
69109022	22	10	100
69109028	28	5	60

### 91092AG

AUG 018

NiroTherm® Elbow 90°, female end and male thread



Article No.	Dimension	Bag	Box
691092AG1512	15 x 1/2	10	200
691092AG1812	18 x 1/2	10	200
691092AG1834	18 x 3/4	10	120
691092AG2234	22 x 3/4	10	100
691092AG281	28 x 1	5	50
691092AG35114	35 x 1 1/4	2	40
691092AG42112	42 x 1 1/2	2	30
691092AG542	54 x 2	2	16

### 91085

AUG 018

NiroTherm® Crossover, female/female end



Article No.	Dimension	Bag	Box
69108515	15	10	120
69108518	18	10	80
69108522	22	10	60
69108528	28	5	30

### 91090IG

AUG 018

NiroTherm® Elbow 90°, female end and female thread



Article No.	Dimension	Bag	Box
691090IG1512	15 x 1/2	10	180
691090IG1834	18 x 3/4	10	120
691090IG2234	22 x 3/4	10	100
691090IG281	28 x 1	5	50
691090IG3512	35 x 1/2	2	50
691090IG3534	35 x 3/4	2	50
691090IG35114	35 x 1 1/4	2	30

## Product catalogue | (Series 91000)

### 91130

AUG 018

NiroTherm® Tee, female ends



Article No.	Dimension	Bag	Box
69113015	15	10	120
69113018	18	10	100
69113022	22	10	60
69113028	28	5	40
69113035	35	2	24
69113042	42	2	16
69113054	54	2	8
69113076	76.1	1	3
69113089	88.9	1	2
691130108	108.0	1	1
691130140	139.7	1	3
691130168	168.3	1	1
691130181515	18 x 15 x 15	10	120
691130181518	18 x 15 x 18	10	100
691130221515	22 x 15 x 15	10	100
691130221522	22 x 15 x 22	10	70
691130221818	22 x 18 x 18	10	80
691130221822	22 x 18 x 22	10	60
691130281528	28 x 15 x 28	5	50
691130281828	28 x 18 x 28	5	40
691130282222	28 x 22 x 22	5	60
691130282228	28 x 22 x 28	5	40
691130351535	35 x 15 x 35	2	30
691130351835	35 x 18 x 35	2	30
691130352235	35 x 22 x 35	2	26
691130352835	35 x 28 x 35	2	26
691130421842	42 x 18 x 42	2	22
691130422242	42 x 22 x 42	2	18
691130422842	42 x 28 x 42	2	18
691130423542	42 x 35 x 42	2	16
691130542254	54 x 22 x 54	2	10
691130542854	54 x 28 x 54	2	10
691130543554	54 x 35 x 54	2	8
691130544254	54 x 42 x 54	2	8
691130762276	76.1 x 22 x 76.1	1	5
691130762876	76.1 x 28 x 76.1	1	5
691130763576	76.1 x 35 x 76.1	1	5
691130764276	76.1 x 42 x 76.1	1	5
691130765476	76.1 x 54 x 76.1	1	4
691130892289	88.9 x 22 x 88.9	1	4
691130892889	88.9 x 28 x 88.9	1	4
691130893589	88.9 x 35 x 88.9	1	4
691130894289	88.9 x 42 x 88.9	1	3
691130895489	88.9 x 54 x 88.9	1	3
691130897689	88.9 x 76.1 x 88.9	1	2

### 91130

AUG 018

NiroTherm® Tee, female ends



Article No.	Dimension	Bag	Box
69113010822108	108.0 x 22 x 108.0	1	2
69113010828108	108.0 x 28 x 108.0	1	2
69113010835108	108.0 x 35 x 108.0	1	2
69113010842108	108.0 x 42 x 108.0	1	2
69113010854108	108.0 x 54 x 108.0	1	1
69113010876108	108.0 x 76.1 x 108.0	1	1
69113010889108	108.0 x 88.9 x 108.0	1	1
69113014076140	139.7 x 76.1 x 139.7	1	2
69113014089140	139.7 x 88.9 x 139.7	1	2
691130140108140	139.7 x 108.0 x 139.7	1	2
69113016876168	168.3 x 76.1 x 168.3	1	1
69113016889168	168.3 x 88.9 x 168.3	1	1
691130168108168	168.3 x 108.0 x 168.3	1	1

### 91130G

AUG 018

NiroTherm® Tee,  
female/female end and female thread



Article No.	Dimension	Bag	Box
691130G151215	15 x 1/2 x 15	10	80
691130G181218	18 x 1/2 x 18	10	80
691130G183418	18 x 3/4 x 18	10	70
691130G221222	22 x 1/2 x 22	5	60
691130G223422	22 x 3/4 x 22	10	50
691130G281228	28 x 1/2 x 28	5	40
691130G283428	28 x 3/4 x 28	5	40
691130G28128	28 x 1 x 28	5	40
691130G351235	35 x 1/2 x 35	2	30
691130G353435	35 x 3/4 x 35	2	30
691130G3511435	35 x 1 1/4 x 35	2	24
691130G421242	42 x 1/2 x 42	2	20
691130G423442	42 x 3/4 x 42	2	20
691130G4211242	42 x 1 1/2 x 42	2	12
691130G541254	54 x 1/2 x 54	2	12
691130G543454	54 x 3/4 x 54	2	12
691130G54254	54 x 2 x 54	2	8
691130G763476	76.1 x 3/4 x 76.1	1	4
691130G76176	76.1 x 1 x 76.1	1	4
691130G76276	76.1 x 2 x 76.1	1	4
691130G893489	88.9 x 3/4 x 88.9	1	4
691130G89289	88.9 x 2 x 88.9	1	4
691130G10834108	108.0 x 3/4 x 108.0	1	2
691130G1082108	108.0 x 2 x 108.0	1	2

## Product catalogue I (Series 91000)

### 91240

AUG 018

NiroTherm® Reducing coupling, female/female end



Article No.	Dimension	Bag	Box
6912401815	18 x 15	10	200
6912402215	22 x 15	10	150
6912402218	22 x 18	10	150
6912402822	28 x 22	10	100

### 91243

AUG 018

NiroTherm® Fitting reducer, with female and male plain end



Article No.	Dimension	Bag	Box
6912431815	18a x 15	10	300
6912432215	22a x 15	10	200
6912432218	22a x 18	10	200
6912432815	28a x 15	5	120
6912432818	28a x 18	5	100
6912432822	28a x 22	5	120
6912433518	35a x 18	2	70
6912433522	35a x 22	2	70
6912433528	35a x 28	2	60
6912434222	42a x 22	2	40
6912434228	42a x 28	2	40
6912434235	42a x 35	2	40
6912435428	54a x 28	2	30
6912435435	54a x 35	2	30
6912435442	54a x 42	2	30
6912437654	76.1a x 54	2	16
6912438954	88.9a x 54	2	8
6912438976	88.9a x 76.1	2	8
69124310854	108.0a x 54	2	4
69124310876	108.0a x 76.1	2	4
69124310889	108.0a x 88.9	2	4
69124314089	139.7a x 88.9	1	3
691243140108	139.7a x 108.0	1	3
69124316889	168.3a x 88.9	1	o.r.
691243168108	168.3a x 108.0	1	2

### 91243G

AUG 018

NiroTherm® Adaptor, with female end and male thread



Article No.	Dimension	Bag	Box
691243G1538	15 x 3/8	10	300
691243G1512	15 x 1/2	10	250
691243G1534	15 x 3/4	10	200
691243G1812	18 x 1/2	10	250
691243G1834	18 x 3/4	10	170
691243G2212	22 x 1/2	10	180
691243G2234	22 x 3/4	10	150
691243G221	22 x 1	10	100
691243G2834	28 x 3/4	5	100
691243G281	28 x 1	5	90
691243G3512	35 x 1/2	2	70
691243G3534	35 x 3/4	2	60
691243G351	35 x 1	2	60
691243G35114	35 x 1 1/4	2	40
691243G4234	42 x 3/4	2	50
691243G42112	42 x 1 1/2	2	30
691243G542	54 x 2	2	20
691243G76212	76.1 x 2 1/2	1	8
691243G893	88.9 x 3	1	6
691243G1084	108.0 x 4	1	4

### 91246G

AUG 018

NiroTherm® Transition element, with male plain end and female thread



Article No.	Dimension	Bag	Box
691246G1512	15a x 1/2	10	200
691246G1812	18a x 1/2	10	200
691246G2212	22a x 1/2	10	180
691246G2234	22a x 3/4	10	120
691246G2834	28a x 3/4	5	100

### 91250

AUG 018

NiroTherm® Adaptor, with female end and groove for tube coupling



Article No.	Dimension	Bag	Box
69125028337	28 x 33.7	5	80
69125035424	35 x 42.4	2	50
69125042483	42 x 48.3	2	40

## Product catalogue I (Series 91000)

### 91250

AUG 018

NiroTherm® Adaptor, with female end and groove for tube coupling



Article No.	Dimension	Bag	Box
69125054603	54 x 60.3	2	28
691250761761	76.1 x 76.1	1	10
691250889889	88.9 x 88.9	1	6
691250108114	108 x 114	1	5

### 91270

AUG 018

NiroTherm® Coupling, female/female end



Article No.	Dimension	Bag	Box
69127015	15	10	300
69127018	18	10	200
69127022	22	10	150
69127028	28	5	80
69127035	35	2	50
69127042	42	2	30
69127054	54	2	24
69127076	76.1	1	10
69127089	88.9	1	6
691270108	108.0	1	4
691270140	139.7	1	2
691270168	168.3	1	2

### 91270G

AUG 018

NiroTherm® Transition coupling, with female end and female thread



Article No.	Dimension	Bag	Box
691270G1512	15 x 1/2	10	200
691270G1534	15 x 3/4	10	180
691270G1812	18 x 1/2	10	200
691270G1834	18 x 3/4	10	170
691270G2212	22 x 1/2	10	170
691270G2234	22 x 3/4	10	150
691270G221	22 x 1	10	120
691270G2834	28 x 3/4	5	100
691270G281	28 x 1	5	80
691270G35114	35 x 1 1/4	2	36
691270G42112	42 x 1 1/2	2	28
691270G542	54 x 2	2	20

### 91270S

AUG 018

NiroTherm® Slip coupling, female/female end



Article No.	Dimension	Bag	Box
691270S15	15	10	200
691270S18	18	10	150
691270S22	22	10	100
691270S28	28	5	80
691270S35	35	2	50
691270S42	42	2	40
691270S54	54	2	20
691270S76	76.1	1	10
691270S89	88.9	1	4
691270S108	108.0	1	3

### 91280

AUG 018

NiroTherm® Threaded adaptor, male/male thread



Article No.	Dimension	Bag	Box
69128012	1/2	10	230
69128034	3/4	10	140
6912801	1	5	120

### 91280G

AUG 018

NiroTherm® Adaptor, with male plain end and male thread



Article No.	Dimension	Bag	Box
691280G1512	15a x 1/2	10	200
691280G1812	18a x 1/2	10	150
691280G1834	18a x 3/4	10	180
691280G2212	22a x 1/2	10	200
691280G2234	22a x 3/4	10	100
691280G281	28a x 1	5	100

## Product catalogue | (Series 91000)

### 91301

AUG 018

NiroTherm® Cap, female end



Article No.	Dimension	Bag	Box
69130115	15	10	400
69130118	18	10	300
69130122	22	10	200
69130128	28	5	150
69130135	35	2	80
69130142	42	2	50
69130154	54	2	30
69130176	76.1	1	20
69130189	88.9	1	14
691301108	108.0	1	10

### 91301E

AUG 018

NiroTherm® Cap for de-aeration, female end



Article No.	Dimension	Bag	Box
691301E7634	76.1 x 3/4	1	18
691301E8934	88.9 x 3/4	1	8
691301E10834	108.0 x 3/4	1	6

### 91330

AUG 018

NiroTherm® Union, with flat seal, stainless steel nut, female/female end



Article No.	Dimension	Bag	Box
69133015	15	5	120
69133018	18	5	80
69133022	22	5	50
69133028	28	5	35
69133035	35	2	30
69133042	42	2	20
69133054	54	2	12

### 91330G

AUG 018

NiroTherm® Union, with flat seal, brass nut, with female end and female thread



Article No.	Dimension	Bag	Box
691330G1512	15 x 1/2	5	120
691330G1534	15 x 3/4	5	100
691330G1834	18 x 3/4	5	80
691330G2234	22 x 3/4	5	50
691330G221	22 x 1	5	50
691330G2834	28 x 3/4	5	50
691330G281	28 x 1	5	40
691330G35114	35 x 1 1/4	2	30
691330G42112	42 x 1 1/2	2	20
691330G542	54 x 2	2	12

### 91330GMVA

AUG 018

NiroTherm® Union, with flat seal, stainless steel nut, with female end and female thread



Article No.	Dimension	Bag	Box
691330GMVA1512	15 x 1/2	5	120
691330GMVA1534	15 x 3/4	5	100
691330GMVA1834	18 x 3/4	5	80
691330GMVA2234	22 x 3/4	5	50
691330GMVA221	22 x 1	5	50
691330GMVA2834	28 x 3/4	5	50
691330GMVA281	28 x 1	5	40
691330GMVA35114	35 x 1 1/4	2	30
691330GMVA42112	42 x 1 1/2	2	20
691330GMVA542	54 x 2	2	12

### 91333G

AUG 018

NiroTherm® Union, with flat seal, brass nut, with female end and male thread



Article No.	Dimension	Bag	Box
691333G1512	15 x 1/2	5	150
691333G1534	15 x 3/4	5	120
691333G1812	18 x 1/2	5	100
691333G2234	22 x 3/4	5	60
691333G281	28 x 1	5	50
691333G35114	35 x 1 1/4	2	40
691333G42112	42 x 1 1/2	2	20
691333G542	54 x 2	2	12

## Product catalogue | (Series 91000)

### 91333GMVA

AUG 018

NiroTherm® Union, with flat seal, stainless nut, with female end and male thread



Article No.	Dimension	Bag	Box
691333GMVA1512	15 x 1/2	5	150
691333GMVA1534	15 x 3/4	5	120
691333GMVA1812	18 x 1/2	5	100
691333GMVA2234	22 x 3/4	5	60
691333GMVA281	28 x 1	5	50
691333GMVA35114	35 x 1 1/4	2	40
691333GMVA42112	42 x 1 1/2	2	20
691333GMVA542	54 x 2	2	12

### 91359M

AUG 018

NiroTherm® Union adaptor with flat seal, stainless steel nut, female end



Article No.	Dimension	Bag	Box
691359M1512	15 x 1/2	5	250
691359M1534	15 x 3/4	5	200
691359M1834	18 x 3/4	5	200
691359M221	22 x 1	5	130
691359M28114	28 x 1 1/4	5	50
691359M35112	35 x 1 1/2	2	50
691359M42134	42 x 1 3/4	2	34
691359M54238	54 x 2 3/8	2	20

### 91359MMS

AUG 018

NiroTherm® Union adaptor with flat seal, brass nut, female end



Article No.	Dimension	Bag	Box
691359MMS1512	15 x 1/2	5	250
691359MMS1534	15 x 3/4	5	200
691359MMS1834	18 x 3/4	5	200
691359MMS221	22 x 1	5	130
691359MMS28114	28 x 1 1/4	5	50
691359MMS35112	35 x 1 1/2	2	50
691359MMS42134	42 x 1 3/4	2	34
691359MMS54238	54 x 2 3/8	2	20

### 91370G

AUG 018

NiroTherm® Threaded hexagon adaptor, female/male thread



Article No.	Dimension	Bag	Box
691370G3434	3/4 x 3/4	5	120
691370G11	1 x 1	5	100

### 91471

AUG 009

NiroTherm® Wall plate with sound insulation, with female end and female thread



Article No.	Dimension	Bag	Box
6914711512	15 x 1/2	2	30

### 91472G

AUG 018

NiroTherm® Wall plate with universal flange, with female end and female thread



Article No.	Dimension	Bag	Box
691472G1512	15 x 1/2	10	90
691472G1812	18 x 1/2	10	80
691472G2234	22 x 3/4	10	60
691472G2834	28 x 3/4	5	50

### 91872L

AUG 018

NiroTherm® Axial compensator to compensate expansion, female/female end



Article No.	Dimension	Bag	Box
691872L15	15	1	100
691872L18	18	1	120
691872L22	22	1	60
691872L28	28	1	40
691872L35	35	1	30
691872L42	42	1	20
691872L54	54	1	14
691872L76	76.1	1	5
691872L89	88.9	1	3
691872L108	108.0	1	2

## Product catalogue | (Series 91000)

### 91-VA-PF

AUG 018

NiroTherm® Crimping flange, with female end, PN10/16



Article No.	Dimension	Bag	Box
691VAPF18	DN 15 / 18 mm	1	20
691VAPF22	DN 20 / 22 mm	1	16
691VAPF28	DN 25 / 28 mm	1	14
691VAPF35	DN 32 / 35 mm	1	10
691VAPF42	DN 40 / 42 mm	1	8
691VAPF54	DN 50 / 54 mm	1	3
691VAPF76	DN 65 / 76.1 mm	1	2
691VAPF89	DN 80 / 88.9 mm	1	2
691VAPF108	DN 100 / 108.0 mm	1	1
691VAPF140	139.7	1	2
691VAPF168	168.3	1	1

### D-EPDM

AUG 602

EPDM Flat Sealing



Article No.	Dimension	Bag	Box
1DEPDM38	3/8 nut 14 x 8 x 3	o. r.	o. r.
1DEPDM12	1/2 nut 18 x 11 x 3	o. r.	o. r.
1DEPDM34	3/4 nut 24 x 17 x 3	o. r.	o. r.
1DEPDM1	1 nut 30 x 21 x 3	o. r.	o. r.
1DEPDM114	1 1/4 nut 38 x 27 x 3	o. r.	o. r.
1DEPDM112	1 1/2 nut 44 x 32 x 3	o. r.	o. r.
1DEPDM134	1 3/4 nut 50 x 37 x 3	o. r.	o. r.
1DEPDM2	2 nut 55 x 42 x 3	o. r.	o. r.
1DEPDM238	2 3/8 nut 65 x 55 x 3	o. r.	o. r.
1DEPDM3	3 nut 85 x 70 x 3	o. r.	o. r.
1DEPDM312	3 1/2 nut 97 x 75 x 3	o. r.	o. r.

### FL-D

AUG 602

High-pressure flange seal, asbestos-free, suitable for weld neck, threaded, press and loose flanges, max. 400°C, resistant against water, vapour, fuels, diluted alkaline solutions, oils, gases (DVGW tested according to DIN 3535 Part 6). Dimensions according to DIN EN 1514 - 1. 2 mm thick for flanges. PN 10/16 = DIN EN 1092-1 and DIN EN 1092-2



Article No.	Dimension	Bag	Box
1D20	DN 20 (27 x 61 x 2 mm)	o. r.	200
1D25	DN 25 (34 x 71 x 2 mm)	o. r.	160
1D32	DN 32 (43 x 82 x 2 mm)	o. r.	120
1D40	DN 40 (49 x 92 x 2 mm)	o. r.	100
1D50	DN 50 (61 x 107 x 2 mm)	o. r.	120
1D65	DN 65 (77 x 127 x 2 mm)	o. r.	100
1D80	DN 80 (89 x 142 x 2 mm)	o. r.	80
1D100	DN 100 (115 x 168 x 2 mm)	o. r.	60

### 8981

AUG 556

Universal insulation plate for mounting on wall plates and double wall plates, also suitable for installation set



Article No.	Dimension	Bag	Box
88981	o. r.	1	30

### 8987

AUG 556

Sound insulation for wall plates 9472G & 91472G



Article No.	Dimension	Bag	Box
88987	15 x 1/2 + 18 x 1/2	6	30

### 4992

AUG 556

Insertion depth gauge for NiroSan® and NiroTherm®



Article No.	Dimension	Bag	Box
84992	12 - 108 mm	1	40





# PIPING SYSTEMS

## Stainless steel



## NiroTherm<sup>®</sup> Industry

### Series 98000

#### AREAS OF APPLICATION

- | Compressed Air
- | Technical gases
- | Cooling water pipes
- | Low pressure gas systems
- | Fuel oil
- | Diesel
- | Solar systems
- | District heating supply systems
- | Inert gases

More applications on demand



# NiroTherm® Industry

## Series 98000

The piping system consists of high-quality NiroTherm® Industry press fittings with a red sealing ring made from FKM (Fluoro carbon) and NiroTherm® stainless steel system pipes according to EN 10312.

The system is made from the material number 1.4301 (AISI 304). NiroTherm® Industry offers installers an attractive alternative for all situations in which cost, durability and corrosion resistance are key requirements.

NiroTherm® Industry system press fittings are marked on the outside with a read "HT" and a red dot.

### Operating conditions for NiroTherm® Industry press system from stainless steel

Water and aqueous solutions

Technical gases (non-toxic, non-flammable)

Outside pipe diameter	d ≤ 108 mm
Operating pressure	16 bar
Operating temperature NiroTherm® Industry press fittings with FKM sealing ring	-20 °C – +160 °C (depending on application)
Pipe thread	R/Rp thread according to EN 10226
Fastening thread	G-thread (union nut) according to ISO 228

All pipes are available in 3 and 6 m lengths.

Please pay particular attention to our technical documentation and installation instructions!  
Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

## FEATURES

### Tool compatibility and Push & Stay

- **Tool compatibility:** pressable with press jaws and slings with original SA, V and M profile up to and including 54 mm (with M and SA up to 108 mm).
- **Push & Stay:** Pipe is retained after locating into the SANHA fitting, this feature is inclusive on fittings up to 54 mm

### First class material, lower labour cost

- NiroTherm® Industry is especially useful where carbon steel systems cannot be installed or need to be heavily protected against corrosion.
- NiroTherm® Industry needs less protection as the material itself offers an additional layer of safety.

### Fast installation, no risk of fire

- The connection with stainless steel pipes by cold pressing enables a fast, time-saving installation and eliminates the risk of fire during the process.
- NiroTherm® piping systems are therefore ideally suited for renovation work.

### High corrosion resistance

- The premium stainless steel type 1.4301 (AISI 304) and the exceptionally smooth, passivated surface of pipes and fittings lead to an excellent corrosion resistance.

### Exceptional flexibility

- All dimensions from 15 to 108 mm
- Reliable, permanent connection with NiroTherm® and NiroSan® stainless steel system pipes:  
**Secure**, permanent connection with NiroSan® pipes  
**NiroTherm®** (1.4301/304), Optimised wall thickness, TIG welded, annealed for improved corrosion resistance
- Thread according to EN 10226 and ISO7/1 Type R and Rp
- Can also be combined with SANHA®-Therm carbon steel system pipes.

## Product catalogue | (Series 98000)

### 9100

AUG 480

NiroTherm® system pipe, material no. 1.4301 (304), reduced wall thickness, in 6 m rods, for cooling, compressed air, heating and industrial applications, in combination with SANHA®-Therm press fittings of 24000 series or NiroSan®-Press fittings of 9000 series



Article No.	Dimension	Bag*	Box
6910015	15 x 0.6	600	o.r.
6910018	18 x 0.7	348	o.r.
6910022	22 x 0.7	420	o.r.
6910028	28 x 0.8	240	o.r.
6910035	35 x 1.0	180	o.r.
6910042	42 x 1.1	120	o.r.
6910054	54 x 1.2	60	o.r.
6910076	76.1 x 1.5	30	o.r.
6910089	88.9 x 1.5	30	o.r.
69100108	108 x 1.5	30	o.r.
69100140	139.7 x 2.0	o.r.	o.r.
69100168	168.3	o.r.	o.r.

### 9150

AUG 480

NiroTherm® system pipe, material no. 1.4301 (304), reduced wall thickness, in 3 m rods, for cooling, compressed air, heating and industrial applications, in combination with SANHA®-Therm press fittings of 24000 series or NiroSan®-Press fittings of 9000 series



Article No.	Dimension	Bag*	Box
6915015	15 x 0.6	300	o.r.
6915018	18 x 0.7	120	o.r.
6915022	22 x 0.7	210	o.r.
6915028	28 x 0.8	120	o.r.
6915035	35 x 1.0	90	o.r.
6915042	42 x 1.1	60	o.r.
6915054	54 x 1.2	30	o.r.
6915076	76.1 x 1.5	15	o.r.
6915089	88.9 x 1.5	15	o.r.
69150108	108 x 1.5	15	o.r.

### 98001A

AUG 023

NiroTherm® Industry Bend 90°, female/male plain end



Article No.	Dimension	Bag	Box
698001A15	15	10	200
698001A18	18	10	150
698001A22	22	10	100
698001A28	28	5	60
698001A35	35	2	30
698001A42	42	2	20
698001A54	54	2	10
698001A76	76.1	1	4
698001A89	88.9	1	2
698001A108	108.0	1	1

### 98001L

AUG 023

NiroTherm® Industry Bend 90°, long, female/male plain end



Article No.	Dimension	Bag	Box
698001L15	15	10	150
698001L18	18	10	100
698001L22	22	10	60
698001L28	28	5	30
698001L35	35	2	16
698001L42	42	2	10
698001L54	54	2	6

### 98002A

AUG 023

NiroTherm® Industry Bend 90°, female/female end



Article No.	Dimension	Bag	Box
698002A15	15	10	200
698002A18	18	10	150
698002A22	22	10	100
698002A28	28	5	60
698002A35	35	2	30
698002A42	42	2	20
698002A54	54	2	10
698002A76	76.1	1	4
698002A89	88.9	1	2
698002A108	108.0	1	1

# NiroTherm® Industry

## Product catalogue | (Series 98000)

### 98002AG

AUG 023

NiroTherm® Industry Bend 90°, female end and male thread



Article No.	Dimension	Bag	Box
698002AG1512	15 x 1/2	10	120
698002AG1812	18 x 1/2	10	100
698002AG1834	18 x 3/4	10	80
698002AG2234	22 x 3/4	10	80
698002AG281	28 x 1	5	40
698002AG35114	35 x 1 1/4	2	20
698002AG42112	42 x 1 1/2	2	10
698002AG542	54 x 2	2	6

### 98002G

AUG 023

NiroTherm® Industry Bend 90°, female end and female thread



Article No.	Dimension	Bag	Box
698002G1512	15 x 1/2	10	100
698002G1812	18 x 1/2	10	70
698002G1834	18 x 3/4	10	70
698002G2234	22 x 3/4	10	60
698002G281	28 x 1	5	30
698002G35114	35 x 1 1/4	2	20

### 98002M

AUG 023

NiroTherm® Industry Bend 90°, nut, flat seal, female thread and female end



Article No.	Dimension	Bag	Box
698002M1534	15 x 3/4	10	100
698002M1834	18 x 3/4	10	100
698002M221	22 x 1	10	50
698002M28114	28 x 1 1/4	5	40

### 98040

AUG 023

NiroTherm® Industry Bend 45°, female/male plain end



Article No.	Dimension	Bag	Box
69804015	15	10	250
69804018	18	10	200
69804022	22	10	120
69804028	28	5	80
69804035	35	2	40
69804042	42	2	26
69804054	54	2	14
69804076	76	1	5
69804089	88.9	1	3
698040108	108.0	1	2

### 98041

AUG 023

NiroTherm® Industry Bend 45°, female/female end



Article No.	Dimension	Bag	Box
69804115	15	10	250
69804118	18	10	200
69804122	22	10	120
69804128	28	5	65
69804135	35	2	44
69804142	42	2	26
69804154	54	2	14
69804176	76	1	5
69804189	88.9	1	3
698041108	108.0	1	2

### 98085

AUG 023

NiroTherm® Industry Crossover, female/female end



Article No.	Dimension	Bag	Box
69808515	15	10	120
69808518	18	10	80
69808522	22	10	60
69808528	28	5	30

## Product catalogue | (Series 98000)

### 98090

AUG 023

NiroTherm® Industry Elbow 90°, female/female end



Article No.	Dimension	Bag	Box
69809022	22	10	100
69809028	28	5	60

### 98090IG

AUG 023

NiroTherm® Industry Elbow 90°, female end and female thread



Article No.	Dimension	Bag	Box
698090IG1512	15 x 1/2	10	180
698090IG1834	18 x 3/4	10	120
698090IG2234	22 x 3/4	10	100
698090IG281	28 x 1	5	50
698090IG3512	35 x 1/2	2	50
698090IG3534	35 x 3/4	2	50
698090IG35114	35 x 1 1/4	2	30

### 98092AG

AUG 023

NiroTherm® Industry Elbow 90°, female end and male thread



Article No.	Dimension	Bag	Box
698092AG1512	15 x 1/2	10	200
698092AG1834	18 x 3/4	10	120
698092AG2234	22 x 3/4	10	100
698092AG281	28 x 1	5	50
698092AG35114	35 x 1 1/4	2	40
698092AG42112	42 x 1 1/2	2	30
698092AG542	54 x 2	2	16

### 98130

AUG 023

NiroTherm® Industry Tee, female ends



Article No.	Dimension	Bag	Box
69813015	15	10	120
69813018	18	10	80
69813022	22	10	60
69813028	28	5	40
69813035	35	2	24

### 98130

AUG 023

NiroTherm® Industry Tee, female ends



Article No.	Dimension	Bag	Box
69813042	42	2	16
69813054	54	2	8
69813076	76.1	1	3
69813089	88.9	1	2
698130108	108.0	1	1
698130181515	18 x 15 x 15	10	120
698130181518	18 x 15 x 18	10	100
698130221515	22 x 15 x 15	10	100
698130221522	22 x 15 x 22	10	70
698130221818	22 x 18 x 18	10	80
698130221822	22 x 18 x 22	10	60
698130281528	28 x 15 x 28	5	50
698130281828	28 x 18 x 28	5	40
698130282222	28 x 22 x 22	5	60
698130282228	28 x 22 x 28	5	40
698130351535	35 x 15 x 35	2	30
698130351835	35 x 18 x 35	2	30
698130352235	35 x 22 x 35	2	26
698130352835	35 x 28 x 35	2	26
698130421842	42 x 18 x 42	2	22
698130422242	42 x 22 x 42	2	18
698130422842	42 x 28 x 42	2	18
698130423542	42 x 35 x 42	2	16
698130542254	54 x 22 x 54	2	10
698130542854	54 x 28 x 54	2	10
698130543554	54 x 35 x 54	2	8
698130544254	54 x 42 x 54	2	8
698130762276	76.1 x 22 x 76.1	1	5
698130762876	76.1 x 28 x 76.1	1	5
698130763576	76.1 x 35 x 76.1	1	5
698130764276	76.1 x 42 x 76.1	1	5
698130765476	76.1 x 54 x 76.1	1	4
698130892289	88.9 x 22 x 88.9	1	4
698130892889	88.9 x 28 x 88.9	1	4
698130893589	88.9 x 35 x 88.9	1	4
698130894289	88.9 x 42 x 88.9	1	3
698130895489	88.9 x 54 x 88.9	1	3
698130897689	88.9 x 76 x 88.9	1	2
69813010822108	108.0 x 22 x 108.0	1	2
69813010828108	108.0 x 28 x 108.0	1	2
69813010835108	108.0 x 35 x 108.0	1	2
69813010842108	108.0 x 42 x 108.0	1	2
69813010854108	108.0 x 54 x 108.0	1	1
69813010876108	108.0 x 76.1 x 108.0	1	1
69813010889108	108.0 x 88.9 x 108.0	1	1

# NiroTherm<sup>®</sup> Industry

## Product catalogue I (Series 98000)

### 98130G

AUG 023

NiroTherm<sup>®</sup> Industry Tee, female/female end and female thread



Article No.	Dimension	Bag	Box
698130G151215	15 x 1/2 x 15	10	80
698130G181218	18 x 1/2 x 18	10	80
698130G183418	18 x 3/4 x 18	10	70
698130G221222	22 x 1/2 x 22	5	60
698130G223422	22 x 3/4 x 22	10	50
698130G281228	28 x 1/2 x 28	5	40
698130G283428	28 x 3/4 x 28	5	40
698130G28128	28 x 1 x 28	5	40
698130G351235	35 x 1/2 x 35	2	30
698130G353435	35 x 3/4 x 35	2	30
698130G3511435	35 x 1 1/4 x 35	2	24
698130G421242	42 x 1/2 x 42	2	20
698130G423442	42 x 3/4 x 42	2	20
698130G4211242	42 x 1 1/2 x 42	2	12
698130G541254	54 x 1/2 x 54	2	12
698130G543454	54 x 3/4 x 54	2	12
698130G54254	54 x 2 x 54	2	8
698130G763476	76.1 x 3/4 x 76.1	1	4
698130G76176	76.1 x 1 x 76.1	1	4
698130G76276	76.1 x 2 x 76.1	1	4
698130G893489	88.9 x 3/4 x 88.9	1	4
698130G89289	88.9 x 2 x 88.9	1	4
698130G10834108	108.0 x 3/4 x 108.0	1	2
698130G1082108	108.0 x 2 x 108.0	1	2

### 98240

AUG 023

NiroTherm<sup>®</sup> Industry Reducing coupling, female/female end



Article No.	Dimension	Bag	Box
6982401815	18 x 15	10	200
6982402215	22 x 15	10	150
6982402218	22 x 18	10	150
6982402822	28 x 22	10	100

### 98243

AUG 023

NiroTherm<sup>®</sup> Industry Fitting reducer, with female end and male plain end



Article No.	Dimension	Bag	Box
6982431815	18a x 15	10	300
6982432215	22a x 15	10	200
6982432218	22a x 18	10	200
6982432815	28a x 15	5	120
6982432818	28a x 18	5	100
6982432822	28a x 22	5	120
6982433518	35a x 18	2	70
6982433522	35a x 22	2	70
6982433528	35a x 28	2	60
6982434222	42a x 22	2	40
6982434228	42a x 28	2	40
6982434235	42a x 35	2	40
6982435428	54a x 28	2	30
6982435435	54a x 35	2	30
6982435442	54a x 42	2	30
6982437654	76.1a x 54	2	16
6982438954	88.9a x 54	2	8
6982438976	88.9a x 76.1	2	8
69824310854	108.0a x 54	2	4
69824310876	108.0a x 76.1	2	4
69824310889	108.0a x 88.9	2	4

### 98243G

AUG 023

NiroTherm<sup>®</sup> Industry Adaptor, with female end and male thread



Article No.	Dimension	Bag	Box
698243G1538	15 x 3/8	10	300
698243G1512	15 x 1/2	10	250
698243G1534	15 x 3/4	10	200
698243G1812	18 x 1/2	10	250
698243G1834	18 x 3/4	10	170
698243G2212	22 x 1/2	10	180
698243G2234	22 x 3/4	10	150
698243G221	22 x 1	10	100
698243G2834	28 x 3/4	5	100
698243G281	28 x 1	5	90
698243G3512	35 x 1/2	2	70
698243G3534	35 x 3/4	2	60
698243G351	35 x 1	2	60
698243G35114	35 x 1 1/4	2	40
698243G4234	42 x 3/4	2	50

## Product catalogue I (Series 98000)

### 98243G

AUG 023

NiroTherm® Industry Adaptor, with female end and male thread



Article No.	Dimension	Bag	Box
698243G42112	42 x 1 1/2	2	30
698243G542	54 x 2	2	20
698243G76212	76 x 2 1/2	1	8
698243G893	88.9 x 3	1	6
698243G1084	108.0 x 4	1	4

### 98250

AUG 023

NiroTherm® Industry Adaptor, with female end and groove for tube coupling



Article No.	Dimension	Bag	Box
69825028337	28 x 33.7	5	80
69825035424	35 x 42.4	2	50
69825042483	42 x 48.3	2	40
69825054603	54 x 60.3	2	28
698250761761	76.1 x 76.1	1	10
698250889889	88.9 x 88.9	1	6
698250108114	108 x 114	1	5

### 98270

AUG 023

NiroTherm® Industry Coupling, female/female end



Article No.	Dimension	Bag	Box
69827015	15	10	300
69827018	18	10	200
69827022	22	10	150
69827028	28	5	80
69827035	35	2	50
69827042	42	2	30
69827054	54	2	24
69827076	76	1	10
69827089	88.9	1	6
698270108	108.0	1	4

### 98270G

AUG 023

NiroTherm® Industry Transition coupling, with female end and female thread



Article No.	Dimension	Bag	Box
698270G1512	15 x 1/2	10	200
698270G1534	15 x 3/4	10	180
698270G1812	18 x 1/2	10	200
698270G1834	18 x 3/4	10	170
698270G2212	22 x 1/2	10	170
698270G2234	22 x 3/4	10	150
698270G221	22 x 1	10	120
698270G2834	28 x 3/4	5	100
698270G281	28 x 1	5	80
698270G35114	35 x 1 1/4	2	36
698270G42112	42 x 1 1/2	2	28
698270G542	54 x 2	2	20

### 98270S

AUG 023

NiroTherm® Industry Slip coupling, female/female end



Article No.	Dimension	Bag	Box
698270S15	15	10	200
698270S18	18	10	150
698270S22	22	10	100
698270S28	28	5	80
698270S35	35	2	50
698270S42	42	2	40
698270S54	54	2	20
698270S76	76.1	1	10
698270S89	88.9	1	4
698270S108	108.0	1	3

### 98301

AUG 023

NiroTherm® Industry Cap, female end



Article No.	Dimension	Bag	Box
69830115	15	10	400
69830118	18	10	300
69830122	22	10	200
69830128	28	5	150
69830135	35	2	80
69830142	42	2	50

# NiroTherm® Industry

## Product catalogue I (Series 98000)

### 98301

AUG 023

NiroTherm® Industry Cap, female end



Article No.	Dimension	Bag	Box
69830154	54	2	30
69830176	76.1	1	20
69830189	88.9	1	14
698301108	108.0	1	10

### 98301E

AUG 023

NiroTherm® Industry Cap  
for de-aeration, female end



Article No.	Dimension	Bag	Box
698301E7634	76.1 x 3/4	1	18
698301E8934	88.9 x 3/4	1	8
698301E10834	108.0 x 3/4	1	6

### 98330

AUG 023

NiroTherm® Industry Union, flat seal,  
stainless steel nut, female/female end



Article No.	Dimension	Bag	Box
69833015	15	5	120
69833018	18	5	80
69833022	22	5	50
69833028	28	5	35
69833035	35	2	30
69833042	42	2	20
69833054	54	2	12

### 98330G

AUG 023

NiroTherm® Industry Union,  
flat seal, brass nut, female end  
and female thread



Article No.	Dimension	Bag	Box
698330G1534	15 x 3/4	5	100
698330G1834	18 x 3/4	5	80

### 98330G

AUG 023

NiroTherm® Industry Union,  
flat seal, brass nut, female end  
and female thread



Article No.	Dimension	Bag	Box
698330G2234	22 x 3/4	5	50
698330G221	22 x 1	5	50
698330G2834	28 x 3/4	5	50
698330G281	28 x 1	5	40
698330G35114	35 x 1 1/4	2	30
698330G42112	42 x 1 1/2	2	20
698330G542	54 x 2	2	12

### 98330GMVA

AUG 023

NiroTherm® Industry Union, flat seal,  
stainless steel nut, with female end  
and female thread



Article No.	Dimension	Bag	Box
698330GMVA1512	15 x 1/2	5	120
698330GMVA1534	15 x 3/4	5	100
698330GMVA1834	18 x 3/4	5	80
698330GMVA2234	22 x 3/4	5	50
698330GMVA221	22 x 1	5	50
698330GMVA2834	28 x 3/4	5	50
698330GMVA281	28 x 1	5	40
698330GMVA35114	35 x 1 1/4	2	30
698330GMVA42112	42 x 1 1/2	2	20
698330GMVA542	54 x 2	2	12

### 98333G

AUG 023

NiroTherm® Industry Union, flat seal,  
brass nut, female end and male thread



Article No.	Dimension	Bag	Box
698333G1512	15 x 1/2	5	150
698333G1534	15 x 3/4	5	120
698333G1812	18 x 1/2	5	100
698333G2234	22 x 3/4	5	60
698333G281	28 x 1	5	50
698333G35114	35 x 1 1/4	2	40
698333G42112	42 x 1 1/2	2	20
698333G542	54 x 2	2	12



## Product catalogue | (Series 98000)

### 98333GMVA

AUG 023

NiroTherm® Industry Union, flat seal, stainless steel nut, female end and male thread



Article No.	Dimension	Bag	Box
698333GMVA1512	15 x 1/2	5	150
698333GMVA1534	15 x 3/4	5	120
698333GMVA1812	18 x 1/2	5	100
698333GMVA2234	22 x 3/4	5	60
698333GMVA281	28 x 1	5	50
698333GMVA35114	35 x 1 1/4	2	40
698333GMVA42112	42 x 1 1/2	2	20
698333GMVA542	54 x 2	2	12

### 98359M

AUG 023

NiroTherm® Industry Union, flat seal, stainless steel nut, female/female end



Article No.	Dimension	Bag	Box
698359M1512	15 x 1/2	5	250
698359M1534	15 x 3/4	5	200
698359M1834	18 x 3/4	5	200
698359M221	22 x 1	5	130
698359M28114	28 x 1 1/4	5	50
698359M35112	35 x 1 1/2	2	50
698359M42134	42 x 1 3/4	2	34
698359M54238	54 x 2 3/8	2	20

### 98472G

AUG 023

NiroTherm® Industry Wall plate with universal flange, with female end and female thread



Article No.	Dimension	Bag	Box
698472G1512	15 x 1/2	10	90
698472G1812	18 x 1/2	10	80
698472G2234	22 x 3/4	10	60
698472G2834	28 x 3/4	5	50

### 98872L

AUG 023

NiroTherm® Industry Expansion joint



Article No.	Dimension	Bag	Box
698872L15	15	1	100
698872L18	18	1	120
698872L22	22	1	60
698872L28	28	1	40
698872L35	35	1	30
698872L42	42	1	20
698872L54	54	1	14
698872L76	76.1	1	5
698872L89	88.9	1	3
698872L108	108.0	1	2

### 98-VA-PF

AUG 023

NiroTherm® Industry Crimping flange, with female end, PN 10/16, for industrial applications



Article No.	Dimension	Bag	Box
698VAPF18	DN 15 / 18 mm	1	20
698VAPF22	DN 20 / 22 mm	1	16
698VAPF28	DN 25 / 28 mm	1	14
698VAPF35	DN 32 / 35 mm	1	10
698VAPF42	DN 40 / 42 mm	1	8
698VAPF54	DN 50 / 54 mm	1	3
698VAPF76	DN 65 / 76.1 mm	1	2
698VAPF89	DN 80 / 88.9 mm	1	2
698VAPF108	DN 100 / 108.0 mm	1	1

### 98-VA-PF-L4

AUG 023

NiroTherm® Industry Crimping flange, with female end, PN10/16, 4-hole



Article No.	Dimension	Bag	Box
698VAPF76L4	DN 65 / 76.1 mm	1	2

## Product catalogue I (Series 98000)

### FL-D

AUG 602

High-pressure flange seal, asbestos-free, suitable for weld neck, threaded, press and loose flanges, max. 400°C, resistant against water, vapour, fuels, diluted alkaline solutions, oils, gases (DVGW tested according to DIN 3535 Part 6). Dimensions according to DIN EN 1514 - 1. 2 mm thick for flanges. PN 10/16 = DIN EN 1092-1 and DIN EN 1092-2



Article No.	Dimension	Bag	Box
1D20	DN 20 (27 x 61 x 2 mm)	o.r.	200
1D25	DN 25 (34 x 71 x 2 mm)	o.r.	160
1D32	DN 32 (43 x 82 x 2 mm)	o.r.	120
1D40	DN 40 (49 x 92 x 2 mm)	o.r.	100
1D50	DN 50 (61 x 107 x 2 mm)	o.r.	120
1D65	DN 65 (77 x 127 x 2 mm)	o.r.	100
1D80	DN 80 (89 x 142 x 2 mm)	o.r.	80
1D100	DN 100 (115 x 168 x 2 mm)	o.r.	60

### DR-S

AUG 601

High temperature FKM seal



Article No.	Dimension	Bag	Box
DR12S01	12,10 x 2,50	20	o.r.
DR15S01	15,10 x 2,60	20	o.r.
DR18S01	18,20 x 2,65	20	o.r.
DR22S01	22,20 x 3,10	20	o.r.
DR28S01	28,30 x 3,10	20	o.r.
DR35S02	35,20 x 3,15	20	o.r.
DR42S02	42,20 x 4,00	20	o.r.
DR54S02	54,20 x 4,00	20	o.r.
DR64S01	65,00 x 6,00	5	o.r.
DR64S02	65,00 x 5,50	5	o.r.
DR667S01	68,00 x 6,00	5	o.r.
DR76S01	77,00 x 7,00	5	o.r.
DR89S01	90,00 x 7,60	5	o.r.
DR89S02	90,00 x 8,00	5	o.r.
DR108S01	110,00 x 9,00	5	o.r.
DR108S02	110,00 x 10,00	5	o.r.

### 8981

AUG 556

Universal insulation plate for mounting on wall plates and double wall plates, also suitable for installation set



Article No.	Dimension	Bag	Box
88981	o.r.	1	30

### 4992

AUG 556

Insertion depth gauge for NiroSan® and NiroTherm®



Article No.	Dimension	Bag	Box
84992	12 - 108 mm	1	40

# PIPING SYSTEMS

## Lead-free silicon bronze

The smart alternative to red brass



# PURAPRESS®

## Series 8000

**combipress**  
 = Tool Compatibility + Push & Stay  
 + Leak Path Feature  
**exclusive from SANHA**



### AREAS OF APPLICATION

- | Drinking water
- | Heating
- | Rainwater
- | Compressed air (oil ≤ 25 mg/m³)
- | Fire extinguishing system (wet)
- | Inert gases
- | Cooling water



# PURAPRESS®

## Series 8000

PURAPRESS® are unique modern premium transition press fittings for copper and stainless steel pipes made from completely lead-free silicon bronze CuSi (mat no CW724R). They are tested and approved for reliable connections with copper pipes according to EN 1057 and NiroSan® stainless steel system tubes and certified by all relevant national and international certification bodies.

Press fittings of the PURAPRESS® series are, just like our capillary fittings of the series PURAFIT, manufactured from lead-free premium material silicon bronze CuSi and therefore an excellent solution for non-lead contaminated drinking water installations. In this way, installers can always be certain that their installation does not contain lead and that they will not be subject to any legal claims should the strict lead tolerances in drinking water installations ever be exceeded. By providing this lead-free alternative to conventional materials, SANHA also satisfies the market demand for safe and healthy drinking water installations.

In combination with our tried and trusted NiroSan® stainless steel system pipes, PURAPRESS® premium fittings combine the well-known positive properties of corrosion resistant copper and stainless steel in terms of hygiene, corrosion resistance, long service life and sustainability while at the same time offering an extremely attractive economical solution.

Our system press fittings PURAPRESS® have been awarded the highly-coveted Plus X Award for functionality and high quality by a jury of renowned experts.

### Operating conditions for PURAPRESS® from lead-free silicon bronze for copper and NiroSan® stainless steel system pipes

Water and aqueous solutions

Technical gases (non-toxic, non-flammable)

Outside pipe diameter	$d \leq 108 \text{ mm}$
Operating pressure	16 bar
Operating temperature PURAPRESS® with EPDM sealing ring	-30 °C – +120 °C
Pipe thread	R/Rp thread according to En 10226
Fastening thread	G thread according to ISO 226

Please pay particular attention to our technical documentation and installation instructions!  
Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

## FEATURES

### Combipress

- **Tool compatibility:** pressable with press jaws and slings with original SA, V and M profile up to and including 54 mm (with M and SA up to 108 mm).
- **Leak path feature:** (certified forced leakage before pressing with EPDM and HNBR sealing rings) in combination with
- **Push & Stay:** Pipe is retained after locating into the SANHA fitting, this feature is inclusive on fittings up to 54 mm

### Lead-free silicon bronze CuSi

- The use of this exceptional, specially adapted material completely avoids any lead contamination of drinking water through the installation itself. Installers can therefore be certain when it comes to the strict regulations of the Drinking Water Directive regarding lead.

### Fast installation, no risk of fire

- The connection with stainless steel pipes by cold pressing enables a fast, time-saving installation and eliminates the risk of fire during the process. PURAPRESS® piping systems are therefore ideally suited for renovation work.

### Hygienic premium solution, high corrosion resistance:

- Our premium material silicon bronze CuSi is exceptionally resistant against dezincification and free of tension-crack corrosion – equivalent to red brass. The smooth, passivated surface and dezincification resistance make PURAPRESS® an excellent solution in terms of hygiene since bio-films and particles are considerably less likely to adhere to the inner surface.

### Exceptional flexibility

- All dimensions from 12 to 108 mm including 64 and 67 mm available
- Reliable, permanent connection with NiroSan® stainless steel system pipes:  
**copper pipes** according to EN 1057.  
**NiroSan®** (1.4404/316L), TIG-welded, annealed, low carbon, high ( $\geq 2.3 \%$ ) molybdenum content for increased corrosion resistance. Labelled in black lettering.  
**NiroSan® ECO** (1.4404/316L), Optimised wall thickness, TIG-welded, annealed, low carbon, high ( $\geq 2.3 \%$ ) molybdenum content for increased corrosion resistance.  
**NiroSan®-F** (1.4521/444), TIG-welded, pickled for improved corrosion resistance, nickel-free
- Thread according to EN 10226 and/or ISO7/1 Typ R and Rp

## Product catalogue | (Series 8000)

### 8090G

AUG 002

PURAPRESS® Elbow 90°,  
female end and female thread



Article No.	Dimension	Bag	Box
180901238	12 x 3/8	10	150
180901212	12 x 1/2	10	150
180901412	14 x 1/2	10	150
180901538	15 x 3/8	10	150
180901512	15 x 1/2	10	150
180901534	15 x 3/4	10	100
180901612	16 x 1/2	10	150
180901812	18 x 1/2	10	150
180901834	18 x 3/4	10	100
180902212	22 x 1/2	10	100
180902234	22 x 3/4	10	80
18090221	22 x 1	10	40
180902812	28 x 1/2	5	60
180902834	28 x 3/4	5	50
18090281	28 x 1	5	30
1809035114	35 x 1 1/4	2	20
1809042112	42 x 1 1/2	2	12
18090542	54 x 2	2	6

### 8092G

AUG 002

PURAPRESS® Elbow 90°,  
female end and male thread



Article No.	Dimension	Bag	Box
180921238	12 x 3/8	10	250
180921212	12 x 1/2	10	250
180921412	14 x 1/2	10	200
180921538	15 x 3/8	10	200
180921512	15 x 1/2	10	200
180921612	16 x 1/2	10	150
180921812	18 x 1/2	10	160
180921834	18 x 3/4	10	120
180922212	22 x 1/2	10	100
180922234	22 x 3/4	10	80
18092221	22 x 1	10	60
18092281	28 x 1	5	50
1809235114	35 x 1 1/4	2	30
1809242112	42 x 1 1/2	2	12
18092542	54 x 2	2	10

### 8096G

AUG 002

PURAPRESS® Elbow union,  
flat sealing, female end  
and female thread



Article No.	Dimension	Bag	Box
180961512	15 x 1/2	5	100
180961812	18 x 1/2	5	80
180961834	18 x 3/4	5	50
180962234	22 x 3/4	5	50
18096221	22 x 1	5	25
18096281	28 x 1	5	25
1809635114	35 x 1 1/4	2	16
1809642112	42 x 1 1/2	2	10
18096542	54 x 2	2	6

### 8130G

AUG 002

PURAPRESS® Tee, female/female end  
and female thread



Article No.	Dimension	Bag	Box
181301212	12 x 1/2 x 12	10	120
181301412	14 x 1/2 x 14	10	120
181301538	15 x 3/8 x 15	10	100
181301512	15 x 1/2 x 15	10	100
181301612	16 x 1/2 x 16	10	100
181301812	18 x 1/2 x 18	10	90
181302212	22 x 1/2 x 22	10	60
181302234	22 x 3/4 x 22	10	50
181302812	28 x 1/2 x 28	5	40
181302834	28 x 3/4 x 28	5	40
181303512	35 x 1/2 x 35	2	30
18130351	35 x 1 x 35	2	20
181304212	42 x 1/2 x 42	2	18
181305412	54 x 1/2 x 54	2	10

### 8243G

AUG 002

PURAPRESS® Adaptor,  
with female end and male thread



Article No.	Dimension	Bag	Box
182431238	12 x 3/8	10	400
182431212	12 x 1/2	10	300
182431438	14 x 3/8	10	400
182431412	14 x 1/2	10	250
182431538	15 x 3/8	10	400

## Product catalogue | (Series 8000)

### 8243G

AUG 002

PURAPRESS® Adaptor,  
with female end and male thread



Article No.	Dimension	Bag	Box
182431512	15 x 1/2	10	250
182431534	15 x 3/4	10	180
182431612	16 x 1/2	10	250
182431634	16 x 3/4	10	200
182431812	18 x 1/2	10	200
182431834	18 x 3/4	10	150
182432212	22 x 1/2	10	150
182432234	22 x 3/4	10	120
18243221	22 x 1	10	80
182432834	28 x 3/4	5	100
18243281	28 x 1	5	80
1824328114	28 x 1 1/4	5	50
18243351	35 x 1	2	60
1824335114	35 x 1 1/4	2	40
1824335112	35 x 1 1/2	2	44
1824342114	42 x 1 1/4	2	30
1824342112	42 x 1 1/2	2	30
1824354112	54 x 1 1/2	2	20
18243542	54 x 2	2	16
1824364212	64 x 2 1/2	1	10
1824367212	67 x 2 1/2	1	10
1824376212	76.1 x 2 1/2	1	5
18243763	76.1 x 3	1	5
18243893	88.9 x 3	1	4
182431084	108.0 x 4	1	2

### 8246G

AUG 002

PURAPRESS® Transition element,  
with male plain end and female thread



Article No.	Dimension	Bag	Box
182461212	12a x 1/2	10	250
182461538	15a x 3/8	10	250
182461512	15a x 1/2	10	200
182461812	18a x 1/2	10	200
182461834	18a x 3/4	10	150
182462212	22a x 1/2	10	200
182462234	22a x 3/4	10	120
182462834	28a x 3/4	5	120
18246281	28a x 1	5	80
1824635114	35a x 1 1/4	2	40
1824642112	42a x 1 1/2	2	26
18246542	54a x 2	2	16

### 8270G

AUG 002

PURAPRESS® Transition coupling, with  
female end and female thread



Article No.	Dimension	Bag	Box
182701238	12 x 3/8	10	400
182701212	12 x 1/2	10	300
182701438	14 x 3/8	10	300
182701412	14 x 1/2	10	250
182701538	15 x 3/8	10	300
182701512	15 x 1/2	10	250
182701534	15 x 3/4	10	150
182701612	16 x 1/2	10	250
182701634	16 x 3/4	10	150
182701812	18 x 1/2	10	200
182701834	18 x 3/4	10	150
182702212	22 x 1/2	10	150
182702234	22 x 3/4	10	120
18270221	22 x 1	10	80
182702834	28 x 3/4	5	100
18270281	28 x 1	5	70
1827028114	28 x 1 1/4	5	40
18270351	35 x 1	2	60
1827035114	35 x 1 1/4	2	40
1827035112	35 x 1 1/2	2	30
1827042114	42 x 1 1/4	2	30
1827042112	42 x 1 1/2	2	30
1827054112	54 x 1 1/2	2	24
18270542	54 x 2	2	20
1827064212	64 x 2 1/2	1	10
1827067212	67 x 2 1/2	1	10
1827076212	76.1 x 2 1/2	1	5
18270893	88.9 x 3	1	3

### 8270FC2

AUG 002

PURAPRESS® MultiPort coupling,  
with femal ends and 2 ports



Article No.	Dimension	Bag	Box
18270FC26712	67 x 1/2	1	6
18270FC27612	76.1 x 1/2	1	5

## Product catalogue | (Series 8000)

### 8270FC3

AUG 002

PURAPRESS® MultiPort coupling, with femal ends and 3 ports



Article No.	Dimension	Bag	Box
18270FC38934	88.9 x 3/4	1	3

### 8270FC4

AUG 002

PURAPRESS® MultiPort coupling, with femal ends and 4 ports



Article No.	Dimension	Bag	Box
18270FC410834	108.0 x 3/4	1	2

### 8280G

AUG 002

PURAPRESS® Adaptor, with male plain end and male thread



Article No.	Dimension	Bag	Box
182801212	12a x 1/2	10	350
182801538	15a x 3/8	10	350
182801512	15a x 1/2	10	350
182801812	18a x 1/2	10	250
182801834	18a x 3/4	10	150
182802212	22a x 1/2	10	150
182802234	22a x 3/4	10	150
182802221	22a x 1	10	o.r.
182802834	28a x 3/4	5	100
18280281	28a x 1	5	60
1828035114	35a x 1 1/4	2	40
1828042112	42a x 1 1/2	2	30
18280542	54a x 2	2	16

### 8330

AUG 002

PURAPRESS® Union, flat sealing, with female ends



Article No.	Dimension	Bag	Box
1833015	15	5	100
1833018	18	5	100
1833022	22	5	60
1833028	28	5	40

### 8330

AUG 002

PURAPRESS® Union, flat sealing, with female ends



Article No.	Dimension	Bag	Box
1833035	35	2	30
1833042	42	2	18
1833054	54	2	10

### 8330G

AUG 002

PURAPRESS® Union, flat sealing, with female end and female thread



Article No.	Dimension	Bag	Box
183301512	15 x 1/2	5	120
183301534	15 x 3/4	5	80
183301812	18 x 1/2	5	120
183301834	18 x 3/4	5	80
183302234	22 x 3/4	5	60
18330221	22 x 1	5	50
183302834	28 x 3/4	5	40
18330281	28 x 1	5	40
1833035114	35 x 1 1/4	2	30
1833042112	42 x 1 1/2	2	20
18330542	54 x 2	2	10

### 8333G

AUG 002

PURAPRESS® Union, flat sealing, with female end and male thread



Article No.	Dimension	Bag	Box
183331238	12 x 3/8	5	150
183331212	12 x 1/2	5	150
183331512	15 x 1/2	5	120
183331534	15 x 3/4	5	100
183331812	18 x 1/2	5	100
183331834	18 x 3/4	5	80
183332212	22 x 1/2	5	60
183332234	22 x 3/4	5	60
18333221	22 x 1	5	60
183332834	28 x 3/4	5	40
18333281	28 x 1	5	40
1833335114	35 x 1 1/4	2	20
1833342112	42 x 1 1/2	2	12
18333542	54 x 2	2	8

## Product catalogue | (Series 8000)

### 8359G

AUG 002

PURAPRESS® Union adaptor,  
flat sealing, female end



Article No.	Dimension	Bag	Box
183591212	12 x 1/2	5	350
183591234	12 x 3/4	5	200
183591438	14 x 3/8	5	300
183591412	14 x 1/2	5	250
183591534	15 x 3/4	5	200
18359151	15 x 1	5	120
183591634	16 x 3/4	5	200
183591834	18 x 3/4	5	160
18359181	18 x 1	5	120
183592234	22 x 3/4	5	120
18359221	22 x 1	5	100
1835922114	22 x 1 1/4	5	80
1835922112	22 x 1 1/2	5	60
1835928114	28 x 1 1/4	5	80
1835928112	28 x 1 1/2	5	50
1835935112	35 x 1 1/2	2	40
18359352	35 x 2	2	30
1835942134	42 x 1 3/4	2	30
18359422	42 x 2	2	30
1835954238	54 x 2 3/8	2	16
18359763	76.1 x 3	1	10
1835989312	88.9 x 3 1/2	1	6

### 8472G

AUG 002

PURAPRESS® Wall plate,  
with female end and female thread



Article No.	Dimension	Bag	Box
184721212	12 x 1/2	10	120
184721412	14 x 1/2	10	100
184721512	15 x 1/2	10	100
184721612	16 x 1/2	10	100
184721812	18 x 1/2	10	90
184721834	18 x 3/4	10	60
184722212	22 x 1/2	10	60
184722234	22 x 3/4	10	60

### 8478GZ

AUG 002

PURAPRESS® Double wall plate  
with female end and female thread



Article No.	Dimension	Bag	Box
18478GZ151215	15 x 1/2 x 15	1	15
18478GZ151216	15 x 1/2 x 16	1	o.r.
18478GZ151218	15 x 1/2 x 18	1	20
18478GZ151222	15 x 1/2 x 22	1	o.r.
18478GZ161216	16 x 1/2 x 16	1	o.r.
18478GZ161218	16 x 1/2 x 18	1	o.r.
18478GZ161222	16 x 1/2 x 22	1	o.r.
18478GZ181215	18 x 1/2 x 15	1	15
18478GZ181218	18 x 1/2 x 18	1	15
18478GZ181222	18 x 1/2 x 22	1	15
18478GZ221215	22 x 1/2 x 15	1	15
18478GZ221218	22 x 1/2 x 18	1	15
18478GZ221222	22 x 1/2 x 22	1	15

### 3514

AUG 112

PURAFIT® Extension piece  
for wall bushing



Article No.	Dimension	Bag	Box
13514341218	G3/4 x R1/2 x 18	10	200
13514341230	G3/4 x R1/2 x 30	10	150
13514341245	G3/4 x R1/2 x 45	10	100

### 912

AUG 031

Mounting kit wall bushing,  
brass nut and sealing rings



Article No.	Dimension	Bag	Box
291234	3/4	1	180

### 8976G

AUG 002

PURAPRESS® Mounting unit,  
female solder ends and female threads



Article No.	Dimension	Bag	Box
189761512	15 x 1/2	o.r.	20



## Product catalogue I (Series 8000)

### 8980G

AUG 002

PURAPRESS® Installation set for fastening wall plates



Article No.	Dimension	Bag	Box
18980G1512	15 x 1/2	1	10
18980G1812	18 x 1/2	1	10
18980G2212	22 x 1/2	1	10

### 8981G

AUG 002

PURAPRESS® Installation set for fastening double wall plates



Article No.	Dimension	Bag	Box
18981G151215	15 x 1/2 x 15	1	o.r.
18981G151218	15 x 1/2 x 18	1	o.r.
18981G151222	15 x 1/2 x 22	1	o.r.
18981G181215	18 x 1/2 x 15	1	o.r.
18981G181218	18 x 1/2 x 18	1	o.r.
18981G181222	18 x 1/2 x 22	1	o.r.
18981G221215	22 x 1/2 x 15	1	o.r.
18981G221218	22 x 1/2 x 18	1	o.r.
18981G221222	22 x 1/2 x 22	1	o.r.

### PURA-PF

AUG 002

PURAPRESS® Crimping flange, with female end, PN 10/16



Article No.	Dimension	Bag	Box
1PURAPF28	DN 25 / 28 mm	1	5
1PURAPF35	DN 32 / 35 mm	1	3
1PURAPF42	DN 40 / 42 mm	1	3
1PURAPF54	DN 50 / 54 mm	1	2
1PURAPF64	DN - / 64 mm	1	4
1PURAPF67	DN - / 67 mm	1	4
1PURAPF76	DN 65 / 76.1 mm	1	3
1PURAPF76_DN80	DN 80 / 76.1 mm	1	3
1PURAPF89	DN 80 / 88.9 mm	1	3
1PURAPF108	DN 100 / 108.0 mm	1	2

### FL-D

AUG 602

High-pressure flange seal, asbestos-free, suitable for weld neck, threaded, press and loose flanges, max. 400°C, resistant against water, vapour, fuels, diluted alkaline solutions, oils, gases (DVGW tested according to DIN 3535 Part 6). Dimensions according to DIN EN 1514 - 1.2 mm thick for flanges. PN 10/16 = DIN EN 1092-1 and DIN EN 1092-2



Article No.	Dimension	Bag	Box
1D20	DN 20 (27 x 61 x 2 mm)	o.r.	200
1D25	DN 25 (34 x 71 x 2 mm)	o.r.	160
1D32	DN 32 (43 x 82 x 2 mm)	o.r.	120
1D40	DN 40 (49 x 92 x 2 mm)	o.r.	100
1D50	DN 50 (61 x 107 x 2 mm)	o.r.	120
1D65	DN 65 (77 x 127 x 2 mm)	o.r.	100
1D80	DN 80 (89 x 142 x 2 mm)	o.r.	80
1D100	DN 100 (115 x 168 x 2 mm)	o.r.	60

### 8983

AUG 556

Sound insulation for wall plates 8478GZ



Article No.	Dimension	Bag	Box
88983	o.r.	6	30

### 8985

AUG 556

Sound insulation for wall plates 8472G



Article No.	Dimension	Bag	Box
88985	15 x 1/2 + 18 x 1/2	6	30

### 8986

AUG 556

Sound insulation for wall plates 25473G



Article No.	Dimension	Bag	Box
88986	16 x 1/2 + 20 x 1/2	6	30

## Product catalogue I (Series 8000)

**4993**

AUG 556

Insertion depth gauge  
for SANHA®-Press, PURAPRESS®  
and SANHA®-Therm



Article No.	Dimension	Bag	Box
84993	12 - 108 mm	1	40

# PIPING SYSTEMS

## Copper



### SANHA<sup>®</sup>-Press

#### Series 6000

**combipress**  
 = Tool Compatibility + Push & Stay  
 + Leak Path Feature  
**exclusive from SANHA**

#### AREAS OF APPLICATION

- | Drinking water
- | Heating
- | Rainwater
- | Compressed air (oil ≤ 25 mg/m<sup>3</sup>)
- | Fire extinguishing system (wet)
- | Ship building
- | Inert gases
- | Cooling water



# SANHA<sup>®</sup>-Press

## Series 6000

System press fittings from copper for copper pipes according to EN 1057 for drinking water and heating installations. SANHA<sup>®</sup>-Press system fittings are well known for outstanding quality, easy to work with and offer the right solution for a wide range of applications, be they residential or office buildings. They can be ideally combined with our unique PURAPRESS<sup>®</sup> series 8000 made of completely lead-free copper alloy silicon bronze. They come with black moulded sealing rings made of EPDM.

All system press fittings of our series 6000 are tested and certified by all relevant national and international certification bodies.

**Operating conditions SANHA<sup>®</sup>-Press from copper**  
Water and aqueous solutions  
Technical gases (non-toxic, non-flammable)

Outside pipe diameter	d ≤ 108 mm
Operating pressure	16 bar
Operating temperature SANHA <sup>®</sup> -Press with black EPDM sealing ring	-30 °C – +120 °C
Pipe thread	R/Rp thread according to EN 10226
Fastening thread	G thread according to ISO 228

Please pay particular attention to our technical documentation and installation instructions!  
Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

### FEATURES

#### Combipress

- **Tool compatibility:** pressable with press jaws and slings with original SA, V and M profile up to and including 54 mm (with M and SA up to 108 mm).
- **Leak path feature:** (certified forced leakage before pressing with EPDM and HNBR sealing rings) in combination with
- **Push & Stay:** Pipe is retained after locating into the SANHA fitting, this feature is inclusive on fittings up to 54 mm

#### Fast installation, no risk of fire

- The connection with stainless steel pipes by cold pressing enables a fast, time-saving installation and eliminates the risk of fire during the process. SANHA<sup>®</sup>-Press piping systems are therefore ideally suited for renovation work.

#### High corrosion resistance

- The exceptionally smooth, passivated surface of pipes and fittings leads to an excellent corrosion resistance.

#### Exceptional flexibility

- All dimensions from 12 to 108 mm including 64 and 67 mm available
- Reliable, permanent connection with copper pipes according to EN 1057
- Thread according to EN 10226 and/or ISO7/1 Typ R and Rp

## Product catalogue | (Series 6000)

### 6001A

AUG 001

SANHA<sup>®</sup>-Press Bend 90°,  
female/male plain end



Article No.	Dimension	Bag	Box
16001A12	12	10	500
16001A14	14	10	400
16001A15	15	10	350
16001A16	16	10	300
16001A18	18	10	250
16001A22	22	10	130
16001A28	28	5	75
16001A35	35	2	40
16001A42	42	2	22
16001A54	54	2	10
16001A64	64	1	8
16001A67	67	1	8
16001A76	76.1	1	5
16001A89	88.9	1	3
16001A108	108.0	1	1

### 6001L

AUG 001

SANHA<sup>®</sup>-Press Bend 90°,  
long, female/male plain end



Article No.	Dimension	Bag	Box
16001L15	15	10	250

### 6002A

AUG 001

SANHA<sup>®</sup>-Press Bend 90°,  
female/female end



Article No.	Dimension	Bag	Box
16002A12	12	10	500
16002A14	14	10	350
16002A15	15	10	300
16002A16	16	10	300
16002A18	18	10	200
16002A22	22	10	130
16002A28	28	5	80
16002A35	35	2	40
16002A42	42	2	24
16002A54	54	2	10
16002A64	64	1	8
16002A67	67	1	6

### 6002A

AUG 001

SANHA<sup>®</sup>-Press Bend 90°,  
female/female end



Article No.	Dimension	Bag	Box
16002A76	76.1	1	4
16002A89	88.9	1	2
16002A108	108.0	1	1

### 6040

AUG 001

SANHA<sup>®</sup>-Press Bend 45°,  
female/male plain end



Article No.	Dimension	Bag	Box
1604012	12	10	600
1604014	14	10	400
1604015	15	10	400
1604016	16	10	400
1604018	18	10	300
1604022	22	10	180
1604028	28	5	90
1604035	35	2	50
1604042	42	2	30
1604054	54	2	14
1604064	64	1	12
1604067	67	1	10
1604076	76.1	1	6
1604089	88.9	1	3
16040108	108.0	1	2

### 6041

AUG 001

SANHA<sup>®</sup>-Press Bend 45°,  
female/female end



Article No.	Dimension	Bag	Box
1604112	12	10	600
1604114	14	10	400
1604115	15	10	350
1604116	16	10	400
1604118	18	10	250
1604122	22	10	160
1604128	28	5	100
1604135	35	2	50
1604142	42	2	30
1604154	54	2	14

# SANHA<sup>®</sup>-Press

## Product catalogue | (Series 6000)

### 6041

AUG 001

SANHA<sup>®</sup>-Press Bend 45°, female/female end



Article No.	Dimension	Bag	Box
1604164	64	1	10
1604167	67	1	12
1604176	76.1	1	6
1604189	88.9	1	3
16041108	108.0	1	2

### 6085

AUG 001

SANHA<sup>®</sup>-Press Crossover, female/female end



Article No.	Dimension	Bag	Box
1608512	12	10	200
1608514	14	10	200
1608515	15	10	150
1608516	16	10	150
1608518	18	10	90
1608522	22	10	50
1608528	28	5	35

### 6086

AUG 001

SANHA<sup>®</sup>-Press Crossover, female/male plain end



Article No.	Dimension	Bag	Box
1608612	12	10	300
1608614	14	10	200
1608615	15	10	200
1608616	16	10	200
1608618	18	10	150
1608622	22	10	80
1608628	28	5	40

### 6130

AUG 001

SANHA<sup>®</sup>-Press Tee, female ends



Article No.	Dimension	Bag	Box
1613012	12	10	350
1613014	14	10	250
1613015	15	10	200
1613016	16	10	200
1613018	18	10	150
1613022	22	10	80
1613028	28	5	60
1613035	35	2	30
1613042	42	2	22
1613054	54	2	10
1613064	64	1	6
1613067	67	1	6
1613076	76.1	1	3
1613089	88.9	1	2
16130108	108.0	1	1
16130121512	12 x 15 x 12	10	300
16130141214	14 x 12 x 14	10	300
16130151212	15 x 12 x 12	10	300
16130151215	15 x 12 x 15	10	280
16130151512	15 x 15 x 12	10	250
16130151815	15 x 18 x 15	10	180
16130152215	15 x 22 x 15	10	120
16130161216	16 x 12 x 16	10	250
16130161414	16 x 14 x 14	10	250
16130161416	16 x 14 x 16	10	250
16130181215	18 x 12 x 15	10	200
16130181218	18 x 12 x 18	10	200
16130181418	18 x 14 x 18	10	200
16130181515	18 x 15 x 15	10	200
16130181518	18 x 15 x 18	10	180
16130181618	18 x 16 x 18	10	180
16130181815	18 x 18 x 15	10	180
16130182218	18 x 22 x 18	10	90
16130221222	22 x 12 x 22	10	130
16130221422	22 x 14 x 22	10	120
16130221515	22 x 15 x 15	10	150
16130221518	22 x 15 x 18	10	150
16130221522	22 x 15 x 22	10	120
16130221622	22 x 16 x 22	10	120
16130221815	22 x 18 x 15	10	140
16130221818	22 x 18 x 18	10	130
16130221822	22 x 18 x 22	10	120
16130222215	22 x 22 x 15	10	100
16130222218	22 x 22 x 18	10	100

## Product catalogue | (Series 6000)

### 6130

AUG 001

SANHA®-Press Tee, female ends



Article No.	Dimension	Bag	Box
16130222822	22 x 28 x 22	5	70
16130281428	28 x 14 x 28	5	80
16130281522	28 x 15 x 22	5	80
16130281528	28 x 15 x 28	5	80
16130281628	28 x 16 x 28	5	80
16130281822	28 x 18 x 22	5	90
16130281828	28 x 18 x 28	5	70
16130282222	28 x 22 x 22	5	70
16130282228	28 x 22 x 28	5	60
16130282815	28 x 28 x 15	5	60
16130282818	28 x 28 x 18	5	60
16130282822	28 x 28 x 22	5	70
16130283528	28 x 35 x 28	2	40
16130351535	35 x 15 x 35	2	50
16130351835	35 x 18 x 35	2	50
16130352222	35 x 22 x 22	2	50
16130352228	35 x 22 x 28	2	40
16130352235	35 x 22 x 35	2	40
16130352828	35 x 28 x 28	2	44
16130352835	35 x 28 x 35	2	36
16130353522	35 x 35 x 22	2	40
16130353528	35 x 35 x 28	2	30
16130421542	42 x 15 x 42	2	30
16130422242	42 x 22 x 42	2	30
16130422842	42 x 28 x 42	2	26
16130423535	42 x 35 x 35	2	24
16130423542	42 x 35 x 42	2	24
16130542254	54 x 22 x 54	2	14
16130542854	54 x 28 x 54	2	12
16130543554	54 x 35 x 54	2	12
16130544254	54 x 42 x 54	2	12
16130644264	64 x 42 x 64	1	10
16130645464	64 x 54 x 64	1	8
16130672867	67 x 28 x 67	1	10
16130673567	67 x 35 x 67	1	10
16130674267	67 x 42 x 67	1	8
16130675467	67 x 54 x 67	1	8
16130762276	76.1 x 22 x 76.1	1	8
16130762876	76.1 x 28 x 76.1	1	8
16130763576	76.1 x 35 x 76.1	1	6
16130764276	76.1 x 42 x 76.1	1	6
16130765476	76.1 x 54 x 76.1	1	6
16130766476	76.1 x 64 x 76.1	1	6
16130766776	76.1 x 67 x 76.1	1	6

### 6130

AUG 001

SANHA®-Press Tee, female ends



Article No.	Dimension	Bag	Box
16130895489	88.9 x 54 x 88.9	1	3
16130896489	88.9 x 64 x 88.9	1	3
16130897689	88.9 x 76.1 x 88.9	1	2
1613010854108	108.0 x 54 x 108.0	1	2
1613010864108	108.0 x 64 x 108.0	1	2
1613010867108	108.0 x 67 x 108.0	1	2
1613010876108	108.0 x 76.1 x 108.0	1	2
1613010889108	108.0 x 88.9 x 108.0	1	1

### 6130L

AUG 001

SANHA®-Press Tee, long, female ends



Article No.	Dimension	Bag	Box
16130L15	15	10	200

### 6240

AUG 001

SANHA®-Press Reducing coupling, female/female end



Article No.	Dimension	Bag	Box
162401412	14 x 12	10	500
162401512	15 x 12	10	600
162401514	15 x 14	10	400
162401614	16 x 14	10	400
162401812	18 x 12	10	400
162401814	18 x 14	10	350
162401815	18 x 15	10	350
162401816	18 x 16	10	350
162402214	22 x 14	10	250
162402215	22 x 15	10	250
162402216	22 x 16	10	250
162402218	22 x 18	10	250
162402815	28 x 15	5	160
162402818	28 x 18	5	150
162402822	28 x 22	5	125
162403522	35 x 22	2	100
162403528	35 x 28	2	80
162404222	42 x 22	2	70
162404228	42 x 28	2	60

# SANHA®-Press

## Product catalogue | (Series 6000)

### 6240

AUG 001

SANHA®-Press Reducing coupling, female/female end



Article No.	Dimension	Bag	Box
162404235	42 x 35	2	44
162405428	54 x 28	2	28
162405435	54 x 35	2	24
162405442	54 x 42	2	24

### 6243

AUG 001

SANHA®-Press Fitting reducer, with female end and male plain end



Article No.	Dimension	Bag	Box
162431412	14a x 12	10	600
162431512	15a x 12	10	600
162431612	16a x 12	10	600
162431614	16a x 14	10	500
162431812	18a x 12	10	500
162431814	18a x 14	10	500
162431815	18a x 15	10	360
162431816	18a x 16	10	360
162432214	22a x 14	10	350
162432215	22a x 15	10	350
162432216	22a x 16	10	350
162432218	22a x 18	10	300
162432814	28a x 14	5	250
162432815	28a x 15	5	200
162432816	28a x 16	5	250
162432818	28a x 18	5	200
162432822	28a x 22	5	150
162433522	35a x 22	2	100
162433528	35a x 28	2	100
162434222	42a x 22	2	70
162434228	42a x 28	2	70
162434235	42a x 35	2	60
162435435	54a x 35	2	40
162435442	54a x 42	2	36
162436442	64a x 42	1	24
162436454	64a x 54	1	15
162436728	67a x 28	1	20
162436735	67a x 35	1	20

### 6243

AUG 001

SANHA®-Press Fitting reducer, with female end and male plain end



Article No.	Dimension	Bag	Box
162436742	67a x 42	1	18
162436754	67a x 54	1	16
162437635	76.1a x 35	1	15
162437642	76.1a x 42	1	15
162437654	76.1a x 54	1	12
162437667	76.1a x 67	1	15
162438954	88.9a x 54	1	10
162438964	88.9a x 64	1	10
162438976	88.9a x 76.1	1	10
1624310842	108.0a x 42	1	4
1624310854	108.0a x 54	1	4
1624310864	108.0a x 64	1	4
1624310867	108.0a x 67	1	4
1624310876	108.0a x 76.1	1	4
1624310889	108.0a x 88.9	1	4

### 6270

AUG 001

SANHA®-Press Coupling, female/female end



Article No.	Dimension	Bag	Box
1627012	12	10	600
1627014	14	10	550
1627015	15	10	500
1627016	16	10	400
1627018	18	10	300
1627022	22	10	200
1627028	28	5	125
1627035	35	2	80
1627042	42	2	40
1627054	54	2	28
1627064	64	1	20
1627067	67	1	14
1627076	76.1	1	10
1627089	88.9	1	6
16270108	108.0	1	4



## Product catalogue I (Series 6000)

### 6270S

AUG 001

SANHA®-Press Slip coupling, female/female end



Article No.	Dimension	Bag	Box
16270S12	12	10	700
16270S15	15	10	300
16270S18	18	10	250
16270S22	22	10	150
16270S28	28	5	100
16270S35	35	2	50
16270S42	42	2	30
16270S54	54	2	16
16270S64	64	1	20
16270S67	67	1	15
16270S76	76.1	1	10
16270S89	88.9	1	6
16270S108	108.0	1	4

### 6301

AUG 001

SANHA®-Press Cap, female end



Article No.	Dimension	Bag	Box
1630112	12	10	1000
1630114	14	10	900
1630115	15	10	800
1630116	16	10	800
1630118	18	10	700
1630122	22	10	300
1630128	28	5	250
1630135	35	2	120
1630142	42	2	90
1630154	54	2	40
1630164	64	1	30
1630167	67	1	30
1630176	76.1	1	20
1630189	88.9	1	14
16301108	108.0	10	10

### BM-PF

AUG 002

SANHA®-Press Bimetallic crimping flange, with female end, PN 10/16, for potable water and heating



Article No.	Dimension	Bag	Box
1BMPPF42	DN 40 / 42 mm	o.r.	3
1BMPPF54	DN 50 / 54 mm	o.r.	2
1BMPPF67	DN - / 66.7 mm	o.r.	2
1BMPPF76	DN 65 / 76.1 mm	o.r.	3
1BMPPF76_DN80	DN 80 / 76.1 mm	o.r.	2
1BMPPF89	DN 80 / 88.9 mm	o.r.	2
1BMPPF108	DN 100 / 108.0 mm	o.r.	2

### FL-D

AUG 602

High-pressure flange seal, asbestos-free, suitable for weld neck, threaded, press and loose flanges, max. 400°C, resistant against water, vapour, fuels, diluted alkaline solutions, oils, gases (DVGW tested according to DIN 3535 Part 6). Dimensions according to DIN EN 1514 - 1. 2 mm thick for flanges. PN 10/16 = DIN EN 1092-1 and DIN EN 1092-2



Article No.	Dimension	Bag	Box
1D20	DN 20 (27 x 61 x 2 mm)	o.r.	200
1D25	DN 25 (34 x 71 x 2 mm)	o.r.	160
1D32	DN 32 (43 x 82 x 2 mm)	o.r.	120
1D40	DN 40 (49 x 92 x 2 mm)	o.r.	100
1D50	DN 50 (61 x 107 x 2 mm)	o.r.	120
1D65	DN 65 (77 x 127 x 2 mm)	o.r.	100
1D80	DN 80 (89 x 142 x 2 mm)	o.r.	80
1D100	DN 100 (115 x 168 x 2 mm)	o.r.	60

### 4993

AUG 556

Insertion depth gauge for SANHA®-Press, PURAPRESS® and SANHA®-Therm



Article No.	Dimension	Bag	Box
84993	12 - 108 mm	1	40



# PIPING SYSTEMS

## Copper



# SANHA<sup>®</sup>-Press Gas

## Series 10000 and 11000

**combipress**  
 = Tool Compatibility + Push & Stay  
 + Leak Path Feature  
**exclusive from SANHA**

### AREAS OF APPLICATION

- | Natural gas, liquid gas (up to PN 5)
- | Compressed air
- | Technical gases
- | Flammable gases
- | Hydrogen



# SANHA<sup>®</sup>-Press Gas

## Series 10000 and 11000

System press fittings from copper and copper alloys for copper pipes according to EN 1057, for flammable gases and interior gas piping with yellow sealing rings made from HNBR (hydrated nitrile butadiene rubber).

SANHA<sup>®</sup>-Press Gas system fittings are tested according to BS EN 8537 and certified or approved by all relevant national and international certification bodies. Our system fittings are labelled with a yellow PN5 – GT/5bar on the outside.

### Operating pressure SANHA<sup>®</sup>-Press Gas from copper and copper alloys

#### Flammable gases

Outside pipe diameter	$d \leq 54 \text{ mm}$
Operating pressure	5 bar
Operating temperature SANHA <sup>®</sup> -Press Gas with yellow HNBR sealing ring	-20 °C – +70 °C
Pipe thread	R/Rp thread according to EN 10226
Fastening thread	G thread according to ISO 228

Please pay particular attention to our technical documentation and installation instructions! Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

### FEATURES

#### Combipress

- **Tool compatibility:** pressable with press jaws and slings with original SA, V and M profile up to and including 54 mm
- **Leak path feature:** (certified forced leakage before pressing with EPDM and HNBR sealing rings) in combination with
- **Push & Stay:** Pipe is retained after locating into the SANHA fitting, this feature is inclusive on fittings up to 54 mm

#### Fast installation, no risk of fire

- The connection with stainless steel pipes by cold pressing enables a fast, time-saving installation and eliminates the risk of fire during the process. SANHA<sup>®</sup>-Press piping systems are therefore ideally suited for renovation work.

#### High corrosion resistance

- The exceptionally smooth, passivated surface of pipes and fittings leads to an excellent corrosion resistance.

#### Exceptional flexibility

- All dimensions from 12 to 54 mm including 64 and 67 mm available
- Reliable, permanent connection with copper pipes according to EN 1057
- Thread according to EN 10226 and/or ISO7/1 Typ R and Rp

## Product catalogue | (Series 10000 and 11000)

### 10001A

AUG 003

SANHA<sup>®</sup>-Press Gas Bend 90°, female/male plain end



Article No.	Dimension	Bag	Box
110001A12	12	10	250
110001A14	14	10	180
110001A15	15	10	180
110001A16	16	10	150
110001A18	18	10	120
110001A22	22	10	60
110001A28	28	5	40
110001A35	35	2	20
110001A42	42	2	12
110001A54	54	2	6

### 10002A

AUG 003

SANHA<sup>®</sup>-Press Gas Bend 90°, female/female end



Article No.	Dimension	Bag	Box
110002A12	12	10	250
110002A14	14	10	180
110002A15	15	10	170
110002A16	16	10	150
110002A18	18	10	120
110002A22	22	10	70
110002A28	28	5	35
110002A35	35	2	20
110002A42	42	2	12
110002A54	54	2	6

### 10040

AUG 003

SANHA<sup>®</sup>-Press Gas Bend 45°, female/male plain end



Article No.	Dimension	Bag	Box
11004012	12	10	350
11004014	14	10	200
11004015	15	10	200
11004016	16	10	200

### 10040

AUG 003

SANHA<sup>®</sup>-Press Gas Bend 45°, female/male plain end



Article No.	Dimension	Bag	Box
11004018	18	10	130
11004022	22	10	80
11004028	28	5	50
11004035	35	2	28
11004042	42	2	16
11004054	54	2	6

### 10041

AUG 003

SANHA<sup>®</sup>-Press Gas Bend 45°, female/female end



Article No.	Dimension	Bag	Box
11004112	12	10	350
11004114	14	10	200
11004115	15	10	200
11004116	16	10	200
11004118	18	10	150
11004122	22	10	80
11004128	28	5	50
11004135	35	2	24
11004142	42	2	16
11004154	54	2	6

### 10085

AUG 003

SANHA<sup>®</sup>-Press Gas Crossover, female/female end



Article No.	Dimension	Bag	Box
11008512	12	10	110
11008515	15	10	70
11008518	18	10	50
11008522	22	10	20
11008528	28	5	15

# SANHA<sup>®</sup>-Press Gas

## Product catalogue | (Series 10000 and 11000)

### 10086

AUG 003

SANHA<sup>®</sup>-Press Gas Crossover,  
female/male plain end



Article No.	Dimension	Bag	Box
11008615	15	10	100
11008618	18	10	90
11008622	22	10	40
11008628	28	5	25

### 10130

AUG 003

SANHA<sup>®</sup>-Press Gas Tee, female ends



Article No.	Dimension	Bag	Box
11013012	12	10	200
11013014	14	10	120
11013015	15	10	100
11013016	16	10	100
11013018	18	10	80
11013022	22	10	50
11013028	28	5	30
11013035	35	2	16
11013042	42	2	10
11013054	54	2	4
110130151212	15 x 12 x 12	10	150
110130151215	15 x 12 x 15	10	150
110130151512	15 x 15 x 12	10	150
110130151815	15 x 18 x 15	10	100
110130152215	15 x 22 x 15	10	60
110130161216	16 x 12 x 16	10	120
110130161414	16 x 14 x 14	10	120
110130161416	16 x 14 x 16	10	120
110130181215	18 x 12 x 15	10	100
110130181218	18 x 12 x 18	10	100
110130181418	18 x 14 x 18	10	100
110130181515	18 x 15 x 15	10	100
110130181518	18 x 15 x 18	10	90
110130181618	18 x 16 x 18	10	90
110130181815	18 x 18 x 15	10	80
110130182218	18 x 22 x 18	10	50
110130221222	22 x 12 x 22	10	70
110130221422	22 x 14 x 22	10	70

### 10130

AUG 003

SANHA<sup>®</sup>-Press Gas Tee, female ends



Article No.	Dimension	Bag	Box
110130221515	22 x 15 x 15	10	70
110130221518	22 x 15 x 18	10	80
110130221522	22 x 15 x 22	10	60
110130221622	22 x 16 x 22	10	60
110130221815	22 x 18 x 15	10	60
110130221818	22 x 18 x 18	10	60
110130221822	22 x 18 x 22	10	60
110130222215	22 x 22 x 15	10	50
110130222218	22 x 22 x 18	10	50
110130222822	22 x 28 x 22	5	35
110130281428	28 x 14 x 28	5	40
110130281522	28 x 15 x 22	5	40
110130281528	28 x 15 x 28	5	40
110130281628	28 x 16 x 28	5	40
110130281822	28 x 18 x 22	5	40
110130281828	28 x 18 x 28	5	40
110130282222	28 x 22 x 22	5	35
110130282228	28 x 22 x 28	5	35
110130282815	28 x 28 x 15	5	30
110130282818	28 x 28 x 18	5	30
110130282822	28 x 28 x 22	5	30
110130283528	28 x 35 x 28	2	20
110130351535	35 x 15 x 35	2	24
110130351835	35 x 18 x 35	2	24
110130352222	35 x 22 x 22	2	20
110130352228	35 x 22 x 28	2	20
110130352235	35 x 22 x 35	2	20
110130352828	35 x 28 x 28	2	20
110130352835	35 x 28 x 35	2	20
110130353522	35 x 35 x 22	2	18
110130353528	35 x 35 x 28	2	18
110130421542	42 x 15 x 42	2	16
110130422242	42 x 22 x 42	2	14
110130422842	42 x 28 x 42	2	12
110130423535	42 x 35 x 35	2	12
110130423542	42 x 35 x 42	2	12
110130542254	54 x 22 x 54	2	8
110130542854	54 x 28 x 54	2	6
110130543554	54 x 35 x 54	2	6
110130544254	54 x 42 x 54	2	6

## Product catalogue | (Series 10000 and 11000)

### 10240

AUG 003

SANHA®-Press Gas Reducing coupling, female/female end



Article No.	Dimension	Bag	Box
1102401412	14 x 12	10	250
1102401512	15 x 12	10	250
1102401614	16 x 14	10	250
1102401812	18 x 12	10	200
1102401814	18 x 14	10	180
1102401815	18 x 15	10	180
1102401816	18 x 16	10	180
1102402214	22 x 14	10	150
1102402215	22 x 15	10	150
1102402216	22 x 16	10	150
1102402218	22 x 18	10	120
1102402815	28 x 15	5	100
1102402818	28 x 18	5	80
1102402822	28 x 22	5	70
1102403522	35 x 22	2	50
1102403528	35 x 28	2	40
1102404222	42 x 22	2	30
1102404228	42 x 28	2	30
1102404235	42 x 35	2	30
1102405428	54 x 28	2	16
1102405435	54 x 35	2	20
1102405442	54 x 42	2	16

### 10243

AUG 003

SANHA®-Press Gas Fitting reducer, with female end and male plain end



Article No.	Dimension	Bag	Box
1102431412	14a x 12	10	350
1102431512	15a x 12	10	350
1102431612	16a x 12	10	300
1102431614	16a x 14	10	300
1102431812	18a x 12	10	250
1102431814	18a x 14	10	200
1102431815	18a x 15	10	220
1102431816	18a x 16	10	200
1102432214	22a x 14	10	180
1102432215	22a x 15	10	150
1102432216	22a x 16	10	150
1102432218	22a x 18	10	150
1102432814	28a x 14	5	100
1102432815	28a x 15	5	100

### 10243

AUG 003

SANHA®-Press Gas Fitting reducer, with female end and male plain end



Article No.	Dimension	Bag	Box
1102432816	28a x 16	5	100
1102432818	28a x 18	5	100
1102432822	28a x 22	5	90
1102433522	35a x 22	2	50
1102433528	35a x 28	2	40
1102434222	42a x 22	2	36
1102434228	42a x 28	2	36
1102434235	42a x 35	2	30
1102435435	54a x 35	2	20
1102435442	54a x 42	2	20

### 10270

AUG 003

SANHA®-Press Gas Coupling, female/female end



Article No.	Dimension	Bag	Box
11027012	12	10	350
11027014	14	10	200
11027015	15	10	240
11027016	16	10	200
11027018	18	10	170
11027022	22	10	100
11027028	28	5	60
11027035	35	2	40
11027042	42	2	24
11027054	54	2	10

### 10270S

AUG 003

SANHA®-Press Gas Slip coupling, female/female end



Article No.	Dimension	Bag	Box
110270S12	12	10	300
110270S15	15	10	200
110270S18	18	10	140
110270S22	22	10	80
110270S28	28	5	50
110270S35	35	2	30
110270S42	42	2	20
110270S54	54	2	6

# SANHA®-Press Gas

## Product catalogue | (Series 10000 and 11000)

### 10301

AUG 003

SANHA®-Press Gas Cap, female end



Article No.	Dimension	Bag	Box
11030112	12	10	500
11030114	14	10	450
11030115	15	10	400
11030116	16	10	400
11030118	18	10	350
11030122	22	10	200
11030128	28	5	110
11030135	35	2	60
11030142	42	2	40
11030154	54	2	20

### 11090G

AUG 004

SANHA®-Press Gas Elbow 90°, female end and female thread



Article No.	Dimension	Bag	Box
1110901212	12 x 1/2	10	150
1110901512	15 x 1/2	10	150
1110901534	15 x 3/4	10	100
1110901612	16 x 1/2	10	150
1110901812	18 x 1/2	10	150
1110901834	18 x 3/4	10	100
1110902212	22 x 1/2	10	100
1110902234	22 x 3/4	10	80
111090221	22 x 1	10	40
1110902834	28 x 3/4	5	50
111090281	28 x 1	5	30
11109035114	35 x 1 1/4	2	20
11109042112	42 x 1 1/2	2	12
111090542	54 x 2	2	6

### 11092G

AUG 004

SANHA®-Press Gas Elbow 90°, female end and male thread



Article No.	Dimension	Bag	Box
1110921412	14 x 1/2	10	200
1110921512	15 x 1/2	10	200
1110921612	16 x 1/2	10	150
1110921812	18 x 1/2	10	160

### 11092G

AUG 004

SANHA®-Press Gas Elbow 90°, female end and male thread



Article No.	Dimension	Bag	Box
1110921834	18 x 3/4	10	120
1110922212	22 x 1/2	10	100
1110922234	22 x 3/4	10	80
111092221	22 x 1	10	50
111092281	28 x 1	5	50
11109235114	35 x 1 1/4	2	30
11109242112	42 x 1 1/2	2	12
111092542	54 x 2	2	10

### 11130G

AUG 004

SANHA®-Press Gas Tee, female/female end and female thread



Article No.	Dimension	Bag	Box
1111301512	15 x 1/2 x 15	10	100
1111301812	18 x 1/2 x 18	10	80
1111302212	22 x 1/2 x 22	10	60
1111302234	22 x 3/4 x 22	10	50
1111302812	28 x 1/2 x 28	5	40
1111302834	28 x 3/4 x 28	5	30
1111303512	35 x 1/2 x 35	2	30
111130351	35 x 1 x 35	2	20
1111304212	42 x 1/2 x 42	2	18
1111305412	54 x 1/2 x 54	2	10

### 11243G

AUG 004

SANHA®-Press Gas Adaptor, with female end and male thread



Article No.	Dimension	Bag	Box
1112431238	12 x 3/8	10	400
1112431212	12 x 1/2	10	300
1112431412	14 x 1/2	10	300
1112431538	15 x 3/8	10	400
1112431512	15 x 1/2	10	250
1112431534	15 x 3/4	10	200
1112431612	16 x 1/2	10	300
1112431634	16 x 3/4	10	200
1112431812	18 x 1/2	10	200
1112431834	18 x 3/4	10	160



## Product catalogue | (Series 10000 and 11000)

### 11243G

AUG 004

SANHA®-Press Gas Adaptor, with female end and male thread



Article No.	Dimension	Bag	Box
1112432212	22 x 1/2	10	150
1112432234	22 x 3/4	10	120
111243221	22 x 1	10	100
1112432834	28 x 3/4	5	80
111243281	28 x 1	5	80
11124328114	28 x 1 1/4	5	50
111243351	35 x 1	2	70
11124335114	35 x 1 1/4	2	50
11124335112	35 x 1 1/2	2	50
11124342114	42 x 1 1/4	2	40
11124342112	42 x 1 1/2	2	30
11124354112	54 x 1 1/2	2	20
111243542	54 x 2	2	16

### 11270G

AUG 004

SANHA®-Press Gas Transition coupling, with female end and female thread



Article No.	Dimension	Bag	Box
1112701238	12 x 3/8	10	400
1112701212	12 x 1/2	10	300
1112701412	14 x 1/2	10	250
1112701512	15 x 1/2	10	250
1112701534	15 x 3/4	10	150
1112701612	16 x 1/2	10	250
1112701812	18 x 1/2	10	200
1112701834	18 x 3/4	10	150
1112702212	22 x 1/2	10	150
1112702234	22 x 3/4	10	120
111270221	22 x 1	10	80
1112702834	28 x 3/4	5	100
111270281	28 x 1	5	70
11127028114	28 x 1 1/4	5	40
111270351	35 x 1	2	60
11127035114	35 x 1 1/4	2	40
11127042114	42 x 1 1/4	2	30
11127042112	42 x 1 1/2	2	30
11127054112	54 x 1 1/2	2	24
111270542	54 x 2	2	20

### 11330JPC

AUG 004

SANHA®-Press Gas Union adaptor, flat sealing, female end



Article No.	Dimension	Bag	Box
111330JPC22	22	5	100
111330JPC28M34	28 (M 3/4)	5	80
111330JPC28M114	28 (M 1 1/4)	5	80
111330JPC35	35	2	40
111330JPC54	54	2	16

### 11330JPG

AUG 004

SANHA®-Press Gas Union adaptor, flat sealing, female end



Article No.	Dimension	Bag	Box
111330JPG14M12	14 (M 1/2)	5	180
111330JPG16M12	16 (M 1/2)	5	200
111330JPG16M34	16 (M 3/4)	5	200
111330JPG18M12	18 (M 1/2)	5	200
111330JPG18M34	18 (M 3/4)	5	140
111330JPG22M34	22 (M 3/4)	5	100
111330JPG22M1	22 (M 1)	5	100
111330JPG28	28	5	60
111330JPG35	35	2	40
111330JPG42	42	2	30
111330JPG54	54	2	16

### 11330GPL

AUG 004

SANHA®-Press Gas Union adaptor, flat sealing, female end



Article No.	Dimension	Bag	Box
111330GPL12M20	12 x M20	5	180
111330GPL14M20	14 x M20	5	180

# SANHA®-Press Gas

## Product catalogue | (Series 10000 and 11000)

### 11340

AUG 004

SANHA®-Press Gas Union, conical sealing, female/female end



Article No.	Dimension	Bag	Box
11134015	15	5	80
11134018	18	5	40
11134022	22	5	40
11134028	28	5	30
11134035	35	2	16
11134054	54	2	6

### 11340G

AUG 004

SANHA®-Press Gas Union, conical sealing, with female end and female thread



Article No.	Dimension	Bag	Box
1113401512	15 x 1/2	5	80
1113402234	22 x 3/4	5	50
111340281	28 x 1	5	30
11134035114	35 x 1 1/4	2	20
111340542	54 x 2	2	8

### 11343G

AUG 004

SANHA®-Press Gas Union, conical sealing, with female end and male thread



Article No.	Dimension	Bag	Box
1113431512	15 x 1/2	5	80
1113431812	18 x 1/2	5	50
1113431834	18 x 3/4	5	50
1113432234	22 x 3/4	5	50
111343221	22 x 1	5	50
1113432834	28 x 3/4	5	30
111343281	28 x 1	5	30
11134342112	42 x 1 1/2	2	10
111343542	54 x 2	2	8

### 11359G

AUG 004

SANHA®-Press Gas Union adaptor, flat sealing, female end



Article No.	Dimension	Bag	Box
1113591212	12 x 1/2	5	350
1113591234	12 x 3/4	5	200
1113591534	15 x 3/4	5	200
111359151	15 x 1	5	120
1113591834	18 x 3/4	5	160
111359181	18 x 1	5	120
1113592234	22 x 3/4	5	120
111359221	22 x 1	5	100
11135922114	22 x 1 1/4	5	80
11135922112	22 x 1 1/2	5	60
11135928114	28 x 1 1/4	5	80
11135928112	28 x 1 1/2	5	50
11135935112	35 x 1 1/2	2	40
111359352	35 x 2	2	30
111359422	42 x 2	2	30

### 11360G

AUG 004

SANHA®-Press Gas Union adaptor, conical sealing, female end



Article No.	Dimension	Bag	Box
1113601578	15 x 7/8	5	120
11136018118	18 x 1 1/8	5	80
11136022118	22 x 1 1/8	5	80
11136022138	22 x 1 3/8	5	o.r.
11136028138	28 x 1 3/8	5	60

### 11472G

AUG 004

SANHA®-Press Gas Wall plate, with female end and female thread



Article No.	Dimension	Bag	Box
1114721212	12 x 1/2	10	120
1114721412	14 x 1/2	10	100
1114721512	15 x 1/2	10	100
1114721612	16 x 1/2	10	100
1114721812	18 x 1/2	10	90
1114721834	18 x 3/4	10	60
1114722212	22 x 1/2	10	60
1114722234	22 x 3/4	10	60

## Product catalogue | (Series 10000 and 11000)

### 10-RG-PF

AUG 004

SANHA®-Press Gas Crimping flange, with female end, for gas installation



Article No.	Dimension	Bag	Box
110RGPF28	DN 25 / 28mm	1	6
110RGPF35	DN 32 / 35mm	1	4
110RGPF42	DN 40 / 42mm	1	4
110RGPF54	DN 50 / 54mm	1	2

### 4993

AUG 556

Insertion depth gauge for SANHA®-Press and SANHA®-Therm



Article No.	Dimension	Bag	Box
84993	12 - 108 mm	1	40



# PIPING SYSTEMS

## Copper



## SANHA<sup>®</sup>-Press Solar

### Series 12000 and 13000

#### AREAS OF APPLICATION

- | Solar systems (flat plate and vacuum collectors)
- | Compressed air
- | Inert gases
- | Cooling water
- | Steam systems (on request)
- | District heating supply systems
- | Fuel oil & Diesel



# SANHA<sup>®</sup>-Press Solar

## Series 12000 and 13000

System press fittings from copper and copper alloys for copper pipes according to EN 1057 for solar and high-temperature applications for compressed air. SANHA<sup>®</sup>-Press Solar system fittings have red moulded sealing rings made from FKM (fluoro carbon elastomers) for temperatures of up to 160 °C.

SANHA<sup>®</sup>-Press Solar system fittings are additionally marked by a red "HT" printed on the outside.

### Operating conditions for SANHA<sup>®</sup>-Press Solar from copper and copper alloys

Water and aqueous solutions

Technical gases (non-toxic, non-flammable)

Outside pipe diameter	$d \leq 108$ mm
Operating pressure	16 bar
Operating temperature SANHA <sup>®</sup> -Press Solar with red FKM sealing ring	-20 °C – +160 °C (depending on application)
Pipe thread	R/Rp thread according to EN 10226
Fastening thread	G thread according to ISO 228

Please pay particular attention to our technical documentation and installation instructions!  
Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

## FEATURES

### Tool compatibility and Push & Stay

- **Tool compatibility:** pressable with press jaws and slings with original SA, V and M profile up to and including 54 mm (with M and SA up to 108 mm).
- **Push & Stay:** Pipe is retained after locating into the SANHA fitting, this feature is inclusive on fittings up to 54 mm

### Fast installation, no risk of fire

- The connection with stainless steel pipes by cold pressing enables a fast, time-saving installation and eliminates the risk of fire during the process. SANHA<sup>®</sup>-Press Solar piping systems are therefore ideally suited for renovation work.

### High corrosion resistance

- The exceptionally smooth, passivated surface of pipes and fittings leads to an excellent corrosion resistance.

### Exceptional flexibility

- All dimensions from 12 to 108 mm including 64 and 67 mm available
- Reliable, permanent connection with copper pipes according to EN 1057
- Thread according to EN 10226 and/or ISO7/1 Type R and Rp

## Product catalogue | (Series 12000 and 13000)

### 12001A

AUG 005

SANHA®-Press Solar Bend 90°, female/male plain end



Article No.	Dimension	Bag	Box
112001A12	12	10	250
112001A15	15	10	180
112001A18	18	10	120
112001A22	22	10	60
112001A28	28	5	40
112001A35	35	2	20
112001A42	42	2	12
112001A54	54	2	6
112001A64	64	1	8
112001A76	76.1	1	5
112001A89	88.9	1	3
112001A108	108.0	1	1

### 12002A

AUG 005

SANHA®-Press Solar Bend 90°, female/female end



Article No.	Dimension	Bag	Box
112002A12	12	10	250
112002A15	15	10	170
112002A18	18	10	120
112002A22	22	10	70
112002A28	28	5	35
112002A35	35	2	20
112002A42	42	2	12
112002A54	54	2	6
112002A64	64	1	8
112002A76	76.1	1	4
112002A89	88.9	1	2
112002A108	108.0	1	1

### 12040

AUG 005

SANHA®-Press Solar Bend 45°, female/male plain end



Article No.	Dimension	Bag	Box
11204012	12	10	350
11204015	15	10	200
11204018	18	10	130

### 12040

AUG 005

SANHA®-Press Solar Bend 45°, female/male plain end



Article No.	Dimension	Bag	Box
11204022	22	10	80
11204028	28	5	50
11204035	35	2	28
11204042	42	2	16
11204054	54	2	8
11204064	64	1	12
11204076	76	1	6
11204089	88.9	1	3
112040108	108.0	1	2

### 12041

AUG 005

SANHA®-Press Solar Bend 45°, female/female end



Article No.	Dimension	Bag	Box
11204112	12	10	350
11204115	15	10	200
11204118	18	10	150
11204122	22	10	80
11204128	28	5	50
11204135	35	2	24
11204142	42	2	16
11204154	54	2	8
11204164	64	1	10
11204176	76.1	1	6
11204189	88.9	1	3
112041108	108.0	1	2

### 12085

AUG 005

SANHA®-Press Solar Crossover, female/female end



Article No.	Dimension	Bag	Box
11208512	12	10	110
11208515	15	10	70
11208518	18	10	50
11208522	22	10	20
11208528	28	5	15

# SANHA®-Press Solar

## Product catalogue I (Series 12000 and 13000)

### 12086

AUG 005

SANHA®-Press Solar Crossover,  
female/male plain end



Article No.	Dimension	Bag	Box
11208612	12	10	200
11208615	15	10	100
11208618	18	10	90
11208622	22	10	40
11208628	28	5	25

### 12130

AUG 005

SANHA®-Press Solar Tee, female ends



Article No.	Dimension	Bag	Box
11213012	12	10	200
11213015	15	10	100
11213018	18	10	80
11213022	22	10	50
11213028	28	5	30
11213035	35	2	16
11213042	42	2	10
11213054	54	2	6
11213064	64	1	6
11213076	76.1	1	3
11213089	88.9	1	2
112130108	108.0	1	1
112130181518	18 x 15 x 18	10	90
112130182218	18 x 22 x 18	10	50
112130221522	22 x 15 x 22	10	60
112130221818	22 x 18 x 18	10	60
112130221822	22 x 18 x 22	10	60
112130222218	22 x 22 x 18	10	50
112130222822	22 x 28 x 22	5	35
112130281528	28 x 15 x 28	5	40
112130281822	28 x 18 x 22	5	40
112130281828	28 x 18 x 28	5	40
112130282222	28 x 22 x 22	5	35
112130282228	28 x 22 x 28	5	35
112130282818	28 x 28 x 18	5	30
112130282822	28 x 28 x 22	5	30
112130283528	28 x 35 x 28	2	20
112130351535	35 x 15 x 35	2	24
112130351835	35 x 18 x 35	2	24
112130352222	35 x 22 x 22	2	20
112130352228	35 x 22 x 28	2	20

### 12130

AUG 005

SANHA®-Press Solar Tee, female ends



Article No.	Dimension	Bag	Box
112130352235	35 x 22 x 35	2	20
112130352828	35 x 28 x 28	2	20
112130352835	35 x 28 x 35	2	20
112130353522	35 x 35 x 22	2	18
112130353528	35 x 35 x 28	2	18
112130421542	42 x 15 x 42	2	16
112130422242	42 x 22 x 42	2	14
112130422842	42 x 28 x 42	2	12
112130423535	42 x 35 x 35	2	12
112130423542	42 x 35 x 42	2	12
112130542254	54 x 22 x 54	2	8
112130542854	54 x 28 x 54	2	8
112130543554	54 x 35 x 54	2	8
112130544254	54 x 42 x 54	2	6
112130644264	64 x 42 x 64	1	10
112130645464	64 x 54 x 64	1	8
112130762276	76.1 x 22 x 76.1	1	8
112130762876	76.1 x 28 x 76.1	1	8
112130763576	76.1 x 35 x 76.1	1	6
112130764276	76.1 x 42 x 76.1	1	6
112130765476	76.1 x 54 x 76.1	1	6
112130895489	88.9 x 54 x 88.9	1	3
112130897689	88.9 x 76.1 x 88.9	1	2
11213010854108	108.0 x 54 x 108.0	1	2
11213010864108	108.0 x 64 x 108.0	1	2
11213010876108	108.0 x 76.1 x 108.0	1	2
11213010889108	108.0 x 88.9 x 108.0	1	1

### 12240

AUG 005

SANHA®-Press Solar Reducing  
coupling, female/female end



Article No.	Dimension	Bag	Box
1122401512	15 x 12	10	250
1122401812	18 x 12	10	200
1122401815	18 x 15	10	180
1122402215	22 x 15	10	150
1122402218	22 x 18	10	120
1122402815	28 x 15	5	100
1122402818	28 x 18	5	80
1122402822	28 x 22	5	70
1122403522	35 x 22	2	50



## Product catalogue | (Series 12000 and 13000)

### 12240

AUG 005

SANHA®-Press Solar Reducing coupling, female/female end



Article No.	Dimension	Bag	Box
1122403528	35 x 28	2	40
1122404222	42 x 22	2	30
1122404228	42 x 28	2	30
1122404235	42 x 35	2	30
1122405428	54 x 28	2	20
1122405435	54 x 35	2	20
1122405442	54 x 42	2	16

### 12243

AUG 005

SANHA®-Press Solar Fitting reducer, with female end and male plain end



Article No.	Dimension	Bag	Box
1122431512	15a x 12	10	350
1122431812	18a x 12	10	250
1122431815	18a x 15	10	220
1122432215	22a x 15	10	150
1122432218	22a x 18	10	150
1122432815	28a x 15	5	100
1122432818	28a x 18	5	100
1122432822	28a x 22	5	90
1122433522	35a x 22	2	50
1122433528	35a x 28	2	40
1122434222	42a x 22	2	36
1122434228	42a x 28	2	36
1122434235	42a x 35	2	30
1122435435	54a x 35	2	20
1122435442	54a x 42	2	20
1122436442	64a x 42	1	24
1122436454	64a x 54	1	15
1122437635	76.1a x 35	1	15
1122437642	76.1a x 42	1	15
1122437654	76.1a x 54	1	15
1122438954	88.9a x 54	1	10
1122438976	88.9a x 76.1	1	10
11224310842	108.0a x 42	1	4
11224310854	108.0a x 54	1	4
11224310864	108.0a x 64	1	4
11224310876	108.0a x 76.1	1	4
11224310889	108.0a x 88.9	1	4

### 12270

AUG 005

SANHA®-Press Solar Coupling, female/female end



Article No.	Dimension	Bag	Box
11227012	12	10	350
11227015	15	10	240
11227018	18	10	170
11227022	22	10	100
11227028	28	5	60
11227035	35	2	40
11227042	42	2	24
11227054	54	2	16
11227064	64	1	20
11227076	76.1	1	10
11227089	88.9	1	6
112270108	108.0	1	4

### 12270S

AUG 005

SANHA®-Press Solar Slip coupling, female/female end



Article No.	Dimension	Bag	Box
112270S12	12	10	300
112270S15	15	10	200
112270S18	18	10	140
112270S22	22	10	80
112270S28	28	5	50
112270S35	35	2	30
112270S42	42	2	20
112270S54	54	2	10
112270S64	64	1	20
112270S76	76.1	1	10
112270S89	88.9	1	6

### 12301

AUG 005

SANHA®-Press Solar Cap, female end



Article No.	Dimension	Bag	Box
11230112	12	10	500
11230115	15	10	400
11230118	18	10	350
11230122	22	10	200
11230128	28	5	110

# SANHA®-Press Solar

## Product catalogue | (Series 12000 and 13000)

### 12301

AUG 005

SANHA®-Press Solar Cap, female end



Article No.	Dimension	Bag	Box
11230135	35	2	60
11230142	42	2	40
11230154	54	2	16
11230164	64	1	30
11230176	76.1	1	20
11230189	88.9	1	14
112301108	108.0	1	10

### 13090G

AUG 006

SANHA®-Press Solar Elbow 90°, female end and female thread



Article No.	Dimension	Bag	Box
1130901238	12 x 3/8	10	150
1130901212	12 x 1/2	10	150
1130901512	15 x 1/2	10	150
1130901534	15 x 3/4	10	100
1130901812	18 x 1/2	10	150
1130901834	18 x 3/4	10	100
1130902212	22 x 1/2	10	100
1130902234	22 x 3/4	10	80
113090221	22 x 1	10	40
1130902834	28 x 3/4	5	50
113090281	28 x 1	5	30
11309035114	35 x 1 1/4	2	20
11309042112	42 x 1 1/2	2	12
113090542	54 x 2	2	6

### 13092G

AUG 006

SANHA®-Press Solar Elbow 90°, female end and male thread



Article No.	Dimension	Bag	Box
1130921238	12 x 3/8	10	250
1130921212	12 x 1/2	10	250
1130921512	15 x 1/2	10	200
1130921812	18 x 1/2	10	160
1130921834	18 x 3/4	10	120
1130922234	22 x 3/4	10	80
113092221	22 x 1	10	60

### 13092G

AUG 006

SANHA®-Press Solar Elbow 90°, female end and male thread



Article No.	Dimension	Bag	Box
113092281	28 x 1	5	50
11309235114	35 x 1 1/4	2	30
11309242112	42 x 1 1/2	2	12
113092542	54 x 2	2	10

### 13096G

AUG 006

SANHA®-Press Solar Elbow union, flat sealing, female end and female thread



Article No.	Dimension	Bag	Box
1130961212	12 x 1/2	5	120
1130961512	15 x 1/2	5	100
1130961812	18 x 1/2	5	80
1130961834	18 x 3/4	5	50
1130962234	22 x 3/4	5	50
113096221	22 x 1	5	25
113096281	28 x 1	5	25
11309635114	35 x 1 1/4	2	16
11309642112	42 x 1 1/2	2	10
113096542	54 x 2	2	6

### 13130G

AUG 006

SANHA®-Press Solar Tee, female/female end and female thread



Article No.	Dimension	Bag	Box
1131301212	12 x 1/2 x 12	10	150
1131301512	15 x 1/2 x 15	10	100
1131301812	18 x 1/2 x 18	10	90
1131302212	22 x 1/2 x 22	10	60
1131302234	22 x 3/4 x 22	10	50
1131302812	28 x 1/2 x 28	5	40
1131302834	28 x 3/4 x 28	5	40
1131303512	35 x 1/2 x 35	2	30
113130351	35 x 1 x 35	2	20
1131304212	42 x 1/2 x 42	2	18
1131305412	54 x 1/2 x 54	2	10

## Product catalogue | (Series 12000 and 13000)

### 13243G

AUG 006

SANHA®-Press Solar Adaptor,  
with female end and male thread



Article No.	Dimension	Bag	Box
1132431238	12 x 3/8	10	400
1132431512	15 x 1/2	10	250
1132431534	15 x 3/4	10	200
1132431812	18 x 1/2	10	200
1132431834	18 x 3/4	10	150
1132432212	22 x 1/2	10	150
1132432234	22 x 3/4	10	120
113243221	22 x 1	10	80
1132432834	28 x 3/4	5	100
113243281	28 x 1	5	80
11324328114	28 x 1 1/4	5	50
113243351	35 x 1	2	60
11324335114	35 x 1 1/4	2	40
11324342114	42 x 1 1/4	2	36
11324342112	42 x 1 1/2	2	30
11324354112	54 x 1 1/2	2	20
113243542	54 x 2	2	16
11324364212	64 x 2 1/2	1	10
11324376212	76.1 x 2 1/2	1	5
113243763	76.1 x 3	1	5
113243893	88.9 x 3	1	4
1132431084	108.0 x 4	1	2

### 13270G

AUG 006

SANHA®-Press Solar Transition  
coupling, with female end  
and female thread



Article No.	Dimension	Bag	Box
1132701238	12 x 3/8	10	400
1132701212	12 x 1/2	10	300
1132701538	15 x 3/8	10	300
1132701512	15 x 1/2	10	250
1132701534	15 x 3/4	10	150
1132701812	18 x 1/2	10	200
1132701834	18 x 3/4	10	150
1132702212	22 x 1/2	10	150
1132702234	22 x 3/4	10	120
113270221	22 x 1	10	80
1132702834	28 x 3/4	5	100
113270281	28 x 1	5	80
11327028114	28 x 1 1/4	5	40
113270351	35 x 1	2	60

### 13270G

AUG 006

SANHA®-Press Solar Transition  
coupling, with female end  
and female thread



Article No.	Dimension	Bag	Box
11327035114	35 x 1 1/4	2	40
11327042114	42 x 1 1/4	2	30
11327042112	42 x 1 1/2	2	30
11327054112	54 x 1 1/2	2	24
113270542	54 x 2	2	20
11327064212	64 x 2 1/2	1	10
11327076212	76.1 x 2 1/2	1	5
113270893	89 x 3	1	3

### 13330

AUG 006

SANHA®-Press Solar Union,  
flat sealing, female/female end



Article No.	Dimension	Bag	Box
11333015	15	5	100
11333018	18	5	100
11333022	22	5	60
11333028	28	5	40
11333035	35	2	30
11333042	42	2	18
11333054	54	2	10

### 13330G

AUG 006

SANHA®-Press Solar Union, flat sealing,  
with female end and female thread



Article No.	Dimension	Bag	Box
1133301534	15 x 3/4	5	80
1133301834	18 x 3/4	5	80
1133302234	22 x 3/4	5	60
113330221	22 x 1	5	50
113330281	28 x 1	5	40
11333035114	35 x 1 1/4	2	30
11333042112	42 x 1 1/2	2	20
113330542	54 x 2	2	10

# SANHA®-Press Solar

## Product catalogue | (Series 12000 and 13000)

### 13333G

AUG 006

SANHA®-Press Solar Union, flat sealing, with female end and male thread



Article No.	Dimension	Bag	Box
1133331512	15 x 1/2	5	120
1133331534	15 x 3/4	5	100
1133331812	18 x 1/2	5	100
1133331834	18 x 3/4	5	80
1133332212	22 x 1/2	5	60
1133332234	22 x 3/4	5	60
113333221	22 x 1	5	60
1133332834	28 x 3/4	5	40
113333281	28 x 1	5	40
11333335114	35 x 1 1/4	2	20
11333342112	42 x 1 1/2	2	12
113333542	54 x 2	2	8

### 13359G

AUG 006

SANHA®-Press Solar Union adaptor, flat sealing, female end



Article No.	Dimension	Bag	Box
1133591534	15 x 3/4	5	200
113359151	15 x 1	5	120
1133591834	18 x 3/4	5	160
113359181	18 x 1	5	120
1133592234	22 x 3/4	5	120
113359221	22 x 1	5	100
11335922114	22 x 1 1/4	5	80
11335922112	22 x 1 1/2	5	60
11335928114	28 x 1 1/4	5	80
11335928112	28 x 1 1/2	5	50
11335935112	35 x 1 1/2	2	40
113359422	42 x 2	2	30
11335954238	54 x 2 3/8	2	16
113359763	76.1 x 3	1	10
11335989312	88.9 x 3 1/2	1	6

### 4993

AUG 556

Insertion depth gauge for SANHA®-Press, and SANHA®-Therm



Article No.	Dimension	Bag	Box
84993	12 - 108 mm	1	40

# PIPING SYSTEMS

## Copper



### SANHA<sup>®</sup>-Press Chrom

#### Series 16000

**combipress**  
= Tool Compatibility + Push & Stay  
+ Leak Path Feature  
**exclusive from SANHA**

#### AREAS OF APPLICATION

- | Heating
- | Rainwater



**kiwa**



**WRAS**  
APPROVED  
PRODUCT

Deutsches  
Kupferinstitut

# SANHA<sup>®</sup>-Press Chrom

## Series 16000

System press fittings from copper and copper alloys for copper pipes with a black moulded EPDM sealing ring for brilliant chrome-plated copper pipes according to EN 1057.

SANHA<sup>®</sup>-Press Chrome system fittings are the ideal solution for exposed pipeline water-carrying installations in combination with brilliant chrome-plated pipes, for example in the bath.

The combination of modern press technology, small measurements and the chrome-plated surface offer a time-saving and very attractive installation. The chrome surface is easy to clean and needs little care after it is installed.

### Operating conditions for SANHA<sup>®</sup>-Press Chrome made from copper and copper alloys Water and aqueous solutions

Outside pipe diameter	$d \leq 28$ mm
Operating pressure	16 bar
Operating temperature SANHA <sup>®</sup> -Press Chrome with black EPDM sealing ring	-30 °C - +120 °C
Pipe thread	R/Rp-thread according to EN 10226
Fastening thread	G-thread (union nut) according to ISO 228

Please pay particular attention to our technical documentation and installation instructions!  
Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

## FEATURES

### Combipress

- **Tool compatibility:** pressable with press jaws and slings with original SA, V and M profile up to and including 54 mm
- **Leak path feature:** (certified forced leakage before pressing with EPDM and HNBR sealing rings) in combination with
- **Push & Stay:** Pipe is retained after locating into the SANHA fitting, this feature is inclusive on fittings up to 54 mm

### Fast installation, no risk of fire

- The connection with copper pipes by cold pressing enables a fast, time-saving installation and eliminates the risk of fire during the process. SANHA<sup>®</sup>-Press Chrome piping systems are therefore ideally suited for renovation work.

### High corrosion resistance

- The exceptionally smooth, passivated surface of pipes and fittings leads to an excellent corrosion resistance.

### Exceptional flexibility

- All practical dimensions from 12 to 28 mm
- Reliable, permanent connection with copper pipes according to EN 1057
- Thread according to EN 10226 and/or ISO7/1 Typ R and Rp

## Product catalogue | (Series 16000)

### 16001A

AUG 014

SANHA®-Press Chrom Bend 90°, female/male plain end



Article No.	Dimension	Bag	Box
116001A12	12	10	250
116001A15	15	10	180
116001A18	18	10	120
116001A22	22	10	60
116001A28	28	5	40

### 16085

AUG 014

SANHA®-Press Chrom Crossover, female/female end



Article No.	Dimension	Bag	Box
11608512	12	10	110
11608515	15	10	70
11608518	18	10	50
11608522	22	10	20
11608528	28	5	15

### 16002A

AUG 014

SANHA®-Press Chrom Bend 90°, female/female end



Article No.	Dimension	Bag	Box
116002A12	12	10	250
116002A15	15	10	170
116002A18	18	10	120
116002A22	22	10	70
116002A28	28	5	35

### 16086

AUG 014

SANHA®-Press Chrom Crossover, female/male plain end



Article No.	Dimension	Bag	Box
11608612	12	10	200
11608615	15	10	100
11608618	18	10	90
11608622	22	10	40
11608628	28	5	25

### 16040

AUG 014

SANHA®-Press Chrom Bend 45°, female/male plain end



Article No.	Dimension	Bag	Box
11604012	12	10	350
11604015	15	10	200
11604018	18	10	130
11604022	22	10	80
11604028	28	5	50

### 16130

AUG 014

SANHA®-Press Chrom Tee, female ends



Article No.	Dimension	Bag	Box
11613012	12	10	200
11613015	15	10	120
11613018	18	10	80
11613022	22	10	50
11613028	28	5	30
116130121512	12 x 15 x 12	10	150
116130151212	15 x 12 x 12	10	150
116130151215	15 x 12 x 15	10	150
116130151512	15 x 15 x 12	10	150
116130181218	18 x 12 x 18	10	100
116130181515	18 x 15 x 15	10	100
116130181518	18 x 15 x 18	10	90
116130181815	18 x 18 x 15	10	80
116130182218	18 x 22 x 18	10	50
116130221222	22 x 12 x 22	10	70
116130221515	22 x 15 x 15	10	70
116130221522	22 x 15 x 22	10	60
116130221818	22 x 18 x 18	10	60

### 16041

AUG 014

SANHA®-Press Chrom Bend 45°, female/female end



Article No.	Dimension	Bag	Box
11604112	12	10	350
11604115	15	10	200
11604118	18	10	150
11604122	22	10	80
11604128	28	5	50

# SANHA®-Press Chrom

## Product catalogue | (Series 16000)

### 16130

AUG 014

SANHA®-Press Chrom Tee,  
female ends



Article No.	Dimension	Bag	Box
116130221822	22 x 18 x 22	10	60
116130222215	22 x 22 x 15	10	50
116130222218	22 x 22 x 18	10	50
116130222822	22 x 28 x 22	5	35
116130281522	28 x 15 x 22	5	40
116130281528	28 x 15 x 28	5	40
116130282222	28 x 22 x 22	5	35
116130282228	28 x 22 x 28	5	35
116130282815	28 x 28 x 15	5	30
116130282822	28 x 28 x 22	5	30

### 16240

AUG 014

SANHA®-Press Chrom Reducing  
coupling, female/female end



Article No.	Dimension	Bag	Box
1162401512	15 x 12	10	250
1162401812	18 x 12	10	200
1162401815	18 x 15	10	180
1162402215	22 x 15	10	150
1162402218	22 x 18	10	120
1162402815	28 x 15	5	100
1162402822	28 x 22	5	70

### 16243

AUG 014

SANHA®-Press Chrom Fitting reducer,  
with female and male plain end



Article No.	Dimension	Bag	Box
1162431512	15a x 12	10	350
1162431812	18a x 12	10	250
1162431815	18a x 15	10	220
1162432215	22a x 15	10	150
1162432218	22a x 18	10	150
1162432815	28a x 15	5	100
1162432822	28a x 22	5	90

### 16243G

AUG 014

SANHA®-Press Chrom Adaptor,  
with female end and male thread



Article No.	Dimension	Bag	Box
116243G1238	12 x 3/8	10	400
116243G1212	12 x 1/2	10	250
116243G1538	15 x 3/8	10	400
116243G1512	15 x 1/2	10	250
116243G1812	18 x 1/2	10	200
116243G1834	18 x 3/4	10	150
116243G2212	22 x 1/2	10	150
116243G2234	22 x 3/4	10	120
116243G221	22 x 1	10	80
116243G2834	28 x 3/4	5	100
116243G281	28 x 1	5	80
116243G28114	28 x 1 1/4	5	50

### 16270

AUG 014

SANHA®-Press Chrom Coupling,  
female/female end



Article No.	Dimension	Bag	Box
11627012	12	10	350
11627015	15	10	240
11627018	18	10	170
11627022	22	10	100
11627028	28	5	60

### 16270G

AUG 014

SANHA®-Press Chrom Transition  
coupling, with female end and female  
thread



Article No.	Dimension	Bag	Box
116270G1238	12 x 3/8	10	400
116270G1212	12 x 1/2	10	300
116270G1538	15 x 3/8	10	300
116270G1512	15 x 1/2	10	250
116270G1812	18 x 1/2	10	200
116270G1834	18 x 3/4	10	150
116270G2212	22 x 1/2	10	150
116270G2234	22 x 3/4	10	120
116270G221	22 x 1	10	80
116270G2834	28 x 3/4	5	100
116270G281	28 x 1	5	80
116270G28114	28 x 1 1/4	5	40



## Product catalogue I (Series 16000)

### 16270S

AUG 014

SANHA®-Press Chrom Slip coupling,  
female/female end



Article No.	Dimension	Bag	Box
116270S12	12	10	300
116270S15	15	10	200
116270S18	18	10	140
116270S22	22	10	80
116270S28	28	5	50

### 16280G

AUG 014

SANHA®-Press Chrom Adaptor,  
with male plain end and male thread



Article No.	Dimension	Bag	Box
116280G1212	12a x 1/2	10	350
116280G1538	15a x 3/8	10	350
116280G1512	15a x 1/2	10	300
116280G1812	18a x 1/2	10	250
116280G1834	18a x 3/4	10	150
116280G2212	22a x 1/2	10	150
116280G2234	22a x 3/4	10	150
116280G2834	28a x 3/4	5	100
116280G281	28a x 1	5	60

### 16359G

AUG 014

SANHA®-Press Chrom Union adaptor,  
flat sealing, female end



Article No.	Dimension	Bag	Box
116359G1212	12 x 1/2	5	350
116359G1534	15 x 3/4	5	200
116359G181	18 x 1	5	120

### 4993

AUG 556

Insertion depth gauge for  
SANHA®-Press and SANHA®-Therm



Article No.	Dimension	Bag	Box
84993	12 - 108 mm	1	40



# PIPING SYSTEMS

## Carbon steel



# SANHA<sup>®</sup> - Heavy Steel Press

## Series 70000



#### AREAS OF APPLICATION

- | Cooling water
- | Sprinkler systems (wet)
- | Low pressure gas systems
- | Compressed air (dry)
- | Technical gases
- | Heating (closed circuit)

More applications on demand.

# SANHA<sup>®</sup> - Heavy Steel Press

## Series 70000

To join thick-walled steel pipes, time-consuming welding was previously necessary. With the press fittings of our new system „Heavy Steel Press“ system, we offer a safe and economic alternative to welding.

The press fittings of the new „Heavy Steel Press“ series have black EPDM sealing rings. They are suitable for all closed heating and cooling circuits, fire extinguishing and sprinkler systems and compressed air, to name but a few. This makes them particularly suitable for industrial applications, in power plant or local heating supply for commercial, industrial and residential areas, industrial and residential areas.

The pipe wall thicknesses comply with EN 10220 and 10255. The range includes all items required for professional installation.

### Operating conditions for SANHA<sup>®</sup> - Heavy Steel Press series 70000

Outside pipe diameter	$d \leq 1/2" - 2"$
Operating pressure	16 bar
Operating temperature	-30 °C – +120 °C
<b>Thread design</b>	
Pipe-thread	R/Rp-according to EN 10226

Please pay particular attention to our technical documentation and installation instructions! Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

### ADVANTAGES

#### Easy pressing

The fittings are provided with retaining teeth as well as a spacer and grip ring in front of the actual sealing ring. This effectively prevents damage to the sealing ring when the fitting is pushed onto the pipe.

During the pressing process, this prevents damage to the sealing ring when it is pushed onto the pipe and additionally strengthens the connection. Due to its special design, the sealing ring has a surface area that is 200 % larger than usual – this helps to seal remaining bumps and irregularities in the pipe and thus offers additional security for a permanently tight connection.

Leak path feature (certified forced leakage before pressing with EPDM and HNBR sealing rings)

#### More safety, higher economic efficiency of construction projects

The press fittings made of carbon steel are suitable for the installation of all thick-walled (seamless, welded, black, galvanised or epoxy resin-coated) pipes according to EN 10255, EN 10220 / 10216-1 or EN 10217-1.

The advantages are obvious: Installers save a lot of time, safety on the construction site is increased due to the elimination of open flames and the installation is more economical.

In addition to the significantly faster installation with steel pipes, the fittings made of carbon steel with their zinc-nickel coating and the robust, solid design, our fittings offer advantages during transport and over the entire life of a construction project.

## Product catalogue I (Series 70000)

### 70001A

AUG 025

Heavy Steel Press Bend 90°



Article No.	Dimension	Bag*	Box
670001A12	P x FTG 1/2	10	50
670001A34	P x FTG 3/4	10	30
670001A1	P x FTG 1	5	15
670001A114	P x FTG 1 1/4	1	8
670001A112	P x FTG 1 1/2	1	5
670001A2	P x FTG 2	1	3

### 70002A

AUG 025

Heavy Steel Press Bend 90°



Article No.	Dimension	Bag*	Box
670002A12	P x P 1/2	10	50
670002A34	P x P 3/4	10	30
670002A1	P x P 1	5	15
670002A114	P x P 1 1/4	1	7
670002A112	P x P 1 1/2	1	5
670002A2	P x P 2	1	4

### 70040

AUG 025

Heavy Steel Press Bend 45°



Article No.	Dimension	Bag*	Box
67004012	P x FTG 1/2	10	60
67004034	P x FTG 3/4	10	30
6700401	P x FTG 1	5	o.r.
670040114	P x FTG 1 1/4	1	o.r.
670040112	P x FTG 1 1/2	1	8
6700402	P x FTG 2	1	6

### 70041

AUG 025

Heavy Steel Press Bend 45°



Article No.	Dimension	Bag*	Box
67004112	P x P 1/2	10	60
67004134	P x P 3/4	10	40
6700411	P x P 1	5	20
670041114	P x P 1 1/4	1	o.r.
670041112	P x P 1 1/2	1	6
6700412	P x P 2	1	o.r.

### 70130

AUG 025

Heavy Steel Press Tee



Article No.	Dimension	Bag*	Box
67013012	P x P x P 1/2	10	30
67013034	P x P x P 3/4	10	20
6701301	P x P x P 1	5	10
670130114	P x P x P 1 1/4	1	5
670130112	P x P x P 1 1/2	1	o.r.
6701302	P x P x P 2	1	o.r.
670130341234	P 3/4 x P 1/2 x P 3/4	10	20
6701301121	P 1 x P 1/2 x P 1	5	10
6701301341	P 1 x P 3/4 x P 1	5	10
67013011412114	P 1 1/4 x P 1/2 x P 1 1/4	1	o.r.
67013011434114	P 1 1/4 x P 3/4 x P 1 1/4	1	7
6701301141114	P 1 1/4 x P 1 x P 1 1/4	1	o.r.
67013011212112	P 1 1/2 x P 1/2 x P 1 1/2	1	7
67013011234112	P 1 1/2 x P 3/4 x P 1 1/2	1	6
6701301121112	P 1 1/2 x P 1 x P 1 1/2	1	5
670130112114112	P 1 1/2 x P 1 1/4 x P 1 1/2	1	4
6701302122	P 2 x P 1/2 x P 2	1	3
6701302342	P 2 x P 3/4 x P 2	1	3
670130212B	P 2 x P 1 x P 2	1	3
67013021142	P 2 x P 1 1/4 x P 2	1	3
67013021122	P 2 x P 1 1/2 x P 2	1	3

# SANHA®-Heavy Steel Press

## Product catalogue | (Series 70000)

### 70130G

AUG 025

Heavy Steel Press Tee, female



Article No.	Dimension	Bag*	Box
670130G3412	P 3/4 x FPT 1/2 x P 3/4	10	o.r.
670130G3434	P 3/4 x FPT 3/4 x P 3/4	10	o.r.
670130G112	P 1 x FPT 1/2 x P 1	5	10
670130G134	P 1 x FPT 3/4 x P 1	5	10
670130G11412	P 1 1/4 x FPT 1/2 x P 1 1/4	1	o.r.
670130G11434	P 1 1/4 x FPT 3/4 x P 1 1/4	1	o.r.
670130G1141	P 1 1/4 x FPT 1 x P 1 1/4	1	o.r.
670130G11212	P 1 1/2 x FPT 1/2 x P 1 1/2	1	7
670130G11234	P 1 1/2 x FPT 3/4 x P 1 1/2	1	o.r.
670130G1121	P 1 1/2 x FPT 1 x P 1 1/2	1	7
670130G112114	P 1 1/2 x FPT 1 1/4 x P 1 1/2	1	7
670130G212	P 2 x FPT 1/2 x P 2	1	4
670130G234	P 2 x FPT 3/4 x P 2	1	4
670130G21	P 2 x FPT 1 x P 2	1	4
670130G2114	P 2 x FPT 1 1/4 x P 2	1	4
670130G2112	P 2 x FPT 1 1/2 x P 2	1	4

### 70270

AUG 025

Heavy Steel Press Coupling



Article No.	Dimension	Bag*	Box
67027012	P x P 1/2	10	60
67027034	P x P 3/4	10	40
6702701	P x P 1	5	25
670270114	P x P 1 1/4	1	12
670270112	P x P 1 1/2	1	12
6702702	P x P 2	1	6

### 70270S

AUG 025

Heavy Steel Press Slip coupling



Article No.	Dimension	Bag*	Box
670270S12	P x P 1/2	10	50
670270S34	P x P 3/4	10	40
670270S1	P x P 1	5	o.r.
670270S114	P x P 1 1/4	1	o.r.
670270S112	P x P 1 1/2	1	12
670270S2	P x P 2	1	8

### 70270SL

AUG 025

Heavy Steel Press Slip coupling, extended



Article No.	Dimension	Bag*	Box
670270SL12	P x P 1/2	10	40
670270SL34	P x P 3/4	10	30
670270SL1	P x P 1	5	20
670270SL114	P x P 1 1/4	1	o.r.
670270SL112	P x P 1 1/2	1	8
670270SL2	P x P 2	1	o.r.

### 70240

AUG 025

Heavy Steel Press Reducing coupling



Article No.	Dimension	Bag*	Box
6702403412	P 3/4 x P 1/2	10	50
670240112	P 1 x P 1/2	5	35
670240134	P 1 x P 3/4	5	30
67024011434	P 1 1/4 x P 3/4	1	20
6702401141	P 1 1/4 x P 1	1	20
670240112114	P 1 1/2 x P 1 1/4	1	12
6702402114	P 2 x P 1 1/4	1	10
6702402112	P 2 x P 1 1/2	1	o.r.

### 70243

AUG 025

Heavy Steel Press Reducer



Article No.	Dimension	Bag*	Box
6702433412	FTG 3/4 x P 1/2	10	60
670243112	FTG 1 x P 1/2	5	50
670243134	FTG 1 x P 3/4	5	40
6702431141	FTG 1 1/4 x P 1	1	20
67024311234	FTG 1 1/2 x P 3/4	1	20
6702431121	FTG 1 1/2 x P 1	1	15
670243112114	FTG 1 1/2 x P 1 1/4	1	15
67024321	FTG 2 x P 1	1	o.r.
6702432114	FTG 2 x P 1 1/4	1	12
6702432112	FTG 2 x P 1 1/2	1	o.r.

## Product catalogue I (Series 70000)

### 70243G

AUG 025

Heavy Steel Press Male adaptor



Article No.	Dimension	Bag*	Box
670243G1212	P 1/2 x MPT 1/2	10	100
670243G3434	P 3/4 x MPT 3/4	10	60
670243G11	P 1 x MPT 1	5	30
670243G114114	P 1 1/4 x MPT 1 1/4	1	15
670243G112112	P 1 1/2 x MPT 1 1/2	1	15
670243G22	P 2 x MPT 2	1	10

### 70270G

AUG 025

Heavy Steel Press Female adaptor



Article No.	Dimension	Bag*	Box
670270G1212	P 1/2 x FPT 1/2	10	80
670270G3412	P 3/4 x FPT 1/2	10	60
670270G3434	P 3/4 x FPT 3/4	10	50
670270G112	P 1 x FPT 1/2	5	40
670270G134	P 1 x FPT 3/4	5	40
670270G11	P 1 x FPT 1	5	40
670270G11412	P 1 1/4 x FPT 1/2	1	20
670270G11434	P 1 1/4 x FPT 3/4	1	20
670270G1141	P 1 1/4 x FPT 1	1	20
670270G114114	P 1 1/4 x FPT 1 1/4	1	15
670270G11212	P 1 1/2 x FPT 1/2	1	20
670270G11234	P 1 1/2 x FPT 3/4	1	15
670270G1121	P 1 1/2 x FPT 1	1	15
670270G112114	P 1 1/2 x FPT 1 1/4	1	15
670270G112112	P 1 1/2 x FPT 1 1/2	1	15
670270G212	P 2 x FPT 1/2	1	10
670270G234	P 2 x FPT 3/4	1	10
670270G21	P 2 x FPT 1	1	10
670270G2114	P 2 x FPT 1 1/4	1	10
670270G2112	P 2 x FPT 1 1/2	1	10
670270G22	P 2 x FPT 2	1	10

### 70301

AUG 025

Heavy Steel Press End cap



Article No.	Dimension	Bag*	Box
67030112	P 1/2	10	120
67030134	P 3/4	10	80
6703011	P 1	5	50
670301114	P 1 1/4	1	20
670301112	P 1 1/2	1	o.r.
6703012	P 2	1	o.r.

### 70359G

AUG 025

Heavy Steel Press Union adaptor,  
flat seal

Article No.	Dimension	Bag*	Box
670359G1234	P 1/2 x FPT 3/4	10	o.r.
670359G341	P 3/4 x FPT 1	10	o.r.
670359G1114	P 1 x FPT 1 1/4	5	o.r.
670359G1112	P 1 x FPT 1 1/2	5	o.r.
670359G114112	P 1 1/4 x FPT 1 1/2	1	o.r.
670359G1142	P 1 1/4 x FPT 2	1	o.r.
670359G112112	P 1 1/2 x FPT 1 1/2	1	o.r.
670359G22	P 2 x FPT 2	1	o.r.

### 70333G

AUG 025

Heavy Steel Press Union,  
male, flat sealing

Article No.	Dimension	Bag*	Box
670333G1212	P 1/2 x MPT 1/2	10	o.r.
670333G3434	P 3/4 x MPT 3/4	10	o.r.
670333G11	P 1 x MPT 1	5	o.r.
670333G114114	P 1 1/4 x MPT 1 1/4	1	o.r.
670333G112112	P 1 1/2 x MPT 1 1/2	1	o.r.
670333G22	P 2 x MPT 2	1	o.r.

# SANHA®-Heavy Steel Press

Product catalogue I (Series 70000)

## 70-PF

AUG 025

Heavy Steel Press Flange



Article No.	Dimension	Bag*	Box
670PF114	P 1 1/4	1	o.r.
670PF112	P 1 1/2	1	2
670PF2	P 2	1	o.r.



# PIPING SYSTEMS

## Carbon steel



# SANHA<sup>®</sup> - Heavy Steel Press Gas

## Series 71000



### EINSATZBEREICHE

- | Natural gas, liquid gas (up to PN 5)
- | Compressed air
- | Fuel oil

More applications on demand.

# SANHA<sup>®</sup> - Heavy Steel Press Gas

## Series 71000

To join thick-walled steel pipes, time-consuming welding was previously necessary. With the press fittings of our new system „Heavy Steel Press“ system, we offer a safe and economic of thick-walled steel pipes, we offer a safe and economical alternative to welding.

The press fittings of the new „Heavy Steel Press Gas“ series series have yellow sealing rings made of HNBR. They are suitable for natural gas, propane, mineral oil, compressed air, nitrogen and heating oil. This makes them particularly suited for industrial applications, in power plants or for local or the local heating supply of commercial, industrial and residential areas.

### Operating conditions for SANHA<sup>®</sup> - Heavy Steel Press series 70000

Outside pipe diameter	$d \leq 1/2" - 2"$
Operating pressure*	8 bar
Operating temperature	-20 °C - +80 °C

#### Thread design

Pipe-thread	R/Rp according to EN 10226
-------------	----------------------------

\*see relevant national norm for natural gas

Please pay particular attention to our technical documentation and installation instructions! Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

### ADVANTAGES

#### Easy pressing

The fittings are provided with retaining teeth as well as a spacer and grip ring in front of the actual sealing ring. This effectively prevents damage to the sealing ring when the fitting is pushed onto the pipe.

During the pressing process, this prevents damage to the sealing ring when it is pushed onto the pipe and additionally strengthens the connection. Due to its special design, the sealing ring has a surface area that is 200 % larger than usual – this helps to seal remaining bumps and irregularities in the pipe and thus offers additional security for a permanently tight connection.

Leak path feature (certified forced leakage before pressing with EPDM and HNBR sealing rings)

#### More safety, higher economic efficiency of construction projects

The press fittings made of carbon steel are suitable for the installation of all thick-walled (seamless, welded, black, galvanised or epoxy resin-coated) pipes according to EN 10255, EN 10220 / 10216-1 or EN 10217-1.

The advantages are obvious: Installers save a lot of time, safety on the save a lot of time, and safety on the construction site is increased due to the elimination of open flames and the installation is more economical.

In addition to the significantly faster installation with steel pipes, the fittings made of carbon steel with their zinc-nickel coating and the robust, solid design, our fittings offer advantages during transport and over the entire life of a construction project.

## Product catalogue I (Series 71000)

### 71001A

AUG 026

Heavy Steel Press Gas Bend 90°



Article No.	Dimension	Bag*	Box
671001A12	P x FTG 1/2	10	50
671001A34	P x FTG 3/4	10	30
671001A1	P x FTG 1	5	15
671001A114	P x FTG 1 1/4	1	8
671001A112	P x FTG 1 1/2	1	5
671001A2	P x FTG 2	1	3

### 71041

AUG 026

Heavy Steel Press Gas Bend 45°



Article No.	Dimension	Bag*	Box
67104112	P x P 1/2	10	60
67104134	P x P 3/4	10	40
6710411	P x P 1	5	20
671041114	P x P 1 1/4	1	o.r.
671041112	P x P 1 1/2	1	6
6710412	P x P 2	1	o.r.

### 71002A

AUG 026

Heavy Steel Press Gas Bend 90°



Article No.	Dimension	Bag*	Box
671002A12	P x P 1/2	10	50
671002A34	P x P 3/4	10	30
671002A1	P x P 1	5	15
671002A114	P x P 1 1/4	1	7
671002A112	P x P 1 1/2	1	5
671002A2	P x P 2	1	4

### 71130

AUG 026

Heavy Steel Press Gas Tee



Article No.	Dimension	Bag*	Box
67113012	P x P x P 1/2	10	30
67113034	P x P x P 3/4	10	20
6711301	P x P x P 1	5	10
671130114	P x P x P 1 1/4	1	5
671130112	P x P x P 1 1/2	1	o.r.
6711302	P x P x P 2	1	o.r.
671130341234	P 3/4 x P 1/2 x P 3/4	10	20
6711301121	P 1 x P 1/2 x P 1	5	10
6711301341	P 1 x P 3/4 x P 1	5	10
67113011412114	P 1 1/4 x P 1/2 x P 1 1/4	1	o.r.
67113011434114	P 1 1/4 x P 3/4 x P 1 1/4	1	7
6711301141114	P 1 1/4 x P 1 x P 1 1/4	1	o.r.
67113011212112	P 1 1/2 x P 1/2 x P 1 1/2	1	7
67113011234112	P 1 1/2 x P 3/4 x P 1 1/2	1	6
6711301121112	P 1 1/2 x P 1 x P 1 1/2	1	5
671130112114112	P 1 1/2 x P 1 1/4 x P 1 1/2	1	4
6711302122	P 2 x P 1/2 x P 2	1	3
6711302342	P 2 x P 3/4 x P 2	1	3
671130212B	P 2 x P 1 x P 2	1	3
67113021142	P 2 x P 1 1/4 x P 2	1	3
67113021122	P 2 x P 1 1/2 x P 2	1	3

### 71040

AUG 026

Heavy Steel Press Gas Bend 45°



Article No.	Dimension	Bag*	Box
67104012	P x FTG 1/2	10	60
67104034	P x FTG 3/4	10	30
6710401	P x FTG 1	5	o.r.
671040114	P x FTG 1 1/4	1	o.r.
671040112	P x FTG 1 1/2	1	8
6710402	P x FTG 2	1	6

# SANHA®-Heavy Steel Press Gas

## Product catalogue I (Series 71000)

### 71130G

AUG 026

Heavy Steel Press Gas Tee, female



Article No.	Dimension	Bag*	Box
671130G3412	P 3/4 x FPT 1/2 x P 3/4	10	o.r.
671130G3434	P 3/4 x FPT 3/4 x P 3/4	10	o.r.
671130G112	P 1 x FPT 1/2 x P 1	5	10
671130G134	P 1 x FPT 3/4 x P 1	5	10
671130G11412	P 1 1/4 x FPT 1/2 x P 1 1/4	1	o.r.
671130G11434	P 1 1/4 x FPT 3/4 x P 1 1/4	1	o.r.
671130G1141	P 1 1/4 x FPT 1 x P 1 1/4	1	o.r.
671130G11212	P 1 1/2 x FPT 1/2 x P 1 1/2	1	7
671130G11234	P 1 1/2 x FPT 3/4 x P 1 1/2	1	o.r.
671130G1121	P 1 1/2 x FPT 1 x P 1 1/2	1	7
671130G112114	P 1 1/2 x FPT 1 1/4 x P 1 1/2	1	7
671130G212	P 2 x FPT 1/2 x P 2	1	4
671130G234	P 2 x FPT 3/4 x P 2	1	4
671130G21	P 2 x FPT 1 x P 2	1	4
671130G2114	P 2 x FPT 1 1/4 x P 2	1	4
671130G2112	P 2 x FPT 1 1/2 x P 2	1	4

### 71270

AUG 026

Heavy Steel Press Gas Coupling



Article No.	Dimension	Bag*	Box
67127012	P x P 1/2	10	60
67127034	P x P 3/4	10	40
6712701	P x P 1	5	25
671270114	P x P 1 1/4	1	12
671270112	P x P 1 1/2	1	12
6712702	P x P 2	1	6

### 71270S

AUG 026

Heavy Steel Press Gas Slip coupling



Article No.	Dimension	Bag*	Box
671270S12	P x P 1/2	10	50
671270S34	P x P 3/4	10	40
671270S1	P x P 1	5	o.r.
671270S114	P x P 1 1/4	1	o.r.
671270S112	P x P 1 1/2	1	12
671270S2	P x P 2	1	8

### 71270SL

AUG 026

Heavy Steel Press Gas Slip coupling, extended



Article No.	Dimension	Bag*	Box
671270SL12	P x P 1/2	10	40
671270SL34	P x P 3/4	10	30
671270SL1	P x P 1	5	20
671270SL114	P x P 1 1/4	1	o.r.
671270SL112	P x P 1 1/2	1	8
671270SL2	P x P 2	1	o.r.

### 71240

AUG 026

Heavy Steel Press Gas Reducing coupling



Article No.	Dimension	Bag*	Box
6712403412	P 3/4 x P 1/2	10	50
671240112	P 1 x P 1/2	5	35
671240134	P 1 x P 3/4	5	30
67124011434	P 1 1/4 x P 3/4	1	20
6712401141	P 1 1/4 x P 1	1	20
671240112114	P 1 1/2 x P 1 1/4	1	12
6712402114	P 2 x P 1 1/4	1	10
6712402112	P 2 x P 1 1/2	1	o.r.

### 71243

AUG 026

Heavy Steel Press Gas Reducer



Article No.	Dimension	Bag*	Box
6712433412	FTG 3/4 x P 1/2	10	60
671243112	FTG 1 x P 1/2	5	50
671243134	FTG 1 x P 3/4	5	40
6712431141	FTG 1 1/4 x P 1	1	20
67124311234	FTG 1 1/2 x P 3/4	1	20
6712431121	FTG 1 1/2 x P 1	1	15
671243112114	FTG 1 1/2 x P 1 1/4	1	15
67124321	FTG 2 x P 1	1	o.r.
6712432114	FTG 2 x P 1 1/4	1	12
6712432112	FTG 2 x P 1 1/2	1	o.r.

## Product catalogue I (Series 71000)

### 71243G

AUG 026

Heavy Steel Press Gas Male adaptor



Article No.	Dimension	Bag*	Box
671243G1212	P 1/2 x MPT 1/2	10	100
671243G3434	P 3/4 x MPT 3/4	10	60
671243G11	P 1 x MPT 1	5	30
671243G114114	P 1 1/4 x MPT 1 1/4	1	15
671243G112112	P 1 1/2 x MPT 1 1/2	1	15
671243G22	P 2 x MPT 2	1	10

### 71301

AUG 026

Heavy Steel Press Gas End cap



Article No.	Dimension	Bag*	Box
67130112	P 1/2	10	120
67130134	P 3/4	10	80
6713011	P 1	5	50
671301114	P 1 1/4	1	20
671301112	P 1 1/2	1	o.r.
6713012	P 2	1	o.r.

### 71270G

AUG 026

Heavy Steel Press Gas Female adaptor



Article No.	Dimension	Bag*	Box
671270G1212	P 1/2 x FPT 1/2	10	80
671270G3412	P 3/4 x FPT 1/2	10	60
671270G3434	P 3/4 x FPT 3/4	10	50
671270G112	P 1 x FPT 1/2	5	40
671270G134	P 1 x FPT 3/4	5	40
671270G11	P 1 x FPT 1	5	40
671270G11412	P 1 1/4 x FPT 1/2	1	20
671270G11434	P 1 1/4 x FPT 3/4	1	20
671270G1141	P 1 1/4 x FPT 1	1	20
671270G114114	P 1 1/4 x FPT 1 1/4	1	15
671270G11212	P 1 1/2 x FPT 1/2	1	20
671270G11234	P 1 1/2 x FPT 3/4	1	15
671270G1121	P 1 1/2 x FPT 1	1	15
671270G112114	P 1 1/2 x FPT 1 1/4	1	15
671270G112112	P 1 1/2 x FPT 1 1/2	1	15
671270G212	P 2 x FPT 1/2	1	10
671270G234	P 2 x FPT 3/4	1	10
671270G21	P 2 x FPT 1	1	10
671270G2114	P 2 x FPT 1 1/4	1	10
671270G2112	P 2 x FPT 1 1/2	1	10
671270G22	P 2 x FPT 2	1	10

### 71-PF

AUG 026

Heavy Steel Press Gas Flange



Article No.	Dimension	Bag*	Box
671PF114	P 1 1/4	1	o.r.
671PF112	P 1 1/2	1	2
671PF2	P 2	1	o.r.



# PIPING SYSTEMS

## Carbon steel



# SANHA<sup>®</sup>-Therm

## Series 24000

**combipress**  
= Tool Compatibility + Push & Stay  
+ Leak Path Feature  
**exclusive from SANHA**

### AREAS OF APPLICATION

- | Compressed air (dry, oil content  $\leq 25 \text{ mg/m}^3$ )
- | Sprinkler systems (wet)
- | Heating - closed circuits (no DZ pipes)
- | Ship building
- | Cooling water (closed system)



# SANHA<sup>®</sup>-Therm

## Series 24000

The SANHA<sup>®</sup>-Therm piping system consists of tried and trusted SANHA<sup>®</sup>-Therm press fittings with a black moulded EPDM sealing ring and SANHA<sup>®</sup>-Therm carbon steel pipes according to EN 10305-3.

The carefully manufactured piping system and its components offer an economically attractive solution for closed heating installations. At the same time, SANHA<sup>®</sup>-Therm is especially well suited for pressurised air and fire extinguishing systems according to EN 10346 (DZ version). The variant also offers hotdip galvanised system pipes which are characterised by being easy to bend.

Carbon steel pipes need special treatment concerning corrosion and can therefore only be used when all relevant general norms and regulations are followed. SANHA<sup>®</sup>-Therm press fittings are marked with a red dot on the outside.

### Operating conditions for SANHA<sup>®</sup>-Therm system press fittings from carbon steel

Water and aqueous solutions

Gases industriales (no tóxicos, no inflamable)

Outside pipe diameter	d ≤ 108 mm
Operating pressure	16 bar
Operating temperature SANHA <sup>®</sup> -Therm press fittings with black EPDM sealing ring	-30 °C – +120 °C
Pipe thread	R/Rp thread according to EN 10226
Fastening thread	G thread according to ISO 228

All pipes are available in 3 and 6 m lengths.

Please pay particular attention to our technical documentation and installation instructions! Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

## FEATURES

### Combipress

- **Tool compatibility:** pressable with press jaws and slings with original SA, V and M profile up to and including 54 mm (with M and SA up to 108 mm).
- **Leak path feature:** (certified forced leakage before pressing with EPDM and HNBR sealing rings) in combination with
- **Push & Stay:** Pipe is retained after locating into the SANHA fitting, this feature is inclusive on fittings up to 54 mm

### Fast installation, no risk of fire

- The connection with carbon steel pipes by cold pressing enables a fast, time-saving installation and eliminates the risk of fire during the process. The SANHA<sup>®</sup>-Therm system is therefore ideally suited for renovation work.

### Exceptional flexibility

- Permanent connection with carbon steel system pipes according to EN 10305-3 and/or EN 10346 (DZ version):  
**SANHA<sup>®</sup>-Therm installation pipes, galvanised on the outside:** TIG-welded, pressure tight precision steel pipes in unalloyed steel E195 (material no. 1.0034) · Ideally suited for heating thanks to no galvanisation of the inside = no risk of pump pollution  
**SANHA<sup>®</sup>-Therm installation pipes, DZ version, galvanised on the in- and outside:** TIG-welded, precision steel pipes with optimised wall thickness from unalloyed steel · Pipes are made from continuously galvanised steel (Sendzimir process) according to EN 10346 · Higher corrosion resistance due to galvanisation on both sides and therefore optimally suited for use in fire extinguishing and sprinkler systems · Material E 195 (Z275 MBO) with the material no. 1.0034 according to EN 10305-3 · Condition on delivery +CR2 · Available in the dimensions 22-108 mm (sprinkler portfolio)  
**SANHA<sup>®</sup>-Therm installation pipes, galvanised:**  
Hot-dip galvanised unalloyed steel with optimised wall thickness · Material E195, material no. 1.0034 according to EN 10305-3 · Optimised wall thickness allows easy bending · invisible welding seam · clean, dry and oil-free surface
- Superior corrosion resistance due to galvanisation of one or both sides (depending on version)
- All dimensions 12-108 mm including 67 mm
- Safe connection
- Thread compliant with EN 10226 and/or ISO7/1 type R and Rp



## Product catalogue I (Series 24000)

### 24000

AUG 482

SANHA®-Therm system pipe, carbon steel 1.0034, in 6 m rods, for heating, compressed air and cooling systems (in closed systems)



Article No.	Dimension	Bag*	Box
12400012	12 x 1.2	600	o. r.
12400015	15 x 1.2	600	o. r.
12400018	18 x 1.2	348	o. r.
12400022	22 x 1.5	420	o. r.
12400028	28 x 1.5	240	o. r.
12400035	35 x 1.5	180	o. r.
12400042	42 x 1.5	120	o. r.
12400054	54 x 1.5	60	o. r.
12400067	67 x 1.5	30	o. r.
12400076	76.1 x 2.0	30	o. r.
12400089	88.9 x 2.0	30	o. r.
124000108	108.0 x 2.0	30	o. r.

### 24000#

AUG 482

SANHA®-Therm system pipe, carbon steel 1.0034 Contiflo galvanized, in 6 m rods, for heating, compressed air and cooling systems (in closed systems)



Article No.	Dimension	Bag*	Box
12400012#	12 x 1.2	624	o. r.
12400015#	15 x 1.2	1290	o. r.
12400018#	18 x 1.2	1524	o. r.
12400022#	22 x 1.5	1290	o. r.
12400028#	28 x 1.5	624	o. r.
12400035#	35 x 1.5	402	o. r.
12400042#	42 x 1.5	402	o. r.
12400054#	54 x 1.5	366	o. r.
12400076#	76.1 x 2.0	222	o. r.

### 24000-DZ

AUG 482

SANHA®-Therm DZ carbon steel system pipe, internally and externally zinc-coated for sprinkler, compressed air and closed heat and cooling systems, 6 m rods



Article No.	Dimension	Bag*	Box
124000DZ18	18 x 1.2	348	o. r.
124000DZ22	22 x 1.5	420	o. r.
124000DZ28	28 x 1.5	240	o. r.
124000DZ35	35 x 1.5	180	o. r.

### 24000-DZ

AUG 482

SANHA®-Therm DZ carbon steel system pipe, internally and externally zinc-coated for sprinkler, compressed air and closed heat and cooling systems, 6 m rods



Article No.	Dimension	Bag*	Box
124000DZ42	42 x 1.5	120	o. r.
124000DZ54	54 x 1.5	60	o. r.
124000DZ76	76.1 x 2.0	30	o. r.
124000DZ89	88.9 x 2.0	30	o. r.
124000DZ108	108.0 x 2.0	30	o. r.

### 24500

AUG 482

SANHA®-Therm system pipe, carbon steel 1.0034, in 3 m rods, for heating, compressed air and cooling systems (in closed systems)



Article No.	Dimension	Bag*	Box
12450012	12 x 1.2	300	o. r.
12450015	15 x 1.2	300	o. r.
12450018	18 x 1.2	174	o. r.
12450022	22 x 1.5	210	o. r.
12450028	28 x 1.5	120	o. r.
12450035	35 x 1.5	90	o. r.
12450042	42 x 1.5	60	o. r.
12450054	54 x 1.5	30	o. r.
12450067	67 x 1.5	15	o. r.
12450076	76.1 x 2.0	15	o. r.
12450089	88.9 x 2.0	15	o. r.
124500108	108.0 x 2.0	15	o. r.

### 24500#

AUG 482

SANHA®-Therm system pipe, carbon steel 1.0034 Contiflo galvanized, in 3 m rods, for heating, compressed air and cooling systems (in closed systems)



Article No.	Dimension	Bag*	Box
12450012#	12 x 1.2	o. r.	o. r.
12450015#	15 x 1.2	o. r.	o. r.
12450018#	18 x 1.2	o. r.	o. r.
12450022#	22 x 1.5	o. r.	o. r.
12450028#	28 x 1.5	o. r.	o. r.
12450035#	35 x 1.5	o. r.	o. r.
12450042#	42 x 1.5	o. r.	o. r.
12450054#	54 x 1.5	o. r.	o. r.
12450076#	76.1 x 2.0	o. r.	o. r.

# SANHA®-Therm

## Product catalogue | (Series 24000)

### 24500-DZ

AUG 482

SANHA®-Therm DZ carbon steel system pipe, internally and externally zinc-coated for sprinkler, compressed air and closed heat and cooling systems, 3 m rods



Article No.	Dimension	Bag*	Box
124500DZ18	18 x 1.2	174	o. r.
124500DZ22	22 x 1.5	210	o. r.
124500DZ28	28 x 1.5	120	o. r.
124500DZ35	35 x 1.5	90	o. r.
124500DZ42	42 x 1.5	60	o. r.
124500DZ54	54 x 1.5	30	o. r.
124500DZ76	76.1 x 2.0	15	o. r.
124500DZ89	88.9 x 2.0	15	o. r.
124500DZ108	108.0 x 2.0	15	o. r.

### 24001A

AUG 016

SANHA®-Therm Bend 90°, female/male plain end



Article No.	Dimension	Bag	Box
124001A12	12	10	500
124001A15	15	10	350
124001A18	18	10	250
124001A22	22	10	130
124001A28	28	5	75
124001A35	35	2	30
124001A42	42	2	22
124001A54	54	2	12
124001A67	67	1	8
124001A76	76.1	1	5
124001A89	88.9	1	2
124001A108	108.0	1	1

### 24002A

AUG 016

SANHA®-Therm Bend 90°, female/female end



Article No.	Dimension	Bag	Box
124002A12	12	10	500
124002A15	15	10	300
124002A18	18	10	200
124002A22	22	10	130
124002A28	28	5	70

### 24002A

AUG 016

SANHA®-Therm Bend 90°, female/female end



Article No.	Dimension	Bag	Box
124002A35	35	2	30
124002A42	42	2	24
124002A54	54	2	12
124002A67	67	1	6
124002A76	76.1	1	4
124002A89	88.9	1	2
124002A108	108.0	1	1

### 24002G

AUG 016

SANHA®-Therm Bend 90°, female end and female thread



Article No.	Dimension	Bag	Box
124002G2234	22 x 3/4	10	70
124002G2812	28 x 1/2	5	60
124002G281	28 x 1	5	50
124002G3512	35 x 1/2	2	30
124002G35114	35 x 1 1/4	2	24
124002G42112	42 x 1 1/2	2	16
124002G542	54 x 2	2	8

### 24003

AUG 016

SANHA®-Therm Bend 90°, male plain ends



Article No.	Dimension	Bag	Box
12400315	15	10	100
12400318	18	10	80
12400322	22	10	70
12400328	28	5	30
12400335	35	1	15
12400342	42	2	10
12400354	54	2	6

## Product catalogue | (Series 24000)

### 24040

AUG 016

SANHA®-Therm Bend 45°, female/male plain end



Article No.	Dimension	Bag	Box
12404012	12	10	600
12404015	15	10	400
12404018	18	10	250
12404022	22	10	180
12404028	28	5	90
12404035	35	2	40
12404042	42	2	30
12404054	54	2	14
12404067	67	1	10
12404076	76.1	1	6
12404089	88.9	1	3
124040108	108.0	1	2

### 24041

AUG 016

SANHA®-Therm Bend 45°, female/female end



Article No.	Dimension	Bag	Box
12404112	12	10	600
12404115	15	10	350
12404118	18	10	250
12404122	22	10	160
12404128	28	5	80
12404135	35	2	40
12404142	42	2	30
12404154	54	2	16
12404167	67	1	12
12404176	76.1	1	6
12404189	88.9	1	3
124041108	108.0	1	2

### 24085

AUG 016

SANHA®-Therm Crossover, female/female end



Article No.	Dimension	Bag	Box
12408515	15	10	150
12408518	18	10	90
12408522	22	10	50
12408528	28	5	35

### 24086

AUG 016

SANHA®-Therm Crossover, female/male plain end



Article No.	Dimension	Bag	Box
12408612	12	10	300
12408615	15	10	200
12408618	18	10	150
12408622	22	10	80
12408628	28	5	40

### 24090G

AUG 016

SANHA®-Therm Elbow 90°, female end and female thread



Article No.	Dimension	Bag	Box
124090G1512	15 x 1/2	10	150
124090G1812	18 x 1/2	10	150
124090G2212	22 x 1/2	10	100
124090G2234	22 x 3/4	10	80
124090G2812	28 x 1/2	5	60
124090G281	28 x 1	5	30
124090G35114	35 x 1 1/4	2	20
124090G42112	42 x 1 1/2	2	12
124090G542	54 x 2	2	6

### 24092G

AUG 016

SANHA®-Therm Elbow 90°, female end and male thread



Article No.	Dimension	Bag	Box
124092G1238	12 x 3/8	10	250
124092G1538	15 x 3/8	10	200
124092G1512	15 x 1/2	10	200
124092G1812	18 x 1/2	10	160
124092G2234	22 x 3/4	10	80
124092G281	28 x 1	5	50
124092G35114	35 x 1 1/4	2	30
124092G42112	42 x 1 1/2	2	12
124092G542	54 x 2	2	10

## Product catalogue | (Series 24000)

### 24130

AUG 016

SANHA®-Therm Tee, female ends



Article No.	Dimension	Bag	Box
12413012	12	10	350
12413015	15	10	200
12413018	18	10	150
12413022	22	10	80
12413028	28	5	50
12413035	35	2	30
12413042	42	2	20
12413054	54	2	8
12413067	67	1	6
12413076	76.1	1	3
12413089	88.9	1	2
124130108	108.0	1	1
124130121512	12 x 15 x 12	10	300
124130151215	15 x 12 x 15	10	200
124130151815	15 x 18 x 15	10	180
124130152215	15 x 22 x 15	10	120
124130181515	18 x 15 x 15	10	200
124130181518	18 x 15 x 18	10	150
124130181815	18 x 18 x 15	10	180
124130182218	18 x 22 x 18	10	90
124130221222	22 x 12 x 22	10	130
124130221515	22 x 15 x 15	10	150
124130221518	22 x 15 x 18	10	150
124130221522	22 x 15 x 22	10	100
124130221818	22 x 18 x 18	10	130
124130221822	22 x 18 x 22	10	100
124130222215	22 x 22 x 15	10	100
124130222218	22 x 22 x 18	10	100
124130222822	22 x 28 x 22	5	70
124130281522	28 x 15 x 22	5	80
124130281528	28 x 15 x 28	5	70
124130281822	28 x 18 x 22	5	90
124130281828	28 x 18 x 28	5	70
124130282222	28 x 22 x 22	5	70
124130282228	28 x 22 x 28	5	60
124130282815	28 x 28 x 15	5	60
124130282818	28 x 28 x 18	5	60
124130282822	28 x 28 x 22	5	70
124130283528	28 x 35 x 28	2	40
124130351535	35 x 15 x 35	2	40
124130351835	35 x 18 x 35	2	40
124130352222	35 x 22 x 22	2	50
124130352228	35 x 22 x 28	2	40

### 24130

AUG 016

SANHA®-Therm Tee, female ends



Article No.	Dimension	Bag	Box
124130352235	35 x 22 x 35	2	36
124130352828	35 x 28 x 28	2	44
124130352835	35 x 28 x 35	2	30
124130353522	35 x 35 x 22	2	40
124130353528	35 x 35 x 28	2	30
124130421542	42 x 15 x 42	2	24
124130421842	42 x 18 x 42	2	20
124130422242	42 x 22 x 42	2	24
124130422842	42 x 28 x 42	2	20
124130423535	42 x 35 x 35	2	24
124130423542	42 x 35 x 42	2	20
124130542254	54 x 22 x 54	2	16
124130542854	54 x 28 x 54	2	14
124130543554	54 x 35 x 54	2	12
124130544254	54 x 42 x 54	2	10
124130672867	67 x 28 x 67	1	10
124130673567	67 x 35 x 67	1	8
124130674267	67 x 42 x 67	1	8
124130675467	67 x 54 x 67	1	6
124130762276	76.1 x 22 x 76.1	1	5
124130762876	76.1 x 28 x 76.1	1	5
124130763576	76.1 x 35 x 76.1	1	5
124130764276	76.1 x 42 x 76.1	1	5
124130765476	76.1 x 54 x 76.1	1	5
124130766776	76.1 x 67 x 76.1	1	5
124130895489	88.9 x 54 x 88.9	1	3
124130897689	88.9 x 76.1 x 88.9	1	2
12413010854108	108.0 x 54 x 108.0	1	2
12413010867108	108.0 x 67 x 108.0	1	2
12413010876108	108.0 x 76.1 x 108.0	1	1
12413010889108	108.0 x 88.9 x 108.0	1	1

### 24130G

AUG 016

SANHA®-Therm Tee, female/female end and female thread



Article No.	Dimension	Bag	Box
124130G1212	12 x 1/2 x 12	10	150
124130G1512	15 x 1/2 x 15	10	80
124130G1812	18 x 1/2 x 18	10	60
124130G2212	22 x 1/2 x 22	10	50
124130G2234	22 x 3/4 x 22	10	30

## Product catalogue | (Series 24000)

### 24130G

AUG 016

SANHA®-Therm Tee, female/female end and female thread



Article No.	Dimension	Bag	Box
124130G2812	28 x 1/2 x 28	5	30
124130G2834	28 x 3/4 x 28	5	30
124130G281	28 x 1 x 28	5	25
124130G3512	35 x 1/2 x 35	2	16
124130G3534	35 x 3/4 x 35	2	18
124130G351	35 x 1 x 35	2	16
124130G4212	42 x 1/2 x 42	2	12
124130G4234	42 x 3/4 x 42	2	12
124130G5412	54 x 1/2 x 54	2	8
124130G5434	54 x 3/4 x 54	2	8
124130G7634	76.1 x 3/4 x 76.1	1	4
124130G8934	88.9 x 3/4 x 88.9	1	4
124130G10834	108.0 x 3/4 x 108.0	1	2

### 24130L

AUG 016

SANHA®-Therm Tee, long, female ends



Article No.	Dimension	Bag	Box
124130L15	15	10	200

### 24180

AUG 020

SANHA®-Therm Cross, for mixture-free crossing of pipes in the same plane, chromium-plated



Article No.	Dimension	Bag	Box
1241801512	15 x 12	1	30
1241802212	22 x 12	1	20
1241802215	22 x 15	1	20

### 24181.1

AUG 016

SANHA®-Therm Cross distributor, two planes



Article No.	Dimension	Bag	Box
12418115.1	15	1	40
1241811815.1	18 x 15	1	35
1241812215.1	22 x 15	1	20

### 24181.1

AUG 016

SANHA®-Therm Cross distributor, two planes



Article No.	Dimension	Bag	Box
1241812218.1	22 x 18	1	20
1241812815.1	28 x 15	1	20
1241812818.1	28 x 18	1	20

### 24240

AUG 016

SANHA®-Therm Reducing coupling, female/female end



Article No.	Dimension	Bag	Box
1242401512	15 x 12	10	600
1242401812	18 x 12	10	400
1242401815	18 x 15	10	350
1242402215	22 x 15	10	250
1242402218	22 x 18	10	250
1242402815	28 x 15	5	160
1242402818	28 x 18	5	150
1242402822	28 x 22	5	125
1242403522	35 x 22	2	100
1242403528	35 x 28	2	80
1242404222	42 x 22	2	70
1242404228	42 x 28	2	60
1242404235	42 x 35	2	44
1242405428	54 x 28	2	32
1242405435	54 x 35	2	30
1242405442	54 x 42	2	30

### 24243

AUG 016

SANHA®-Therm Fitting reducer, with female end and male plain end



Article No.	Dimension	Bag	Box
1242431512	15a x 12	10	600
1242431812	18a x 12	10	500
1242431815	18a x 15	10	360
1242432215	22a x 15	10	300
1242432218	22a x 18	10	250
1242432815	28a x 15	5	200
1242432818	28a x 18	5	150
1242432822	28a x 22	5	120
1242433522	35a x 22	2	80

## Product catalogue | (Series 24000)

### 24243

AUG 016

SANHA®-Therm Fitting reducer, with female end and male plain end



Article No.	Dimension	Bag	Box
1242433528	35a x 28	2	70
1242434222	42a x 22	2	70
1242434228	42a x 28	2	50
1242434235	42a x 35	2	60
1242435435	54a x 35	2	40
1242435442	54a x 42	2	36
1242436728	67a x 28	1	20
1242436735	67a x 35	1	20
1242436742	67a x 42	1	18
1242436754	67a x 54	1	20
1242437635	76.1a x 35	1	15
1242437642	76.1a x 42	1	15
1242437654	76.1a x 54	1	15
1242437667	76.1a x 67	1	15
1242438954	88.9a x 54	1	10
1242438976	88.9a x 76.1	1	10
12424310842	108.0a x 42	1	4
12424310854	108.0a x 54	1	4
12424310867	108.0a x 67	1	4
12424310876	108.0a x 76.1	1	4
12424310889	108.0a x 88.9	1	4

### 24243G

AUG 016

SANHA®-Therm Adaptor, with female end and male thread



Article No.	Dimension	Bag	Box
124243G1238	12 x 3/8	10	300
124243G1538	15 x 3/8	10	250
124243G1512	15 x 1/2	10	200
124243G1534	15 x 3/4	10	150
124243G1812	18 x 1/2	10	150
124243G1834	18 x 3/4	10	150
124243G2212	22 x 1/2	10	100
124243G2234	22 x 3/4	10	100
124243G221	22 x 1	10	80
124243G2834	28 x 3/4	5	60
124243G281	28 x 1	5	50
124243G28114	28 x 1 1/4	5	45

### 24243G

AUG 016

SANHA®-Therm Adaptor, with female end and male thread



Article No.	Dimension	Bag	Box
124243G351	35 x 1	2	30
124243G35114	35 x 1 1/4	2	30
124243G42114	42 x 1 1/4	2	30
124243G42112	42 x 1 1/2	2	24
124243G542	54 x 2	2	16
124243G67212	67 x 2 1/2	1	10
124243G76212	76.1 x 2 1/2	1	5
124243G763	76.1 x 3	1	5
124243G893	88.9 x 3	1	4
124243G1084	108.0 x 4	1	2

### 24246G

AUG 016

SANHA®-Therm Transition element, with male plain end and female thread



Article No.	Dimension	Bag	Box
124246G1212	12a x 1/2	10	250
124246G1512	15a x 1/2	10	200
124246G1812	18a x 1/2	10	200
124246G2212	22a x 1/2	10	200
124246G2234	22a x 3/4	10	150

### 24250

AUG 016

SANHA®-Therm Adaptor, with female end and groove for tube coupling



Article No.	Dimension	Bag	Box
12425028337	28 x 33.7	5	60
12425035424	35 x 42.4	2	50
12425042483	42 x 48.3	2	30
12425054603	54 x 60.3	2	24
124250761761	76.1 x 76.1	1	6
124250889889	88.9 x 88.9	1	4
124250108114	108 x 114	1	2

## Product catalogue | (Series 24000)

### 24270

AUG 016

SANHA®-Therm Coupling,  
female/female end



Article No.	Dimension	Bag	Box
12427012	12	10	600
12427015	15	10	400
12427018	18	10	300
12427022	22	10	160
12427028	28	5	110
12427035	35	2	50
12427042	42	2	40
12427054	54	2	28
12427067	67	1	14
12427076	76.1	1	10
12427089	88.9	1	6
124270108	108.0	1	4

### 24270S

AUG 016

SANHA®-Therm Slip coupling,  
female/female end



Article No.	Dimension	Bag	Box
124270S12	12	10	700
124270S15	15	10	300
124270S18	18	10	250
124270S22	22	10	150
124270S28	28	5	80
124270S35	35	2	50
124270S42	42	2	40
124270S54	54	2	24
124270S67	67	1	15
124270S76	76.1	1	10
124270S89	88.9	1	5
124270S108	108.0	1	3

### 24270G

AUG 016

SANHA®-Therm Transition coupling,  
with female end and female thread



Article No.	Dimension	Bag	Box
124270G1212	12 x 1/2	10	300
124270G1512	15 x 1/2	10	160
124270G1812	18 x 1/2	10	120
124270G1834	18 x 3/4	10	120
124270G2212	22 x 1/2	10	80
124270G2234	22 x 3/4	10	70
124270G221	22 x 1	10	60
124270G2812	28 x 1/2	5	70
124270G2834	28 x 3/4	5	50
124270G281	28 x 1	5	50
124270G28114	28 x 1 1/4	5	40
124270G351	35 x 1	2	30
124270G35114	35 x 1 1/4	2	30
124270G35112	35 x 1 1/2	2	30
124270G42114	42 x 1 1/4	2	30
124270G42112	42 x 1 1/2	2	24
124270G54112	54 x 1 1/2	2	20
124270G542	54 x 2	2	16
124270G67212	67 x 2 1/2	1	10
124270G76212	76 x 2 1/2	1	5
124270G893	88.9 x 3	1	3

### 24280G

AUG 016

SANHA®-Therm Adaptor,  
with male plain end and male thread



Article No.	Dimension	Bag	Box
124280G1212	12a x 1/2	10	350
124280G1512	15a x 1/2	10	350
124280G1812	18a x 1/2	10	250
124280G1834	18a x 3/4	10	150
124280G2212	22a x 1/2	10	150
124280G2234	22a x 3/4	10	150

### 24290

AUG 016

SANHA®-Therm Plug, male end

Article No.	Dimension	Bag	Box
12429018	18	10	300
12429028	28	5	o.r.

# SANHA®-Therm

## Product catalogue | (Series 24000)

### 24301

AUG 016

SANHA®-Therm Cap, female end



Article No.	Dimension	Bag	Box
12430112	12	10	1000
12430115	15	10	800
12430118	18	10	700
12430122	22	10	300
12430128	28	5	250
12430135	35	2	120
12430142	42	2	90
12430154	54	2	50
12430167	67	1	30
12430176	76.1	1	20
12430189	88.9	1	14
124301108	108.0	1	10

### 24330

AUG 016

SANHA®-Therm Union, flat sealing, female/female end



Article No.	Dimension	Bag	Box
12433015	15	5	100
12433018	18	5	100
12433022	22	5	60
12433028	28	5	40
12433035	35	2	30
12433042	42	2	18
12433054	54	2	10

### 24333G

AUG 016

SANHA®-Therm Union, flat sealing, with female end and male thread



Article No.	Dimension	Bag	Box
124333G1512	15 x 1/2	5	120
124333G1812	18 x 1/2	5	100
124333G2234	22 x 3/4	5	60
124333G221	22 x 1	5	60
124333G281	28 x 1	5	40
124333G35114	35 x 1 1/4	2	20
124333G42112	42 x 1 1/2	2	12
124333G542	54 x 2	2	8

### 24359G

AUG 016

SANHA®-Therm Union adaptor, flat sealing, female end



Article No.	Dimension	Bag	Box
124359G1534	15 x 3/4	5	200
124359G1834	18 x 3/4	5	160
124359G181	18 x 1	5	120
124359G2234	22 x 3/4	5	120
124359G221	22 x 1	5	100
124359G22114	22 x 1 1/4	5	80
124359G28114	28 x 1 1/4	5	70
124359G28112	28 x 1 1/2	5	50
124359G35112	35 x 1 1/2	2	40
124359G352	35 x 2	2	30
124359G42112	42 x 1 1/2	2	24
124359G42134	42 x 1 3/4	2	30
124359G422	42 x 2	2	30
124359G542	54 x 2	2	20
124359G54238	54 x 2 3/8	2	16
124359G762	76.1 x 2	1	6
124359G763	76.1 x 3	1	10
124359G893	88.9 x 3	1	4
124359G89312	88.9 x 3 1/2	1	6

### 24580

AUG 020

SANHA®-Therm Cross tee, with 50 mm high insulation box, for mixture-free crossing of pipes keeping minimum installation heights



Article No.	Dimension	Bag	Box
12458015	15	o.r.	5
124580151215	15 x 12 x 15	o.r.	5
124580221522	22 x 15 x 22	o.r.	5

### 24580.1

AUG 020

SANHA-Therm Cross tee, for mixture-free crossing of pipes keeping minimum installation heights (without insulation box)



Article No.	Dimension	Bag	Box
124580115	15	1	10
1245801221522	22 x 15 x 22	1	10
1245801221822	22 x 18 x 22	1	10



## Product catalogue | (Series 24000)

### 24-BM-PF

AUG 016

SANHA®-Therm Crimping flange PN 10/16



Article No.	Dimension	Bag	Box
124BMPF42	DN 40 / 42 mm	o.r.	3
124BMPF54	DN 50 / 54 mm	o.r.	2
124BMPF67	DN - / 66.7 mm	o.r.	2
124BMPF76	DN 65 / 76.1 mm	o.r.	3
124BMPF76_DN80	DN 80 / 76.1 mm	o.r.	2
124BMPF89	DN 80 / 88.9 mm	o.r.	2
124BMPF108	DN 100 / 108.0 mm	o.r.	1

### 24-BM-PF-PN6

AUG 016

SANHA®-Therm Crimping flange PN 6



Article No.	Dimension	Bag	Box
124BMPF35PN6	DN 32 / 35 mm	1	4
124BMPF42PN6	DN 40 / 42 mm	1	4
124BMPF54PN6	DN 50 / 54 mm	1	4
124BMPF67PN6	DN - / 66.7 mm	1	2
124BMPF76PN6	DN 65 / 76.1 mm	1	2
124BMPF89PN6	DN 80 / 88.9 mm	1	2
124BMPF108PN6	DN 100 / 108.0 mm	1	1

### 24-BM-PF-L4

AUG 016

SANHA®-Therm Crimping flange PN10/16, 4-hole



Article No.	Dimension	Bag	Box
124BMPF76L4	DN 65 / 76.1 mm	o.r.	3

### FL-D-PN6

AUG 602

High-pressure flange seal, asbestos-free, suitable for weld neck, threaded, press and loose flanges, max. 400°C, resistant against water, vapour, fuels, diluted alkaline solutions, oils, gases (DVGW tested according to DIN 3535 Part 6). Dimensions according to DIN EN 1514 - 1.2 mm thick for flanges. PN 6



Article No.	Dimension	Bag	Box
1D32PN6	DN 32 (43 x 76 x 2 mm)	o. r.	o. r.
1D40PN6	DN 40 (49 x 86 x 2 mm)	o. r.	o. r.
1D50PN6	DN 50 (61 x 96 x 2 mm)	o. r.	o. r.
1D65PN6	DN 65 (77 x 116 x 2 mm)	o. r.	o. r.
1D80PN6	DN 80 (89 x 132 x 2 mm)	o. r.	o. r.
1D100PN6	DN 100 (115 x 152 x 2 mm)	o. r.	o. r.



# PIPING SYSTEMS

## Carbon steel



# SANHA<sup>®</sup>-Therm Industry

## Series 28000

### AREAS OF APPLICATION

- | Compressed air [dry]
- | Heating - closed circuits [no DZ pipes]
- | Fire extinguishing systems [with DZ pipes]
- | Solar systems
- | Ship building
- | Solar systems



# SANHA<sup>®</sup>-Therm Industry

## Series 28000

The SANHA<sup>®</sup>-Therm Industry piping system consists of tried and trusted SANHA<sup>®</sup>-Therm Industry system press fittings with a red moulded FKM (fluoro carbon elastomer) sealing ring for high temperature applications and SANHA<sup>®</sup>-Therm carbon steel system pipes according to EN 10305-3.

The carefully manufactured piping system and its components offer a very attractive economical solution for closed heating circuits. At the same time, SANHA<sup>®</sup>-Therm Industry is exceptionally well suited for compressed air and fire extinguishing systems according to EN 10346 (DZ version). The variant on the other hand offers hotdip galvanised unalloyed steel system pipes (E195) according to EN 10305-3 which allow an especially easy deformation.

Carbon steel pipes and fittings require special care and treatment in terms of corrosion protection and can therefore only be used when the specific SANHA installation requirements are followed.

Please note that the pressing of sprinkler systems requires a special high-pressure sling.

SANHA<sup>®</sup>-Therm Industry system press fittings are labelled with the red letters „HT“ printed on the outside.

### Operating conditions for SANHA<sup>®</sup>-Therm Industry system press fittings from galvanised C-steel

Water and aqueous solutions

Technical gases (non-toxic, non-flammable)

Outside pipe diameter	d ≤ 108 mm
Operating pressure	16 bar
Operating temperature SANHA <sup>®</sup> -Therm Industry with red FKM sealing ring	-20 °C – +160 °C
Pipe thread	R/Rp thread according to EN 10226
Fastening thread	G thread according to ISO 228

All pipes are available in 3 and 6 m lengths.

Please pay particular attention to our technical documentation and installation instructions! Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

## FEATURES

### Tool compatibility and Push & Stay

- **Tool compatibility:** pressable with press jaws and slings with original SA, V and M profile up to and including 54 mm (with M and SA up to 108 mm).
- **Push & Stay:** Pipe is retained after locating into the SANHA fitting, this feature is inclusive on fittings up to 54 mm

### Fast installation, no risk of fire:

- The connections with carbon steel pipes by cold pressing enables a fast, time-saving installation and eliminates the risk of fire during the process. The SANHA<sup>®</sup>-Therm Industry system is therefore ideally suited for renovation work.

### Exceptional flexibility

- All dimensions from 15 to 108 mm
- Reliable, permanent connection with SANHA<sup>®</sup>-Therm C-steel system pipes according to EN 10305-3 / EN 10346 (DZ version)
- Multiple possible combination for increased flexibility:  
**SANHA<sup>®</sup>-Therm C-steel system pipes, galvanised on the outside:** Longitudinally welded, pressure tight, wall thickness optimised and galvanised on the outside · Outside galvanisation for ideal use with all heating applications as there is no risk of internal galvanising flaking off and damaging pumps. · unalloyed steel E195 (RST 34-2). material number 1.0034 according to EN 10305-3 · Condition on delivery +CR1.

**SANHA<sup>®</sup>-Therm C-steel system pipes in DZ version, galvanised on the in- and outside:** Longitudinally welded, wall thickness optimised precision steel pipes from unalloyed steel · Installation pipes from continuously galvanised steel (Sendzimir process) according to EN 10346 · Higher corrosion resistance due to Sendzimir galvanisation on both sides and therefore ideally suited for use in fire extinguishing and sprinkler systems · After galvanisation the material is an E 195 (Z275 MBO) steel with the material number 1.0034 according to EN 10305-3 · Condition on delivery +CR2 · Available in the dimensions 22 to 108 mm (sprinkler portfolio)  
**SANHA<sup>®</sup>-Therm C-steel system pipes, galvanised:** Thin-walled hot-dip galvanised precision pipes from unalloyed steel E195 with the material number 1.0034 according to EN 10305-3 · Allows easy deforming processing · Invisible weld seam · Clean, dry and greaseless surface

## Product catalogue | (Series 28000)

### 24000

AUG 482

SANHA®-Therm system pipe, carbon steel 1.0034, in 6 m rods, for heating, compressed air and cooling systems (in closed systems)



Article No.	Dimension	Bag*	Box
12400012	12 x 1.2	600	o. r.
12400015	15 x 1.2	600	o. r.
12400018	18 x 1.2	348	o. r.
12400022	22 x 1.5	420	o. r.
12400028	28 x 1.5	240	o. r.
12400035	35 x 1.5	180	o. r.
12400042	42 x 1.5	120	o. r.
12400054	54 x 1.5	60	o. r.
12400067	67 x 1.5	30	o. r.
12400076	76.1 x 2.0	30	o. r.
12400089	88.9 x 2.0	30	o. r.
12400108	108.0 x 2.0	30	o. r.

### 24000#

AUG 482

SANHA®-Therm system pipe, carbon steel 1.0034 Contiflo galvanized, in 6 m rods, for heating, compressed air and cooling systems (in closed systems)



Article No.	Dimension	Bag*	Box
12400012#	12 x 1.2	624	o. r.
12400015#	15 x 1.2	1290	o. r.
12400018#	18 x 1.2	1524	o. r.
12400022#	22 x 1.5	1290	o. r.
12400028#	28 x 1.5	624	o. r.
12400035#	35 x 1.5	402	o. r.
12400042#	42 x 1.5	402	o. r.
12400054#	54 x 1.5	366	o. r.
12400076#	76.1 x 2.0	222	o. r.

### 24000-DZ

AUG 482

SANHA®-Therm DZ carbon steel system pipe, internally and externally zinc-coated for sprinkler, compressed air and closed heat and cooling systems, 6 m rods



Article No.	Dimension	Bag*	Box
124000DZ18	18 x 1.2	348	o. r.
124000DZ22	22 x 1.5	420	o. r.
124000DZ28	28 x 1.5	240	o. r.
124000DZ35	35 x 1.5	180	o. r.
124000DZ42	42 x 1.5	120	o. r.

### 24000-DZ

AUG 482

SANHA®-Therm DZ carbon steel system pipe, internally and externally zinc-coated for sprinkler, compressed air and closed heat and cooling systems, 6 m rods



Article No.	Dimension	Bag*	Box
124000DZ54	54 x 1.5	60	o. r.
124000DZ76	76.1 x 2.0	30	o. r.
124000DZ89	88.9 x 2.0	30	o. r.
124000DZ108	108.0 x 2.0	30	o. r.

### 24500

AUG 482

SANHA®-Therm system pipe, carbon steel 1.0034, in 3 m rods, for heating, compressed air and cooling systems (in closed systems)



Article No.	Dimension	Bag*	Box
12450012	12 x 1.2	300	o. r.
12450015	15 x 1.2	300	o. r.
12450018	18 x 1.2	174	o. r.
12450022	22 x 1.5	210	o. r.
12450028	28 x 1.5	120	o. r.
12450035	35 x 1.5	90	o. r.
12450042	42 x 1.5	60	o. r.
12450054	54 x 1.5	30	o. r.
12450067	67 x 1.5	15	o. r.
12450076	76.1 x 2.0	15	o. r.
12450089	88.9 x 2.0	15	o. r.
12450108	108.0 x 2.0	15	o. r.

### 24500#

AUG 482

SANHA®-Therm system pipe, carbon steel 1.0034 Contiflo galvanized, in 3 m rods, for heating, compressed air and cooling systems (in closed systems)



Article No.	Dimension	Bag*	Box
12450012#	12 x 1.2	o. r.	o. r.
12450015#	15 x 1.2	o. r.	o. r.
12450018#	18 x 1.2	o. r.	o. r.
12450022#	22 x 1.5	o. r.	o. r.
12450028#	28 x 1.5	o. r.	o. r.
12450035#	35 x 1.5	o. r.	o. r.
12450042#	42 x 1.5	o. r.	o. r.
12450054#	54 x 1.5	o. r.	o. r.
12450076#	76.1 x 2.0	o. r.	o. r.

# SANHA®-Therm Industry

## Product catalogue | (Series 28000)

### 28001A

AUG 021

SANHA®-Therm Industry Bend 90°, female/male plain end



Article No.	Dimension	Bag	Box
128001A15	15	10	350
128001A18	18	10	250
128001A22	22	10	130
128001A28	28	5	75
128001A35	35	2	30
128001A42	42	2	22
128001A54	54	2	12
128001A76	76.1	1	5
128001A89	88.9	1	2
128001A108	108.0	1	1

### 28040

AUG 021

SANHA®-Therm Industry Bend 45°, female/male plain end



Article No.	Dimension	Bag	Box
12804015	15	10	400
12804018	18	10	250
12804022	22	10	180
12804028	28	5	90
12804035	35	2	40
12804042	42	2	30
12804054	54	2	14
12804076	76.1	1	6
12804089	88.9	1	3
128040108	108.0	1	2

### 28002A

AUG 021

SANHA®-Therm Industry Bend 90°, female/female end



Article No.	Dimension	Bag	Box
128002A15	15	10	300
128002A18	18	10	200
128002A22	22	10	130
128002A28	28	5	70
128002A35	35	2	30
128002A42	42	2	24
128002A54	54	2	12
128002A76	76.1	1	4
128002A89	88.9	1	2
128002A108	108.0	1	1

### 28041

AUG 021

SANHA®-Therm Industry Bend 45°, female/female end



Article No.	Dimension	Bag	Box
12804115	15	10	350
12804118	18	10	250
12804122	22	10	160
12804128	28	5	80
12804135	35	2	40
12804142	42	2	30
12804154	54	2	16
12804176	76.1	1	6
12804189	88.9	1	3
128041108	108.0	1	2

### 28002G

AUG 021

SANHA®-Therm Industry Bend 90°, female end and female thread



Article No.	Dimension	Bag	Box
128002G2234	22 x 3/4	10	70
128002G2812	28 x 1/2	5	60
128002G281	28 x 1	5	50
128002G3512	35 x 1/2	2	30
128002G35114	35 x 1 1/4	2	24
128002G42112	42 x 1 1/2	2	16
128002G542	54 x 2	2	8

### 28090G

AUG 021

SANHA®-Therm Industry Elbow 90°, female end and female thread



Article No.	Dimension	Bag	Box
128090G1512	15 x 1/2	10	150
128090G1812	18 x 1/2	10	150
128090G2212	22 x 1/2	10	100
128090G2234	22 x 3/4	10	80
128090G2812	28 x 1/2	5	60
128090G281	28 x 1	5	30
128090G35114	35 x 1 1/4	2	20
128090G42112	42 x 1 1/2	2	12
128090G542	54 x 2	2	6

## Product catalogue | (Series 28000)

### 28092G

AUG 021

SANHA®-Therm Industry Elbow 90°, female end and male thread



Article No.	Dimension	Bag	Box
128092G1238	12 x 3/8	10	250
128092G1538	15 x 3/8	10	200
128092G1512	15 x 1/2	10	200
128092G1812	18 x 1/2	10	160
128092G2234	22 x 3/4	10	80
128092G281	28 x 1	5	50
128092G35114	35 x 1 1/4	2	30
128092G42112	42 x 1 1/2	2	12
128092G542	54 x 2	2	10

### 28130

AUG 021

SANHA®-Therm Industry Tee, female ends



Article No.	Dimension	Bag	Box
12813015	15	10	200
12813018	18	10	150
12813022	22	10	80
12813028	28	5	50
12813035	35	2	30
12813042	42	2	20
12813054	54	2	8
12813076	76.1	1	3
12813089	88.9	1	2
128130108	108.0	1	1
128130181518	18 x 15 x 18	10	150
128130221522	22 x 15 x 22	10	100
128130221822	22 x 18 x 22	10	100
128130281528	28 x 15 x 28	5	70
128130281828	28 x 18 x 28	5	70
128130282228	28 x 22 x 28	5	60
128130351535	35 x 15 x 35	2	40
128130351835	35 x 18 x 35	2	40
128130352235	35 x 22 x 35	2	36
128130352835	35 x 28 x 35	2	30
128130421542	42 x 15 x 42	2	24
128130421842	42 x 18 x 42	2	20
128130422242	42 x 22 x 42	2	24
128130422842	42 x 28 x 42	2	20
128130423542	42 x 35 x 42	2	20
128130542254	54 x 22 x 54	2	16
128130542854	54 x 28 x 54	2	14

### 28130

AUG 021

SANHA®-Therm Industry Tee, female ends



Article No.	Dimension	Bag	Box
128130543554	54 x 35 x 54	2	12
128130544254	54 x 42 x 54	2	10
128130762276	76.1 x 22 x 76.1	1	5
128130762876	76.1 x 28 x 76.1	1	5
128130763576	76.1 x 35 x 76.1	1	5
128130764276	76.1 x 42 x 76.1	1	5
128130765476	76.1 x 54 x 76.1	1	5
128130895489	88.9 x 54 x 88.9	1	3
128130897689	88.9 x 76.1 x 88.9	1	2
12813010854108	108.0 x 54 x 108.0	1	2
12813010876108	108.0 x 76.1 x 108.0	1	1
12813010889108	108.0 x 88.9 x 108.0	1	1

### 28130G

AUG 021

SANHA®-Therm Industry Tee, female/female end and female thread



Article No.	Dimension	Bag	Box
128130G1212	12 x 1/2 x 12	10	150
128130G1512	15 x 1/2 x 15	10	80
128130G1812	18 x 1/2 x 18	10	60
128130G2212	22 x 1/2 x 22	10	50
128130G2234	22 x 3/4 x 22	10	30
128130G2812	28 x 1/2 x 28	5	30
128130G2834	28 x 3/4 x 28	5	30
128130G281	28 x 1 x 28	5	25
128130G3512	35 x 1/2 x 35	2	16
128130G3534	35 x 3/4 x 35	2	18
128130G351	35 x 1 x 35	2	16
128130G4212	42 x 1/2 x 42	2	12
128130G4234	42 x 3/4 x 42	2	12
128130G5412	54 x 1/2 x 54	2	8
128130G5434	54 x 3/4 x 54	2	8
128130G7634	76.1 x 3/4 x 76.1	1	4
128130G8934	88.9 x 3/4 x 88.9	1	4
128130G10834	108.0 x 3/4 x 108.0	1	2

# SANHA®-Therm Industry

## Product catalogue | (Series 28000)

### 28243

AUG 021

SANHA®-Therm Industry Fitting reducer, with female end and male plain end



Article No.	Dimension	Bag	Box
1282431815	18a x 15	10	360
1282432215	22a x 15	10	300
1282432218	22a x 18	10	250
1282432818	28a x 18	5	150
1282432822	28a x 22	5	120
1282433522	35a x 22	2	80
1282433528	35a x 28	2	70
1282434228	42a x 28	2	50
1282434235	42a x 35	2	60
1282435435	54a x 35	2	40
1282435442	54a x 42	2	36
1282437635	76.1a x 35	1	15
1282437642	76.1a x 42	1	15
1282437654	76.1a x 54	1	15
1282438954	88.9a x 54	1	10
1282438976	88.9a x 76.1	1	10
12824310842	108.0a x 42	1	4
12824310854	108.0a x 54	1	4
12824310876	108.0a x 76.1	1	4
12824310889	108.0a x 88.9	1	4

### 28243G

AUG 021

SANHA®-Therm Industry Adaptor, with female end and male thread



Article No.	Dimension	Bag	Box
128243G1238	12 x 3/8	10	300
128243G1538	15 x 3/8	10	250
128243G1512	15 x 1/2	10	250
128243G1534	15 x 3/4	10	150
128243G1812	18 x 1/2	10	150
128243G1834	18 x 3/4	10	150
128243G2212	22 x 1/2	10	100
128243G2234	22 x 3/4	10	100
128243G221	22 x 1	10	80
128243G2834	28 x 3/4	5	60
128243G281	28 x 1	5	50
128243G28114	28 x 1 1/4	5	50
128243G351	35 x 1	2	30
128243G35114	35 x 1 1/4	2	50
128243G42114	42 x 1 1/4	2	30

### 28243G

AUG 021

SANHA®-Therm Industry Adaptor, with female end and male thread



Article No.	Dimension	Bag	Box
128243G42112	42 x 1 1/2	2	26
128243G542	54 x 2	2	16
128243G76212	76.1 x 2 1/2	1	5
128243G763	76.1 x 3	1	5
128243G893	88.9 x 3	1	4
128243G1084	108.0 x 4	1	2

### 28250

AUG 021

SANHA®-Therm Industry Adaptor, with female end and groove for tube coupling



Article No.	Dimension	Bag	Box
12825028337	28 x 33.7	5	60
12825035424	35 x 42.4	2	50
12825042483	42 x 48.3	2	30
12825054603	54 x 60.3	2	24
128250761761	76.1 x 76.1	1	6
128250889889	88.9 x 88.9	1	4
128250108114	108 x 114	1	2

### 28270

AUG 021

SANHA®-Therm Industry Coupling, female/female end



Article No.	Dimension	Bag	Box
12827015	15	10	500
12827018	18	10	300
12827022	22	10	160
12827028	28	5	110
12827035	35	2	50
12827042	42	2	40
12827054	54	2	28
12827076	76.1	1	10
12827089	88.9	1	6
128270108	108.0	1	4



## Product catalogue | (Series 28000)

### 28270G

AUG 021

SANHA®-Therm Industry Transition coupling, with female end and female thread



Article No.	Dimension	Bag	Box
128270G1212	12 x 1/2	10	300
128270G1512	15 x 1/2	10	160
128270G1812	18 x 1/2	10	150
128270G1834	18 x 3/4	10	120
128270G2212	22 x 1/2	10	80
128270G2234	22 x 3/4	10	70
128270G221	22 x 1	10	60
128270G2812	28 x 1/2	5	70
128270G2834	28 x 3/4	5	50
128270G281	28 x 1	5	60
128270G28114	28 x 1 1/4	5	40
128270G351	35 x 1	2	30
128270G35114	35 x 1 1/4	2	30
128270G35112	35 x 1 1/2	2	30
128270G42114	42 x 1 1/4	2	30
128270G42112	42 x 1 1/2	2	24
128270G54112	54 x 1 1/2	2	20
128270G542	54 x 2	2	16
128270G76212	76 x 2 1/2	1	5
128270G893	88.9 x 3	1	3

### 28270S

AUG 021

SANHA®-Therm Industry Slip coupling, female/female end



Article No.	Dimension	Bag	Box
128270S15	15	10	300
128270S18	18	10	250
128270S22	22	10	150
128270S28	28	5	80
128270S35	35	2	50
128270S42	42	2	40
128270S54	54	2	24
128270S76	76.1	1	10
128270S89	88.9	1	5
128270S108	108.0	1	3

### 28301

AUG 021

SANHA®-Therm Industry Cap, female end



Article No.	Dimension	Bag	Box
12830112	12	10	1000
12830115	15	10	800
12830118	18	10	700
12830122	22	10	300
12830128	28	5	250
12830135	35	2	120
12830142	42	2	90
12830154	54	2	50

### 28330

AUG 021

SANHA®-Therm Industry Union, flat sealing, female/female end



Article No.	Dimension	Bag	Box
12833015	15	5	100
12833018	18	5	100
12833022	22	5	60
12833028	28	5	40
12833035	35	2	26
12833042	42	2	18
12833054	54	2	10

### 28333G

AUG 021

SANHA®-Therm Industry Union, flat sealing, with female end and male thread



Article No.	Dimension	Bag	Box
128333G1512	15 x 1/2	5	120
128333G1812	18 x 1/2	5	100
128333G2234	22 x 3/4	5	60
128333G221	22 x 1	5	60
128333G281	28 x 1	5	40
128333G35114	35 x 1 1/4	2	20
128333G42112	42 x 1 1/2	2	12
128333G542	54 x 2	2	8

# SANHA®-Therm Industry

## Product catalogue | (Series 28000)

### 28359G

AUG 021

SANHA®-Therm Industry Union adaptor,  
flat sealing, female end



Article No.	Dimension	Bag	Box
128359G1534	15 x 3/4	5	200
128359G1834	18 x 3/4	5	160
128359G181	18 x 1	5	120
128359G2234	22 x 3/4	5	120
128359G221	22 x 1	5	100
128359G22114	22 x 1 1/4	5	80
128359G28114	28 x 1 1/4	5	70
128359G28112	28 x 1 1/2	5	50
128359G35112	35 x 1 1/2	2	40
128359G352	35 x 2	2	30
128359G42112	42 x 1 1/2	2	24
128359G42134	42 x 1 3/4	2	30
128359G422	42 x 2	2	30
128359G542	54 x 2	2	20
128359G54238	54 x 2 3/8	2	16
128359G762	76.1 x 2	1	6
128359G763	76.1 x 3	1	10
128359G893	88.9 x 3	1	4
128359G89312	88.9 x 3 1/2	1	6

### 28-BM-PF

AUG 021

SANHA®-Therm Industry Bimetallic  
crimping flange PN 10/16



Article No.	Dimension	Bag	Box
128BMPF42	DN 40 / 42 mm	o.r.	3
128BMPF54	DN 50 / 54 mm	o.r.	2
128BMPF67	DN - / 66.7 mm	o.r.	2
128BMPF76	DN 65 / 76.1 mm	o.r.	3
128BMPF76_DN80	DN 80 / 76.1 mm	o.r.	2
128BMPF89	DN 80 / 88.9 mm	o.r.	2
128BMPF108	DN 100 / 108.0 mm	o.r.	1

### 28-BM-PF-L4

AUG 021

SANHA®-Therm Industry Crimping  
flange PN10/16, 4-hole



Article No.	Dimension	Bag	Box
128BMPF76L4	DN 65 / 76.1 mm		3

# PIPING SYSTEMS

## MLCP Plastic



### 3fit<sup>®</sup>-Press

Series 25000 Pb-free / Series 35000 PPSU

**combipress**

= Tool Compatibility + Push & Stay  
+ Leak Path Feature

exclusive from **SANHA**

#### AREAS OF APPLICATION

- | Drinking water\*
- | Heating
- | Rainwater

\*not with MultFit<sup>®</sup>-PEX pipes



# 3fit®-Press

## Series 25000 Pb-free / Series 35000 PPSU

3fit® fittings made of lead-free silicon bronze CuSi for use in a system with MultiFit®-Flex and MultiFit®-PEX multi-layer plastic pipes by SANHA according to DVGW W 542 (for drinking water and heating installations) as well as copper pipes. More information on the relevant pipes under "Safe connection" below.

The 3fit®-Press system is approved according to DVGW W 534.

### Operating conditions for 3fit®-Press with MultiFit® pipes $d \leq 63$ mm Water and aqueous solutions

+ 25 ° C	16 bar
+ 50 ° C	13 bar
+ 70 ° C	10 bar
Operating temperature 3fit®-Press system fittings with black EPDM sealing ring	-30 °C – +70 °C
Pipe thread	R/Rp thread according to EN 10226
Fastening thread	G thread according to ISO 228

Please pay particular attention to our technical documentation and installation instructions! Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

### FEATURES

#### Combipress

- **Tool compatibility:** 3fit®-Press fittings can be pressed with all jaws and slings with an original TH, B, F, H and U contour up to and including 63 mm
- **Leak path feature:** (certified forced leakage before pressing with EPDM and HNBR sealing rings) in combination with
- **Push & Stay:** Pipe is retained after locating into the SANHA fitting, this feature is inclusive on fittings up to 54 mm

#### Fast installation, no risk of fire

- The connection with multi-layer pipes by cold pressing enables a fast, time-saving installation and eliminates the risk of fire during the process. 3fit®-Press piping systems are therefore ideally suited for renovation work.

#### High corrosion resistance

- The extremely smooth surface of our system fittings leads to an exceptionally high corrosion resistance. No porosity of the casting due to high material density.

#### Unique lead-free alloy

- Our specially developed completely lead-free material silicon bronze CuSi helps to fulfill the strict Drinking Water Directive (DWD). Installers are always safe from any legal claim should the lead concentration exceed the tolerances set forth in the DWD.

#### Exceptional flexibility

- MultiFit® pipes are easy to bend and to install and absolutely safe to use. They are optimised for the distribution of water on the respective floors
- Greater safety: These SANHA fittings have two sealing rings for additional safety!
- All dimensions from 16 to 63 mm
- Safe, permanent connection with:
  - **MultiFit-Flex®** multi-layer composite pipe from PE-RT/Al/PE-RT with hygienic inner layer, hermetically sealed aluminium layer and robust outer casing. Higher temperature stability.
  - **MultiFit-PEX®** multi-layer composite pipe from PE-Xc 16 and 20 mm, oxygen-impermeable 5-layer pipes with a special plastic oxygen-barrier EVOH (not for drinking water); available with or without velcro plates for easy installation.
  - **MultiFit-PE-RT®** multi-layer pipes 16 mm, 400 m coil, oxygen-impermeable 5-layer pipes with a special plastic oxygen-barrier EVOH (not for drinking water), with or without velcro. Ideally suited for heating up to 6 bar. Not for drinking water. Also available as 200 m coils.
- **NEW: Insulated MultiFit-Flex® ISO** multi-layer pipes PE-RT/Al/PE-RT with hygienic inner layer, hermetically sealed aluminium layer and robust outer casing. All pipes are available in dimensions 16 - 32 mm and with an isolation thickness of 9 or 13 mm. Copper pipes
- Transition thread according to EN 10226 and ISO7/1 as well as R/Rp type

## Product catalogue | (Series 25000 and 35000)

### 23000

AUG 490

MultiFit®-Flex system pipe, multi-layer composite pipe for potable water and heating installation, in coils



Article No.	Dimension	Bag*	Box
12300016	16 x 2.0 (200 m)	200	o. r.
12300016100	16 x 2.0 (100 m)	o. r.	100
12300020	20 x 2.0 (100 m)	100	o. r.
12300026	26 x 3.0 (50 m)	o. r.	50
12300032	32 x 3.0 (50 m)	o. r.	50

### 23100

AUG 490

MultiFit®-Flex system pipe, multi-layer composite pipe for potable water and heating installation, in 5 m rods



Article No.	Dimension	Bag*	Box
12310016	16 x 2.0	o. r.	50
12310020	20 x 2.0	o. r.	45
12310026	26 x 3.0	o. r.	50
12310032	32 x 3.0	o. r.	20
12310040	40 x 3.5	o. r.	15
12310050	50 x 4.0	o. r.	15
12310063	63 x 4.5	o. r.	5

### 23200B

AUG 490

MultiFit®-Flex protect system pipe, in protective pipe, in coils, blue



Article No.	Dimension	Bag*	Box
12320016B	16 x 2.0 (75 m)	75	o. r.
12320020B	20 x 2.0 (75 m)	75	o. r.

### 23200R

AUG 490

MultiFit®-Flex protect system pipe, in protective pipe, in coils, redd



Article No.	Dimension	Bag*	Box
12320016R	16 x 2.0 (75 m)	75	o. r.
12320020R	20 x 2.0 (75 m)	75	o. r.

### 23300

AUG 490

MultiFit®-Flex ISO system pipe, 9 mm insulation, in coils



Article No.	Dimension	Bag*	Box
12330016	16 x 2.0 (50m)	50	o. r.
12330020	20 x 2.0 (50 m)	50	o. r.
12330026	26 x 3.0 (25 m)	25	o. r.

### 23300.13

AUG 490

MultiFit®-Flex ISO system pipe, 13 mm insulation, in coils

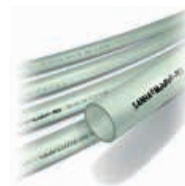


Article No.	Dimension	Bag*	Box
12330016.13	16 x 2.0 (50 m)	o. r.	50
12330020.13	20 x 2.0 (50 m)	o. r.	50
12330026.13	26 x 3.0 (50 m)	o. r.	50

### 23400

AUG 491

MultiFit®-PEX system pipe, oxygen-tight according to DIN 4726, for heating installation, in coils



Article No.	Dimension	Bag*	Box
12340016	16 x 2.0 (200 m)	200	o. r.
12340020	20 x 2.0 (100 m)	100	o. r.

### 23400KB

AUG 491

MultiFit®-PEX system pipe, with hook-and-loop tape, oxygen-tight according to DIN 4726, for heating installation, in coils



Article No.	Dimension	Bag*	Box
123400KB16	16 x 2.0	200	o. r.

### 23500

AUG 492

MultiFit®-PE-RT system pipe, multi-layer plastic pipe for heating installation, in coils



Article No.	Dimension	Bag*	Box
12350016	16 x 2.0 (400 m)	400	o. r.

## Product catalogue | (Series 25000 and 35000)

### 23500KB

AUG 492

MultiFit®-PE-RT system pipe, with hook-and-loop tape, multi-layer plastic pipe for heating installation, in coils



Article No.	Dimension	Bag*	Box
123500KB16	16 x 2.0	400	o. r.

### 25003

AUG 017

3fit®-Press pb-free Bend 90°, male plain ends



Article No.	Dimension	Bag	Box
32500316300	15/16 x 300	2	60

### 25090

AUG 017

3fit®-Press pb-free Elbow 90°, male/male plain end



Article No.	Dimension	Bag	Box
32509016	16	10	120
32509020	20	10	70
32509026	26	5	40
32509032	32	5	30
32509040	40	5	15
32509050	50	2	8
32509063	63	2	6

### 25090G

AUG 017

3fit®-Press pb-free Elbow 90°, with male plain end and female thread



Article No.	Dimension	Bag	Box
325090G1612	16 x 1/2	10	140
325090G2012	20 x 1/2	10	100
325090G2034	20 x 3/4	10	100
325090G2634	26 x 3/4	5	40
325090G261	26 x 1	5	30
325090G321	32 x 1	5	30

### 25092G

AUG 017

3fit®-Press pb-free Elbow 90°, with male plain end and male thread



Article No.	Dimension	Bag	Box
325092G1612	16 x 1/2	10	120
325092G2012	20 x 1/2	10	100
325092G2034	20 x 3/4	10	80
325092G2634	26 x 3/4	5	40
325092G261	26 x 1	5	30
325092G321	32 x 1	5	30

### 25130

AUG 017

3fit®-Press pb-free Tee, male plain ends



Article No.	Dimension	Bag	Box
32513016	16	10	60
32513020	20	10	40
32513026	26	5	20
32513032	32	5	20
32513040	40	5	10
32513050	50	2	6
32513063	63	2	4
325130162016	16 x 20 x 16	10	50
325130201616	20 x 16 x 16	10	50
325130201620	20 x 16 x 20	10	40
325130202016	20 x 20 x 16	10	40
325130202620	20 x 26 x 20	5	30
325130261626	26 x 16 x 26	5	30
325130262020	26 x 20 x 20	5	30
325130262026	26 x 20 x 26	5	30
325130262616	26 x 26 x 16	5	30
325130262620	26 x 26 x 20	5	30
325130321632	32 x 16 x 32	5	20
325130322032	32 x 20 x 32	5	20
325130322632	32 x 26 x 32	5	20
325130402640	40 x 26 x 40	5	10
325130403232	40 x 32 x 32	5	15
325130403240	40 x 32 x 40	5	10
325130502650	50 x 26 x 50	2	8
325130504050	50 x 40 x 50	2	8
325130634063	63 x 40 x 63	2	4

## Product catalogue | (Series 25000 and 35000)

### 25130G

AUG 017

3fit®-Press pb-free Tee,  
with male plain end and female thread



Article No.	Dimension	Bag	Box
325130G1612	16 x 1/2	10	50
325130G2012	20 x 1/2	10	40
325130G2612	26 x 1/2	5	30
325130G2634	26 x 3/4	5	25
325130G3234	32 x 3/4	5	20
325130G321	32 x 1	5	20
325130G4034	40 x 3/4	5	10
325130G501	50 x 1	2	8
325130G50114	50 x 1 1/4	2	6

### 25131

AUG 017

3fit®-Press pb-free Radiator Tail



Article No.	Dimension	Bag	Box
32513116300	16 x 15-300 x 16	5	50
32513120300	20 x 15-300 x 20	5	50

### 25240

AUG 017

3fit®-Press pb-free Reducing coupling,  
male/male plain end



Article No.	Dimension	Bag	Box
3252402016	20 x 16	10	140
3252402616	26 x 16	5	90
3252402620	26 x 20	5	70
3252403220	32 x 20	5	50
3252403226	32 x 26	5	40
3252404026	40 x 26	5	30
3252404032	40 x 32	5	30
3252405032	50 x 32	2	16
3252405040	50 x 40	2	16
3252406340	63 x 40	2	10
3252406350	63 x 50	2	10

### 25243G

AUG 017

3fit®-Press pb-free Adaptor,  
with male plain end and male thread



Article No.	Dimension	Bag	Box
325243G1638	16 x 3/8	10	150
325243G1612	16 x 1/2	10	140
325243G1634	16 x 3/4	10	120
325243G2012	20 x 1/2	10	140
325243G2034	20 x 3/4	10	120
325243G2634	26 x 3/4	5	80
325243G261	26 x 1	5	60
325243G321	32 x 1	5	40
325243G32114	32 x 1 1/4	5	30
325243G40114	40 x 1 1/4	5	30
325243G50112	50 x 1 1/2	2	16
325243G632	63 x 2	2	10

### 25270

AUG 017

3fit®-Press pb-free Coupling,  
male/male plain end



Article No.	Dimension	Bag	Box
32527016	16	10	150
32527020	20	10	100
32527026	26	5	50
32527032	32	5	40
32527040	40	5	20
32527050	50	2	12
32527063	63	2	8

### 25270G

AUG 017

3fit®-Press pb-free Transition coupling,  
with male plain end and female thread



Article No.	Dimension	Bag	Box
325270G1612	16 x 1/2	10	120
325270G2012	20 x 1/2	10	120
325270G2034	20 x 3/4	10	90
325270G2634	26 x 3/4	5	70
325270G261	26 x 1	5	60
325270G321	32 x 1	5	50

# 3fit®-Press

## Product catalogue I (Series 25000 and 35000)

### 25290

AUG 017

3fit®-Press pb-free Plug, with male plain end



Article No.	Dimension	Bag	Box
32529016	16	10	250
32529020	20	10	200
32529026	26	5	100
32529032	32	5	60

### 25359G

AUG 017

3fit®-Press pb-free Union adaptor, flat sealing, male plain end



Article No.	Dimension	Bag	Box
325359G1612	16 x 1/2	10	150
325359G1634	16 x 3/4	10	120
325359G2012	20 x 1/2	10	100
325359G2034	20 x 3/4	10	120
325359G261	26 x 1	5	70
325359G32114	32 x 1 1/4	5	50
325359G40112	40 x 1 1/2	5	30

### 25473G

AUG 017

3fit®-Press pb-free Wall plate, with male plain end and female thread



Article No.	Dimension	Bag	Box
325473G1612	16 x 1/2	10	50
325473G2012	20 x 1/2	10	50
325473G2034	20 x 3/4	5	40
325473G2634	26 x 3/4	5	40

### 25478G

AUG 017

3fit®-Press pb-free Wall plate, double, with flange, with female end and female thread



Article No.	Dimension	Bag	Box
325478G161216	16 x 1/2 x 16	10	30
325478G201220	20 x 1/2 x 20	10	30

### 25478GZ

AUG 017

3fit®-Press pb-free Double wall plate with female end and female thread



Article No.	Dimension	Bag	Box
325478GZ161216	16 x 1/2 x 16	1	15
325478GZ161220	16 x 1/2 x 20	1	15
325478GZ201216	20 x 1/2 x 16	1	15
325478GZ201220	20 x 1/2 x 20	1	15

### 25580

AUG 017

3fit®-Press pb-free cross tee with iso-box



Article No.	Dimension	Bag	Box
32558016	16	1	5
325580201616	20 x 16 x 16	1	5
325580201620	20 x 16 x 20	1	5

### 25580.1

AUG 017

3fit®-Press pb-free Cross tee, for mixture-free crossing of pipes keeping minimum installation heights



Article No.	Dimension	Bag	Box
325580116	16	1	20
3255801201616	20 x 16 x 16	1	20
3255801201620	20 x 16 x 20	1	15

### 25980G

AUG 017

3fit®-Press pb-free Mounting unit with wall plates



Article No.	Dimension	Bag	Box
325980G1612	16 x 1/2	1	10
325980G2012	20 x 1/2	1	10



## Product catalogue I (Series 25000 and 35000)

### 25981G

AUG 017

3fit®-Press pb-free Mounting unite



Article No.	Dimension	Bag	Box
325981G161216	16 x 1/2 x 16	1	8
325981G161220	16 x 1/2 x 20	1	5
325981G201216	20 x 1/2 x 16	1	5
325981G201220	20 x 1/2 x 20	1	5

### 35240

AUG 022

3fit®-Press PPSU Reducing coupling, male/male plain end



Article No.	Dimension	Bag	Box
1352402016	20 x 16	10	100
1352402616	26 x 16	5	65
1352402620	26 x 20	5	50
1352403226	32 x 26	5	40

### 35090

AUG 022

3fit®-Press PPSU Elbow 90°, male/male plain end



Article No.	Dimension	Bag	Box
13509016	16	10	90
13509020	20	10	70
13509026	26	5	30
13509032	32	5	25

### 35270

AUG 022

3fit®-Press PPSU Coupling, male/male plain end



Article No.	Dimension	Bag	Box
13527016	16	10	100
13527020	20	10	80
13527026	26	5	50
13527032	32	5	30

### 35130

AUG 022

3fit®-Press PPSU Tee, male plain ends



Article No.	Dimension	Bag	Box
13513016	16	10	60
13513020	20	10	40
13513026	26	5	20
13513032	32	5	15
135130162016	16 x 20 x 16	10	40
135130201616	20 x 16 x 16	10	50
135130201620	20 x 16 x 20	10	40
135130202016	20 x 20 x 16	10	40
135130261626	26 x 16 x 26	5	25
135130262020	26 x 20 x 20	5	30
135130262026	26 x 20 x 26	5	20
135130321632	32 x 16 x 32	5	20
135130322032	32 x 20 x 32	5	20

### 23831

AUG 506

Assembly rail for MultiFit®-Flex pipes



Article No.	Dimension	Bag	Box
7238311621	16 mm x 2.1 M	o. r.	o. r.

### 23831.1

AUG 506

Assembly rail for MultiFit®-Flex pipes without adhesive



Article No.	Dimension	Bag	Box
7238311621	16 mm x 2.1 M	o. r.	o. r.



# PIPING SYSTEMS



## Tools and Accessories

# Tools and Accessories

## 3 in one – combipress!

The term "combipress" summarises three important advantages of using SANHA, all designed to make installations simpler.

### 1. Tool compatibility:

This means that up to 54 mm all original press profiles SA, V or M can be used for metal systems. For plastic, TH, B, F, H and U can be used for our new range. The benefit here is obvious – you can use your existing tooling for our products and be safe in the knowledge that the connection will work irrespective of the tool used. Please see our SANHA® installation guide for further details.

### 2. Push and Stay:

This means that during assembly of the connection, the friction within the fitting sealing ring retains and holds the pipe in place, prior to the press taking place. This is especially important when making connections over-head or on risers, which would be difficult to hold in place whilst using a press tool. Remember, as a precaution, to always mark the insertion depth on the pipe, using SANHA calibrated depth gauges. Push & Stay, allows the pipe connection to be carried much easier with one operative

### 3. Leak path protected:

This is a practical function which enables you to detect simply if connections have been left un-pressed. These will be detected either by a reduction in pressure under test, or a visible drip of water from the fitting. Therefore, you can be assured that any un-pressed connections will be detected prior to commissioning.

Please pay particular attention to our technical documentation and installation instructions! Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

## TECHNICAL REQUIREMENTS FOR TOOL COMPATIBILITY

- The press tools must be maintained in accordance with the manufacturer's guidelines and the SANHA installation instructions must be adhered to
- The pressing tools up to and including 28 mm must have a minimum pressing force of 18 kN. (kilo-Newtons)
- For general applications and installation instructions please refer to the SANHA Installation manual or request installation training on tel. +44 (0) 1628 819245.
- The pressing tools from 35 mm up to and including 108 mm must have a minimum pressing force of 30 kN.
- For metallic fittings up to and including 54 mm diameter and using jaws and slings for press connections, the original press profile SA, M or V must be used.
- When using the M profile at dimensions 42 - 54 mm only press slings are to be used.
- For metallic fittings above 54 mm, slings used for the press connections must use the original press profile SA or M.
- For original "3fit-press" fittings for your plastic system, the TH profile should be used. For our 3fit-Press Pb-Free/PPSU piping system, press jaws with the original contours TH, B, F H and U can be used.
- The SANHA installation process as outlined in our SANHA Installation manual must be followed.
- When using press tools, all manufacturers' instructions must be used, particularly about the combination of components (jaws/tools) from different
- The combination of different manufactures' press tools may only be used with the express permission of the system designer.
- For special applications such as fire extinguisher systems, the SANHA combipress function does not apply. In these cases, only high-pressure tools may be used.

## Product catalogue | Tools and accessories

### ACO103 BT

AUG 551

Battery Press Gun ACO 103,  
1\*3Ah battery + charger, case



Article No.	Dimension	Bag	Box
8WNO4861180-50	12 - 35 mm	o.r.	o.r.

### ACO403 BT

AUG 551

Battery Press Gun ACO 403, 2\*5.0 Ah  
rechargeable battery, with case



Article No.	Dimension	Bag	Box
8WNO4852380-50	76.1 - 168.3 mm (HP)	o.r.	o.r.

### LDG 12V

AUG 551

Charging power kit for 12 V batteries



Article No.	Dimension	Bag	Box
8WNO17662-50	o.r.	o.r.	1

### LDG 18V

AUG 551

Charging power kit for 18 V batteries



Article No.	Dimension	Bag	Box
8WNO17430-50	o.r.	o.r.	1

### AKU 12V

AUG 551

Rechargeable battery  
for Press Gun ACO 103



Article No.	Dimension	Bag	Box
8WNO18367-50	12 V. 4.0 Ah	o.r.	1

### AKU 18V

AUG 551

Battery for Press Gun  
ACO 203(XL)/ ACO 403



Article No.	Dimension	Bag	Box
8WNO18100-50	18 V. 5.0 Ah	o.r.	1

### ACO203 BT

AUG 551

Battery Press Gun, ACO 203, 1\*3.0 Ah  
rechargeable battery, with case



Article No.	Dimension	Bag	Box
8WNO4715480-05	12 - 54 mm	o.r.	o.r.

### PB1-M

AUG 552

Crimping clamps, PB1, with M-profile,  
for ACO 103



Article No.	Dimension	Bag	Box
8WNO48043-50	12 mm	o.r.	o.r.
8WNO48044-50	15 mm	o.r.	o.r.
8WNO48045-50	18 mm	o.r.	o.r.
8WNO48046-50	22 mm	o.r.	o.r.
8WNO48047-50	28 mm	o.r.	o.r.
8WNO48048-50	35 mm	o.r.	o.r.

### ACO203XL BT

AUG 551

Battery Press Gun, ACO 203XL,  
3.0 Ah rechargeable battery, with case



Article No.	Dimension	Bag	Box
8WNO4717880-50	12 - 108 mm	o.r.	o.r.

# Tools and accessories

## Product catalogue | Tools and accessories

### PB1-TH

AUG 552

Crimping clamps with TH-profile for ACO 103



Article No.	Dimension	Bag	Box
8WNO48058-50	16 mm	o.r.	o.r.
8WNO48060-50	20 mm	o.r.	o.r.
8WNO48062-50	26 mm	o.r.	o.r.
8WNO48063-50	32 mm	o.r.	o.r.

### PB2-SA

AUG 552

Crimping clamps with SA-profile for ACO 203(XL)



Article No.	Dimension	Bag	Box
8WNO44462-05	12 mm	o.r.	4
8WNO44463-05	15 mm	o.r.	4
8WNO44464-05	18 mm	o.r.	4
8WNO44465-05	22 mm	o.r.	4
8WNO44466-05	28 mm	o.r.	4
8WNO44467-05	35 mm	o.r.	4

### PB2-MP

AUG 552

Crimping clamps with MP-profile for ACO203(XL)



Article No.	Dimension	Bag	Box
8WNO48467-50	1/2	o.r.	o.r.
8WNO48468-50	3/4	o.r.	o.r.
8WNO48469-50	1	o.r.	o.r.

### PB2-TH

AUG 552

Crimping clamps with TH-profile for ACO 203(XL)



Article No.	Dimension	Bag	Box
8WNO48154-50	14 mm	o.r.	o.r.
8WNO48155-50	16 mm	o.r.	o.r.
8WNO48157-50	20 mm	o.r.	o.r.
8WNO48159-50	26 mm	o.r.	o.r.
8WNO48160-50	32 mm	o.r.	o.r.
8WNO46819-50	40 mm	o.r.	o.r.

### ZB203

AUG 552

Adaptor jaw for press slings, for crimping tool ACO 203(XL)



Article No.	Dimension	Bag	Box
8WNO43610-05	42 - 54 mm & 3Fit-Press	o.r.	2

### ZB221

AUG 552

Adaptor jaw for press slings, for crimping tool ACO 203XL



Article No.	Dimension	Bag	Box
8WNO44967-50	64 - 108 mm (1)	o.r.	o.r.

### ZB222

AUG 552

Adaptor jaw for press slings, for crimping tool ACO 203XL



Article No.	Dimension	Bag	Box
8WNO44970-50	108 mm (2)	o.r.	o.r.

### PSL-SA

AUG 552

SNAP-ON sling for Press Gun ACO 203(XL), SA profile



Article No.	Dimension	Bag	Box
8WNO44442-05	42 mm	o.r.	2
8WNO44443-05	54 mm	o.r.	2

### PSL-TH

AUG 552

SNAP-On sling for Press Gun ACO 203(XL), TH profile



Article No.	Dimension	Bag	Box
8WNO43754-50	40 mm	o.r.	2
8WNO43755-50	50 mm	o.r.	2
8WNO43756-50	63 mm	o.r.	2

## Product catalogue | Tools and accessories

### PSL-HP(2)

AUG 552

HP sling for Press Gun ACO 203(XL)



Article No.	Dimension	Bag	Box
8WNO43886-50	28 mm	o.r.	o.r.
8WNO44359-50	35 mm	o.r.	o.r.
8WNO44224-50	42 mm	o.r.	o.r.
8WNO44225-50	54 mm	o.r.	o.r.

### PSL-HP(4)

AUG 552

HP sling for Press Gun ACO 403



Article No.	Dimension	Bag	Box
8WNO43826-50	76.1 mm	o.r.	o.r.
8WNO43827-50	88.9 mm	o.r.	o.r.
8WNO43828-50	108 mm	o.r.	o.r.

### PSL-M

AUG 552

SNAP-ON sling for Press Gun ACO 203(XL), M profile



Article No.	Dimension	Bag	Box
8WNO48634-50	64 mm	o.r.	2
8WNO48635-50	66.7 mm	o.r.	o.r.
8WNO48636-50	76.1 mm	o.r.	o.r.
8WNO48637-50	88.9 mm	o.r.	o.r.
8WNO48638-50	108 mm	o.r.	o.r.

### PSL-M(4)

AUG 552

SNAP-ON sling for Press Gun ACO 403, M profile



Article No.	Dimension	Bag	Box
8WNO45045-40	139,7 mm	o.r.	o.r.
8WNO45050-40	168,3 mm	o.r.	o.r.

### PSL-MP

AUG 552

SNAP-ON sling for Press Gun ACO 203(XL), MP



Article No.	Dimension	Bag	Box
8WNO48314-50	1 1/4	o.r.	o.r.
8WNO48315-50	1 1/2	o.r.	o.r.
8WNO48316-50	1	o.r.	o.r.

### KOFFER PSL

AUG 530

Case for press slings



Article No.	Dimension	Bag	Box
8WNO47347-50	28 - 54 mm & 3Fit-Press	o.r.	o.r.
8WNO47348-50	64 - 108 mm	o.r.	o.r.

### 4975

AUG 553

Pipe cutter for stainless steel and copper pipes



Article No.	Dimension	Bag	Box
84975	3-28	o.r.	40

### 4977

AUG 553

Pipe cutter for copper pipes



Article No.	Dimension	Bag	Box
84977	3-35	o.r.	12

### 4971

AUG 553

Cutting wheel for pipe cutter 4975, 4977, 4978



Article No.	Dimension	Bag	Box
84971543	4-35	o.r.	1000

# Tools and accessories

## Product catalogue | Tools and accessories

### 4985

AUG 553

Pipe cutter for stainless steel  
and copper pipes



Article No.	Dimension	Bag	Box
84985	6-64	o.r.	5

### 4998

AUG 553

Tool for the exchange of sealings



Article No.	Dimension	Bag	Box
84998	o.r.	100	1000

### 4980

AUG 556

Plastic measure tool with bottle opener  
for marking the insertion depth  
for SANHA®-Press, SANHA®-Therm  
and PURAPRESS, 12 - 54 mm



Article No.	Dimension	Bag	Box
84980	12-54 mm	o.r.	30

### 4989

AUG 556

Plastic measuring tool for marking  
the insertion depth for SANHA®-Press,  
SANHA®-Therm and NiroSan with bottle  
opener and spirit level, 64 and 67 mm



Article No.	Dimension	Bag	Box
84989	64 + 67 mm	o.r.	250

### 4990

AUG 556

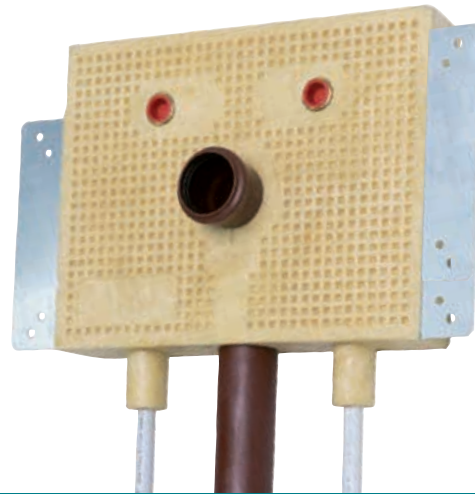
Plastic measuring tool for marking  
the insertion depth for SANHA®-Press,  
SANHA®-Therm and NiroSan with bottle  
opener and spirit level, 76.1 - 108 mm



Article No.	Dimension	Bag	Box
84990	76,1 - 108 mm	o.r.	20



# SANHA<sup>®</sup>-BOX



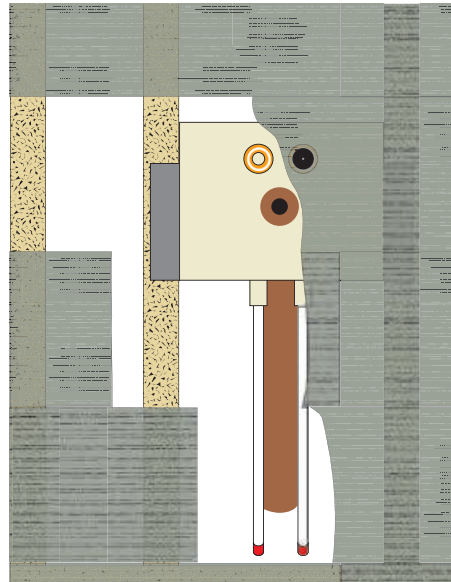
## SANHA<sup>®</sup>-Box

Practical installation boxes for professionals



### AREAS OF APPLICATION

- | Drinking water
- | Heating



# SANHA<sup>®</sup>-Box

Installers know the situation: water connections have to be installed requiring planning and time, small parts gathered together and sorted, and the various tools made ready. But now, that's all a thing of the past – thanks to the practical SANHA<sup>®</sup>-Box range. It contains all necessary connections, ready to fit, for easy connection to the piping system - including effective acoustic thermal insulation and condensate protection.

The entire SANHA<sup>®</sup>-Box range for drinking water installations is made exclusively from lead-free Silicon Bronze, (CuSi) press fittings, which emit no harmful lead into the drinking water – not only do you save substantial time and installation costs, you also gain the knowledge that your installation reliably meets the stringent drinking water regulation specifications!

The practical SANHA<sup>®</sup>-Box range comes in many versions: Preconfigured boxes are available and onto water meter connections.

## Drywall construction

The SANHA<sup>®</sup>-Box greatly reduces labour in dry-lining applications. Cavities, noise insulation or stability are real challenges. The SANHA-Box allows robust and very precise installation of all pipes, fittings, etc. including mounting frames and cross-members.

## Masonry

Installations in masonry walls are often subject to temperature and pressure fluctuations through the plaster which can also subsequently influence the installation conditions in residential rooms. This is reliably prevented by our specially developed SANHA<sup>®</sup>-Box. The pre-assembled system already includes foam insulation.

## Radiators

The SANHA<sup>®</sup>-Box is, of course, highly suited to installation in conjunction with compact radiators. By installing the connections in the wall, there is no need to install pipes under the floor, making subsequent floor cleaning considerably easier. At the same time, pipe strains are stabilised, insulation improved and associated noises effectively prevented.

Please pay particular attention to our technical documentation and installation instructions! Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

## Product catalogue | Practical installation boxes for professionals

### 25-BWDT-T

AUG 433

SANHA®-Box for dry-wall construction, bath and shower connections



Article No.	Dimension	Bag	Box
325BWDUT16	16	o. r.	o. r.
325BWDUT20	20	o. r.	o. r.

### 25-BWDTZ-T

AUG 433

SANHA®-Box for dry-wall construction, 2 bath and shower connections



Article No.	Dimension	Bag	Box
325BWDUZT16	16	o. r.	o. r.
325BWDUZT20	20	o. r.	o. r.

### 25-HK-T

AUG 433

SANHA®-Box for dry-wall construction, radiator installation



Article No.	Dimension	Bag	Box
325HKT16	16	o. r.	o. r.

### 25-ST-T

AUG 433

SANHA®-Box for dry-wall construction, sink connection



Article No.	Dimension	Bag	Box
325STT16	16	o. r.	o. r.

### 25-ST-T-O

AUG 433

SANHA®-Box for dry-wall construction, sink connection, connection at top



Article No.	Dimension	Bag	Box
325STT016	16	o. r.	o. r.

### 25-STZ-T

AUG 433

SANHA®-Box for dry-wall construction, 2 sink connections



Article No.	Dimension	Bag	Box
325STZT16	16	o. r.	o. r.

### 25-STZ-T-O

AUG 433

SANHA®-Box for dry-wall construction, 2 sink connections, connection at top



Article No.	Dimension	Bag	Box
325STZT016	16	o. r.	o. r.

### 25-WM-T

AUG 433

SANHA®-Box for dry-wall construction, washing machine connection



Article No.	Dimension	Bag	Box
325WMT16	16	o. r.	o. r.

### 25-WMZ-T

AUG 433

SANHA®-Box for dry-wall construction, 2 washing machine connections



Article No.	Dimension	Bag	Box
325WMZT16	16	o. r.	o. r.

### 25-WT-T

AUG 433

SANHA®-Box for dry-wall construction, wash basin connection



Article No.	Dimension	Bag	Box
325WTT16	16 (80 mm)	o. r.	o. r.
325WTT16_150	16 (150 mm)	o. r.	o. r.

## Product catalogue | Practical installation boxes for professionals

### 25-WT-T-O

AUG 433

SANHA®-Box for dry-wall construction, wash basin connection, connection at top



Article No.	Dimension	Bag	Box
325WTT016	16 (80 mm)	o. r.	o. r.
325WTT016_150	16 (150 mm)	o. r.	o. r.

### 25-WTZ-T

AUG 433

SANHA®-Box for dry-wall construction, 2 wash basin connections



Article No.	Dimension	Bag	Box
325WTZT16	16 (80 mm)	o. r.	o. r.
325WTZT16_150	16 (150 mm)	o. r.	o. r.

### 25-WTZ-T-O

AUG 433

SANHA®-Box for dry-wall construction, 2 wash basin connections, connection at top



Article No.	Dimension	Bag	Box
325WTZT016	16 (80 mm)	o. r.	o. r.
325WTZT016_150	16 (150 mm)	o. r.	o. r.

### 25-WBF

AUG 433

Wash basin mounting for dry-wall construction



Article No.	Dimension	Bag	Box
325WBF	o. r.	o. r.	15

### 25-BWDU-M

AUG 433

SANHA®-Box for masonry construction, bath and shower connections



Article No.	Dimension	Bag	Box
325BWDUM16	16	o. r.	o. r.
325BWDUM20	20	o. r.	o. r.

### 25-HK-M

AUG 433

SANHA®-Box for masonry construction, radiator installation



Article No.	Dimension	Bag	Box
325HKM16	16	o. r.	o. r.

### 25-ST-M

AUG 433

SANHA®-Box for masonry construction, sink connection



Article No.	Dimension	Bag	Box
325STM16	16	o. r.	o. r.
325STM20	20	o. r.	o. r.

### 25-ST-M-O

AUG 433

SANHA®-Box for masonry construction, sink connection, connection at top



Article No.	Dimension	Bag	Box
325STM016	16	o. r.	o. r.

### 25-WM-M

AUG 433

SANHA®-Box for masonry construction, washing machine connection



Article No.	Dimension	Bag	Box
325WMM16	16	o. r.	o. r.

## Product catalogue | Practical installation boxes for professionals

### 25-WM-M-O

AUG 433

SANHA®-Box for masonry construction, washing machine connection, connection at top



Article No.	Dimension	Bag	Box
325WMM016	16	o. r.	o. r.

### 25-WT-M

AUG 433

SANHA®-Box for masonry construction, wash basin connection



Article No.	Dimension	Bag	Box
325WTM16	16	o. r.	o. r.
325WTM20	20	o. r.	o. r.

### 25-WT-M-O

AUG 433

SANHA®-Box: masonry, washbasin connection



Article No.	Dimension	Bag	Box
325WTM016	16	o. r.	o. r.

### 25-WZ1-T

AUG 433

SANHA®-Box for dry-wall construction, water meter connection (1)



Article No.	Dimension	Bag	Box
325WZ1T	3/4	o. r.	o. r.

### 25-WZ2-T

AUG 433

SANHA®-Box for dry-wall construction, water meter connection (2)



Article No.	Dimension	Bag	Box
325WZ2T	3/4	o. r.	o. r.

### 25-WZ2-M

AUG 433

SANHA®-Box for masonry construction, water meter installation (2)



Article No.	Dimension	Bag	Box
325WZ2M	3/4	o. r.	o. r.

### 25-ML

AUG 433

Installation aid for the SANHA®-Box systems for adjusting of height and angle



Article No.	Dimension	Bag	Box
325ML	16	o. r.	o. r.

### 25-SWH

AUG 433

Shell for splash water for SANHA®-boxes



Article No.	Dimension	Bag	Box
325SWH	1/2	2	o. r.



# HEATING



## SANHA<sup>®</sup>-Heat Wall-heating modules

### AREAS OF APPLICATION

- | Heating
- | Cooling



# SANHA<sup>®</sup> -Heat

## Wall-heating modules

SANHA wall heating modules are a completely new, space-saving system for room heating and cooling. The system is characterised by the exceptionally high living comfort it provides, the ease of installation, very high energy efficiency compared to conventional heating systems as well as its positive impact on our health.

SANHA wall heating modules can be installed nearly everywhere, even in roof slopes.

The module is a patented, pre-constructed element made of special heating mortar and includes integrated multi-layer plastic pipes (PE-RT/AL/PE-RT). The maximum heating capacity is 210 W/m<sup>2</sup>. All modules can be operated with a supply temperature of up to 60 °C. The heating mode is certified in accordance with EN 1264.

### Operating conditions

Frame	0.75 mm galvanised sheet steel
Heating pipe	SANHA-Multifit <sup>®</sup> -Flex multilayer composite pipe, 16 x 2 mm (PE-RT/AL/PE-HD), oxygen-tight in accordance with DIN4726
Filler	Lime/cement/mortar with natural additives and carbon, Dry density: 1070 kg/m <sup>3</sup>
Coating	Cardboard
Reinforcement	Fibreglass
Joining technology	SANHA 3fit <sup>®</sup> -Press press connector or 3fit <sup>®</sup> -Push system
Operating temperature	Max. 60 °C (heating) Min. 16 °C (cooling)
Operating pressure	Max. 10 bar

Please pay particular attention to our technical documentation and installation instructions! Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

### FEATURES

#### High energy efficiency

- Radiant heat transfers temperature by electro-magnetic waves without unpleasant or inconvenient air turbulences. Since the human body – similar to the rays of the sun – is warmed directly when it comes into contact with the waves, the room temperature can be kept around 3 - 4 °C lower compared to conventional convection heating. This can often equal savings of on average 15 - 20 percent.
- Very good energy efficiency even at low temperatures
- Ideal combination with all conventional heat generators as well as heat pumps: The wall heating modules can be used to complement or completely replace conventional radiators
- A maximum heating output of 210 W/m<sup>2</sup> can be achieved.

#### Trouble-free installation

- Wall heating modules are supplied with a plastered finish ready for painting or wallpapering
- All of the work steps, from installation up to connection to the heating system, can be easily executed by the installer
- Wall heating modules can be dimensioned similar to normal radiators.
- Wall heating modules can be installed on masonry walls, timber walls and dry-wall studs as well as on roof slopes up to 45°
- The modules can be installed in landscape or portrait format
- 4 different lengths allow practically any combination

#### Healthy room climate

- As there is no convection, dust is not stirred up
- The heated walls permanently prevent the formation of dangerous mould as is often found in modernised old buildings
- Alongside the purely health-related aspects, this also means substantial protection of the building itself
- The radiated heat does not cause unhealthy, dry room air as with conventional radiators.

#### Areas of application

- SANHA<sup>®</sup> wall heating modules are ideally suited for new buildings as well as for the speedy and cost-efficient renovation of existing buildings and can be used for both heating and cooling.



## Product catalogue | Wall heating modules

### WH

AUG 431

Ready-to-install wall heating module with integrated heating register, 25mm thick, 625 mm wide



Article No.	Dimension	Bag	Box
1WH75	62.5 x 75	o.r.	o.r.
1WH125	62.5 x 125	o.r.	o.r.
1WH200	62.5 x 200	o.r.	o.r.
1WH250	62.5 x 250	o.r.	o.r.

### WHBS-H

AUG 431

Fastening set for wall heating modules for wooden walls



Article No.	Dimension	Bag	Box
1WHBSH	o.r.	1	15

### WHBS-M

AUG 431

Fastening set for wall heating modules for concrete and masonry



Article No.	Dimension	Bag	Box
1WHBSM	o.r.	1	20

### WHBS-T

AUG 431

Fastening set for wall heating modules for metal framed wall constructions



Article No.	Dimension	Bag	Box
1WHBST	o.r.	1	20

### WHLS

AUG 431

Pipe detector for searching for heating pipes in wall heating modules



Article No.	Dimension	Bag	Box
1WHLS	o.r.	o.r.	o.r.

### WHAS-PF

AUG 431

Connecting set for wall heating modules, press fittings

Article No.	Dimension	Bag	Box
1WHASPF	o.r.	1	o.r.

### WHAS-SF

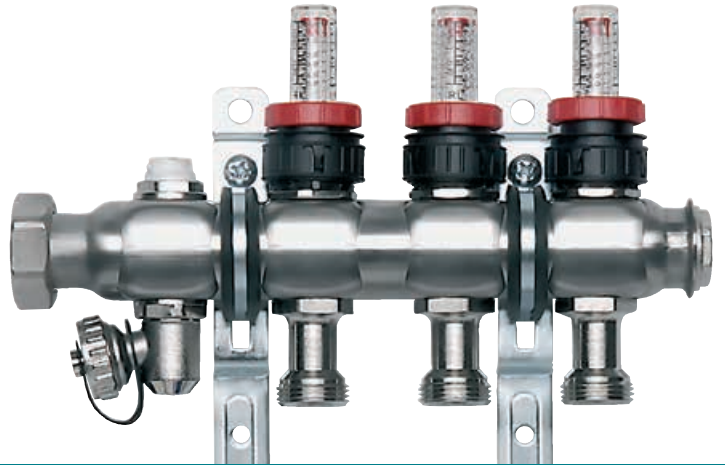
AUG 431

Connecting set for wall heating modules, push fittings

Article No.	Dimension	Bag	Box
1WHASSF	o.r.	1	o.r.



# HEATING



## SANHA<sup>®</sup>-Heat

### Heating circuit distributors

#### AREAS OF APPLICATION

- | Heating
- | Cooling



# SANHA<sup>®</sup> -Heat

## Heating circuit distributors

SANHA stainless steel heating circuit distributors are suitable for all hot water heating systems in accordance with EN 12828, and for panel heating / cooling systems in accordance with EN 1264, and can therefore be used not only in residential buildings, but also in industrial, commercial and public buildings.

They are used for the distribution of water and for isolating and balancing flow in heating and cooling circuits. This means that they can be used for the connection of radiators, ventilation / air conditioning units, as well as wall, ceiling and floor heating / cooling systems. Venting, flushing and flow balancing are particularly important to ensure trouble free and optimum operation in floor, wall and ceiling heating and cooling systems.

The SANHA heating circuit distributors are equipped as standard with a safety filling and ventilation device as well as integrated flow meters or control valves. This allows a reliable, fast and thus cost-efficient execution of these measures.

The SANHA stainless steel heating circuit distributors are complemented by an extensive accessory programme. Alongside cabinets for wall-mounted and concealed installation, there are fittings and installation kits for the primary connection and bridging joints for the secondary side. Room thermostats and actuators allow precise control of the room temperature. The unique pre-connected circuits, with an integrated pump, can be connected directly to the heating circuit. This makes it possible to integrate a low temperature circuit into an existing high temperature circuit. This eliminates the need for a separate hot water supply from the boiler and any works entailed. At the same time, the need for a separate hot water supply from the boiler and any works entailed are eliminated. A separate control circuit with extensive piping and troublesome interventions in the building structure is no longer necessary.

### Technical data and operating conditions for SANHA<sup>®</sup>-Heat heat distributors

Operating temperatures	-10 °C – +80 °C
Operating media	non-corrosive heating water / Glycol-water-solution with up to 50 % glycol
Maximum operating pressure	4.0 bar
Maximum test pressure	6.0 bar (DIN EN 1264-4)
Material	Stainless steel material number 1.4301 according to EN 10088-2

Please pay particular attention to our technical documentation and installation instructions! Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

## Product catalogue | Heating circuit distributors

### VT-DM

AUG 432

Stainless steel heating circuit distributor, with adjustable flow indicators for supply flow and thermostat valve inserts for return flow, incl. wall bracket and draining set



Article No.	Dimension	Bag	Box
1VT02DM	2	o.r.	1
1VT03DM	3	o.r.	1
1VT04DM	4	o.r.	1
1VT05DM	5	o.r.	1
1VT06DM	6	o.r.	1
1VT07DM	7	o.r.	1
1VT08DM	8	o.r.	1
1VT09DM	9	o.r.	1
1VT10DM	10	o.r.	1
1VT11DM	11	o.r.	1
1VT12DM	12	o.r.	1

### VT-DMZUB

AUG 432

Volume meter for distributor VTDM



Article No.	Dimension	Bag	Box
1VTDMZUB	o.r.-	o.r.-	o.r.-

### VT-RE

AUG 432

Stainless steel heating circuit distributor, with integrated control valve insert for supply flow and thermostat valve inserts for return flow, incl. zinc-coated wall bracket and draining set



Article No.	Dimension	Bag	Box
1VT02RE	2	o.r.	1
1VT03RE	3	o.r.	1
1VT04RE	4	o.r.	1
1VT05RE	5	o.r.	1
1VT06RE	6	o.r.	1
1VT07RE	7	o.r.	1
1VT08RE	8	o.r.	1
1VT09RE	9	o.r.	1
1VT10RE	10	o.r.	1
1VT11RE	11	o.r.	1
1VT12RE	12	o.r.	1

### VT-KH-S

AUG 432

Ball valve set



Article No.	Dimension	Bag	Box
1VTKHS34	3/4	o.r.	1
1VTKHS1	1	o.r.	1

### VT-WMZ-H

AUG 432

Connection set, horizontal, for heat meter, with 3 ball valves, variable adaptor pipe 3/4



Article No.	Dimension	Bag	Box
1VTWMZ34H	3/4	o.r.	1
1VTWMZ1H	1	o.r.	1

### VT-WMZ-V

AUG 432

Connection set, vertical, for heat meter, with 3 ball valves, variable adaptor pipe 3/4



Article No.	Dimension	Bag	Box
1VTWMZ34V	3/4	o.r.	1
1VTWMZ1V	1	o.r.	1

### VT-TA

AUG 432

Electro-thermal actuator, white, closed when currentless, position indicator, cable with plug



Article No.	Dimension	Bag	Box
1VTTA24	24 Volt	o.r.	1
1VTTA230	230 Volt	o.r.	1

### VT-RT

AUG 432

Room thermostat AP, super flat, white, closed when currentless, with thermal recirculation



Article No.	Dimension	Bag	Box
1VTRT24A	24 Volt	o.r.	1
1VTRT230A	230 Volt	o.r.	1

### VT-STB

AUG 432

Maximum supply flow limiter 60 °C, as contact thermostat with retaining strap fastening



Article No.	Dimension	Bag	Box
1VTSTB	o.r.	o.r.	1

### VT-PRG1E

AUG 432

Regulating station for fixed set point control, adjusting range 20-50 °C, electronically regulated circulating pump E4auto-130 mm, regulating valve with internal sensor and integrated nonreturn valve



Article No.	Dimension	Bag	Box
1VTPRG1E	o.r.	o.r.	1

### VT-PRG2

AUG 432

Regulating station for fixed set point control, adjusting range 20-50 °C, without circulating pump, regulating valve with internal sensor and integrated nonreturn valve



Article No.	Dimension	Bag	Box
1VTPRG2	o.r.	o.r.	1

### VT-PRG3E

AUG 432

Regulating station for fixed set point control, adjusting range 20-50 °C, electronically regulated circulating pump E4auto-130 mm, regulating valve with internal sensor, safety limitation, adjustable bypass and integrated nonreturn valve



Article No.	Dimension	Bag	Box
1VTPRG3E	o.r.	o.r.	1

### VT-WS-AP

AUG 432

Distribution cabinet, surface-mounted, galvanically zinc-coated steel sheet, painted white (RAL 9010), with removable door and locking bolt, installation depth 125 mm



Article No.	Dimension	Bag	Box
1VTWS0496AP	496 x 620	o.r.	1
1VTWS0582AP	582 x 620	o.r.	1
1VTWS0732AP	732 x 620	o.r.	1
1VTWS0882AP	882 x 620	o.r.	1
1VTWS1032AP	1032 x 620	o.r.	1

### VT-WS-UP

AUG 432

Distribution cabinet, in-wall, with galvanized installation frame, white (RAL 9010) front panel, with removable door and locking bolt, installation depth 110-150 mm



Article No.	Dimension	Bag	Box
1VTWS0490UP	490 x 705	o.r.	1
1VTWS0575UP	575 x 705	o.r.	1
1VTWS0725UP	725 x 705	o.r.	1
1VTWS0875UP	875 x 705	o.r.	1
1VTWS1025UP	1025 x 705	o.r.	1

# HEATING



## SANHA<sup>®</sup>-Heat Heater connections

### AREAS OF APPLICATION

- | Heating
- | Cooling

# SANHA<sup>®</sup>-Heat

## Heater connections

SANHA<sup>®</sup> Heat heating connections encompass a broad and practical range of connecting elements. They include all items necessary for a professional installation such as chrome and nickel plated radiator connections up to PN 10 with different threaded, press and solder fittings, cross tees for mixture-free crossing of pipes, radiator unions and more.

The SANHA<sup>®</sup> cross tees and distributors on one or two levels provide an optimal solution for both new construction as well as for refurbishment. Tees and distributors can be installed within the underfloor insulation in a way that saves time, money, and space.

For a particularly easy and time-saving connection of radiators SANHA also offers a nickel-plated CU-VN-block including an insulated casing.

Since heating connections depend on the system used, material and other factors, please refer to the corresponding operating conditions in these chapters:

- NiroTherm (05)
- PURAPRESS (07)
- SANHA-Press (08)
- SANHA-Therm (12)
- 3fit-Press (14)
- 3fit-Push (15)

Please pay particular attention to our technical documentation and installation instructions! Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

### FEATURES

#### Advantages of the block for the installer:

- Simple and time-saving connection of radiators
- The heating system does not have to be assembled and disassembled for pressure testing. This eliminates the risk of damage and the theft of radiators during the construction work.
- Prefabricated connecting pitch of 50 mm.
- No additional pressure testing of heating pipes required.
- Pressure test and test heating without radiator connection possible.
- Especially recommended for installation in winter.
- No interim storage, prevents damage to the radiator before final assembly.

#### Benefits for the client:

- Visually pleasing radiator junctions since connection pipes are not visible.
- No disturbing radiator pipes in the floor, no cumbersome adjustment work when laying the floor covering.
- Easy cleaning of the floor covering

#### Particular advantages of the SANHA screed manifold

- Full compatibility with all common pressing jaws and pressing machines for metallic materials.
- Very simple, clean and safe installation, thus short assembly times.
- The flat design provides minimal sub structure.
- Particularly suitable for installation in inaccessible areas.
- Allows space-saving crossing lines.
- No space is required for heating manifolds.
- Complete floor distribution pipework in press technology.

#### Particular advantages of the SANHA Crossroads Tees:

- Full compatibility with all pressing jaws and tools for metallic materials with the original profiles SA, M and V.
- Very simple, clean and safe installation, therefore shorter assembly times.
- The flat design provides minimal sub structure.
- Particularly suitable for installation in inaccessible areas.
- Allows space-saving crossing lines.
- No space required for heating manifolds.
- Complete floor distribution pipework in press technology.
- Prefabricated connecting pitch of 50 mm.

#### Practical considerations for Crossroads Tees

- When turning a crossover tee pay attention to the outlets for supply (V) and return (R).
- In addition, a maximum of two axially compressed successively crossing tees may be used without expansion compensation.
- The thermal change in length is considered. For this, the heat and sound insulation must be adapted to the appropriate places.



## Product catalogue | Heater connections

### 23500

AUG 492

MultiFit®-PE-RT system pipe, multi-layer plastic pipe for heating installation, in coils



Article No.	Dimension	Bag	Box
12350017	17 x 2.0 (600 m)	o.r.	o.r.

### 14AV

AUG 410

Radiator union, forged brass PN 10, according to DIN 3842, female/male male thread, lockable and adjustable, corner form, max. 100 °C, nickel-plated



Article No.	Dimension	Bag	Box
314AV38	3/8	o.r.	80
314AV12	1/2	o.r.	70

### 14ALV

AUG 410

Radiator union, forged brass PN 10, female solder end and male thread, lockable and adjustable, angle form, max. 100 °C, nickel-plated



Article No.	Dimension	Bag	Box
314ALV1512	15 x 1/2	o.r.	70

### 14APV

AUG 020

Radiator union, forged brass PN 10, female end and male thread, lockable and adjustable, angle form, max. 100 °C, nickel-plated



Article No.	Dimension	Bag	Box
314APV1512	15 x 1/2	o.r.	70

### 15AV

AUG 410

Radiator union, forged brass PN 10, according to DIN 3842, female/male thread, lockable and adjustable, straight form, max. 100 °C, nickel-plated



Article No.	Dimension	Bag	Box
315AV12	1/2	o.r.	70

### 15APV

AUG 020

Radiator union, forged brass PN 10, female end and male thread, lockable and adjustable, passage form, max. 100 °C, nickel-plated



Article No.	Dimension	Bag	Box
315APV1512	15 x 1/2	o.r.	70

### 15ALV

AUG 410

Radiator union, forged brass PN 10, female solder end and male thread, lockable and adjustable, passage form, max. 100 °C, nickel-plated



Article No.	Dimension	Bag	Box
315ALV1512	15 x 1/2	o.r.	70

### 4014KA

AUG 410

Radiator union, red brass PN 10, female solder end and male thread, lockable and adjustable, angle form, max. 100 °C, unfinished



Article No.	Dimension	Bag	Box
34014KA1512	15 x 1/2	o.r.	70

### 4015KA

AUG 410

Radiator union, red brass PN 10, female solder end and male thread, lockable and adjustable, passage form, max. 100 °C, raw



Article No.	Dimension	Bag	Box
34015KA1512	15 x 1/2	o.r.	60

### 25801

AUG 017

Brass (CW 617N) ball valve with press end and female thread (for 3fi t@-Press)

Article No.	Dimension	Bag	Box
1258011612	16 x 2.0 - 1/2	1	o.r.
1258012012	20 x 2.0 - 1/2	1	o.r.
1258012634	26 x 3.0 - 3/4	1	20

## Product catalogue | Heater connections

### 25802

AUG 017

Brass (CW 617N) ball valve with 2 press ends (for 3fi t®-Press)

Article No.	Dimension	Bag	Box
12580216	16 x 2.0	1	o. r.
12580220	20 x 2.0	1	o. r.

### 8180

AUG 020

SANHA®-Press Heat Cross, for mixture-free crossing of pipes in the same plane



Article No.	Dimension	Bag	Box
181801512	15 x 12	1	30
181802212	22 x 12	1	20

### 8181

AUG 020

SANHA®-Press Heat Cross distributor, two planes, female/female ends



Article No.	Dimension	Bag	Box
1818115	15	1	20
181811815	18 x 15	1	20
181812215	22 x 15	1	15
181812815	28 x 15	1	15

### 8580

AUG 020

SANHA®-Press Heat Cross tee, with 50 mm high insulation box, for mixture-free crossing of pipes keeping minimum installation heights



Article No.	Dimension	Bag	Box
1858015	15	o. r.	5
18580151215	15 x 12 x 15	o. r.	5
18580221522	22 x 15 x 22	o. r.	5
18580221822	22 x 18 x 22	o. r.	5

### 8580.1

AUG 020

SANHA®-Press Heat Cross tee, for mixture-free crossing of pipes keeping minimum installation heights (without insulation box)



Article No.	Dimension	Bag	Box
18580115	15	1	10
185801151215	15 x 12 x 15	1	10
185801221522	22 x 15 x 22	1	10
185801221822	22 x 18 x 22	1	10

### 8581

AUG 020

SANHA®-Press Heat Plaster distributor, for installation in heat and footfall insulation, prevents pipeline crossing, including 50 mm high insulation box



Article No.	Dimension	Bag	Box
18581221222	22 x 12 x 22	o. r.	5
18581221522	22 x 15 x 22	o. r.	5

### 8590

AUG 020

SANHA®-Press Heat radiator connector



Article No.	Dimension	Bag	Box
185901512	15 x 1/2 x 15	1	10
185901812	18 x 1/2 x 18	1	10

### 8620

AUG 020

CU-VN block for radiator connection, nickel-plated, with insulation box



Article No.	Dimension	Bag	Box
18620185	15 x 185	o. r.	2
18620255	15 x 255	o. r.	1

## Product catalogue | Heater connections

### 16003

AUG 020

SANHA®-Press Chrom Bend 90°, male plain ends, nickel-plated



Article No.	Dimension	Bag	Box
11600315125	15 x 125	10	60
11600315300	15 x 300	10	80

### DKHV VPE R

AUG 017

Compression fitting set, with euroconus, for MultiFit®-Flex and MultiFit®-PEX pipes, raw



Article No.	Dimension	Bag	Box
3DKHVPE3416R	3/4 x 16	1	100
3DKHVPE3420R	3/4 x 20	1	100

### DKHV CU

AUG 020

Compression fitting set for copper and mild steel pipes, with euroconus, for VN block no. 8620 and bend no. 16003, nickel-plated



Article No.	Dimension	Bag	Box
3DKHVUCU3412	3/4 x 12	1	o.r.
3DKHVUCU3415	3/4 x 15	1	100
3DKHVUCU3418	3/4 x 18	1	100

### DKHV CU R

AUG 020

Compression fitting set for copper and mild steel pipes, with euroconus, for VN block no. 8620 and bend no. 16003, raw



Article No.	Dimension	Bag	Box
3DKHVUCU3412R	3/4 x 12	1	o.r.
3DKHVUCU3418R	3/4 x 18	1	o.r.

### DKHV VPE

AUG 017

Compression fitting set, with euroconus, for MultiFit®-Flex and MultiFit®-PEX pipes, nickel coated



Article No.	Dimension	Bag	Box
3DKHVPE1216	1/2 x 16	1	50
3DKHVPE3416	3/4 x 16	1	100
3DKHVPE3417	3/4 x 17	1	100
3DKHVPE3420	3/4 x 20	1	100



# SANHA<sup>®</sup>-BALL VALVES

lead-free silicon  
bronze CuSi



## SANHA<sup>®</sup>-Ball valves

**NEW!**

### EINSATZBEREICHE

- | Heating
- | Refrigeration systems
- | Refrigeration
- | Compressed air (oil  $\leq 25$  mg/m<sup>3</sup>)
- | Cooling water

More applications on demand.

# SANHA<sup>®</sup> - Ball valves

NEW!

SANHA<sup>®</sup> ball valves are made from the material CW617N (body) while the press ends are made from lead-free silicon bronze CuSi (CW 724R).

**Our copper alloy ball valves are ideal for compressed air applications, water and heating installations, technical and industrial gases as well as cooling applications such as chilled water and glycol.**

The valves are available in sizes 15 up to 54 mm and are tested and approved for reliable connections with copper pipes, NiroSan<sup>®</sup> stainless steel system pipes and SANHA<sup>®</sup>-Therm carbon steel pipes.

In cooling systems, the handle must stick out of the insulation. Especially for this purpose, the range also includes stem extensions in different sizes.

## Operating conditions for SANHA<sup>®</sup> ball valves

Operating temperature	-30 – +120
Operating pressure	16 bar

Please pay particular attention to our technical documentation and installation instructions! Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

## FEATURES

### Combipress

- **Tool compatibility:** pressable with press jaws and slings with original SA, V and M profile up to and including 54 mm
- **Leak path feature:** (certified forced leakage before pressing with EPDM and HNBR sealing rings) in combination with
- **Push & Stay** function for safe, reliable installation in every position

### Fast installation, no risk of fire

The connection by cold pressing enables a fast, time-saving installation and eliminates the risk of fire during the process.

### Exceptional flexibility of the piping system

Reliable, permanent connection with following pipes:  
**NiroSan<sup>®</sup>** (1.4404/316L), TIG-welded, annealed, low carbon, high ( $\geq 2,3$  %) molybdenum content for increased corrosion resistance. Labelled in black lettering  
**NiroSan<sup>®</sup> ECO** (1.4404/316L), optimised wall thickness, TIG-welded, annealed, low carbon, high ( $\geq 2,3$  %) molybdenum content for increased corrosion resistance  
**NiroSan<sup>®</sup>-F** (1.4521/444), TIG-welded, pickled for improved corrosion resistance, nickle-free  
**copper pipes** according to EN 1057  
**SANHA<sup>®</sup>-Therm** installation pipes according to EN 10305-3 and/or EN 10346

The range includes stem extensions in different sizes for applications where the handle must stick out of the insulation.

## Product catalogue | Ball valves

**BV-BS**

AUG 407

Brass Ball valves with press ends

Article No.	Dimension	Bag	Box
1BVBS15	15	8	64
1BVBS22	22	12	48
1BVBS28	28	6	24
1BVBS35	35	2	8
1BVBS42	42	2	6
1BVBS54	54	2	4

**BV-EXT-S**

AUG 407

Stem extension for ball valves

Article No.	Dimension	Bag	Box
1BVEXTS	15 mm	o. r.	o. r.
1BVEXTM	22 + 28 mm	o. r.	o. r.
1BVEXTL	35, 42 + 54 mm	o. r.	o. r.





# CAPILLARY SOLDER FITTINGS

## Copper alloy



# SA

## Series 4000

### AREAS OF APPLICATION

- | Drinking water
- | Heating Medical gases
- | Gas installations
- | Rainwater
- | Solar systems
- | Compressed air
- | Fire extinguishing system [wet]
- | Sprinkler systems [wet]
- | Inert gases
- | Cooling water pipes



# SA

## Series 4000

The SANHA series 4000 „SA“ consist of solder and transition fittings for copper pipes according to EN 1057 and EN 13348 for hard and soft soldering. All products are certified according to many national and international certification bodies.

SANHA capillary solder fittings are manufactured from copper (Cu-DHP, CW024A for moulded parts) and copper alloys CC499K (threaded parts, cast parts) and fulfill all requirements of BS EN 1254.

### Maximum permissible operating pressures for copper pipes with SANHA® capillary solder fittings according to BS EN 1254-1

Connection type	Operating temperature [°C]	Outside pipe diameter		
		6...28 mm	35...54 mm	64...108 mm
Soft soldering	30	40	25	16
	65	25	16	16
	110	16	10	10
Hard soldering	30	40	25	16
	65	25	16	16
	110	16	10	10
Pipe thread		R/Rp thread according to EN 10226		
Fastening thread		G thread according to ISO 228		

### FEATURES

#### Fast and reliable installation

- thanks to the sealing feature in the thread and narrow manufacturing tolerances. The thread conforms with EN 10226 and ISO7/1 Type R and Rp.

#### Optimum corrosion resistance

- due to the comparatively low carbon content of <0.5 mg C / dm<sup>2</sup>.

#### Extensive portfolio:

- SANHA offers all dimensions from 6 to 159 mm

Please pay particular attention to our technical documentation and installation instructions! Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

## Product catalogue | (Series 4000)

### 4090G

AUG 051

Elbow 90°, female solder end and female thread



Article No.	Dimension	Bag	Box
140901238	12 x 3/8	10	250
140901212	12 x 1/2	10	250
140901412	14 x 1/2	10	200
140901538	15 x 3/8	10	250
140901512	15 x 1/2	10	200
140901534	15 x 3/4	10	150
140901612	16 x 1/2	10	150
140901634	16 x 3/4	10	150
140901812	18 x 1/2	10	150
140901834	18 x 3/4	10	130
140902212	22 x 1/2	10	130
140902234	22 x 3/4	10	100
14090221	22 x 1	10	80
140902834	28 x 3/4	10	50
14090281	28 x 1	10	50
1409035114	35 x 1 1/4	o.r.	30
1409042112	42 x 1 1/2	o.r.	20
14090542	54 x 2	o.r.	10

### 4092G

AUG 051

Elbow 90°, female solder end and male thread



Article No.	Dimension	Bag	Box
140921212	12 x 1/2	10	300
140921412	14 x 1/2	10	200
140921512	15 x 1/2	10	200
140921612	16 x 1/2	10	200
140921812	18 x 1/2	10	200
140921834	18 x 3/4	10	150
140922234	22 x 3/4	10	120
14092221	22 x 1	10	60
140922834	28 x 3/4	o.r.	70
14092281	28 x 1	o.r.	60
1409235114	35 x 1 1/4	o.r.	35
1409242112	42 x 1 1/2	2	24
14092542	54 x 2	o.r.	12

### 4098G

AUG 051

Elbow union, conical sealing, female solder end and male thread



Article No.	Dimension	Bag	Box
140981238	12 x 3/8	5	125
140981512	15 x 1/2	5	100
140981812	18 x 1/2	5	100
140982234	22 x 3/4	5	50
14098221	22 x 1	5	40
14098281	28 x 1	5	30
1409835114	35 x 1 1/4	2	20
1409842112	42 x 1 1/2	2	12
14098542	54 x 2	2	6

### 4130G

AUG 051

Tee, with female thread, female/female solder end



Article No.	Dimension	Bag	Box
141301538	15 x 3/8 x 15	10	200
141301512	15 x 1/2 x 15	10	120
141301812	18 x 1/2 x 18	10	120
141301834	18 x 3/4 x 18	10	90
141302212	22 x 1/2 x 22	10	70
141302234	22 x 3/4 x 22	10	60
141302812	28 x 1/2 x 28	5	50
141302834	28 x 3/4 x 28	5	40
14130281	28 x 1 x 28	10	40
141303512	35 x 1/2 x 35	2	30

### 4180

AUG 051

Cross, female solder ends



Article No.	Dimension	Bag	Box
1418015	15	10	100
1418018	18	10	80
1418022	22	10	50
1418028	28	10	30

# SA CAPILLARY SOLDER FITTINGS

## Product catalogue | (Series 4000)

### 4243G

AUG 051

Adaptor, with female solder end and male thread



Article No.	Dimension	Bag	Box
142431014	10 x 1/4	10	600
142431038	10 x 3/8	10	600
142431012	10 x 1/2	10	500
142431238	12 x 3/8	10	500
142431212	12 x 1/2	10	400
142431412	14 x 1/2	10	400
142431538	15 x 3/8	10	400
142431512	15 x 1/2	10	300
142431534	15 x 3/4	10	250
142431612	16 x 1/2	10	350
142431634	16 x 3/4	10	250
142431812	18 x 1/2	10	250
142431834	18 x 3/4	10	250
142432212	22 x 1/2	10	250
142432234	22 x 3/4	10	180
14243221	22 x 1	10	160
142432812	28 x 1/2	5	120
142432834	28 x 3/4	5	120
14243281	28 x 1	5	80
1424328114	28 x 1 1/4	5	90
142433534	35 x 3/4	2	o.r.
14243351	35 x 1	2	50
1424335114	35 x 1 1/4	2	50
1424335112	35 x 1 1/2	2	60
1424342114	42 x 1 1/4	2	40
1424342112	42 x 1 1/2	2	36
14243422	42 x 2	2	32
1424354112	54 x 1 1/2	2	24
14243542	54 x 2	2	20
1424364212	64 x 2 1/2	1	14
1424367212	66.7 x 2 1/2	1	12
1424376212	76.1 x 2 1/2	1	12
14243763	76.1 x 3	1	10
14243803	80 x 3	1	6
14243893	88.9 x 3	1	7
142431084	108.0 x 4	1	2

### 4246G

AUG 051

Transition element, with male solder end and female thread



Article No.	Dimension	Bag	Box
142461238	12a x 3/8	10	400
142461212	12a x 1/2	10	300
142461538	15a x 3/8	10	400
142461512	15a x 1/2	10	300
142461812	18a x 1/2	10	250
142461834	18a x 3/4	10	200
142462212	22a x 1/2	10	200
142462234	22a x 3/4	10	200
142462834	28a x 3/4	10	150
14246281	28a x 1	5	100
1424635114	35a x 1 1/4	o.r.	70
1424642112	42a x 1 1/2	o.r.	40
14246542	54a x 2	o.r.	24

### 4270G

AUG 051

Transition coupling, with female solder end and female thread



Article No.	Dimension	Bag	Box
142701038	10 x 3/8	10	400
142701238	12 x 3/8	10	400
142701212	12 x 1/2	10	300
142701438	14 x 3/8	10	400
142701412	14 x 1/2	10	250
142701538	15 x 3/8	10	350
142701512	15 x 1/2	10	250
142701534	15 x 3/4	10	200
142701612	16 x 1/2	10	250
142701634	16 x 3/4	10	200
142701812	18 x 1/2	10	250
142701834	18 x 3/4	10	200
142702212	22 x 1/2	10	200
142702234	22 x 3/4	10	150
14270221	22 x 1	10	100
142702812	28 x 1/2	5	120
142702834	28 x 3/4	5	100
14270281	28 x 1	5	80
1427028114	28 x 1 1/4	5	60
14270351	35 x 1	2	70
1427035114	35 x 1 1/4	2	50
1427035112	35 x 1 1/2	2	42
14270421	42 x 1	2	50

## Product catalogue I (Series 4000)

### 4270G

AUG 051

Transition coupling, with female solder end and female thread



Article No.	Dimension	Bag	Box
1427042114	42 x 1 1/4	2	40
1427042112	42 x 1 1/2	2	40
1427054112	54 x 1 1/2	2	24
14270542	54 x 2	2	18
14270642	64 x 2	1	18
1427064212	64 x 2 1/2	1	12
1427076212	76.1 x 2 1/2	1	12
14270893	88.9 x 3	1	6

### 4280G

AUG 051

Male adaptor, with male solder end and male thread



Article No.	Dimension	Bag	Box
142801238	12a x 3/8	10	500
142801212	12a x 1/2	10	500
142801512	15a x 1/2	10	350
142801812	18a x 1/2	10	300
142802212	22a x 1/2	10	250
142802234	22a x 3/4	10	200
14280281	28a x 1	5	80
1428035114	35a x 1 1/4	o.r.	40
1428042112	42a x 1 1/2	o.r.	40
14280542	54a x 2	o.r.	24

### 4330

AUG 051

Union, flat seal, female/female solder end



Article No.	Dimension	Bag	Box
1433012	12	5	200
1433015	15	5	120
1433018	18	5	120
1433022	22	5	100
1433028	28	5	50
1433035	35	2	30
1433042	42	2	20
1433054	54	2	12

### 4330G

AUG 051

Union, flat seal, with female solder end and female thread



Article No.	Dimension	Bag	Box
143301238	12 x 3/8	5	250
143301512	15 x 1/2	5	120
143301534	15 x 3/4	5	120
143301812	18 x 1/2	5	120
143301834	18 x 3/4	5	120
143302234	22 x 3/4	5	80
14330221	22 x 1	5	70
14330281	28 x 1	5	50
1433035114	35 x 1 1/4	2	30
1433042112	42 x 1 1/2	2	20
14330542	54 x 2	2	12

### 4331G

AUG 051

Union, flat seal, with female solder end, insert with male thread



Article No.	Dimension	Bag	Box
143311238	12 x 3/8	5	200
143311512	15 x 1/2	5	120
143311612	16 x 1/2	5	150
143311812	18 x 1/2	5	120
143311834	18 x 3/4	5	80
143312212	22 x 1/2	5	120
143312234	22 x 3/4	5	80
14331221	22 x 1	5	50
14331281	28 x 1	5	50
1433135114	35 x 1 1/4	2	30
1433142112	42 x 1 1/2	2	20
14331542	54 x 2	2	10
1433164212	64 x 2 1/2	1	6

### 4333G

AUG 051

Union, flat seal, with female solder end, screwed insert with male thread



Article No.	Dimension	Bag	Box
143331512	15 x 1/2	5	150
143331812	18 x 1/2	5	150
143332234	22 x 3/4	5	80
14333221	22 x 1	5	70

# SA CAPILLARY SOLDER FITTINGS

## Product catalogue I (Series 4000)

### 4333G

AUG 051

Union, flat seal, with female solder end, screwed insert with male thread



Article No.	Dimension	Bag	Box
14333281	28 x 1	5	40
1433335114	35 x 1 1/4	2	24
1433342112	42 x 1 1/2	2	20
14333542	54 x 2	2	10

### 4340

AUG 051

Union, conical sealing, female/female solder end



Article No.	Dimension	Bag	Box
1434012	12	5	200
1434015	15	5	120
1434018	18	5	120
1434022	22	5	100
1434028	28	5	50
1434035	35	2	30
1434042	42	2	20
1434054	54	2	12

### 4340G

AUG 051

Union, conical sealing, with female solder end, screwed insert with female thread



Article No.	Dimension	Bag	Box
143401212	12 x 1/2	5	150
143401538	15 x 3/8	5	120
143401512	15 x 1/2	5	120
143401534	15 x 3/4	5	120
143401812	18 x 1/2	5	120
143401834	18 x 3/4	5	120
143402212	22 x 1/2	5	80
143402234	22 x 3/4	5	80
14340221	22 x 1	5	70
14340281	28 x 1	5	50
1434035114	35 x 1 1/4	2	30
1434042112	42 x 1 1/2	2	20
14340542	54 x 2	2	12

### 4341G

AUG 051

Union, conical sealing, with female solder end, insert with male thread



Article No.	Dimension	Bag	Box
143411038	10 x 3/8	5	200
143411214	12 x 1/4	5	300
143411238	12 x 3/8	5	200
143411212	12 x 1/2	5	150
143411538	15 x 3/8	5	150
143411512	15 x 1/2	5	120
143411534	15 x 3/4	5	80
143411612	16 x 1/2	5	150
143411812	18 x 1/2	5	120
143411834	18 x 3/4	5	80
143412212	22 x 1/2	5	120
143412234	22 x 3/4	5	80
14341221	22 x 1	5	50
14341281	28 x 1	5	45
1434135114	35 x 1 1/4	2	30
1434142112	42 x 1 1/2	2	20
14341542	54 x 2	2	10
1434176212	76.1 x 2 1/2	1	5
14341893	88.9 x 3	1	3

### 4343G

AUG 051

Union, conical sealing, with female solder end, screwed insert with male thread



Article No.	Dimension	Bag	Box
143431014	10 x 1/4	5	o.r.
143431038	10 x 3/8	5	o.r.
143431238	12 x 3/8	5	150
143431212	12 x 1/2	5	150
143431512	15 x 1/2	5	150
143431812	18 x 1/2	5	150
143431834	18 x 3/4	5	120
143432234	22 x 3/4	5	80
14343281	28 x 1	5	40
1434335114	35 x 1 1/4	2	24
1434342112	42 x 1 1/2	2	20
14343542	54 x 2	2	10
1434364212	64 x 2 1/2	1	5
1434376212	76.1 x 2 1/2	1	4

## Product catalogue | (Series 4000)

### 4359G

AUG 051

Union adaptor, flat seal,  
female solder end



Article No.	Dimension	Bag	Box
143591212	12 x 1/2	5	300
143591534	15 x 3/4	5	200
143591834	18 x 3/4	5	200
14359181	18 x 1	5	150
14359221	22 x 1	5	150
1435922114	22 x 1 1/4	5	100
1435928114	28 x 1 1/4	5	70
1435928112	28 x 1 1/2	5	60
1435935112	35 x 1 1/2	2	60

### 4360G

AUG 051

Union adaptor, conical sealing,  
female solder end



Article No.	Dimension	Bag	Box
143601534	15 x 3/4	5	200
143601834	18 x 3/4	5	200

### 4370

AUG 051

Screwed insert, flat sealing,  
female solder end



Article No.	Dimension	Bag	Box
143701512	15 x 1/2	o.r.	600
143701834	18 x 3/4	o.r.	350
143702234	22 x 3/4	o.r.	250
14370221	22 x 1	o.r.	200
1437028114	28 x 1 1/4	o.r.	140
1437035112	35 x 1 1/2	o.r.	80

### 4370G

AUG 051

Screwed insert, flat sealing, female  
thread



Article No.	Dimension	Bag	Box
143701234B	1/2 x 3/4	o.r.	350
14370341	3/4 x 1	o.r.	180

### 4371G

AUG 051

Insert, flat sealing, male thread



Article No.	Dimension	Bag	Box
143713812	3/8 x 1/2	o.r.	800
143711234	1/2 x 3/4	o.r.	300
14371341	3/4 x 1	o.r.	200
143711114	1 x 1 1/4	o.r.	100

### 4372

AUG 051

Insert, flat sealing, female solder end



Article No.	Dimension	Bag	Box
143721534	15 x 3/4	o.r.	600
143721834	18 x 3/4	o.r.	600
14372181	18 x 1	o.r.	400
14372221	22 x 1	o.r.	350
1437222114	22 x 1 1/4	o.r.	220
1437228114	28 x 1 1/4	o.r.	140
1437228112	28 x 1 1/2	o.r.	150

### 4374

AUG 051

Cap nut (brass)



Article No.	Dimension	Bag	Box
1437412	1/2 SW24-6kt.H14 x Bo 16.9	o.r.	800
1437434	3/4 SW30-6kt.H14 x Bo 22.5	o.r.	450
143741	1 SW37-8kt.H16.5 x Bo 27.5	o.r.	250
14374114	11/4 SW46-8kt.H18 x Bo 36.0	o.r.	150
14374112	11/2 SW52-8kt.H19 x Bo 42.5	o.r.	120
14374134	13/4 SW59-8kt.H22 x Bo 48.0	o.r.	70
143742	2 SW64-8kt.H24 x Bo 53.1	o.r.	50
14374214	21/4 SW72-8kt.H24.5 x Bo 59.0	o.r.	40
14374238	23/8 SW75-8kt.H25 x Bo 60.5	o.r.	40
14374234	23/4 SW89-8kt.H26 x Bo 74.1	o.r.	25
143743	3 SW94-8kt.H31 x Bo 80.0	o.r.	20
143744	4 SW120-8kt.H37.5 x Bo 104.5	o.r.	8

# SA CAPILLARY SOLDER FITTINGS

## Product catalogue I (Series 4000)

### 4376G

AUG 501

Screwed insert, flat sealing, male thread



Article No.	Dimension	Bag	Box
14376G1234	1/2 x 3/4	o.r.	300
14376G121	1/2 x 1	o.r.	180
14376G341	3/4 x 1	o.r.	150
14376G34114	3/4 x 1 1/4	o.r.	100
14376G1112	1 x 1 1/2	o.r.	40

### 4471G

AUG 051

Triangle wall plate flange, with female solder end and female thread



Article No.	Dimension	Bag	Box
144711238	12 x 3/8	10	200
144711212	12 x 1/2	10	150
144711512	15 x 1/2	10	120
144711812	18 x 1/2	10	120

### 4472G

AUG 051

Winged wall plate flange, with female solder end and female thread



Article No.	Dimension	Bag	Box
144721212	12 x 1/2	10	150
144721412	14 x 1/2	10	120
144721512	15 x 1/2	10	150
144721534	15 x 3/4	10	100
144721612	16 x 1/2	10	120
144721812	18 x 1/2	10	120
144721834	18 x 3/4	10	90
144722234	22 x 3/4	10	60

### 4976

AUG 055

Mounting unit, female solder end and female thread, edged



Article No.	Dimension	Bag	Box
149761212	12 x 1/2 150 mm	o.r.	28
149761512	15 x 1/2 150 mm	10	20

### 4976-F

AUG 055

Mounting unit, female solder end and female thread, flat



Article No.	Dimension	Bag	Box
14976F1512	15 x 1/2 150 mm	10	20

### DCU

AUG 602

Sealing ring, for copper/red brass and stainless steel unions, tested according to DIN 3535 Part 6, DIN DVGW, made without asbestos, max. temperature resistance 200 °C, field of application: water, vapour, alcohols, glycols, oils based on hydrocarbons



Article No.	Dimension	Bag	Box
1DCU12	1/2 nut 18 x 11 x 2	o.r.	800
1DCU58	5/8 nut 20 x 10 x 2	o.r.	600
1DCU34	3/4 nut 24 x 17 x 2	o.r.	600
1DCU1	1 nut 30 x 21 x 2	o.r.	400
1DCU114	1 1/4 nut 38 x 27 x 2	o.r.	400
1DCU112	1 1/2 nut 44 x 32 x 2	o.r.	400
1DCU134	1 3/4 nut 50 x 37 x 2	o.r.	320
1DCU2	2 nut 55 x 42 x 2	o.r.	240
1DCU214	2 1/4 nut 62 x 46 x 2	o.r.	200
1DCU238	2 3/8 nut 65 x 55 x 2	o.r.	200
1DCU212	2 1/2 nut 72 x 55 x 2	o.r.	160
1DCU234	2 3/4 nut 78 x 60 x 2	o.r.	120
1DCU3	3 nut 85 x 70 x 2	o.r.	120
1DCU312	3 1/2 nut 97 x 75 x 2	o.r.	80



# CAPILLARY SOLDER FITTINGS

## Copper



### SA

#### Series 5000 and fittings for hard soldering

##### AREAS OF APPLICATION

- | Drinking water
- | Heating
- | Medical gases
- | Gas installations
- | Rainwater
- | Solar systems
- | Compressed air
- | Fire extinguishing system [wet]
- | Sprinkler systems [wet]
- | Inert gases
- | Cooling water pipes



# SA

## Series 5000

The SANHA series 5000 „SA“ consist of solder and transition fittings for copper pipes according to EN 1057 and EN 13348 for hard and soft soldering. All products are certified according to many national and international certification bodies.

SANHA capillary solder fittings are manufactured from copper (Cu-DHP, CW024A for moulded parts) and copper alloys CC499K (threaded parts, cast parts) and fulfill all requirements of BS EN 1254.

### Maximum permissible operating pressures for copper pipes with SANHA® capillary solder fittings according to BS EN 1254-1

Connection type	Operating temperature [°C]	Outside pipe diameter		
		6...28 mm	35...54 mm	64...159 mm
Soft soldering	30	40	25	16
	65	25	16	16
	110	16	10	10
Hard soldering	30	40	25	16
	65	25	16	16
	110	16	10	10
Pipe thread		R/Rp thread according to EN 10226		
Fastening thread		G thread according to ISO 228		

### FEATURES

#### Fast and reliable installation

- thanks to the sealing feature in the thread and narrow manufacturing tolerances. The thread conforms with EN 10226 and ISO7/1 Type R and Rp.

#### Optimum corrosion resistance

- due to the comparatively low carbon content of <0.5 mg C / dm<sup>2</sup>.

#### Extensive portfolio:

- SANHA offers all dimensions from 6 to 159 mm

Please pay particular attention to our technical documentation and installation instructions! Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

## Product catalogue I (Series 5000 and fittings for hard soldering)

### 5001A

AUG 052

Bend 90°, female/male solder end



Article No.	Dimension	Bag	Box
15001A6	6	10	3000
15001A8	8	10	2000
15001A10	10	10	1500
15001A12	12	10	900
15001A14	14	10	700
15001A15	15	10	550
15001A16	16	10	550
15001A18	18	10	350
15001A22	22	10	200
15001A28	28	5	100
15001A32	32	5	80
15001A35	35	2	50
15001A36	36	2	50
15001A40	40	2	40
15001A42	42	2	34
15001A52	52	2	16
15001A54	54	2	16
15001A64	64	1	22
15001A67	66.7	1	20
15001A70	70	1	20
15001A76	76.1	1	14
15001A80	80	1	12
15001A89	88.9	1	9
15001A108	108.0	1	4

### 5002A

AUG 052

Bend 90°, female/female solder end



Article No.	Dimension	Bag	Box
15002A6	6	10	3000
15002A8	8	10	2000
15002A10	10	10	1400
15002A12	12	10	1000
15002A14	14	10	550
15002A15	15	10	550
15002A16	16	10	500
15002A18	18	10	350
15002A22	22	10	200
15002A28	28	5	100
15002A32	32	5	70
15002A35	35	2	50

### 5002A

AUG 052

Bend 90°, female/female solder end



Article No.	Dimension	Bag	Box
15002A36	36	o.r.	55
15002A40	40	2	40
15002A42	42	2	30
15002A52	52	2	16
15002A54	54	2	14
15002A64	64	1	25
15002A67	66.7	1	20
15002A70	70	o.r.	18
15002A76	76.1	1	14
15002A80	80	1	12
15002A89	88.9	1	9
15002A108	108.0	1	4
15002A133	133	o.r.	2
15002A159	159	1	1

### 5002G

AUG 052

Bend 90°, female solder end with nut



Article No.	Dimension	Bag	Box
15002G1412	14 x 1/2	5	170
15002G1512	15 x 1/2	5	170
15002G1812	18 x 1/2	5	150
15002G1834	18 x 3/4	5	90
15002G2234	22 x 3/4	5	90

### 5040

AUG 052

Bend 45°, female/male solder end



Article No.	Dimension	Bag	Box
150406	6	10	2500
150408	8	10	1700
1504010	10	10	1800
1504012	12	10	1300
1504014	14	10	850
1504015	15	10	700
1504016	16	10	750
1504018	18	10	400
1504022	22	10	280

# SA CAPILLARY SOLDER FITTINGS

## Product catalogue I (Series 5000 and fittings for hard soldering)

### 5040

AUG 052

Bend 45°, female/male solder end



Article No.	Dimension	Bag	Box
1504028	28	5	160
1504032	32	5	100
1504035	35	2	80
1504036	36	2	100
1504040	40	2	60
1504042	42	2	50
1504052	52	2	24
1504054	54	2	24
1504064	64	1	36
1504076	76.1	1	25
1504080	80	1	20
1504089	88.9	1	15
15040108	108.0	1	8

### 5041

AUG 052

Bend 45°, female/female solder end



Article No.	Dimension	Bag	Box
150416	6	10	2500
150418	8	10	1700
1504110	10	10	1500
1504112	12	10	1200
1504114	14	10	700
1504115	15	10	800
1504116	16	10	600
1504118	18	10	450
1504120	20	10	350
1504122	22	10	280
1504125	25	10	200
1504128	28	5	150
1504132	32	5	100
1504135	35	2	80
1504140	40	2	60
1504142	42	2	50
1504152	52	2	24
1504154	54	2	20
1504164	64	1	36
1504167	66.7	o.r.	35

### 5041

AUG 052

Bend 45°, female/female solder end



Article No.	Dimension	Bag	Box
1504176	76.1	1	24
1504180	80	o.r.	20
1504189	88.9	1	15
15041108	108.0	1	8
15041133	133	o.r.	5
15041159	159	1	2

### 5060

AUG 052

Return bend, female/female solder end



Article No.	Dimension	Bag	Box
150608	8	10	1000
1506010	10	10	800
1506012	12	10	500
1506015	15	10	300
1506016	16	10	200
1506018	18	10	180
1506022	22	10	90
1506028	28	5	50
1506035	35	2	20
1506042	42	2	12
1506054	54	2	4

### 5085

AUG 052

Crossover, female/female solder end



Article No.	Dimension	Bag	Box
1508512	12	10	300
1508514	14	10	200
1508515	15	10	150
1508516	16	10	180
1508518	18	10	120
1508522	22	10	70

## Product catalogue I (Series 5000 and fittings for hard soldering)

### 5086

AUG 052

Crossover, female/male solder end



Article No.	Dimension	Bag	Box
1508612	12	10	400
1508614	14	10	250
1508615	15	10	250
1508616	16	10	250
1508618	18	10	180
1508622	22	10	100

### 5090

AUG 052

Elbow 90°, female/female solder end



Article No.	Dimension	Bag	Box
150906	6	10	3000
150908	8	10	2000
1509010	10	10	1800
1509012	12	10	1000
1509014	14	10	800
1509015	15	10	700
1509016	16	10	600
1509018	18	10	450
1509020	20	10	300
1509022	22	10	280
1509025	25	10	200
1509028	28	5	150
1509032	32	5	100
1509035	35	2	70
1509036	36	2	50
1509040	40	2	40
1509042	42	2	44
1509052	52	2	20
1509054	54	2	20
1509064	64	1	30
1509067	66.7	o.r.	25
1509070	70	1	25
1509076	76.1	1	20
1509089	88.9	1	12
15090108	108.0	1	6

### 5092

AUG 052

Elbow 90°, female/male solder end



Article No.	Dimension	Bag	Box
150926	6	10	2000
150928	8	10	2000
1509210	10	10	1500
1509212	12	10	1200
1509214	14	10	800
1509215	15	10	700
1509216	16	10	600
1509218	18	10	400
1509222	22	10	250
1509228	28	5	130
1509232	32	5	100
1509235	35	2	60
1509236	36	2	60
1509240	40	2	50
1509242	42	2	40
1509252	52	2	20
1509254	54	2	20
1509267	66.7	1	25

### 5130

AUG 052

Tee, female solder ends



Article No.	Dimension	Bag	Box
151306	6	10	3000
151308	8	10	1500
1513010	10	10	1000
1513012	12	10	800
1513014	14	10	500
1513015	15	10	500
1513016	16	10	400
1513018	18	10	300
1513022	22	10	160
1513028	28	5	80
1513032	32	5	60
1513035	35	2	50
1513036	36	o.r.	50
1513040	40	2	36
1513042	42	2	30
1513052	52	2	14
1513054	54	2	14
1513064	64	1	20

# SA CAPILLARY SOLDER FITTINGS

## Product catalogue I (Series 5000 and fittings for hard soldering)

**5130**

AUG 052

Tee, female solder ends



Article No.	Dimension	Bag	Box
1513067	66.7	1	20
1513076	76.1	1	15
1513080	80	1	15
1513089	88.9	1	8
15130108	108.0	1	5
15130686	6 x 8 x 6	10	1600
15130866	8 x 6 x 6	10	2000
15130868	8 x 6 x 8	10	2000
151308108	8 x 10 x 8	10	1200
1513010610	10 x 6 x 10	10	1300
1513010810	10 x 8 x 10	10	1200
15130101210	10 x 12 x 10	10	800
15130101510	10 x 15 x 10	10	500
1513012612	12 x 6 x 12	10	1000
1513012812	12 x 8 x 12	10	1000
15130121010	12 x 10 x 10	10	1000
15130121012	12 x 10 x 12	10	1000
15130121210	12 x 12 x 10	10	800
15130121412	12 x 14 x 12	10	600
15130121512	12 x 15 x 12	10	500
15130121612	12 x 16 x 12	10	450
15130121812	12 x 18 x 12	10	350
15130141014	14 x 10 x 14	10	700
15130141212	14 x 12 x 12	10	550
15130141214	14 x 12 x 14	10	550
15130141412	14 x 14 x 12	10	600
15130141614	14 x 16 x 14	10	500
15130141814	14 x 18 x 14	10	300
1513015615	15 x 6 x 15	10	700
1513015815	15 x 8 x 15	10	650
15130151012	15 x 10 x 12	10	600
15130151015	15 x 10 x 15	10	600
15130151212	15 x 12 x 12	10	600
15130151215	15 x 12 x 15	10	500
15130151512	15 x 15 x 12	10	500
15130151815	15 x 18 x 15	10	300
15130152215	15 x 22 x 15	10	200
1513016616	16 x 6 x 16	10	700
15130161016	16 x 10 x 16	10	550
15130161212	16 x 12 x 12	10	600
15130161214	16 x 12 x 14	10	500
15130161216	16 x 12 x 16	10	500
15130161412	16 x 14 x 12	10	500
15130161414	16 x 14 x 14	10	500

**5130**

AUG 052

Tee, female solder ends



Article No.	Dimension	Bag	Box
15130161416	16 x 14 x 16	10	500
15130161612	16 x 16 x 12	10	450
15130161614	16 x 16 x 14	10	400
15130161814	16 x 18 x 14	10	300
15130161816	16 x 18 x 16	10	300
15130162216	16 x 22 x 16	10	200
1513018618	18 x 6 x 18	10	450
15130181018	18 x 10 x 18	10	400
15130181212	18 x 12 x 12	10	400
15130181215	18 x 12 x 15	10	400
15130181216	18 x 12 x 16	10	400
15130181218	18 x 12 x 18	10	380
15130181414	18 x 14 x 14	10	350
15130181416	18 x 14 x 16	10	350
15130181418	18 x 14 x 18	10	350
15130181515	18 x 15 x 15	10	360
15130181518	18 x 15 x 18	10	300
15130181614	18 x 16 x 14	10	350
15130181616	18 x 16 x 16	10	350
15130181618	18 x 16 x 18	10	300
15130181812	18 x 18 x 12	10	300
15130181814	18 x 18 x 14	10	300
15130181815	18 x 18 x 15	10	300
15130181816	18 x 18 x 16	10	300
15130182215	18 x 22 x 15	10	200
15130182218	18 x 22 x 18	10	200
1513022622	22 x 6 x 22	10	250
15130221022	22 x 10 x 22	10	270
15130221214	22 x 12 x 14	10	300
15130221222	22 x 12 x 22	10	250
15130221414	22 x 14 x 14	10	280
15130221418	22 x 14 x 18	10	250
15130221422	22 x 14 x 22	10	250
15130221512	22 x 15 x 12	10	250
15130221515	22 x 15 x 15	10	250
15130221518	22 x 15 x 18	10	250
15130221522	22 x 15 x 22	10	200
15130221616	22 x 16 x 16	10	250
15130221618	22 x 16 x 18	10	250
15130221622	22 x 16 x 22	10	200
15130221814	22 x 18 x 14	10	250
15130221815	22 x 18 x 15	10	250
15130221816	22 x 18 x 16	10	250
15130221818	22 x 18 x 18	10	250

## Product catalogue I (Series 5000 and fittings for hard soldering)

### 5130

AUG 052

Tee, female solder ends



Article No.	Dimension	Bag	Box
15130221822	22 x 18 x 22	10	200
15130222214	22 x 22 x 14	10	200
15130222215	22 x 22 x 15	10	200
15130222216	22 x 22 x 16	10	200
15130222218	22 x 22 x 18	10	180
15130222822	22 x 28 x 22	5	100
15130281028	28 x 10 x 28	5	140
15130281228	28 x 12 x 28	5	140
15130281428	28 x 14 x 28	5	140
15130281515	28 x 15 x 15	5	o.r.
15130281522	28 x 15 x 22	5	120
15130281528	28 x 15 x 28	5	140
15130281616	28 x 16 x 16	5	180
15130281628	28 x 16 x 28	5	130
15130281818	28 x 18 x 18	5	140
15130281822	28 x 18 x 22	5	120
15130281828	28 x 18 x 28	5	120
15130282222	28 x 22 x 22	5	100
15130282228	28 x 22 x 28	5	100
15130282815	28 x 28 x 15	5	100
15130282818	28 x 28 x 18	5	100
15130282822	28 x 28 x 22	5	80
15130283528	28 x 35 x 28	2	50
15130322232	32 x 22 x 32	5	90
15130322832	32 x 28 x 32	5	80
15130351528	35 x 15 x 28	2	100
15130351535	35 x 15 x 35	2	80
15130351835	35 x 18 x 35	2	80
15130352228	35 x 22 x 28	2	80
15130352235	35 x 22 x 35	2	60
15130352828	35 x 28 x 28	2	60
15130352835	35 x 28 x 35	2	50
15130353515	35 x 35 x 15	2	50
15130353522	35 x 35 x 22	2	60
15130353528	35 x 35 x 28	2	54
15130354235	35 x 42 x 35	o.r.	40
15130421542	42 x 15 x 42	2	60
15130421842	42 x 18 x 42	o.r.	60
15130422242	42 x 22 x 42	2	40
15130422828	42 x 28 x 28	2	50
15130422835	42 x 28 x 35	2	50
15130422842	42 x 28 x 42	2	40
15130423535	42 x 35 x 35	2	40
15130423542	42 x 35 x 42	2	30

### 5130

AUG 052

Tee, female solder ends



Article No.	Dimension	Bag	Box
15130424228	42 x 42 x 28	2	36
15130425442	42 x 54 x 42	2	14
15130542254	54 x 22 x 54	2	26
15130542854	54 x 28 x 54	2	22
15130543554	54 x 35 x 54	2	20
15130544242	54 x 42 x 42	o.r.	20
15130544254	54 x 42 x 54	2	16
15130545442	54 x 54 x 42	o.r.	15
15130643564	64 x 35 x 64	1	30
15130644264	64 x 42 x 64	1	30
15130645464	64 x 54 x 64	1	25
15130763576	76.1 x 35 x 76.1	1	24
15130764276	76.1 x 42 x 76.1	1	20
15130765476	76.1 x 54 x 76.1	1	18
15130766476	76.1 x 64 x 76.1	1	16
15130893589	88.9 x 35 x 88.9	1	18
15130894289	88.9 x 42 x 88.9	1	18
15130895489	88.9 x 54 x 88.9	1	12
15130896489	88.9 x 64 x 88.9	o.r.	12
15130897689	88.9 x 76.1 x 88.9	1	12
1513010854108	108.0 x 54 x 108.0	1	8
1513010864108	108.0 x 64 x 108.0	1	8
1513010876108	108.0 x 76.1 x 108.0	1	7
1513010889108	108.0 x 88.9 x 108.0	1	5

### 5240

AUG 052

Reducing coupling, female/female solder end



Article No.	Dimension	Bag	Box
1524086	8 x 6	10	3000
15240106	10 x 6	10	2000
15240108	10 x 8	10	2000
15240126	12 x 6	10	2000
15240128	12 x 8	10	2000
152401210	12 x 10	10	1500
152401410	14 x 10	10	1400
152401412	14 x 12	10	1000
15240158	15 x 8	10	1200
152401510	15 x 10	10	1200
152401512	15 x 12	10	1100
152401514	15 x 14	10	1000

# SA CAPILLARY SOLDER FITTINGS

## Product catalogue I (Series 5000 and fittings for hard soldering)

### 5240

AUG 052

Reducing coupling, female/female solder end



Article No.	Dimension	Bag	Box
152401610	16 x 10	10	1200
152401612	16 x 12	10	1200
152401614	16 x 14	10	1000
152401615	16 x 15	10	1000
152401810	18 x 10	10	900
152401812	18 x 12	10	900
152401814	18 x 14	10	800
152401815	18 x 15	10	800
152401816	18 x 16	10	700
152402018	20 x 18	10	500
152402210	22 x 10	10	500
152402212	22 x 12	10	500
152402214	22 x 14	10	500
152402215	22 x 15	10	500
152402216	22 x 16	10	500
152402218	22 x 18	10	500
152402220	22 x 20	10	400
152402812	28 x 12	5	300
152402814	28 x 14	5	280
152402815	28 x 15	5	300
152402816	28 x 16	5	280
152402818	28 x 18	5	280
152402822	28 x 22	5	280
152403218	32 x 18	10	220
152403222	32 x 22	5	200
152403228	32 x 28	5	180
152403515	35 x 15	2	160
152403518	35 x 18	2	160
152403522	35 x 22	2	150
152403528	35 x 28	2	140
152403628	36 x 28	2	140
152403632	36 x 32	2	130
152404028	40 x 28	2	80
152404032	40 x 32	2	100
152404036	40 x 36	2	120
152404218	42 x 18	2	100
152404222	42 x 22	2	90
152404228	42 x 28	2	80
152404232	42 x 32	2	80
152404235	42 x 35	2	80
152405232	52 x 32	2	60
152405240	52 x 40	2	46
152405242	52 x 42	2	40
152405422	54 x 22	2	60

### 5240

AUG 052

Reducing coupling, female/female solder end



Article No.	Dimension	Bag	Box
152405428	54 x 28	2	40
152405435	54 x 35	2	50
152405442	54 x 42	2	40
152406435	64 x 35	1	30
152406442	64 x 42	1	25
152406454	64 x 54	1	25
152406754	66.7 x 54	1	25
152407654	76.1 x 54	1	15
152407664	76.1 x 64	1	20
152408054	80 x 54	1	35
152408076	80 x 76.1	1	15
152408976	88.9 x 76.1	1	10
1524010889	108.0 x 88.9	1	10
15240133108	133 x 108.0	1	16

### 5240G

AUG 052

Union adaptor with centred flat sealing, female solder end



Article No.	Dimension	Bag	Box
15240G1512	15 x 1/2	5	200
15240G1534	15 x 3/4	5	120
15240G1812	18 x 1/2	5	170
15240G1834	18 x 3/4	5	120
15240G2234	22 x 3/4	5	120

### 5243

AUG 052

Fitting reducer, with female and male solder end



Article No.	Dimension	Bag	Box
1524386	8a x 6	10	3000
15243106	10a x 6	10	3000
15243108	10a x 8	10	3000
15243126	12a x 6	10	2000
15243128	12a x 8	10	2000
152431210	12a x 10	10	2000
152431410	14a x 10	10	1300
152431412	14a x 12	10	1200
15243158	15a x 8	10	1500



## Product catalogue I (Series 5000 and fittings for hard soldering)

### 5243

AUG 052

Fitting reducer, with female and male solder end



Article No.	Dimension	Bag	Box
152431510	15a x 10	10	1300
152431512	15a x 12	10	1200
152431514	15a x 14	10	1000
152431610	16a x 10	10	1200
152431612	16a x 12	10	1100
152431614	16a x 14	10	1000
152431615	16a x 15	10	1000
152431810	18a x 10	10	1000
152431812	18a x 12	10	800
152431814	18a x 14	10	800
152431815	18a x 15	10	800
152431816	18a x 16	10	800
152432014	20a x 14	10	600
152432210	22a x 10	10	600
152432212	22a x 12	10	600
152432214	22a x 14	10	550
152432215	22a x 15	10	550
152432216	22a x 16	10	550
152432218	22a x 18	10	500
152432220	22a x 20	10	450
152432812	28a x 12	5	300
152432814	28a x 14	5	300
152432815	28a x 15	5	300
152432816	28a x 16	5	300
152432818	28a x 18	5	300
152432820	28a x 20	10	280
152432822	28a x 22	5	280
152433218	32a x 18	5	200
152433222	32a x 22	5	200
152433228	32a x 28	5	160
152433515	35a x 15	2	180
152433518	35a x 18	2	160
152433522	35a x 22	2	140
152433528	35a x 28	2	140
152433628	36a x 28	2	170
152434028	40a x 28	2	120
152434032	40a x 32	2	100
152434036	40a x 36	2	120
152434215	42a x 15	2	90
152434218	42a x 18	2	140
152434222	42a x 22	2	100
152434228	42a x 28	2	100
152434232	42a x 32	2	100
152434235	42a x 35	2	80

### 5243

AUG 052

Fitting reducer, with female and male solder end



Article No.	Dimension	Bag	Box
152435422	54a x 22	2	60
152435428	54a x 28	2	60
152435435	54a x 35	2	50
152435442	54a x 42	2	40
152436435	64a x 35	1	25
152436442	64a x 42	1	30
152436454	64a x 54	1	30
152436742	66.7a x 42	1	30
152436754	66.7a x 54	1	25
152437054	70a x 54	1	30
152437064	70a x 64	1	30
152437635	76.1a x 35	1	30
152437642	76.1a x 42	1	30
152437654	76.1a x 54	1	20
152437664	76.1a x 64	1	20
152437667	76.1a x 66.7	1	20
152438054	80a x 54	1	15
152438064	80a x 64	1	35
152438076	80a x 76.1	1	24
152438954	88.9a x 54	1	22
152438964	88.9a x 64	1	14
152438976	88.9a x 76.1	1	21
1524310854	108.0a x 54	1	10
1524310864	108.0a x 64	1	6
1524310876	108.0a x 76.1	1	6
1524310889	108.0a x 88.9	1	6

### 5270

AUG 052

Coupling, female/female solder end



Article No.	Dimension	Bag	Box
152706	6	10	3500
152708	8	10	3000
1527010	10	10	1700
1527012	12	10	1500
1527014	14	10	1200
1527015	15	10	1000
1527016	16	10	1000
1527018	18	10	700
1527020	20	10	400
1527022	22	10	400

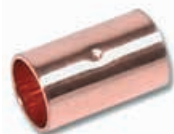
# SA CAPILLARY SOLDER FITTINGS

## Product catalogue I (Series 5000 and fittings for hard soldering)

### 5270

AUG 052

Coupling, female/female solder end

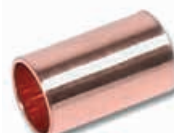


Article No.	Dimension	Bag	Box
1527025	25	10	300
1527028	28	5	200
1527032	32	5	150
1527035	35	2	100
1527036	36	2	100
1527040	40	2	70
1527042	42	2	70
1527052	52	2	40
1527054	54	2	36
1527064	64	1	25
1527070	70	1	30
1527076	76.1	1	15
1527089	88.9	1	12
15270108	108.0	1	6
15270133	133	1	15
15270159	159	1	6

### 5270S

AUG 052

Slip coupling, female/female solder end



Article No.	Dimension	Bag	Box
15270S12	12	10	1500
15270S14	14	10	1200
15270S15	15	10	1000
15270S18	18	10	800
15270S22	22	10	400
15270S28	28	5	250
15270S35	35	2	120
15270S42	42	2	84
15270S54	54	2	50

### 5301

AUG 052

Cap, female solder end



Article No.	Dimension	Bag	Box
153018	8	10	3000
1530110	10	10	3000
1530112	12	10	2500

### 5301

AUG 052

Cap, female solder end



Article No.	Dimension	Bag	Box
1530114	14	10	2000
1530115	15	10	1500
1530116	16	10	1200
1530118	18	10	1000
1530122	22	10	800
1530128	28	5	400
1530135	35	2	230
1530142	42	2	150
1530154	54	2	90
1530164	64	1	60
1530167	66.7	1	60
1530176	76.1	1	40
1530189	88.9	1	35
15301108	108.0	1	12

### 5343G

AUG 052

Union, conical sealing, with soldering sleeve and male thread



Article No.	Dimension	Bag	Box
153431512	15 x 1/2	5	150

### 5359G

AUG 052

Union adaptor with flat seal, female solder end



Article No.	Dimension	Bag	Box
153591212	12 x 1/2	5	200
153591412	14 x 1/2	5	200
153591434	14 x 3/4	5	130
153591512	15 x 1/2	5	200
153591534	15 x 3/4	5	130
153591612	16 x 1/2	5	200
153591634	16 x 3/4	5	100
153591834	18 x 3/4	5	110
153592234	22 x 3/4	5	110
15359221	22 x 1	5	80

## Product catalogue I (Series 5000 and fittings for hard soldering)

### 5872

AUG 052

Expansion compensator, 3 bar, 110 °C, copper expansion coupling with female solder ends, for heating and sanitary systems, 7mm elongation range



Article No.	Dimension	Bag	Box
1587218	18	5	60
1587235	35	5	30

### BM-LF

AUG 255

Plate flanges for brazing PN16



Article No.	Dimension	Bag	Box
1BMLF42	DN 40 / 42 mm	o.r.	4
1BMLF54	DN 50 / 54 mm	o.r.	2
1BMLF76	DN 65 / 76.1 mm	o.r.	4
1BMLF89	DN 80 / 88.9 mm	o.r.	2
1BMLF108	DN 100 / 108.0 mm	o.r.	2

### WBS H

AUG 201

Slip-on collar for hard soldering, DIN 1092-1



Article No.	Dimension	Bag	Box
1WBS2215H	22 x 1.5	o.r.	300
1WBS2815H	28 x 1.5	o.r.	300
1WBS3515H	35 x 1.5	o.r.	200
1WBS4215H	42 x 1.5	o.r.	100
1WBS422H	42 x 2	o.r.	100
1WBS542H	54 x 2	o.r.	80
1WBS642H	64 x 2	o.r.	50
1WBS672H	66.7 x 2	o.r.	50
1WBS762H	76.1 x 2	o.r.	45
1WBS802H	80 x 2	o.r.	40
1WBS892H	88.9 x 2	o.r.	40
1WBS1042H	104 x 2	o.r.	20
1WBS10825H	108.0 x 2.5	o.r.	20
1WBS1333H	133 x 3	o.r.	12



# HIGH-PRESSURE BRAISED FITTINGS



## SANHA RefHP® Series 29000

### AREAS OF APPLICATION

- | Refrigeration systems
- | High pressure



# SANHA RefHP®

## Series 29000

In air conditioning and refrigeration technology, particularly in commercial and industrial refrigeration systems, environmentally friendly solutions are becoming more and more important. Optimum results are being obtained by an increase in efficiency and the use of ecologically safe refrigerants such as CO<sub>2</sub> (R744), which are mainly used in the transcritical part with higher operating pressures. However, the use of CO<sub>2</sub> leads to higher operating pressures potentially up to 130 bar.

SANHA RefHP® fittings are specifically designed for such operating pressures. They are ideally suited for pipes in refrigeration systems with a maximum operating pressure of up to 130 bar (other pressures on request), a minimum temperature of -196 °C and a maximum temperature of 150 °C for fluids in Group 2 according to European Pressure Equipment Directive (PED 97 / 23 / EC). Dimensions and tolerances for capillary joints in accordance with the EN 14276-1, Annex B with pipes according to EN 378-2 and EN 14276-2. Fittings and pipes must be connected with silver solder with min. 5 % Ag according to EN ISO 17672 (SANHA article number 84938). We also recommend the use of a flux FH 10 in accordance with DIN EN 1045 for brazing of copper alloys. The installation of the fittings must be in compliance with all relevant technical rules and regulations, in particular DIN EN 378-2 "Refrigeration systems and heat pumps", must be followed in detail. SANHA RefHP® fittings are marked with the engraving "SA CuFe" and the respective dimension.

### Operating conditions for SANHA RefHP® high pressure fittings from CuFeP2

Outside pipe diameter	d ≤ 2 5/8"
Operating pressure	130 bar
Operating temperature	-196 °C – +150 °C

Please pay particular attention to our technical documentation and installation instructions! Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

## FEATURES

### General advantages of our high pressure solder fittings

- Ideal for use in high-pressure applications such as refrigeration and air-conditioning systems, especially for CO<sub>2</sub> systems
- For pressures up to 130 bar
- RefHP fittings are compatible with all three CuFe pipe types available on the market, offering a high degree of flexibility: KME – CL12 | HALCOR – TALOS XS | Wieland – K65
- SANHA has more than 50 years of experience in the production of solder fittings and maintains very close manufacturing tolerances.
- Cost competitive to K65
- Highest European quality through production at our own plant in Ternat, Belgium.
- Wide range of fittings up to 2 5/8".
- Optimum cleaning of the fittings results in a carbon value of <0.5mg C/dm<sup>2</sup>. This is decisive for the quality of the soldered connection as carbon residues can lead to pitting corrosion at higher soldering temperatures.
- Easy recognition before and after installation: Pipes and fittings are clearly marked so that all components can be identified at a glance. In addition, the material is slightly magnetic and can be easily distinguished from copper using a neodymium magnet – a very practical advantage!
- Corrosion-proof material
- The highly stable CuFe2P ensures easy and cost-effective installation.
- Excellent machining properties, no toxic chemical elements.
- Makes a significant contribution to an energy-efficient and environmentally-friendly cooling system:
  - Compared to conventional systems, as much as 25 % energy can be saved in transcritical CO<sub>2</sub> systems!
  - This is particularly important for supermarkets, where cooling systems operate 24/7.
- Suitable for installation under the European Pressure Equipment Directive.
- Transition fittings available in metric sizes.

### Advantages over TIG welding of stainless steel

- The lower weight compared to stainless steel reduces installation costs, material use and improves handling.
- Quick and easy installation thanks to proven and installer-friendly soldering technology compared to TIG welding.

## Product catalogue | (Series 29000)

### 29001A

AUG 057

SANHA® Ref HP Bend 90°, female/male solder end



Article No.	Dimension	Bag	Box
129001A38	3/8	10	600
129001A12	1/2	10	400
129001A58	5/8	10	250
129001A34	3/4	10	130
129001A78	7/8	10	100
129001A118	1 1/8	5	50
129001A138	1 3/8	2	20
129001A158	1 5/8	2	14
129001A218	2 1/8	2	8
129001A258	2 5/8	2	4

### 29002A

AUG 057

SANHA® Ref HP Bend 90°, female/female solder end



Article No.	Dimension	Bag	Box
129002A38	3/8	10	600
129002A12	1/2	10	400
129002A58	5/8	10	200
129002A34	3/4	10	130
129002A78	7/8	10	80
129002A118	1 1/8	5	40
129002A138	1 3/8	2	20
129002A158	1 5/8	2	14
129002A218	2 1/8	2	8
129002A258	2 5/8	2	4

### 29002AR

AUG 057

SANHA® Ref HP Bend 90°, reduced F/F



Article No.	Dimension	Bag	Box
129002AR7834	7/8 x 3/4	10	100
129002AR11878	1 1/8 x 7/8	5	40
129002AR138118	1 3/8 x 1 1/8	2	20
129002AR158138	1 5/8 x 1 3/8	2	18

### 29040

AUG 057

SANHA® Ref HP Bend 45°, female/male solder end



Article No.	Dimension	Bag	Box
12904038	3/8	10	800
12904012	1/2	10	500
12904058	5/8	10	300
12904034	3/4	10	200
12904078	7/8	10	120
129040118	1 1/8	5	60
129040138	1 3/8	2	30
129040158	1 5/8	2	20
129040218	2 1/8	2	8

### 29041

AUG 057

SANHA Ref HP Bend 45°, female/female solder end



Article No.	Dimension	Bag	Box
12904138	3/8	10	800
12904112	1/2	10	500
12904158	5/8	10	300
12904134	3/4	10	200
12904178	7/8	10	120
129041118	1 1/8	5	60
129041138	1 3/8	2	30
129041158	1 5/8	2	20
129041218	2 1/8	2	8

### 29130

AUG 057

SANHA® Ref HP Tee, female solder ends



Article No.	Dimension	Bag	Box
12913038	3/8	10	500
12913012	1/2	10	350
12913058	5/8	10	200
12913034	3/4	10	100
12913078	7/8	10	70
129130118	1 1/8	5	35
129130138	1 3/8	2	20
129130158	1 5/8	2	12
129130218	2 1/8	2	8
129130258	2 5/8	2	4

# SANHA RefHP

## Product catalogue | (Series 29000)

### 29130

AUG 057

SANHA® Ref HP Tee,  
female solder ends



Article No.	Dimension	Bag	Box
129130381438	3/8 x 1/4 x 3/8	10	600
129130381238	3/8 x 1/2 x 3/8	10	o.r.
129130123838	1/2 x 3/8 x 3/8	10	400
129130123812	1/2 x 3/8 x 1/2	10	350
129130121238	1/2 x 1/2 x 3/8	10	350
129130583858	5/8 x 3/8 x 5/8	10	250
129130581212	5/8 x 1/2 x 1/2	10	200
129130581258	5/8 x 1/2 x 5/8	10	200
129130585838	5/8 x 5/8 x 3/8	10	200
129130585812	5/8 x 5/8 x 1/2	10	200
129130341434	3/4 x 1/4 x 3/4	10	150
129130341234	3/4 x 1/2 x 3/4	10	130
129130345834	3/4 x 5/8 x 3/4	10	140
129130343412	3/4 x 3/4 x 1/2	10	140
129130343458	3/4 x 3/4 x 5/8	10	120
129130781478	7/8 x 1/4 x 7/8	10	100
129130781278	7/8 x 1/2 x 7/8	10	120
129130785878	7/8 x 5/8 x 7/8	10	100
129130783478	7/8 x 3/4 x 7/8	10	80
129130787812	7/8 x 7/8 x 1/2	10	80
129130787858	7/8 x 7/8 x 5/8	10	80
129130787834	7/8 x 7/8 x 3/4	10	80
12913011814118	1 1/8 x 1/4 x 1 1/8	5	50
1291301181278	1 1/8 x 1/2 x 7/8	5	o.r.
12913011834118	1 1/8 x 3/4 x 1 1/8	5	50
1291301187812	1 1/8 x 7/8 x 1/2	5	45
12913011878118	1 1/8 x 7/8 x 1 1/8	5	50
12913011811834	1 1/8 x 1 1/8 x 3/4	5	40
12913011811878	1 1/8 x 1 1/8 x 7/8	5	35
12913013814138	1 3/8 x 1/4 x 1 3/8	2	30
12913013834138	1 3/8 x 3/4 x 1 3/8	2	30
12913013878138	1 3/8 x 7/8 x 1 3/8	2	30
129130138118138	1 3/8 x 1 1/8 x 1 3/8	2	24
12913013813834	1 3/8 x 1 3/8 x 3/4	2	20
12913013813878	1 3/8 x 1 3/8 x 7/8	2	24
129130138138118	1 3/8 x 1 3/8 x 1 1/8	2	20
12913015814158	1 5/8 x 1/4 x 1 5/8	2	20
12913015834158	1 5/8 x 3/4 x 1 5/8	2	20
12913015878158	1 5/8 x 7/8 x 1 5/8	2	o.r.
129130158118158	1 5/8 x 1 1/8 x 1 5/8	2	20
129130158138158	1 5/8 x 1 3/8 x 1 5/8	2	16
12913015815878	1 5/8 x 1 5/8 x 7/8	2	14
129130158158118	1 5/8 x 1 5/8 x 1 1/8	2	14
129130158158138	1 5/8 x 1 5/8 x 1 3/8	2	14

### 29130

AUG 057

SANHA® Ref HP Tee,  
female solder ends



Article No.	Dimension	Bag	Box
12913021814218	2 1/8 x 1/4 x 2 1/8	2	10
129130218138218	2 1/8 x 1 3/8 x 2 1/8	2	8
129130218158218	2 1/8 x 1 5/8 x 2 1/8	2	8

### 29240

AUG 057

SANHA® Ref HP Reducing coupling,  
female/female solder end



Article No.	Dimension	Bag	Box
1292401238	1/2 x 3/8	10	550
1292405812	5/8 x 1/2	10	400
1292403458	3/4 x 5/8	10	300
1292407834	7/8 x 3/4	10	200
12924011812	1 1/8 x 1/2	5	100
12924011878	1 1/8 x 7/8	5	100
12924013812	1 3/8 x 1/2	2	60
12924013858	1 3/8 x 5/8	2	60
12924013834	1 3/8 x 3/4	2	50
12924013878	1 3/8 x 7/8	2	50
129240138118	1 3/8 x 1 1/8	2	50
12924015834	1 5/8 x 3/4	2	50
12924015878	1 5/8 x 7/8	2	40
129240158118	1 5/8 x 1 1/8	2	40
129240158138	1 5/8 x 1 3/8	2	30
129240218158	2 1/8 x 1 5/8	2	20

### 29243

AUG 057

SANHA® Ref HP Fitting reducer,  
with female and male solder end



Article No.	Dimension	Bag	Box
1292431238	1/2a x 3/8	10	700
1292435838	5/8a x 3/8	10	500
1292435812	5/8a x 1/2	10	500
1292433438	3/4a x 3/8	10	350
1292433412	3/4a x 1/2	10	350
1292433458	3/4a x 5/8	10	300
1292437838	7/8a x 3/8	10	250
1292437812	7/8a x 1/2	10	250
1292437858	7/8a x 5/8	10	230



## Product catalogue I (Series 29000)

### 29243

AUG 057

SANHA® Ref HP Fitting reducer, with female and male solder end



Article No.	Dimension	Bag	Box
1292437834	7/8a x 3/4	10	200
12924311812	1 1/8a x 1/2	5	140
12924311858	1 1/8a x 5/8	5	100
12924311834	1 1/8a x 3/4	5	130
12924311878	1 1/8a x 7/8	5	100
129243138118	1 3/8a x 1 1/8	2	50
12924315878	1 5/8a x 7/8	2	40
129243158138	1 5/8a x 1 3/8	2	30
129243218118	2 1/8a x 1 1/8	2	20
129243218138	2 1/8a x 1 3/8	2	20
129243218158	2 1/8a x 1 5/8	2	20
129243258218	2 5/8a x 2 1/8	2	16

### 29243IM

AUG 057

SANHA® Ref HP Fitting reducer, changeover inch/metrical



Article No.	Dimension	Bag	Box
129243IM3810	3/8a x 10	10	o.r.
129243IM1212	1/2a x 12	10	600
129243IM5815	5/8a x 15	10	400
129243IM3418	3/4a x 18	10	250
129243IM7822	7/8a x 22	10	200
129243IM11828	1 1/8a x 28	5	90
129243IM13835	1 3/8a x 35	2	44
129243IM15842	1 5/8a x 42	2	26

### 29245

AUG 057

SANHA® Ref HP Coupling M/F



Article No.	Dimension	Bag	Box
12924534	3/4	10	200
12924578	7/8	10	150
129245118	1 1/8	5	80
129245138	1 3/8	2	40
129245158	1 5/8	2	30
129245218	2 1/8	2	20

### 29270

AUG 057

SANHA® Ref HP Coupling, female/female solder end



Article No.	Dimension	Bag	Box
12927038	3/8	10	750
12927012	1/2	10	500
12927058	5/8	10	300
12927034	3/4	10	200
12927078	7/8	10	150
129270118	1 1/8	5	70
129270138	1 3/8	2	40
129270158	1 5/8	2	24
129270218	2 1/8	2	14
129270258	2 5/8	2	8

### 29301

AUG 057

SANHA® Ref HP Cap, female solder end



Article No.	Dimension	Bag	Box
12930138	3/8	10	1000
12930112	1/2	10	800
12930158	5/8	10	500
12930134	3/4	10	500
12930178	7/8	10	200
129301118	1 1/8	5	100
129301138	1 3/8	2	60
129301158	1 5/8	2	40
129301218	2 1/8	2	20



# CAPILLARY SOLDER FITTINGS



Soldering accessories

# Soldering accessories

Solder and solder paste from SANHA according to DIN EN 29453 and 29454 or DVGW GW 2 and GW 7, brazing rods in accordance with DIN EN 1044 and DIN 8513, optimally suited for SANHA capillary series "SA" 4000 / 5000 (see chapters 22 and 23). Our extensive accessory programme is supplemented by water-soluble solder flux for soft soldering of surfaces, a cleaning pad and a cleaning brush for the inside.

Please pay particular attention to our technical documentation and installation instructions!  
Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

## Product catalogue | Soldering accessories

### 4933

AUG 521

Soft solder no. 3 S-Sn97Cu3-DIN EN 29453, DVGW work sheets GW 2 and GW 7, soft solder wire 3 mm diameter, melting range from 230 to 250 °C, spool of 250 g



Article No.	Dimension	Bag	Box
84933	3 mm	o. r.	60
84933.2	2.0 mm	o. r.	60
84933.25	2.5 mm	o. r.	60

### 4934

AUG 521

Soft solder no. 4 S-Sn97Ag3-DIN EN 29453, DVGW work sheets GW 2 and GW 7, 3 mm diameter, melting range from 221 to 240 °C, spool of 250 g



Article No.	Dimension	Bag	Box
84934	3 mm	o. r.	60
849342	2 mm	o. r.	60

### 4943

AUG 523

Soft solder paste - water-soluble, DIN EN 29 454 - 3.1.1.C, with soldering alloy S-Sn97Cu3, only suitable for solder no. 3, DVGW reg., bottles of 250 g



Article No.	Dimension	Bag	Box
84943	o. r.	o. r.	19

### 4943.100

AUG 523

Soft solder paste - water-soluble, DIN EN 29 454 - 3.1.1.C, with soldering alloy S-Sn97Cu3, only suitable for solder no. 3, DVGW reg., bottles of 100 g



Article No.	Dimension	Bag	Box
84943.100	o. r.	o. r.	o. r.

### 4936

AUG 522

Hard solder in bars, CP 105 (L-Ag 2P) - DIN EN 1044, 2 mm square, DVGW work sheet GW2, melting range 650 to 810 °C, pack of 1 kg



Article No.	Dimension	Bag	Box
84936	o. r.	o. r.	o. r.

### 4936.3

AUG 522

Hard solder in bars, CP 105 (L-Ag 2P) - DIN EN 1044, 3 mm square, DVGW work sheet GW2, melting range 650 to 810 °C, pack of 1 kg



Article No.	Dimension	Bag	Box
84936.3	o. r.	o. r.	o. r.

### 4938

AUG 522

Hard solder wire, (L-Ag 40 Cd) - DIN EN 8513 (silver solder), working temperatur 610°C, not to be used for gas and drinkingwater installations with copper pipes



Article No.	Dimension	Bag	Box
84938	o. r.	o. r.	12

### 4939

AUG 522

Hard solder in bars, CP 203 (L-Cu P6) - DIN EN 1044, 2 mm square, DVGW work sheet GW2, melting range 710 to 880 °C, pack of 1 kg



Article No.	Dimension	Bag	Box
84939	o. r.	o. r.	o. r.

### 4941

AUG 523

Flux for soft soldering, water-soluble, DIN EN 29 454 - 3.1.1.C, DVGW reg., cans of 70 g



Article No.	Dimension	Bag	Box
84941	o. r.	o. r.	50

### 4944

AUG 523

Soldering paste, water soluble, DIN EN ISO 29 454, soldering additive S-Sn97Ag3, 250 g



Article No.	Dimension	Bag	Box
84944	o. r.	o. r.	o. r.

# Soldering accessories

## Product catalogue | Soldering accessories

### 4948

AUG 523

Flux for hard soldering, type F-SH 1,  
in bottles of 100 g



Article No.	Dimension	Bag	Box
84948	o.r.	o.r.	19

### 4953

AUG 522

Hard solder in bars, L-Ag 5P,  
2 mm square, pack of 1 kg



Article No.	Dimension	Bag	Box
84953	o.r.	o. r.	o. r.

### 4953.3

AUG 522

Hard solder in bars, L-Ag 5P, 3 mm  
square, pack of 1 kg



Article No.	Dimension	Bag	Box
84953.3	o.r.	o. r.	o. r.

### 0961

AUG 524

Cleaning fleece, metal-free



Article No.	Dimension	Bag	Box
80961	60 x 130	10	360

### 4974

AUG 555

Cleaning brush



Article No.	Dimension	Bag	Box
8497412	12	o.r.	120
8497415	15	o.r.	120
8497418	18	o.r.	100
8497422	22	o.r.	100
8497428	28	o.r.	80
8497435	35	o.r.	60

# THREADED FITTINGS

## Lead free silicon bronze

The smart alternative to red brass



# PURAFIT®

## Series 3000



### AREAS OF APPLICATION

- | Drinking water
- | Heating
- | Flammable gases
- | Rainwater
- | Solar systems
- | Compressed air
- | Fire extinguishing systems
- | Sprinkler systems [wet]
- | Inert gases
- | Cooling water pipes



# PURAFIT®

## Series 3000

SANHA produces capillary fittings of the series PURAFIT® – just like our press fittings PURAPRESS® – from the completely lead-free premium material silicon bronze CuSi (mat no CW724R).. This copper alloy is optimally adapted for the use in drinking water systems as it fulfills the strict legal requirements of the Drinking Water Directive. By using lead-free PURAFIT® capillary fittings, installers can always be certain that they will not be subject to any legal claims in case the lead tolerances are exceeded.

Also, lead-free fittings satisfy the market's desire for safe and healthy drinking water installations. PURAFIT® capillary fittings from CuSi are tested and certified by all relevant national and international certification bodies and can be used for a wide variety of applications in the sanitary and heating industry.

### Operating conditions for SANHA® - PURAFIT® made from lead-free silicon bronze

Dimensions	Operating pressure depending on the temperature
Water and aqueous solutions	
1/8" ... 3/4"	25 bar at 120 °C
	16 bar at 225 °C
1" ... 3"	16 bar at 120 °C
	6 bar at 225 °C
Flammable gases	
1/8" ... 3"	5 bar
Technical gases (non-toxic, non-flammable)	
1/8" ... 3"	16 bar / depending on application
Pipe thread	R/Rp thread according to EN 10226
Fastening thread	G thread (union nut) according to ISO 228

Please pay particular attention to our technical documentation and installation instructions! Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

### FEATURES

#### Fast and secure installation

- due to a sealing thread feature in the thread.
- Thread according to EN 10226 and ISO7/1 Type R and Rp. Please note that a proprietary teflon tape may be used in practice to accommodate manufacturing tolerances between the fittings.

#### Spanner flats

- for user-friendly and easy installation

#### Lead-free alloy silicon bronze CuSi:

- PURAFIT® fittings offer a unique hygienic solution for drinking water installations due to the exclusive use of lead-free premium silicon bronze.

#### Optimum corrosion resistance

- as dezincification-resistant and free of tension crack corrosion.

#### No risk of fire

- thanks to the type of connection (no open flame).

#### No porosity

- of casting due to the high material density

#### All dimensions

- from 1/8" to 3" including valve and pipe extensions



## Product catalogue | (Series 3000)

### 3090

AUG 105

PURAFIT® Elbow 90°, female/female thread



Article No.	Dimension	Bag	Box
1309018	1/8	10	1000
1309014	1/4	10	300
1309038	3/8	10	150
1309012	1/2	10	100
1309034	3/4	10	70
130901	1	10	40
13090114	1 1/4	10	20
13090112A	1 1/2	5	15
130902	2	2	10
130901238	1/2 x 3/8	10	150
130903412	3/4 x 1/2	10	70
13090134	1 x 3/4	10	50
130901141	1 1/4 x 1	10	20

### 3091

AUG 105

PURAFIT® Elbow 90°, male/male thread



Article No.	Dimension	Bag	Box
1309138	3/8	10	250
1309112	1/2	10	150
1309134	3/4	10	50
130911	1	10	50

### 3092

AUG 105

PURAFIT® Elbow 90°, female/male thread



Article No.	Dimension	Bag	Box
1309214	1/4	10	400
1309238	3/8	10	250
1309212	1/2	10	120
1309234	3/4	10	80
130921	1	10	30
13092114	1 1/4	5	20
13092112	1 1/2	5	15
130922	2	2	10

### 3098

AUG 105

PURAFIT® Elbow union, conical sealing, female/male thread



Article No.	Dimension	Bag	Box
1309838	3/8	5	150
1309812	1/2	5	100
1309834	3/4	5	50
130981	1	5	20
13098114	1 1/4	5	15
13098112	1 1/2	5	10
130982	2	2	6

### 3120

AUG 105

PURAFIT® Elbow 45°, female/female thread



Article No.	Dimension	Bag	Box
1312038	3/8	10	180
1312012	1/2	10	150
1312034	3/4	10	80
131201	1	10	40
13120114	1 1/4	10	20

### 3121

AUG 105

PURAFIT® Elbow 45°, female/male thread



Article No.	Dimension	Bag	Box
1312138	3/8	10	240
1312112	1/2	10	150
1312134	3/4	10	80
131211	1	10	60
13121114	1 1/4	10	30
13121112	1 1/2	10	20

## Product catalogue | (Series 3000)

### 3130

AUG 105

PURAFIT® Tee, female threads

Article No.	Dimension	Bag	Box
1313038	3/8	10	150
1313012	1/2	10	70
1313034	3/4	10	50
131301	1	10	30
13130114	1 1/4	5	15
13130112	1 1/2	o.r.	10
131302	2	2	8
13130123812	1/2 x 3/8 x 1/2	10	100
13130123412	1/2 x 3/4 x 1/2	10	60
13130341212	3/4 x 1/2 x 1/2	10	70
13130341234	3/4 x 1/2 x 3/4	10	50
13130343412	3/4 x 3/4 x 1/2	10	50
131301121	1 x 1/2 x 1	10	30
131301341	1 x 3/4 x 1	10	30
131301112	1 x 1 x 1/2	10	30
1313011412114	1 1/4 x 1/2 x 1 1/4	5	25
131301141114	1 1/4 x 1 x 1 1/4	5	20
131301121112	1 1/2 x 1 x 1 1/2	5	15

### 3240

AUG 105

PURAFIT® Reducing coupling, female/female thread



Article No.	Dimension	Bag	Box
132403814	3/8 x 1/4	10	300
132401214	1/2 x 1/4	10	200
132401238	1/2 x 3/8	10	150
132403438	3/4 x 3/8	10	150
132403412	3/4 x 1/2	10	150
13240138	1 x 3/8	10	100
13240112	1 x 1/2	10	80
13240134	1 x 3/4	10	80
1324011434	1 1/4 x 3/4	10	40
132401141	1 1/4 x 1	10	40
1324011234	1 1/2 x 3/4	5	40
132401121	1 1/2 x 1	o.r.	40
13240112114	1 1/2 x 1 1/4	5	30
132402114	2 x 1 1/4	2	22
132402112	2 x 1 1/2	2	16

### 3241

AUG 105

PURAFIT® Reducer, female/male thread



Article No.	Dimension	Bag	Box
132411418	1/4 x 1/8	10	700
132413818	3/8 x 1/8	10	o.r.
132413814	3/8 x 1/4	10	500
132411218	1/2 x 1/8	10	400
132411214	1/2 x 1/4	10	350
132411238	1/2 x 3/8	10	350
132413414	3/4 x 1/4	10	250
132413438	3/4 x 3/8	10	250
132413412	3/4 x 1/2	10	250
13241138	1 x 3/8	10	120
13241112	1 x 1/2	10	120
13241134	1 x 3/4	10	130
1324111412	1 1/4 x 1/2	5	70
1324111434	1 1/4 x 3/4	5	70
132411141	1 1/4 x 1	5	70
1324111212	1 1/2 x 1/2	5	50
1324111234	1 1/2 x 3/4	5	50
132411121	1 1/2 x 1	10	50
13241112114	1 1/2 x 1 1/4	10	50
13241212	2 x 1/2	2	30
13241234	2 x 3/4	2	40
1324121	2 x 1	2	36
132412114	2 x 1 1/4	2	40
132412112	2 x 1 1/2	2	40
132412122	2 1/2 x 2	1	24
1324132	3 x 2	1	14
132413212	3 x 2 1/2	1	15
1324143	4 x 3	1	8

### 3242

AUG 105

PURAFIT® Lengthening piece, reduced



Article No.	Dimension	Bag	Box
132421814	1/8a x 1/4i	10	700
132421438	1/4a x 3/8i	10	400
132423812	3/8a x 1/2i	10	280
132423834	3/8a x 3/4i	10	200
132421238	1/2a x 3/8i	10	300
132421234	1/2a x 3/4i	10	180
13242121	1/2a x 1i	10	100
132423412	3/4a x 1/2i	10	200

## Product catalogue | (Series 3000)

### 3242

AUG 105

PURAFIT® Lengthening piece, reduced



Article No.	Dimension	Bag	Box
13242341	3/4a x 1i	10	100
1324234114	3/4a x 1 1/4i	5	45
132421114	1a x 1 1/4i	5	50

### 3245

AUG 105

PURAFIT® Double nipple, reduced, male/male thread



Article No.	Dimension	Bag	Box
132451418	1/4 x 1/8	10	600
132453814	3/8 x 1/4	10	350
132451214	1/2 x 1/4	10	400
132451238	1/2 x 3/8	10	350
132453438	3/4 x 3/8	10	200
132453412	3/4 x 1/2	10	180
13245112	1 x 1/2	10	100
13245134	1 x 3/4	10	100
132451141	1 1/4 x 1	5	50
132451121	1 1/2 x 1	5	45
13245112114	1 1/2 x 1 1/4	5	40
132452114	2 x 1 1/4	2	24
132452112	2 x 1 1/2	2	18
132452122	2 1/2 x 2	1	12

### 3270

AUG 105

PURAFIT® Coupling, female/female thread



Article No.	Dimension	Bag	Box
1327018	1/8	10	o.r.
1327014	1/4	10	500
1327038	3/8	10	400
1327012	1/2	10	160
1327034	3/4	10	120
132701	1	10	60
13270114	1 1/4	5	40
13270112	1 1/2	5	25
132702	2	2	20
13270212	2 1/2	1	10
132703	3	1	5

### 3280

AUG 105

PURAFIT® Double nipple, male/male thread



Article No.	Dimension	Bag	Box
1328018	1/8	10	o.r.
1328014	1/4	10	350
1328038	3/8	10	350
1328012	1/2	10	250
1328034	3/4	10	150
132801	1	10	90
13280114	1 1/4	5	50
13280112	1 1/2	5	35
132802	2	2	24
13280212	2 1/2	1	12
132803	3	o.r.	5

### 3290

AUG 105

PURAFIT® Plug with edge, male thread



Article No.	Dimension	Bag	Box
1329014	1/4	10	700
1329038	3/8	10	600
1329012	1/2	10	350
1329034	3/4	10	160
132901	1	10	100
13290114	1 1/4	5	50
13290112	1 1/2	5	50
132902	2	2	30

### 3291

AUG 105

PURAFIT® Plug without edge, male thread



Article No.	Dimension	Bag	Box
1329112	1/2	10	400
132911	1	10	120
13291114	1 1/4	10	80
13291112	1 1/2	5	50

## Product catalogue | (Series 3000)

### 3301

AUG 105

PURAFIT® Cap, female thread



Article No.	Dimension	Bag	Box
1330138	3/8	10	300
1330112	1/2	10	300
1330134	3/4	10	150
1330111	1	10	100
13301114	1 1/4	10	50
13301112	1 1/2	10	40
133012	2	2	34

### 3302

AUG 105

PURAFIT® Cap ISO 7, female thread, with flat sealing



Article No.	Dimension	Bag	Box
1330238	3/8	10	850
1330212	1/2	10	500
1330234	3/4	10	400
133021	1	10	240
13302114	1 1/4	10	150
13302112	1 1/2	10	100
133022	2	2	50

### 3310

AUG 105

Hexagon nut, brass



Article No.	Dimension	Bag	Box
1331014	1/4 SW 22	10	1000
1331038	3/8 SW 27	10	600
1331012	1/2 SW 34	10	350
1331034	3/4 SW 37	10	300
133101	1 SW 42	10	200
13310114	1 1/4 SW 55	10	100
13310112	1 1/2 SW 60	10	100
133102	2 SW 75	10	40

### 3330

AUG 105

PURAFIT® Union, flat seal, female/female thread



Article No.	Dimension	Bag	Box
1333012	1/2	5	80
1333034	3/4	5	50
133301	1	5	40
13330114	1 1/4	5	20
13330112	1 1/2	5	15
133302	2	2	10

### 3331

AUG 105

PURAFIT® Union, flat seal, female/male thread



Article No.	Dimension	Bag	Box
1333138	3/8	5	150
1333112	1/2	5	120
1333134	3/4	5	60
1333111	1	5	40
13331114	1 1/4	5	30
13331112	1 1/2	5	20
133312	2	2	10
13331212	2 1/2	1	5

### 3334

AUG 105

PURAFIT® Union, flat seal, male/male thread



Article No.	Dimension	Bag	Box
1333412	1/2	5	100
1333434	3/4	5	50
133341	1	5	30
13334114	1 1/4	5	20
13334112	1 1/2	5	20

## Product catalogue | (Series 3000)

### 3340

AUG 105

PURAFIT® Union, conical sealing, female/female thread



Article No.	Dimension	Bag	Box
1334038	3/8	5	100
1334012	1/2	5	80
1334034	3/4	5	50
133401	1	5	40
13340114	1 1/4	5	20
13340112	1 1/2	5	15
133402	2	2	10

### 3341

AUG 105

PURAFIT® Union, conical sealing, female/male thread



Article No.	Dimension	Bag	Box
1334114	1/4	5	200
1334138	3/8	5	150
1334112	1/2	5	120
1334134	3/4	5	60
133411	1	5	40
13341114	1 1/4	5	30
13341112	1 1/2	5	20
133412	2	2	10
13341212	2 1/2	1	5
133413	3	1	3

### 3344

AUG 105

PURAFIT® Union, conical sealing, male/male thread



Article No.	Dimension	Bag	Box
1334412	1/2	5	100
1334434	3/4	5	50
133441	1	5	30
13344114	1 1/4	5	20
13344112	1 1/2	5	20

### 3370

AUG 105

PURAFIT® Screwed insert, flat sealing, female thread



Article No.	Dimension	Bag	Box
13370121	1/2 x 1	o.r.	200
1337034114	3/4 x 1 1/4	o.r.	150
133701112	1 x 1 1/2	o.r.	100
133701142	1 1/4 x 2	o.r.	45
13370112214	1 1/2 x 2 1/4	o.r.	36
133702234	2 x 2 3/4	o.r.	18

### 3372

AUG 105

PURAFIT® Insert, flat sealing, female thread



Article No.	Dimension	Bag	Box
1337234114	3/4 x 1 1/4	o.r.	160
133721112	1 x 1 1/2	o.r.	120
133721142	1 1/4 x 2	o.r.	60

### 3472

AUG 105

PURAFIT® Wall plate, female/female thread



Article No.	Dimension	Bag	Box
1347212	1/2	60	
1347234	3/4	60	

### 3478GZ

AUG 105

PURAFIT® Double wall plate, female end and female thread



Article No.	Dimension	Bag	Box
13478GZ12	1/2	1	20

## Product catalogue | (Series 3000)

### 3513

AUG 112

PURAFIT® Extension piece



Article No.	Dimension	Bag	Box
135133810	3/8 x 10	10	500
135133815	3/8 x 15	10	400
135133820	3/8 x 20	10	350
135133825	3/8 x 25	10	300
135133830	3/8 x 30	10	250
135133840	3/8 x 40	10	200
135133850	3/8 x 50	10	180
135133865	3/8 x 65	10	140
135133880	3/8 x 80	10	120
1351338100	3/8 x 100	10	100
135131210	1/2 x 10	10	300
135131212	1/2 x 12.5	10	200
135131215	1/2 x 15	10	200
135131217	1/2 x 17.5	10	200
135131220	1/2 x 20	10	200
135131225	1/2 x 25	10	200
135131230	1/2 x 30	10	180
135131240	1/2 x 40	10	120
135131250	1/2 x 50	10	90
135131265	1/2 x 65	10	90
135131280	1/2 x 80	10	70
1351312100	1/2 x 100	10	60
1351312120	1/2 x 120	5	50
1351312150	1/2 x 150	5	40
135133410	3/4 x 10	10	240
135133412	3/4 x 12.5	10	150
135133415	3/4 x 15	10	150
135133420	3/4 x 20	10	140
135133425	3/4 x 25	10	120
135133430	3/4 x 30	10	100
135133440	3/4 x 40	10	90
135133450	3/4 x 50	10	80
135133465	3/4 x 65	10	60
135133480	3/4 x 80	10	50
1351334100	3/4 x 100	10	40
13513115	1 x 15	10	120
13513120	1 x 20	10	100
13513125	1 x 25	10	70
13513130	1 x 30	10	70
13513140	1 x 40	10	50
13513150	1 x 50	10	50
13513165	1 x 65	5	40
13513180	1 x 80	5	40
135131100	1 x 100	5	30

### 3513

AUG 112

PURAFIT® Extension piece



Article No.	Dimension	Bag	Box
1351311420	1 1/4 x 20	5	60
1351311425	1 1/4 x 25	5	50
1351311430	1 1/4 x 30	5	50
1351311440	1 1/4 x 40	5	40
1351311450	1 1/4 x 50	5	40

### 3530

AUG 105

PURAFIT® Double pipe nipple, male/male thread



Article No.	Dimension	Bag	Box
135303840	3/8 x 40	10	o.r.
135303860	3/8 x 60	10	o.r.
135303880	3/8 x 80	10	150
1353038100	3/8 x 100	10	150
135301230	1/2 x 30	10	350
135301240	1/2 x 40	10	200
135301250	1/2 x 50	10	150
135301260	1/2 x 60	10	150
135301280	1/2 x 80	10	120
135301290	1/2 x 90	10	120
1353012100	1/2 x 100	10	90
1353012110	1/2 x 110	10	90
1353012120	1/2 x 120	10	90
1353012150	1/2 x 150	10	70
1353012200	1/2 x 200	10	50
135303430	3/4 x 30	10	200
135303440	3/4 x 40	10	150
135303460	3/4 x 60	10	100
135303480	3/4 x 80	10	80
1353034100	3/4 x 100	10	50
1353034110	3/4 x 110	10	50
1353034120	3/4 x 120	10	60
1353034150	3/4 x 150	10	50
1353034200	3/4 x 200	10	30
13530130	1 x 30	10	150
13530140	1 x 40	10	100
13530160	1 x 60	10	80
13530170	1 x 70	10	70
13530180	1 x 80	10	60
135301100	1 x 100	10	50
135301120	1 x 120	10	40

Product catalogue | (Series 3000)

**3530**

AUG 105

PURAFIT® Double pipe nipple,  
male/male thread



Article No.	Dimension	Bag	Box
135301150	1 x 150	10	30
135301200	1 x 200	10	20
1353011440	1 1/4 x 40	5	60
1353011460	1 1/4 x 60	5	40
1353011480	1 1/4 x 80	5	40
13530114100	1 1/4 x 100	5	30
13530114120	1 1/4 x 120	5	20
13530114150	1 1/4 x 150	5	20
13530114200	1 1/4 x 200	5	15
1353011240	1 1/2 x 40	o.r.	60
1353011250	1 1/2 x 50	o.r.	50
1353011260	1 1/2 x 60	o.r.	45
1353011280	1 1/2 x 80	5	30
13530112100	1 1/2 x 100	5	20
13530112120	1 1/2 x 120	o.r.	20
13530112150	1 1/2 x 150	5	15
13530112200	1 1/2 x 200	5	10
13530250	2 x 50	2	24
13530260	2 x 60	2	24
13530280	2 x 80	2	16
135302100	2 x 100	2	14
135302120	2 x 120	2	12
135302150	2 x 150	o.r.	12
135302200	2 x 200	2	6

**3531**

AUG 105

PURAFIT® Pipe nipple,  
with male thread



Article No.	Dimension	Bag	Box
1353114	1/4	10	700
1353138	3/8	10	600
1353112	1/2	10	400
1353134	3/4	10	200
1353111	1	10	100
13531114	1 1/4	5	50
13531112	1 1/2	5	50

**3604**

AUG 105

PURAFIT® Coupling for water meter,  
sealable, with flat seal and male thread  
according to EN 10227



Article No.	Dimension	Bag	Box
136041234	1/2 x 3/4	10	140
13604341	3/4 x 1	10	80
136041114	1 x 1 1/4	5	40

**3604D**

AUG 602

Sealing for No. 3604



Article No.	Dimension	Bag	Box
13604D1234	1/2 x 3/4 (24 x 17 x 2mm)	o.r.	o.r.
13604D341	3/4 x 1 (30 x 23 x 2mm)	o.r.	o.r.
13604D1114	1 x 1 1/4 (38 x 29 x 2 mm)	o.r.	o.r.





# THREADED FITTINGS

## Brass



## Threaded Fittings

from brass and chrome-plated versions

### AREAS OF APPLICATION

- | Rainwater
- | Cooling
- | Heating



# Threaded Fittings

## from brass and chrome-plated versions

SANHA threaded fittings in brass (material no. CW617N, chemical composition CuZn40Pb2) are designed for extended use in a wide range of applications such as heating, rainwater systems, water-glycol mixtures (water with anti-freeze additives) and other industrial applications.

SANHA threaded fittings of brass meet the quality and test requirements of the German Gütegemeinschaft Messing Sanitär (GMS) and the extension pieces have been awarded the quality mark RAL-GZ 643. Thanks to our broad range of different sizes from 1/4" to 2 1/2" and the possibility of obtaining chrome fittings, the installer can make the right choice for the desired application at any time.

### Operating conditions for SANHA® threaded fittings from brass

Outer pipe diameter	Operating pressure
Water and aqueous solutions	
1/8" ... 2 1/2"	1/8" ... 2 1/2" 10 bar at 90 °C
Short pipe thread:	Rk thread according to EN 1254-4
Fastening thread	G thread according to ISO 228

Please pay particular attention to our technical documentation and installation instructions! Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

### FEATURES

#### Fast and reliable installation,

- fastening thread according to ISO 228 – Type G for the catalogue numbers 421, 521, 523, 551, 552, 611, 612, 613, 614, 622, 626, 751, 761, 911, 976, 976F, 977, 977F

#### Short pipe thread

- according to EN 1254-4 – type Rk for the catalogue numbers 221, 222, 223, 224, 271, 272, 522, 531, 541, 542

#### High corrosion

- resistance due to optimal material (<110 HB)

#### Spanner flats

- for easy and time-saving installation

#### Vast portfolio

- from 1/4" to 2 1/2" including extension pieces

## Product catalogue | Threaded fittings from brass and chrome-plated versions

### 221

AUG 101

Iron pipe union, conical sealing, male/male thread according to DIN EN 10226



Article No.	Dimension	Bag	Box
222138R	3/8	5	150
222112R	1/2	5	100
222134R	3/4	5	50
22211R	1	5	30
222112R	1 1/2	5	20

### 224

AUG 101

Iron pipe union, flat sealing, male/male thread according to DIN EN 10226



Article No.	Dimension	Bag	Box
222412R	1/2	5	100
222434R	3/4	5	50
22241R	1	5	30
2224114R	1 1/4	5	25
2224112R	1 1/2	5	20
22242R	2	2	10

### 222

AUG 101

Iron pipe union, conical sealing, female/male thread according to DIN EN 10226



Article No.	Dimension	Bag	Box
222238R	3/8	5	150
222212R	1/2	5	120
222234R	3/4	5	60
22221R	1	5	40
2222114R	1 1/4	5	20
2222112R	1 1/2	5	15
22222R	2	2	10

### 271

AUG 101

Iron pipe union, conical sealing, female/female thread according to DIN EN 10226



Article No.	Dimension	Bag	Box
227112R	1/2	5	80
227134R	3/4	5	50
22711R	1	5	40
2271114R	1 1/4	5	20
2271112R	1 1/2	5	15
22712R	2	2	10

### 223

AUG 101

Iron pipe union, flat sealing, female/male thread according to DIN EN 10226



Article No.	Dimension	Bag	Box
222338R	3/8	5	150
222312R	1/2	5	120
222334R	3/4	5	60
22231R	1	5	40
2223114R	1 1/4	5	30
2223112R	1 1/2	5	20
22232R	2	2	10

### 421

AUG 101

Wall plate for iron pipe, with female thread according to DIN EN ISO 228



Article No.	Dimension	Bag	Box
242112R	1/2	10	90
242134R	3/4	10	60

### 513

AUG 103

Brass extension with hex socket cap, roughened thread, tempered



Article No.	Dimension	Bag	Box
25133810R	3/8 x 10	10	500
25133815R	3/8 x 15	10	400
25133820R	3/8 x 20	10	350
25133825R	3/8 x 25	10	300
25133830R	3/8 x 30	10	250
25133840R	3/8 x 40	10	200

# Threaded fittings

## Product catalogue | Threaded fittings from brass and chrome-plated versions

**513**

AUG 103

Brass extension with hex socket cap, roughened thread, tempered



Article No.	Dimension	Bag	Box
25133850R	3/8 x 50	10	180
25133880R	3/8 x 80	10	120
251338100R	3/8 x 100	10	120
25131210R	1/2 x 10	10	300
25131215R	1/2 x 15	10	250
25131220R	1/2 x 20	10	200
25131225R	1/2 x 25	10	200
25131230R	1/2 x 30	10	180
25131240R	1/2 x 40	10	130
25131250R	1/2 x 50	10	90
25131265R	1/2 x 65	10	70
25131280R	1/2 x 80	10	90
251312100R	1/2 x 100	10	60
25133410R	3/4 x 10	10	240
25133415R	3/4 x 15	10	150
25133420R	3/4 x 20	10	140
25133425R	3/4 x 25	10	120
25133430R	3/4 x 30	10	100
25133440R	3/4 x 40	10	90
25133450R	3/4 x 50	10	80
25133460R	3/4 x 60	10	o.r.
25133465R	3/4 x 65	10	60
25133480R	3/4 x 80	10	50
251334100R	3/4 x 100	10	40
2513115R	1 x 15	10	120
2513120R	1 x 20	10	100
2513125R	1 x 25	10	70
2513130R	1 x 30	10	70
2513140R	1 x 40	10	60
2513150R	1 x 50	10	50
2513165R	1 x 65	5	45
2513180R	1 x 80	5	40
25131100R	1 x 100	5	30

**513**

AUG 104

Brass extension with hex socket cap, roughened thread, tempered, chromeplated



Article No.	Dimension	Bag	Box
25133810C	3/8 x 10	10	500
25133815C	3/8 x 15	10	400
25133820C	3/8 x 20	10	350
25133825C	3/8 x 25	10	300
25133830C	3/8 x 30	10	250
25133840C	3/8 x 40	10	200
25133850C	3/8 x 50	10	180
25131210C	1/2 x 10	10	300
25131215C	1/2 x 15	10	250
25131220C	1/2 x 20	10	200
25131225C	1/2 x 25	10	200
25131230C	1/2 x 30	10	150
25131240C	1/2 x 40	10	130
25131250C	1/2 x 50	10	120
25131265C	1/2 x 65	10	70
25131280C	1/2 x 80	10	90
251312100C	1/2 x 100	10	60
25133410C	3/4 x 10	10	240
25133415C	3/4 x 15	10	150
25133420C	3/4 x 20	10	140
25133425C	3/4 x 25	10	120
25133430C	3/4 x 30	10	100
25133440C	3/4 x 40	10	90
25133450C	3/4 x 50	10	80
25133465C	3/4 x 65	10	60
25133480C	3/4 x 80	10	50
251334100C	3/4 x 100	10	40
2513115C	1 x 15	10	120
2513120C	1 x 20	10	100
2513125C	1 x 25	10	70
2513130C	1 x 30	10	70
2513140C	1 x 40	10	70

## Product catalogue | Threaded fittings from brass and chrome-plated versions

### 521

AUG 101

Pipe adaptor, with thread according to DIN EN ISO 228



Article No.	Dimension	Bag	Box
252118R	1/8	10	2000
252114R	1/4	10	1000
252138R	3/8	10	600
252112R	1/2	10	400
252134R	3/4	10	200
25211R	1	10	100
2521144R	1 1/4	o.r.	90
2521112R	1 1/2	o.r.	65
25212R	2	o.r.	36

### 522

AUG 101

Hexagon Adaptor, male/male thread according to DIN 1254-4



Article No.	Dimension	Bag	Box
252218R	1/8	10	1500
252214R	1/4	10	700
252238R	3/8	10	600
252212R	1/2	10	350
252234R	3/4	10	250
25221R	1	10	150
2522114R	1 1/4	o.r.	90
2522112R	1 1/2	o.r.	60
25222R	2	o.r.	30

### 522

AUG 102

Hexagon Adaptor, male/male thread according to DIN 1254-4, chrome-plated



Article No.	Dimension	Bag	Box
252218C	1/8	10	1500
252214C	1/4	10	700
252238C	3/8	10	600
252212C	1/2	10	350
252234C	3/4	10	250
25221C	1	10	150
25222C	2	o.r.	30

### 523

AUG 101

Pipe adaptor, male/male thread according to DIN EN ISO 228



Article No.	Dimension	Bag	Box
25233840R	3/8 x 40	10	350
25233860R	3/8 x 60	10	300
25233880R	3/8 x 80	10	200
252338100R	3/8 x 100	10	150
25231230R	1/2 x 30	10	350
25231240R	1/2 x 40	10	250
25231250R	1/2 x 50	10	250
25231260R	1/2 x 60	10	160
25231280R	1/2 x 80	10	120
252312100R	1/2 x 100	10	90
252312120R	1/2 x 120	o.r.	90
252312150R	1/2 x 150	o.r.	80
252312200R	1/2 x 200	o.r.	50
25233430R	3/4 x 30	10	220
25233440R	3/4 x 40	10	150
25233450R	3/4 x 50	10	150
25233460R	3/4 x 60	10	120
25233480R	3/4 x 80	10	70
252334100R	3/4 x 100	10	60
252334120R	3/4 x 120	o.r.	60
252334150R	3/4 x 150	o.r.	60
252334200R	3/4 x 200	o.r.	40
2523130R	1 x 30	10	120
2523140R	1 x 40	10	100
2523150R	1 x 50	10	90
2523160R	1 x 60	10	70
2523180R	1 x 80	10	60
25231100R	1 x 100	10	40
25231120R	1 x 120	o.r.	50
25231150R	1 x 150	o.r.	36
25231200R	1 x 200	o.r.	20
252311440R	1 1/4 x 40	o.r.	80
252311460R	1 1/4 x 60	o.r.	50
252311480R	1 1/4 x 80	o.r.	40
2523114100R	1 1/4 x 100	o.r.	38
2523114120R	1 1/4 x 120	o.r.	32
2523114150R	1 1/4 x 150	o.r.	28
2523114200R	1 1/4 x 200	o.r.	16
252311260R	1 1/2 x 60	o.r.	48
252311280R	1 1/2 x 80	o.r.	36
2523112100R	1 1/2 x 100	o.r.	30
2523112120R	1 1/2 x 120	o.r.	24
2523112150R	1 1/2 x 150	o.r.	20
2523112200R	1 1/2 x 200	o.r.	10

# Threaded fittings

## Product catalogue | Threaded fittings from brass and chrome-plated versions

### 523

AUG 101

Pipe adaptor, male/male thread according to DIN EN ISO 228



Article No.	Dimension	Bag	Box
2523280R	2 x 80	o.r.	20
25232100R	2 x 100	o.r.	15
25232120R	2 x 120	o.r.	12
25232150R	2 x 150	o.r.	12

### 523

AUG 102

Pipe adaptor, male/male thread according to DIN EN ISO 228, chrome-plated



Article No.	Dimension	Bag	Box
25233840C	3/8 x 40	10	500
25233860C	3/8 x 60	10	300
25233880C	3/8 x 80	10	200
25231230C	1/2 x 30	10	350
25231240C	1/2 x 40	10	250
25231250C	1/2 x 50	10	250
25231260C	1/2 x 60	10	170
25231280C	1/2 x 80	10	120
252312100C	1/2 x 100	10	90
252312120C	1/2 x 120	10	90
252312150C	1/2 x 150	10	80
252312200C	1/2 x 200	10	60
25233440C	3/4 x 40	10	150
25233460C	3/4 x 60	10	120
25233480C	3/4 x 80	10	90
252334100C	3/4 x 100	10	60
252334120C	3/4 x 120	o.r.	60

### 531

AUG 101

Reducing adaptor, male/male thread according to DIN EN 1254-4



Article No.	Dimension	Bag	Box
25311418R	1/4 x 1/8	10	1000
25313814R	3/8 x 1/4	10	500
25311214R	1/2 x 1/4	10	350
25311238R	1/2 x 3/8	10	400
25313438R	3/4 x 3/8	10	300
25313412R	3/4 x 1/2	10	250
2531112R	1 x 1/2	10	150

### 531

AUG 101

Reducing adaptor, male/male thread according to DIN EN 1254-4



Article No.	Dimension	Bag	Box
2531134R	1 x 3/4	10	150
25311141R	1 1/4 x 1	o.r.	70
2531112114R	1 1/2 x 1 1/4	o.r.	50
25312112R	2 x 1 1/2	o.r.	36
25312122R	2 1/2 x 2	o.r.	18

### 531

AUG 102

Reducing adaptor, male/male thread according to DIN EN 1254-4, chromeplated



Article No.	Dimension	Bag	Box
2531112114C	1 1/2 x 1 1/4	o.r.	50
25311418C	1/4 x 1/8	10	1000
25313814C	3/8 x 1/4	10	600
25311214C	1/2 x 1/4	10	350
25311238C	1/2 x 3/8	10	400
25313412C	3/4 x 1/2	10	250
2531112C	1 x 1/2	10	150
2531134C	1 x 3/4	10	150

### 541

AUG 101

Hexagon reducer, female/male thread according to DIN 1254-4



Article No.	Dimension	Bag	Box
25411418R	1/4 x 1/8	10	1000
25413818R	3/8 x 1/8	10	800
25413814R	3/8 x 1/4	10	700
25411218R	1/2 x 1/8	10	500
25411214R	1/2 x 1/4	10	500
25411238R	1/2 x 3/8	10	500
25413414R	3/4 x 1/4	10	300
25413438R	3/4 x 3/8	10	300
25413412R	3/4 x 1/2	10	300
2541138R	1 x 3/8	10	200
2541112R	1 x 1/2	10	180
2541134R	1 x 3/4	10	170
254111412R	1 1/4 x 1/2	o.r.	140
254111434R	1 1/4 x 3/4	o.r.	140
25411141R	1 1/4 x 1	o.r.	140

## Product catalogue | Threaded fittings from brass and chrome-plated versions

### 541

AUG 101

Hexagon reducer, female/male thread according to DIN 1254-4



Article No.	Dimension	Bag	Box
25411212R	1 1/2 x 1/2	o.r.	100
25411234R	1 1/2 x 3/4	o.r.	100
2541121R	1 1/2 x 1	o.r.	100
254112114R	1 1/2 x 1 1/4	o.r.	100
2541212R	2 x 1/2	o.r.	55
2541234R	2 x 3/4	o.r.	55
254121R	2 x 1	o.r.	55
25412114R	2 x 1 1/4	o.r.	55
25412112R	2 x 1 1/2	o.r.	55

### 541

AUG 102

Hexagon reducer, female/male thread according to DIN 1254-4, chrome-plated



Article No.	Dimension	Bag	Box
25413818C	3/8 x 1/8	10	800
25413814C	3/8 x 1/4	10	700
25411218C	1/2 x 1/8	10	500
25411214C	1/2 x 1/4	10	600
25411238C	1/2 x 3/8	10	500
25413412C	3/4 x 1/2	10	300
2541112C	1 x 1/2	10	180
2541134C	1 x 3/4	10	170
254111412C	1 1/4 x 1/2	o.r.	165
254111434C	1 1/4 x 3/4	o.r.	165
25411141C	1 1/4 x 1	o.r.	165
254111212C	1 1/2 x 1/2	o.r.	100
25411121C	1 1/2 x 1	o.r.	100

### 542

AUG 101

Reducer extension, female/male thread according to DIN 1254-4



Article No.	Dimension	Bag	Box
25421814R	1/8a x 1/4i	10	700
25421438R	1/4a x 3/8i	10	400
25423812R	3/8a x 1/2i	10	350
25421238R	1/2a x 3/8i	10	300
25421234R	1/2a x 3/4i	10	200
2542121R	1/2a x 1i	10	120

### 542

AUG 101

Reducer extension, female/male thread according to DIN 1254-4



Article No.	Dimension	Bag	Box
25423412R	3/4a x 1/2i	10	200
2542341R	3/4a x 1i	10	120
25421114R	1a x 1 1/4i	o.r.	45

### 542

AUG 102

Reducer extension, female/male thread according to DIN 1254-4, chrome-plated



Article No.	Dimension	Bag	Box
25421438C	1/4a x 3/8i	10	400
25423812C	3/8a x 1/2i	10	350
25421234C	1/2a x 3/4i	10	200
2542121C	1/2a x 1i	10	120
25423412C	3/4a x 1/2i	10	200
2542341C	3/4a x 1i	10	120

### 551

AUG 101

Coupling, female/female thread according to DIN EN ISO 228



Article No.	Dimension	Bag	Box
255118R	1/8	10	700
255114R	1/4	10	600
255138R	3/8	10	400
255112R	1/2	10	200
255134R	3/4	10	150
25511R	1	10	80
2551114R	1 1/4	o.r.	50
2551112R	1 1/2	o.r.	45
25512R	2	o.r.	25

### 551

AUG 102

Coupling, female/female thread according to DIN EN ISO 228, chrome-plated



Article No.	Dimension	Bag	Box
255114C	1/4	10	600
255138C	3/8	10	400

# Threaded fittings

**Product catalogue** | Threaded fittings from brass and chrome-plated versions

## 551

AUG 102

Coupling, female/female thread according to DIN EN ISO 228, chrome-plated



Article No.	Dimension	Bag	Box
255112C	1/2	10	250
255134C	3/4	10	150
25511C	1	10	80

## 552

AUG 101

Coupling, reduced, female/female thread according to DIN EN ISO 228



Article No.	Dimension	Bag	Box
25523814R	3/8 x 1/4	10	350
25521238R	1/2 x 3/8	10	250
25523412R	3/4 x 1/2	10	150
2552112R	1 x 1/2	10	120
2552134R	1 x 3/4	10	100
255211412R	1 1/4 x 1/2	o.r.	45
255211434R	1 1/4 x 3/4	o.r.	60
25521141R	1 1/4 x 1	o.r.	60
25521121R	1 1/2 x 1	o.r.	40
2552112114R	1 1/2 x 1 1/4	o.r.	40
25522112R	2 x 1 1/2	o.r.	18

## 552

AUG 102

Coupling, reduced, female/female thread according to DIN EN ISO 228, chrome-plated



Article No.	Dimension	Bag	Box
25523814C	3/8 x 1/4	10	350
25523412C	3/4 x 1/2	10	150
2552112C	1 x 1/2	10	120
2552134C	1 x 3/4	10	100
255211434C	1 1/4 x 3/4	o.r.	60
25521141C	1 1/4 x 1	o.r.	60
2552112114C	1 1/2 x 1 1/4	o.r.	40
25522112C	2 x 1 1/2	o.r.	18

## 604

AUG 101

Water meter union for iron pipe, with sealing device, male thread according to DIN EN 10226



Article No.	Dimension	Bag	Box
26041234R	1/2 x 3/4	10	140
2604341R	3/4 x 1	10	80
26041114R	1 x 1 1/4	10	40

## 604

AUG 102

Water meter union for iron pipe, with sealing device, male thread according to DIN EN 10226, chrome-plated



Article No.	Dimension	Bag	Box
26041234C	1/2 x 3/4	10	140
2604341C	3/4 x 1	10	80

## 611

AUG 101

Elbow 90°, male/male thread according to DIN EN ISO 228



Article No.	Dimension	Bag	Box
261112R	1/2	10	120
261134R	3/4	10	80
26111R	1	10	40

## 611

AUG 102

Elbow 90°, male/male thread according to DIN EN ISO 228, chrome-plated



Article No.	Dimension	Bag	Box
261112C	1/2	10	120
261134C	3/4	10	80
26111C	1	10	40



## Product catalogue | Threaded fittings from brass and chrome-plated versions

### 612

AUG 101

Elbow 90°, female/female thread according to DIN EN ISO 228



Article No.	Dimension	Bag	Box
261238R	3/8	10	200
261212R	1/2	10	140
261234R	3/4	10	80
26121R	1	10	40
2612114R	1 1/4	o.r.	25
2612112R	1 1/2	o.r.	15
26122R	2	o.r.	14

### 612

AUG 102

Elbow 90°, female/female thread according to DIN EN ISO 228, chromeplated



Article No.	Dimension	Bag	Box
261238C	3/8	10	200
261212C	1/2	10	140
261234C	3/4	10	80
26121C	1	10	40

### 613

AUG 101

Elbow 90°, female/male thread according to DIN EN ISO 228



Article No.	Dimension	Bag	Box
261314R	1/4	10	300
261338R	3/8	10	150
261312R	1/2	10	140
261334R	3/4	10	60
26131R	1	10	40
2613114R	1 1/4	5	25
2613112R	1 1/2	5	15
26132R	2	2	8

### 613

AUG 102

Elbow 90°, female/male thread according to DIN EN ISO 228, chrome-plated



Article No.	Dimension	Bag	Box
261314C	1/4	10	300
261338C	3/8	10	150
261312C	1/2	10	140
261334C	3/4	10	60
26131C	1	10	40
2613114C	1 1/4	o.r.	25

### 614

AUG 101

Elbow 45°, female/female thread according to DIN EN ISO 228



Article No.	Dimension	Bag	Box
261438R	3/8	10	300
261412R	1/2	10	180
261434R	3/4	10	100
26141R	1	10	50

### 614

AUG 102

Elbow 45°, female/female thread according to DIN EN ISO 228, chromeplated



Article No.	Dimension	Bag	Box
261412C	1/2	10	180
261434C	3/4	10	100

### 615

AUG 101

Elbow 45°, with female thread according to DIN EN ISO 228 and male thread according to DIN EN 10226



Article No.	Dimension	Bag	Box
261538R	3/8	10	250
261512R	1/2	10	170
261534R	3/4	10	100
26151R	1	10	50

# Threaded fittings

## Product catalogue | Threaded fittings from brass and chrome-plated versions

### 615

AUG 102

Elbow 45°, with female thread according to DIN EN ISO 228 and male thread according to DIN EN 10226, chrome-plated



Article No.	Dimension	Bag	Box
261538C	3/8	10	250
261512C	1/2	10	170
261534C	3/4	10	100

### 622

AUG 101

Tee, female threads according to DIN EN ISO 228



Article No.	Dimension	Bag	Box
262218R	1/8	10	400
262214R	1/4	10	300
262238R	3/8	10	150
262212R	1/2	10	100
262234R	3/4	10	60
26221R	1	10	30
2622114R	1 1/4	5	15
2622112R	1 1/2	5	10
26222R	2	2	8

### 622

AUG 102

Tee, female threads according to DIN EN ISO 228, chrome-plated

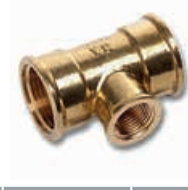


Article No.	Dimension	Bag	Box
262238C	3/8	10	150
262212C	1/2	10	100
262234C	3/4	10	60
26221C	1	10	30
2622112C	1 1/2	o.r.	12

### 626

AUG 101

Tee, reduced, female threads according to DIN EN ISO 228



Article No.	Dimension	Bag	Box
26261238R	1/2 x 3/8	10	100
26263412R	3/4 x 1/2	10	60
2626112R	1 x 1/2	10	40
2626134R	1 x 3/4	10	30
262611412R	1 1/4 x 1/2	5	20

### 626

AUG 102

Tee, reduced, female threads according to DIN EN ISO 228, chrome-plated



Article No.	Dimension	Bag	Box
26263412C	3/4 x 1/2	10	60

### 641

AUG 102

Double Adaptor (fork), with 1 male thread and 2 female threads according to DIN EN ISO 228, chrome-plated



Article No.	Dimension	Bag	Box
264112C	1/2	o.r.	50

### 751

AUG 101

Plug, with male thread according to DIN EN ISO 228



Article No.	Dimension	Bag	Box
275118R	1/8	10	2000
275114R	1/4	10	800
275138R	3/8	10	700
275112R	1/2	10	500
275134R	3/4	10	300
27511R	1	10	220
2751114R	1 1/4	o.r.	140
2751112R	1 1/2	o.r.	70
27512R	2	o.r.	55

## Product catalogue | Threaded fittings from brass and chrome-plated versions

### 751

AUG 102

Plug, with male thread according to DIN EN ISO 228, chrome-plated



Article No.	Dimension	Bag	Box
275114C	1/4	10	800
275138C	3/8	10	800
275112C	1/2	10	500
275134C	3/4	10	300
27511C	1	10	220
2751112C	1 1/2	o.r.	70

### 761

AUG 101

Cap, female thread according to DIN EN ISO 228



Article No.	Dimension	Bag	Box
276114R	1/4	10	1000
276138R	3/8	10	700
276112R	1/2	10	400
276134R	3/4	10	300
27611R	1	10	180
2761114R	1 1/4	o.r.	150
2761112R	1 1/2	o.r.	120
27612R	2	o.r.	80

### 761

AUG 102

Cap, female thread according to DIN EN ISO 228, chrome-plated



Article No.	Dimension	Bag	Box
276138C	3/8	10	700
276112C	1/2	10	500
276134C	3/4	10	300
27611C	1	10	240

### 911

AUG 101

Hexagon nut, brass, according to DIN EN ISO 228



Article No.	Dimension	Bag	Box
291114R	1/4 SW 22	10	1000
291138R	3/8 SW 22	10	1000

### 911

AUG 101

Hexagon nut, brass, according to DIN EN ISO 228



Article No.	Dimension	Bag	Box
291112R	1/2 SW 27	10	800
291134R	3/4 SW 34	10	600
29111R	1 SW 37	10	400
2911114R	1 1/4 SW 50	10	250
2911112R	1 1/2 SW 60	10	120
29112R	2 SW 70	2	100

### 911

AUG 102

Hexagon nut, brass, according to DIN EN ISO 228, chrome-plated



Article No.	Dimension	Bag	Box
291114C	1/4 SW 22	10	1000
291138C	3/8 SW 22	10	1000
291112C	1/2 SW 27	10	800
291134C	3/4 SW 34	10	600
29111C	1 SW 37	10	400
2911114C	1 1/4 SW 50	10	300

### 977F

AUG 101

Mounting unit, female/female thread according to DIN EN ISO 228, flat version



Article No.	Dimension	Bag	Box
2977F1212100R	1/2 x 1/2 x 100	o.r.	30

### 3604D

AUG 602

Sealing for No. 604



Article No.	Dimension	Bag	Box
604D1234	1/2 x 3/4 (24 x 17 x 2mm)	o.r.	2400
604D341	3/4 x 1 (30 x 23 x 2mm)	o.r.	1200
604D1114	1 x 1 1/4 (38 x 29 x 2 mm)	o.r.	400



# THREADED FITTINGS

## Malleable cast iron



## Threaded Fittings

### AREAS OF APPLICATION

- | Drinking water [limited]
- | Heating Gas installations
- | Rainwater
- | Solar systems
- | Compressed air
- | Fire extinguishing systems
- | Sprinkler systems [wet]
- | Inert gases
- | Cooling water pipes



# Threaded Fittings

## from malleable cast iron

SANHA threaded fittings are manufactured from malleable cast iron EN-GJMB-350-10 according to EN 1562, the design symbol "A" and fitted with connection threads according to EN 10226 and ISO 7/1. Thanks to their high resistance to vibration and impact, these high-grade and extremely stable moulded parts in malleable cast iron can be used in the toughest conditions.

### Operating conditions for SANHA® threaded fittings in malleable cast iron

Outer pipes diameter	Operating pressure
Water and aqueous solutions	
1/8"..."4"	25 bar from 20 °C up to 120 °C
	Interpolated values from 120 °C up to 300 °C
	20 bar to 300 °C
Flammable gases	
1/8"..."4"	16 bar
Pipe thread	R/Rp type thread according to EN 10226
Fastening thread	G thread according to ISO 228

Please pay particular attention to our technical documentation and installation instructions! Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

### FEATURES

#### Practical installation

- SANHA threaded fittings allow for a particularly fast and easy installation, as they are produced with threads according to EN 10226 and ISO 7/1
- Type R and Rp and offer user-friendly wrench flats.

#### Excellent material & properties

- Galvanised and black malleable cast iron available
- Fittings manufactured according to design symbol A
- Surface protection against corrosion by galvanisation
- Great protection against vandalism thanks to the strength of the material
- Comprehensive portfolio from 1/8" to 4"

## Product catalogue | Threaded fittings from malleable cast iron

### 1#

AUG 108

Bend 90°, long, female/male thread, black



Article No.	Dimension	Bag	Box
9138S#	3/8	10	250
9112S#	1/2	10	160
9134S#	3/4	10	90
911S#	1	10	40
91114S#	1 1/4	o.r.	20
91112S#	1 1/2	o.r.	18
912S#	2	o.r.	8

### 1A#

AUG 109

Bend 90°, short, female/male thread, galvanised



Article No.	Dimension	Bag	Box
91A12V#	1/2	10	160
91A34V#	3/4	10	70
91A1V#	1	10	60
91A114V#	1 1/4	o.r.	30
91A112V#	1 1/2	o.r.	25
91A2V#	2	o.r.	10

### 1#

AUG 109

Bend 90°, long, female/male thread, galvanised



Article No.	Dimension	Bag	Box
9114V#	1/4	10	380
9138V#	3/8	10	250
9112V#	1/2	10	160
9134V#	3/4	10	90
911V#	1	10	40
91114V#	1 1/4	o.r.	20
91112V#	1 1/2	o.r.	18
912V#	2	o.r.	8
91212VA#	2 1/2	o.r.	4
913V#	3	o.r.	2
914V#	4	o.r.	2

### 2#

AUG 108

Bend 90°, long, female/female thread, black



Article No.	Dimension	Bag	Box
9238S#	3/8	10	200
9212S#	1/2	10	120
9234S#	3/4	10	60
921S#	1	10	40
92114S#	1 1/4	o.r.	20
92112S#	1 1/2	o.r.	15
922S#	2	o.r.	7
923S#	3	o.r.	2

### 2#

AUG 109

Bend 90°, long, female/female thread, galvanised



Article No.	Dimension	Bag	Box
9212V#	1/2	10	120
9234V#	3/4	10	60
921V#	1	10	40
92114V#	1 1/4	o.r.	20
92112V#	1 1/2	o.r.	15
922V#	2	o.r.	7
92212VA#	2 1/2	o.r.	4
923V#	3	o.r.	2
924V#	4	o.r.	2

### 1A#

AUG 108

Bend 90°, short, female/male thread, black



Article No.	Dimension	Bag	Box
91A12S#	1/2	10	160
91A34S#	3/4	10	70
91A1S#	1	10	60
91A114S#	1 1/4	o.r.	30
91A112S#	1 1/2	o.r.	25
91A2S#	2	o.r.	10

# Threaded fittings

## Product catalogue | Threaded fittings from malleable cast iron

### 2A#

AUG 108

Bend 90°, short, female/female thread, black



Article No.	Dimension	Bag	Box
92A12S#	1/2	10	140
92A34S#	3/4	10	80
92A1S#	1	10	40

### 40#

AUG 108

Bend 45°, female/male thread, black



Article No.	Dimension	Bag	Box
940114S#	1 1/4	o.r.	35
940112S#	1 1/2	o.r.	25
9402S#	2	o.r.	14

### 2A#

AUG 109

Bend 90°, short, female/female thread, galvanised



Article No.	Dimension	Bag	Box
92A12V#	1/2	10	140
92A34V#	3/4	10	80
92A1V#	1	10	40
92A114V#	1 1/4	o.r.	25
92A112V#	1 1/2	o.r.	20
92A2V#	2	o.r.	10

### 40#

AUG 109

Bend 45°, female/male thread, galvanised



Article No.	Dimension	Bag	Box
94012V#	1/2	10	220
94034V#	3/4	10	100
9401V#	1	10	70
940114V#	1 1/4	o.r.	35
940112V#	1 1/2	o.r.	25
9402V#	2	o.r.	14
940212V#	2 1/2	o.r.	6
9403V#	3	o.r.	4
9404V#	4	o.r.	1

### 3#

AUG 109

Bend 90°, male/male thread, galvanised



Article No.	Dimension	Bag	Box
9312V#	1/2	10	200
9334V#	3/4	10	100
931V#	1	10	50
93114V#	1 1/4	o.r.	20
93112V#	1 1/2	o.r.	25
932V#	2	o.r.	14

### 41#

AUG 109

Bend 45°, female/female thread, galvanised



Article No.	Dimension	Bag	Box
94112V#	1/2	10	140
94134V#	3/4	10	80
9411V#	1	10	60
941114V#	1 1/4	o.r.	30
941112V#	1 1/2	o.r.	22
9412V#	2	o.r.	12
941212V#	2 1/2	o.r.	5
9413V#	3	o.r.	3
9414V#	4	o.r.	1

### 40#

AUG 108

Bend 45°, female/male thread, black



Article No.	Dimension	Bag	Box
94038S#	3/8	10	330
94012S#	1/2	10	220
94034S#	3/4	10	100
9401S#	1	10	70



## Product catalogue | Threaded fittings from malleable cast iron

### 85#

AUG 108

Crossover, female/female thread, black



Article No.	Dimension	Bag	Box
98512S#	1/2	10	80
98534S#	3/4	10	50

### 85#

AUG 109

Crossover, female/female thread, galvanised



Article No.	Dimension	Bag	Box
98512V#	1/2	10	80
98534V#	3/4	10	50
9851V#	1	10	30

### 90#

AUG 108

Elbow 90°, female/female thread, black



Article No.	Dimension	Bag	Box
99014S#	1/4	10	450
99038S#	3/8	10	300
99012S#	1/2	10	200
99034S#	3/4	10	120
9901S#	1	10	70
990114S#	1 1/4	o.r.	45
990112SA#	1 1/2	o.r.	30
9902S#	2	o.r.	18
990212S#	2 1/2	o.r.	10
9903S#	3	o.r.	5
9903412S#	3/4 x 1/2	10	150
990112SB#	1 x 1/2	10	100
990134S#	1 x 3/4	10	90
9901141S#	1 1/4 x 1	o.r.	55

### 90#

AUG 109

Elbow 90°, female/female thread, galvanised



Article No.	Dimension	Bag	Box
99018V#	1/8	10	600
99014V#	1/4	10	450
99038V#	3/8	10	300
99012V#	1/2	10	200
99034V#	3/4	10	120
9901V#	1	10	70
990114V#	1 1/4	o.r.	45
990112VA#	1 1/2	o.r.	30
9902V#	2	o.r.	18
990212V#	2 1/2	o.r.	10
9903V#	3	o.r.	5
9904V#	4	o.r.	2
9901238V#	1/2 x 3/8	10	250
9903412V#	3/4 x 1/2	10	150
990112VB#	1 x 1/2	10	100
990134V#	1 x 3/4	10	90
99011434V#	1 1/4 x 3/4	o.r.	55
9901141V#	1 1/4 x 1	o.r.	55
99011234V#	1 1/2 x 3/4	o.r.	45
9901121V#	1 1/2 x 1	o.r.	45
990112114V#	1 1/2 x 1 1/4	o.r.	40
99021V#	2 x 1	o.r.	25
9902114V#	2 x 1 1/4	o.r.	20
9902112V#	2 x 1 1/2	o.r.	20
9902122V#	2 1/2 x 2	o.r.	12

### 92#

AUG 108

Elbow 90°, female/male thread, black



Article No.	Dimension	Bag	Box
99214S#	1/4	10	600
99238S#	3/8	10	350
99212S#	1/2	10	220
99234S#	3/4	10	100
9921S#	1	10	70
992114S#	1 1/4	o.r.	40
992112S#	1 1/2	o.r.	30
9922S#	2	o.r.	15
992212S#	2 1/2	o.r.	9
9923S#	3	o.r.	5

# Threaded fittings

## Product catalogue | Threaded fittings from malleable cast iron

### 92#

AUG 109

Elbow 90°, female/male thread, galvanised



Article No.	Dimension	Bag	Box
99214V#	1/4	10	600
99238V#	3/8	10	350
99212V#	1/2	10	220
99234V#	3/4	10	100
9921V#	1	10	70
992114V#	1 1/4	o.r.	40
992112V#	1 1/2	o.r.	30
9922V#	2	o.r.	15
992212V#	2 1/2	o.r.	9
9923V#	3	o.r.	5
9924V#	4	o.r.	2

### 95#

AUG 108

Elbow union 90°, female/female thread, flat sealing, black



Article No.	Dimension	Bag	Box
99534S#	3/4	10	50
9951S#	1	10	40
995114S#	1 1/4	o.r.	20
995112S#	1 1/2	o.r.	16

### 95#

AUG 109

Elbow union 90°, female/female thread, flat sealing, galvanised



Article No.	Dimension	Bag	Box
99512V#	1/2	10	80
99534V#	3/4	10	50
9951V#	1	10	40
995114V#	1 1/4	o.r.	20
995112V#	1 1/2	o.r.	16
9952V#	2	o.r.	10
995212V#	2 1/2	o.r.	6

### 96#

AUG 108

Elbow union 90°, conical sealing, female/female thread, black



Article No.	Dimension	Bag	Box
99612S#	1/2	10	80
99634S#	3/4	10	50
9961S#	1	10	40
996114S#	1 1/4	o.r.	20
996112S#	1 1/2	o.r.	16
9962S#	2	o.r.	10

### 96#

AUG 109

Elbow union 90°, conical sealing, female/female thread, galvanised



Article No.	Dimension	Bag	Box
99612V#	1/2	10	80
99634V#	3/4	10	50
9961V#	1	10	40
996114V#	1 1/4	o.r.	20
996112V#	1 1/2	o.r.	16
9962V#	2	o.r.	10
996212V#	2 1/2	o.r.	6
9963V#	3	o.r.	3

### 97#

AUG 108

Elbow union, female/male thread, flat sealing, black



Article No.	Dimension	Bag	Box
99712S#	1/2	10	80
99734S#	3/4	10	40
9971S#	1	10	30
997114S#	1 1/4	o.r.	18
997112S#	1 1/2	o.r.	12
9972S#	2	o.r.	7

## Product catalogue | Threaded fittings from malleable cast iron

### 97#

AUG 109

Elbow union, female/male thread, flat sealing, galvanised



Article No.	Dimension	Bag	Box
99712V#	1/2	10	80
99734V#	3/4	10	40
9971V#	1	10	30
997114V#	1 1/4	o.r.	18
997112V#	1 1/2	o.r.	12
9972V#	2	o.r.	7

### 98#

AUG 108

Elbow union 90°, conical sealing, female/male thread, black



Article No.	Dimension	Bag	Box
99814S#	1/4	10	120
99812S#	1/2	10	80
99834S#	3/4	10	40
9981S#	1	10	30
998114S#	1 1/4	o.r.	18
998112S#	1 1/2	o.r.	12
9982S#	2	o.r.	7
998212S#	2 1/2	o.r.	4

### 98#

AUG 109

Elbow union 90°, conical sealing, female/male thread, galvanised



Article No.	Dimension	Bag	Box
99812V#	1/2	10	80
99834V#	3/4	10	40
9981V#	1	10	30
998114V#	1 1/4	o.r.	18
998112V#	1 1/2	o.r.	12
9982V#	2	o.r.	7
998212V#	2 1/2	o.r.	4
9983V#	3	o.r.	3

### 120#

AUG 108

Elbow 45°, female/female thread, black



Article No.	Dimension	Bag	Box
912012S#	1/2	10	200
912034S#	3/4	10	120
91201S#	1	10	80
9120114S#	1 1/4	o.r.	45
9120112S#	1 1/2	o.r.	30
91202S#	2	o.r.	18

### 120#

AUG 109

Elbow 45°, female/female thread, galvanised



Article No.	Dimension	Bag	Box
912012V#	1/2	10	200
912034V#	3/4	10	120
91201V#	1	10	80
9120114V#	1 1/4	o.r.	45
9120112V#	1 1/2	o.r.	30
91202V#	2	o.r.	18

### 121#

AUG 108

Elbow 45°, female/male thread, black



Article No.	Dimension	Bag	Box
912112S#	1/2	10	200
912134S#	3/4	10	150
91211S#	1	10	90
9121114S#	1 1/4	o.r.	50
9121112S#	1 1/2	o.r.	35
91212SB#	2	o.r.	20

# Threaded fittings

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### 121#

AUG 109

Elbow 45°, female/male thread, galvanised



Article No.	Dimension	Bag	Box
912112V#	1/2	10	200
912134V#	3/4	10	150
91211V#	1	10	90
9121114V#	1 1/4	o.r.	50
9121112V#	1 1/2	o.r.	35
91212VB#	2	o.r.	20

### 130#

AUG 108

Tee, female threads, black



Article No.	Dimension	Bag	Box
913014S#	1/4	10	300
913038S#	3/8	10	180
913012S#	1/2	10	120
913034S#	3/4	10	60
91301S#	1	10	40
9130114S#	1 1/4	o.r.	25
9130112S#	1 1/2	o.r.	22
91302S#	2	o.r.	13
9130212SA#	2 1/2	o.r.	6
91303S#	3	o.r.	4
9130123812S#	1/2 x 3/8 x 1/2	10	130
9130123412S#	1/2 x 3/4 x 1/2	10	90
9130343834S#	3/4 x 3/8 x 3/4	10	100
9130341234S#	3/4 x 1/2 x 3/4	10	90
91301381S#	1 x 3/8 x 1	10	60
91301121S#	1 x 1/2 x 1	10	60
91301341S#	1 x 3/4 x 1	10	50
913011412114S#	1 1/4 x 1/2 x 1 1/4	o.r.	40
913011434114S#	1 1/4 x 3/4 x 1 1/4	o.r.	40
91301141114S#	1 1/4 x 1 x 1 1/4	o.r.	35
913011212112S#	1 1/2 x 1/2 x 1 1/2	o.r.	30
913011234112S#	1 1/2 x 3/4 x 1 1/2	o.r.	30
91301121112S#	1 1/2 x 1 x 1 1/2	o.r.	25
91302122S#	2 x 1/2 x 2	o.r.	20
91302342S#	2 x 3/4 x 2	o.r.	20
9130212SB#	2 x 1 x 2	o.r.	18
913021142S#	2 x 1 1/4 x 2	o.r.	15
913021122S#	2 x 1 1/2 x 2	o.r.	15
9130123838S#	1/2 x 3/8 x 3/8	10	150
9130121238S#	1/2 x 1/2 x 3/8	10	150

### 130#

AUG 108

Tee, female threads, black



Article No.	Dimension	Bag	Box
9130341212S#	3/4 x 1/2 x 1/2	10	100
9130343438S#	3/4 x 3/4 x 3/8	10	80
9130343412S#	3/4 x 3/4 x 1/2	10	80
913011234S#	1 x 1/2 x 3/4	10	70
913013412S#	1 x 3/4 x 1/2	10	50
913013434S#	1 x 3/4 x 3/4	10	50
91301112S#	1 x 1 x 1/2	10	50
91301134S#	1 x 1 x 3/4	10	50
913011411412S#	1 1/4 x 1 1/4 x 1/2	o.r.	35
91301141141S#	1 1/4 x 1 1/4 x 1	o.r.	30

### 130#

AUG 109

Tee, female threads, galvanised



Article No.	Dimension	Bag	Box
913014V#	1/4	10	300
913038V#	3/8	10	180
913012V#	1/2	10	120
913034V#	3/4	10	60
91301V#	1	10	40
9130114V#	1 1/4	o.r.	25
9130112V#	1 1/2	o.r.	22
91302V#	2	o.r.	13
9130212VA#	2 1/2	o.r.	6
91303V#	3	o.r.	4
91304V#	4	o.r.	2
9130381238V#	3/8 x 1/2 x 3/8	10	130
9130121412V#	1/2 x 1/4 x 1/2	10	150
9130123812V#	1/2 x 3/8 x 1/2	10	130
9130123412V#	1/2 x 3/4 x 1/2	10	90
9130343834V#	3/4 x 3/8 x 3/4	10	100
9130341234V#	3/4 x 1/2 x 3/4	10	90
913034134V#	3/4 x 1 x 3/4	10	60
91301121V#	1 x 1/2 x 1	10	60
91301341V#	1 x 3/4 x 1	10	50
913011141V#	1 x 1 1/4 x 1	o.r.	35
913011412114V#	1 1/4 x 1/2 x 1 1/4	o.r.	40
913011434114V#	1 1/4 x 3/4 x 1 1/4	o.r.	40
91301141114V#	1 1/4 x 1 x 1 1/4	o.r.	35
913011212112V#	1 1/2 x 1/2 x 1 1/2	o.r.	30
913011234112V#	1 1/2 x 3/4 x 1 1/2	o.r.	30

## Product catalogue | Threaded fittings from malleable cast iron

### 130#

AUG 109

Tee, female threads, galvanised



Article No.	Dimension	Bag	Box
91301121112V#	1 1/2 x 1 x 1 1/2	o.r.	25
9130112114112V#	1 1/2 x 1 1/4 x 1 1/2	o.r.	20
91301122112V#	1 1/2 x 2 x 1 1/2	o.r.	18
91302122V#	2 x 1/2 x 2	o.r.	20
91302342V#	2 x 3/4 x 2	o.r.	20
9130212VB#	2 x 1 x 2	o.r.	18
913021142V#	2 x 1 1/4 x 2	o.r.	15
913021122V#	2 x 1 1/2 x 2	o.r.	15
913021234212V#	2 1/2 x 3/4 x 2 1/2	o.r.	6
91302121212V#	2 1/2 x 1 x 2 1/2	o.r.	8
9130212114212V#	2 1/2 x 1 1/4 x 2 1/2	o.r.	12
91302122212V#	2 1/2 x 2 x 2 1/2	o.r.	8
9130313V#	3 x 1 x 3	o.r.	6
913031143V#	3 x 1 1/4 x 3	o.r.	6
913031123V#	3 x 1 1/2 x 3	o.r.	6
9130323V#	3 x 2 x 3	o.r.	5
913032123V#	3 x 2 1/2 x 3	o.r.	5
9130424V#	4 x 2 x 4	o.r.	2
913042124V#	4 x 2 1/2 x 4	o.r.	2
9130434V#	4 x 3 x 4	o.r.	2
9130121238V#	1/2 x 1/2 x 3/8	10	150
9130341212V#	3/4 x 1/2 x 1/2	10	100
9130343412V#	3/4 x 3/4 x 1/2	10	80
913011212V#	1 x 1/2 x 1/2	10	60
913011234V#	1 x 1/2 x 3/4	10	70
913013412V#	1 x 3/4 x 1/2	10	50
913013434V#	1 x 3/4 x 3/4	10	50
91301112V#	1 x 1 x 1/2	10	50
91301134V#	1 x 1 x 3/4	10	50
9130114341V#	1 1/4 x 3/4 x 1	o.r.	40
913011411V#	1 1/4 x 1 x 1	o.r.	35
913011411412V#	1 1/4 x 1 1/4 x 1/2	o.r.	35
913011411434V#	1 1/4 x 1 1/4 x 3/4	o.r.	35
91301141141V#	1 1/4 x 1 1/4 x 1	o.r.	30
91301121114V#	1 1/2 x 1 x 1 1/4	o.r.	25
913011211212V#	1 1/2 x 1 1/2 x 1/2	o.r.	24
91301121121V#	1 1/2 x 1 1/2 x 1	o.r.	20
91302212V#	2 x 2 x 1/2	o.r.	15
9130221V#	2 x 2 x 1	o.r.	18
9130212112212V#	2 1/2 x 1 1/2 x 2 1/2	o.r.	12
91302122122V#	2 1/2 x 2 1/2 x 2	o.r.	8

### 131#

AUG 108

Pitcher tee, black



Article No.	Dimension	Bag	Box
913112S#	1/2	10	90
913134S#	3/4	10	50
91311S#	1	10	30
9131114S#	1 1/4	o.r.	20
9131112S#	1 1/2	o.r.	15
91312S#	2	o.r.	7

### 131#

AUG 109

Pitcher tee, galvanised



Article No.	Dimension	Bag	Box
913134V#	3/4	10	50
91311V#	1	10	30
9131114V#	1 1/4	o.r.	20
9131112V#	1 1/2	o.r.	15
91312V#	2	o.r.	7

### 180#

AUG 108

Cross, female threads, black



Article No.	Dimension	Bag	Box
918012S#	1/2	10	110
918034S#	3/4	10	50
91801S#	1	10	40
9180114S#	1 1/4	o.r.	25
9180112S#	1 1/2	o.r.	18
91802S#	2	o.r.	7

### 180#

AUG 109

Cross, female threads, galvanised



Article No.	Dimension	Bag	Box
918012V#	1/2	10	110
918034V#	3/4	10	50
91801V#	1	10	40

# Threaded fittings

## Product catalogue | Threaded fittings from malleable cast iron

### 180#

AUG 109

Cross, female threads, galvanised



Article No.	Dimension	Bag	Box
9180114V#	1 1/4	o.r.	25
9180112V#	1 1/2	o.r.	18
91802V#	2	o.r.	7
9180212V#	2 1/2	o.r.	5
91803V#	3	o.r.	3

### 221#

AUG 109

Distributor, female threads, galvanised



Article No.	Dimension	Bag	Box
922112V#	1/2	10	120
922134V#	3/4	10	80
92211V#	1	10	50
9221114V#	1 1/4	o.r.	25
9221112V#	1 1/2	o.r.	20
92212VB#	2	o.r.	12

### 240#

AUG 108

Reducing coupling, female/female thread, black



Article No.	Dimension	Bag	Box
92403814S#	3/8 x 1/4	10	500
92401214S#	1/2 x 1/4	10	300
92401238S#	1/2 x 3/8	10	300
92403438S#	3/4 x 3/8	10	160
92403412S#	3/4 x 1/2	10	150
9240138S#	1 x 3/8	10	140
9240112S#	1 x 1/2	10	120
9240134S#	1 x 3/4	10	100
924011412S#	1 1/4 x 1/2	10	90
924011434S#	1 1/4 x 3/4	o.r.	90
92401141S#	1 1/4 x 1	o.r.	80
924011212S#	1 1/2 x 1/2	o.r.	60
924011234S#	1 1/2 x 3/4	o.r.	60

### 240#

AUG 108

Reducing coupling, female/female thread, black



Article No.	Dimension	Bag	Box
92401121S#	1 1/2 x 1	o.r.	50
9240112114S#	1 1/2 x 1 1/4	o.r.	50
9240234S#	2 x 3/4	o.r.	42
924021S#	2 x 1	o.r.	42
92402114S#	2 x 1 1/4	o.r.	30
92402112S#	2 x 1 1/2	o.r.	30

### 240#

AUG 109

Reducing coupling, female/female thread, galvanised



Article No.	Dimension	Bag	Box
92403814V#	3/8 x 1/4	10	500
92401214V#	1/2 x 1/4	10	300
92401238V#	1/2 x 3/8	10	300
92403414V#	3/4 x 1/4	10	180
92403412V#	3/4 x 1/2	10	150
9240112V#	1 x 1/2	10	120
9240134V#	1 x 3/4	10	100
924011412V#	1 1/4 x 1/2	10	90
924011434V#	1 1/4 x 3/4	o.r.	90
92401141V#	1 1/4 x 1	o.r.	80
924011212V#	1 1/2 x 1/2	o.r.	60
924011234V#	1 1/2 x 3/4	o.r.	60
92401121V#	1 1/2 x 1	o.r.	50
9240112114V#	1 1/2 x 1 1/4	o.r.	50
9240212V#	2 x 1/2	o.r.	42
9240234V#	2 x 3/4	o.r.	42
924021V#	2 x 1	o.r.	42
92402114V#	2 x 1 1/4	o.r.	30
92402112V#	2 x 1 1/2	o.r.	30
9240212112V#	2 1/2 x 1 1/2	o.r.	27
92402122V#	2 1/2 x 2	o.r.	18
924032V#	3 x 2	o.r.	18
92403212V#	3 x 2 1/2	o.r.	12
924042V#	4 x 2	o.r.	6
924043V#	4 x 3	o.r.	6

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### 241#

AUG 108

Reducing nipple, male/female thread, black



Article No.	Dimension	Bag	Box
92411418S#	1/4 x 1/8	10	1000
92413818S#	3/8 x 1/8	10	1000
92413814S#	3/8 x 1/4	10	1000
92411218S#	1/2 x 1/8	10	500
92411214S#	1/2 x 1/4	10	500
92411238S#	1/2 x 3/8	10	500
92413414S#	3/4 x 1/4	10	320
92413438S#	3/4 x 3/8	10	320
92413412S#	3/4 x 1/2	10	320
9241138S#	1 x 3/8	10	200
9241112S#	1 x 1/2	10	200
9241134S#	1 x 3/4	10	200
924111412S#	1 1/4 x 1/2	o.r.	140
924111434S#	1 1/4 x 3/4	o.r.	140
92411141S#	1 1/4 x 1	o.r.	140
924111212S#	1 1/2 x 1/2	o.r.	110
924111234S#	1 1/2 x 3/4	o.r.	110
92411121S#	1 1/2 x 1	o.r.	110
9241112114S#	1 1/2 x 1 1/4	o.r.	110
9241212S#	2 x 1/2	o.r.	50
9241234S#	2 x 3/4	o.r.	50
924121S#	2 x 1	o.r.	60
92412114S#	2 x 1 1/4	o.r.	60
92412112S#	2 x 1 1/2	o.r.	60
9241212112S#	2 1/2 x 1 1/2	o.r.	30
92412122S#	2 1/2 x 2	o.r.	30
924132S#	3 x 2	o.r.	24
92413212S#	3 x 2 1/2	o.r.	24
924142S#	4 x 2	o.r.	9

### 241#

AUG 109

Reducing nipple, male/female thread, galvanised



Article No.	Dimension	Bag	Box
92411418V#	1/4 x 1/8	10	1000
92413818V#	3/8 x 1/8	10	1000
92413814V#	3/8 x 1/4	10	1000
92411218V#	1/2 x 1/8	10	500
92411214V#	1/2 x 1/4	10	500
92411238V#	1/2 x 3/8	10	500
92413414V#	3/4 x 1/4	10	320

### 241#

AUG 109

Reducing nipple, male/female thread, galvanised



Article No.	Dimension	Bag	Box
92413438V#	3/4 x 3/8	10	320
92413412V#	3/4 x 1/2	10	320
9241114V#	1 x 1/4	10	200
9241138V#	1 x 3/8	10	200
9241112V#	1 x 1/2	10	200
9241134V#	1 x 3/4	10	200
924111412V#	1 1/4 x 1/2	o.r.	140
924111434V#	1 1/4 x 3/4	o.r.	140
92411141V#	1 1/4 x 1	o.r.	140
924111238V#	1 1/2 x 3/8	o.r.	120
924111212V#	1 1/2 x 1/2	o.r.	110
924111234V#	1 1/2 x 3/4	o.r.	110
92411121V#	1 1/2 x 1	o.r.	110
9241112114V#	1 1/2 x 1 1/4	o.r.	110
9241212V#	2 x 1/2	o.r.	50
9241234V#	2 x 3/4	o.r.	50
924121V#	2 x 1	o.r.	60
92412114V#	2 x 1 1/4	o.r.	60
92412112V#	2 x 1 1/2	o.r.	60
924121234V#	2 1/2 x 3/4	o.r.	30
92412121V#	2 1/2 x 1	o.r.	30
9241212114V#	2 1/2 x 1 1/4	o.r.	30
9241212112V#	2 1/2 x 1 1/2	o.r.	30
92412122V#	2 1/2 x 2	o.r.	30
924131V#	3 x 1	o.r.	24
92413114V#	3 x 1 1/4	o.r.	24
92413112V#	3 x 1 1/2	o.r.	20
924132V#	3 x 2	o.r.	24
92413212V#	3 x 2 1/2	o.r.	24
924142V#	4 x 2	o.r.	9
92414212V#	4 x 2 1/2	o.r.	9
924143V#	4 x 3	o.r.	12
924154V#	5 x 4	o.r.	6

### 245#

AUG 108

Reducing double nipple, male/male thread, black



Article No.	Dimension	Bag	Box
92453814S#	3/8 x 1/4	10	700
92451214S#	1/2 x 1/4	10	400
92451238S#	1/2 x 3/8	10	400

# Threaded fittings

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### 245#

AUG 108

Reducing double nipple, male/male thread, black



Article No.	Dimension	Bag	Box
92453412S#	3/4 x 1/2	10	220
9245112S#	1 x 1/2	10	150
9245134S#	1 x 3/4	10	140
924511434S#	1 1/4 x 3/4	o.r.	100
92451141S#	1 1/4 x 1	o.r.	85
924511234S#	1 1/2 x 3/4	o.r.	60
92451121S#	1 1/2 x 1	o.r.	60
9245112114S#	1 1/2 x 1 1/4	o.r.	60
924521S#	2 x 1	o.r.	45
92452114S#	2 x 1 1/4	o.r.	48
92452112S#	2 x 1 1/2	o.r.	48
92452122S#	2 1/2 x 2	o.r.	25
924532S#	3 x 2	o.r.	20

### 245#

AUG 109

Reducing double nipple, male/male thread, galvanised



Article No.	Dimension	Bag	Box
92451418V#	1/4 x 1/8	10	800
92453814V#	3/8 x 1/4	10	700
92451214V#	1/2 x 1/4	10	400
92451238V#	1/2 x 3/8	10	400
92453438V#	3/4 x 3/8	10	250
92453412V#	3/4 x 1/2	10	220
9245112V#	1 x 1/2	10	150
9245134V#	1 x 3/4	10	140
924511412V#	1 1/4 x 1/2	o.r.	100
924511434V#	1 1/4 x 3/4	o.r.	100
92451141V#	1 1/4 x 1	o.r.	85
924511234V#	1 1/2 x 3/4	o.r.	60
92451121V#	1 1/2 x 1	o.r.	60
9245112114V#	1 1/2 x 1 1/4	o.r.	60
924521V#	2 x 1	o.r.	45
92452114V#	2 x 1 1/4	o.r.	48
92452112V#	2 x 1 1/2	o.r.	48
9245212112V#	2 1/2 x 1 1/2	o.r.	25
92452122V#	2 1/2 x 2	o.r.	25
924532V#	3 x 2	o.r.	20
92453212V#	3 x 2 1/2	o.r.	16
92454212V#	4 x 2 1/2	o.r.	7
924543V#	4 x 3	o.r.	8

### 246#

AUG 108

Reducer (coupling/nipple), male/female thread, black



Article No.	Dimension	Bag	Box
92463814S#	3/8 x 1/4	10	400
92461238S#	1/2 x 3/8	10	320
92463412S#	3/4 x 1/2	10	200
9246112S#	1 x 1/2	10	130
9246134S#	1 x 3/4	10	110
924611434S#	1 1/4 x 3/4	o.r.	80
92461141S#	1 1/4 x 1	o.r.	70
92461121S#	1 1/2 x 1	o.r.	60
9246112114S#	1 1/2 x 1 1/4	o.r.	50
92462114S#	2 x 1 1/4	o.r.	42
92462112S#	2 x 1 1/2	o.r.	42
92462122S#	2 1/2 x 2	o.r.	24
924632S#	3 x 2	o.r.	15
92463212S#	3 x 2 1/2	o.r.	15

### 246#

AUG 109

Reducer (coupling/nipple), male/female thread, galvanised



Article No.	Dimension	Bag	Box
92461418V#	1/4 x 1/8	10	800
92463814V#	3/8 x 1/4	10	400
92461214V#	1/2 x 1/4	10	350
92461238V#	1/2 x 3/8	10	320
92463438V#	3/4 x 3/8	10	100
92463412V#	3/4 x 1/2	10	200
9246112V#	1 x 1/2	10	130
9246134V#	1 x 3/4	10	110
924611412V#	1 1/4 x 1/2	o.r.	85
924611434V#	1 1/4 x 3/4	o.r.	85
92461141V#	1 1/4 x 1	o.r.	70
924611234V#	1 1/2 x 3/4	o.r.	60
92461121V#	1 1/2 x 1	o.r.	60
9246112114V#	1 1/2 x 1 1/4	o.r.	50
924621V#	2 x 1	o.r.	42
92462114V#	2 x 1 1/4	o.r.	42
92462112V#	2 x 1 1/2	o.r.	42
92462122V#	2 1/2 x 2	o.r.	24
924632V#	3 x 2	o.r.	15
92463212V#	3 x 2 1/2	o.r.	15



## Product catalogue | Threaded fittings from malleable cast iron

### 270#

AUG 108

Coupling, female/female thread, black



Article No.	Dimension	Bag	Box
927018S#	1/8	10	700
927014S#	1/4	10	500
927038S#	3/8	10	300
927012S#	1/2	10	250
927034S#	3/4	10	150
92701S#	1	10	90
9270114S#	1 1/4	o.r.	70
9270112S#	1 1/2	o.r.	50
92702S#	2	o.r.	24
9270212S#	2 1/2	o.r.	18
92703S#	3	o.r.	12

### 272#

AUG 108

Coupling with continuous thread, female/female thread, black



Article No.	Dimension	Bag	Box
927212S#	1/2	10	250
927234S#	3/4	10	150
92721S#	1	10	90
9272114S#	1 1/4	o.r.	70
9272112S#	1 1/2	o.r.	50

### 272#

AUG 109

Coupling with continuous thread, female/female thread, galvanised



Article No.	Dimension	Bag	Box
927212V#	1/2	10	250
927234V#	3/4	10	150
92721V#	1	10	90
9272114V#	1 1/4	o.r.	70
9272112V#	1 1/2	o.r.	50
92722V#	2	o.r.	24
9272212V#	2 1/2	o.r.	18
92723V#	3	o.r.	12
92724V#	4	o.r.	5

### 270#

AUG 109

Coupling, female/female thread, galvanised



Article No.	Dimension	Bag	Box
927018V#	1/8	10	700
927014V#	1/4	10	500
927038V#	3/8	10	300
927012V#	1/2	10	250
927034V#	3/4	10	150
92701V#	1	10	90
9270114V#	1 1/4	o.r.	70
9270112V#	1 1/2	o.r.	50
92702V#	2	o.r.	24
9270212V#	2 1/2	o.r.	18
92703V#	3	o.r.	12
92704V#	4	o.r.	5

### 280#

AUG 108

Double nipple, male/male thread, black



Article No.	Dimension	Bag	Box
928018S#	1/8	10	1200
928014S#	1/4	10	800
928038S#	3/8	10	450
928012S#	1/2	10	350
928034S#	3/4	10	200
92801S#	1	10	100
9280114S#	1 1/4	o.r.	70
9280112S#	1 1/2	o.r.	45
92802S#	2	o.r.	30
9280212S#	2 1/2	o.r.	20
92803S#	3	o.r.	12
92804S#	4	o.r.	6

### 271#

AUG 109

Coupling, female/female thread, with right- and left-hand thread, galvanised



Article No.	Dimension	Bag	Box
927112V#	1/2	10	250
927134V#	3/4	10	150
92711V#	1	10	90
9271114V#	1 1/4	o.r.	70
9271112V#	1 1/2	o.r.	50
92712V#	2	o.r.	24

# Threaded fittings

## Product catalogue | Threaded fittings from malleable cast iron

### 280#

AUG 109

Double nipple, male/male thread, galvanised



Article No.	Dimension	Bag	Box
928018V#	1/8	10	1200
928014V#	1/4	10	800
928038V#	3/8	10	450
928012V#	1/2	10	350
928034V#	3/4	10	200
92801V#	1	10	100
9280114V#	1 1/4	o.r.	70
9280112V#	1 1/2	o.r.	45
92802V#	2	o.r.	30
9280212V#	2 1/2	o.r.	20
92803V#	3	o.r.	12
92804V#	4	o.r.	6

### 290#

AUG 108

Plug with edge, male thread, black



Article No.	Dimension	Bag	Box
929018S#	1/8	10	1000
929014S#	1/4	10	1000
929038S#	3/8	10	800
929012S#	1/2	10	450
929034S#	3/4	10	300
92901S#	1	10	180
9290114S#	1 1/4	o.r.	140
9290112S#	1 1/2	o.r.	100
92902S#	2	o.r.	60
9290212S#	2 1/2	o.r.	35
92903S#	3	o.r.	20
92904S#	4	o.r.	14

### 290#

AUG 109

Plug with edge, male thread, galvanised



Article No.	Dimension	Bag	Box
929018V#	1/8	10	1000
929014V#	1/4	10	1000
929038V#	3/8	10	800
929012V#	1/2	10	450

### 290#

AUG 109

Plug with edge, male thread, galvanised



Article No.	Dimension	Bag	Box
929034V#	3/4	10	300
92901V#	1	10	180
9290114V#	1 1/4	o.r.	140
9290112V#	1 1/2	o.r.	100
92902V#	2	o.r.	60
9290212V#	2 1/2	o.r.	35
92903V#	3	o.r.	20
92904V#	4	o.r.	14

### 300#

AUG 108

Cap, hexagon, female thread, black



Article No.	Dimension	Bag	Box
930014S#	1/4	10	800
930038S#	3/8	10	700
930012S#	1/2	10	400
930034S#	3/4	10	250
93001S#	1	10	150
9300114S#	1 1/4	o.r.	120
9300112S#	1 1/2	o.r.	90
93002S#	2	o.r.	50
9300212S#	2 1/2	o.r.	30
93003S#	3	o.r.	21
93004S#	4	o.r.	11

### 300#

AUG 109

Cap, hexagon, female thread, galvanised



Article No.	Dimension	Bag	Box
930014V#	1/4	10	800
930038V#	3/8	10	700
930012V#	1/2	10	400
930034V#	3/4	10	250
93001V#	1	10	150
9300114V#	1 1/4	o.r.	120
9300112V#	1 1/2	o.r.	90

## Product catalogue | Threaded fittings from malleable cast iron

### 300#

AUG 109

Cap, hexagon, female thread, galvanised



Article No.	Dimension	Bag	Box
93002V#	2	o.r.	50
9300212V#	2 1/2	o.r.	30
93003V#	3	o.r.	21
93004V#	4	o.r.	11

### 310#

AUG 108

Hexagon nut, black



Article No.	Dimension	Bag	Box
931012S#	1/2	10	680
931034S#	3/4	10	400
93101S#	1	10	250
9310114S#	1 1/4	o.r.	200
9310112S#	1 1/2	o.r.	150
93102S#	2	o.r.	100
9310212S#	2 1/2	o.r.	40

### 310#

AUG 109

Hexagon nut, galvanised



Article No.	Dimension	Bag	Box
931038V#	3/8	10	1000
931012V#	1/2	10	680
931034V#	3/4	10	400
93101V#	1	10	250
9310114V#	1 1/4	o.r.	200
9310112V#	1 1/2	o.r.	150
93102V#	2	o.r.	100
9310212V#	2 1/2	o.r.	40
93103V#	3	o.r.	35

### 330#

AUG 108

Union, female/female thread, flat sealing, black



Article No.	Dimension	Bag	Box
933012S#	1/2	10	120
933034S#	3/4	10	80
93301S#	1	10	50
9330114S#	1 1/4	o.r.	30
9330112S#	1 1/2	o.r.	25
93302S#	2	o.r.	14

### 330#

AUG 109

Union, female/female thread, flat sealing, galvanised



Article No.	Dimension	Bag	Box
933012V#	1/2	10	120
933034V#	3/4	10	80
93301V#	1	10	50
9330114V#	1 1/4	o.r.	30
9330112V#	1 1/2	o.r.	25
93302V#	2	o.r.	14
9330212V#	2 1/2	o.r.	10
93303V#	3	o.r.	5

### 331#

AUG 108

Union, female/male thread, flat sealing, black



Article No.	Dimension	Bag	Box
933138S#	3/8	10	180
933112S#	1/2	10	120
933134S#	3/4	10	60
93311S#	1	o.r.	40
9331114S#	1 1/4	o.r.	25
9331112S#	1 1/2	o.r.	20
93312S#	2	o.r.	12
9331212S#	2 1/2	o.r.	7

# Threaded fittings

## Product catalogue | Threaded fittings from malleable cast iron

### 331#

AUG 109

Union, female/male thread, flat sealing, galvanised



Article No.	Dimension	Bag	Box
933112V#	1/2	10	120
933134V#	3/4	10	60
93311V#	1	10	40
9331114V#	1 1/4	o.r.	25
933112V#	1 1/2	o.r.	20
93312V#	2	o.r.	12
9331212V#	2 1/2	o.r.	7
93313V#	3	o.r.	4

### 340#

AUG 108

Union, female/female thread, conical sealing, black



Article No.	Dimension	Bag	Box
934038S#	3/8	10	200
934012S#	1/2	10	120
934034S#	3/4	10	60
93401S#	1	10	50
9340114S#	1 1/4	o.r.	30
9340112S#	1 1/2	o.r.	25
93402S#	2	o.r.	14
9340212S#	2 1/2	o.r.	12
93403S#	3	o.r.	5

### 340#

AUG 109

Union, female/female thread, conical sealing, galvanised



Article No.	Dimension	Bag	Box
934014V#	1/4	10	250
934038V#	3/8	10	200
934012V#	1/2	10	120
934034V#	3/4	10	60
93401V#	1	10	50
9340114V#	1 1/4	o.r.	30
9340112V#	1 1/2	o.r.	25
93402V#	2	o.r.	14
9340212V#	2 1/2	o.r.	12
93403V#	3	o.r.	5
93404V#	4	o.r.	4

### 341#

AUG 108

Union, female/male thread, conical sealing, black



Article No.	Dimension	Bag	Box
934138S#	3/8	10	180
934112S#	1/2	10	120
934134S#	3/4	10	60
93411S#	1	10	40
9341114S#	1 1/4	o.r.	25
9341112S#	1 1/2	o.r.	20
93412S#	2	o.r.	12
9341212S#	2 1/2	o.r.	7
93413S#	3	o.r.	4

### 341#

AUG 109

Union, female/male thread, conical sealing, galvanised



Article No.	Dimension	Bag	Box
934114V#	1/4	10	200
934138V#	3/8	10	180
934112V#	1/2	10	120
934134V#	3/4	10	60
93411V#	1	10	40
9341114V#	1 1/4	o.r.	25
9341112V#	1 1/2	o.r.	20
93412V#	2	o.r.	12
9341212V#	2 1/2	o.r.	7
93413V#	3	o.r.	4
93414V#	4	o.r.	2

### 370#

AUG 108

Screwed insert, flat sealing, female/male thread, black



Article No.	Dimension	Bag	Box
93701112S#	1 x 1 1/2	o.r.	150

## Product catalogue | Threaded fittings from malleable cast iron

### 371#

AUG 108

Insert, male thread, flat sealing, black



Article No.	Dimension	Bag	Box
93711112S#	1 x 1 1/2	o.r.	130
93711142S#	1 1/4 x 2	o.r.	70

### 372#

AUG 108

Insert, female thread, flat sealing, black



Article No.	Dimension	Bag	Box
937234114S#	3/4 x 1 1/4	o.r.	300
93721112S#	1 x 1 1/2	o.r.	220
93721142S#	1 1/4 x 2	o.r.	100

### 372#

AUG 109

Insert, female thread, flat sealing, galvanised



Article No.	Dimension	Bag	Box
93721112V#	1 x 1 1/2	o.r.	220
93721142V#	1 1/4 x 2	o.r.	100

### 374#

AUG 108

Cap nut, black



Article No.	Dimension	Bag	Box
93741112S#	1 x 1 1/2	o.r.	150
93741142S#	1 1/4 x 2	o.r.	70

### 374#

AUG 109

Cap nut, galvanised



Article No.	Dimension	Bag	Box
93741112V#	1 x 1 1/2	o.r.	150
93741142V#	1 1/4 x 2	o.r.	70

### 471#

AUG 109

Wall plate, female/female thread, galvanised



Article No.	Dimension	Bag	Box
947112V#	1/2	10	80
947134V#	3/4	10	40

### 529A#

AUG 108

Extension with female/male thread, black



Article No.	Dimension	Bag	Box
952938S#	3/8	10	450
952912S#	1/2	10	300
952934S#	3/4	10	160
95291S#	1	10	90
9529114S#	1 1/4	o.r.	60
95292S#	2	o.r.	28

### 529A#

AUG 109

Extension with female/male thread, galvanised



Article No.	Dimension	Bag	Box
952938V#	3/8	10	450
952912V#	1/2	10	300
952934V#	3/4	10	160
95291V#	1	10	90
9529114V#	1 1/4	o.r.	60
9529112V#	1 1/2	o.r.	50
95292V#	2	o.r.	28

# Threaded fittings

## Product catalogue | Threaded fittings from malleable cast iron

### DTG

AUG 602

DTG seal, for malleable cast iron union, tested according to DIN 3535 Part 6, - made without asbestos - max. temperature resistance 200 °C - field of application: water, vapour, alcohols, glycols, oils based on hydrocarbons, inflammable gases



Article No.	Dimension	Bag	Box
9DTG14	1/4" 24 x 17 x 2	o.r.	600
9DTG38	3/8" 27 x 19 x 2	o.r.	400
9DTG12	1/2" 30 x 21 x 2	o.r.	400
9DTG34	3/4" 38 x 27 x 2	o.r.	400
9DTG1	1" 44 x 32 x 2	o.r.	400
9DTG114	1 1/4" 55 x 42 x 2	o.r.	240
9DTG112	1 1/2" 62 x 45 x 2	o.r.	200
9DTG2	2" 78 x 60 x 2	o.r.	120
9DTG212	2 1/2" 97 x 75 x 2	o.r.	80
9DTG3	3" 110 x 88 x 2	o.r.	40

# THREADED FITTINGS

Mild steel



## Pipe Adaptors and Couplings

### AREAS OF APPLICATION

- | Heating
- | Compressed air



# Pipe Adaptors and Couplings

## from mild steel

SANHA couplings, half-couplings and pipe adaptors from mild steel are produced in black or galvanised versions and offer a wide range of economical options for the installation of heating and compressed air systems.

### Wrought iron threaded fittings

SANHA threaded fittings made of wrought iron (pipe nipples and sockets) are manufactured from unalloyed quality steel in accordance with DIN EN 10241 and DIN EN 10083-2. They are available in both black and galvanised versions and, in addition to a proven material, offer quick and easy installation for heating, cooling water, solar or compressed air systems, especially since no elastomer or Centell seal is required.

### Operating conditions for SANHA® threaded fittings made of wrought iron

Dimensions	Operating pressure
Water and aqueous solutions	
1/8"..."4"	25 bar up to 120 °C
	20 bar up to 300 °C
Technical gases (non-toxic, non-flammable)	
1/8"..."4"	1 bar / according to application are
<b>Thread design</b>	
Pipe thread	R/Rp thread according to EN 10226
Mounting thread (ÜWM)	G-thread according to ISO 228

Please pay particular attention to our technical documentation and installation instructions! Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

## FEATURES

### Installation

- Quick and safe mounting due to thread sealing in the thread.
- Thread according to EN 10226 or ISO7/1 type R and Rp.
- No elastomer seal or centellated seal DCU necessary. Alignment is possible when hemp is used.

### Material

- Unalloyed quality steel according to DIN EN 10083-2.
- Steel grade: S195T to DIN EN 10027-1, material no. 1.0026 from welded tubes to DIN EN 10255.
- Black or hot-dip galvanised and free from such external and internal surface defects.

### Extensive portfolio

- from 1/8" to 4" incl. galvanised fittings



## Product catalogue | from mild steel

**16**

AUG 110

Coupling, welded version, black



Article No.	Dimension	Bag	Box
11614S	1/4	10	500
11638S	3/8	10	300
11612S	1/2	10	150
11634S	3/4	10	120
1161S	1	10	60
116114S	1 1/4	o.r.	45
116112S	1 1/2	o.r.	35
1162S	2	o.r.	20
116212S	2 1/2	o.r.	12
1163S	3	o.r.	8
1164S	4	o.r.	4
1161260S	1/2 x 60	10	100
1161280S	1/2 x 80	10	80
11612100S	1/2 x 100	10	50

**16**

AUG 111

Coupling, welded version, galvanised



Article No.	Dimension	Bag	Box
11612V	1/2	10	150
11634V	3/4	10	120
1161V	1	10	60
116114V	1 1/4	o.r.	45
116112V	1 1/2	o.r.	35
1162V	2	o.r.	20

**16D**

AUG 110

Half-coupling, welded version, black



Article No.	Dimension	Bag	Box
116D12S	1/2	o.r.	350
116D34S	3/4	o.r.	300
116D1S	1	o.r.	150
116D114S	1 1/4	o.r.	100
116D112S	1 1/2	o.r.	80

**23**

AUG 110

Double pipe nipple, male/male thread, wrought iron, black



Article No.	Dimension	Bag	Box
1233840S	3/8 x 40	10	300
1233860S	3/8 x 60	10	250
12338100S	3/8 x 100	10	100
12338120S	3/8 x 120	10	100
12338150S	3/8 x 150	10	80
1231240S	1/2 x 40	10	200
1231260S	1/2 x 60	10	160
1231280S	1/2 x 80	10	150
12312100S	1/2 x 100	10	100
12312120S	1/2 x 120	10	90
12312150S	1/2 x 150	10	60
12312200S	1/2 x 200	10	60
12312250S	1/2 x 250	10	60
1233440S	3/4 x 40	10	120
1233460S	3/4 x 60	10	90
1233480S	3/4 x 80	10	70
12334100S	3/4 x 100	10	50
12334120S	3/4 x 120	5	50
12334150S	3/4 x 150	5	50
12334200S	3/4 x 200	5	30
123140S	1 x 40	10	80
123160S	1 x 60	10	80
123180S	1 x 80	10	50
1231100S	1 x 100	10	40
1231120S	1 x 120	5	40
1231150S	1 x 150	5	30
1231180S	1 x 180	5	20
1231200S	1 x 200	5	20
12311440S	1 1/4 x 40	5	60
12311460S	1 1/4 x 60	5	40
12311480S	1 1/4 x 80	5	35
123114100S	1 1/4 x 100	o.r.	20
123114120S	1 1/4 x 120	o.r.	20
123114150S	1 1/4 x 150	o.r.	20
123114200S	1 1/4 x 200	o.r.	15
12311260S	1 1/2 x 60	o.r.	30
12311280S	1 1/2 x 80	o.r.	20
123112100S	1 1/2 x 100	o.r.	20
123112120S	1 1/2 x 120	o.r.	20
123112150S	1 1/2 x 150	o.r.	15
123112200S	1 1/2 x 200	o.r.	12
123280S	2 x 80	o.r.	16
1232100S	2 x 100	o.r.	12
1232120S	2 x 120	o.r.	12

# Pipe adaptors and couplings

## Product catalogue | from mild steel

**23**

AUG 110

Double pipe nipple, male/male thread,  
wrought iron, black



Article No.	Dimension	Bag	Box
1232150S	2 x 150	o.r.	12
1232180S	2 x 180	o.r.	8
1232200S	2 x 200	o.r.	6
123212100S	2 1/2 x 100	o.r.	6
123212150S	2 1/2 x 150	o.r.	5
123212200S	2 1/2 x 200	o.r.	4
1233150S	3 x 150	o.r.	3
1233200S	3 x 200	o.r.	2

**23**

AUG 111

Double pipe nipple, male/male thread,  
wrought iron, galvanised



Article No.	Dimension	Bag	Box
1231440V	1/4 x 40	10	500
1231460V	1/4 x 60	10	400
1231480V	1/4 x 80	10	200
12314100V	1/4 x 100	10	150
12314120V	1/4 x 120	10	120
1233840V	3/8 x 40	10	200
1233860V	3/8 x 60	10	250
1233880V	3/8 x 80	10	150
12338100V	3/8 x 100	10	100
12338150V	3/8 x 150	10	80
1231240V	1/2 x 40	10	200
1231260V	1/2 x 60	10	160
1231280V	1/2 x 80	10	150
12312100V	1/2 x 100	10	100
12312120V	1/2 x 120	10	90
12312150V	1/2 x 150	10	60
12312180V	1/2 x 180	10	60
12312200V	1/2 x 200	10	60
12312250V	1/2 x 250	10	60
12312300V	1/2 x 300	10	70
1233440V	3/4 x 40	10	120
1233460V	3/4 x 60	10	90
1233480V	3/4 x 80	10	70
12334100V	3/4 x 100	10	50
12334120V	3/4 x 120	5	50
12334150V	3/4 x 150	5	50
12334180V	3/4 x 180	5	50
12334200V	3/4 x 200	5	30

**23**

AUG 111

Double pipe nipple, male/male thread,  
wrought iron, galvanised



Article No.	Dimension	Bag	Box
12334250V	3/4 x 250	5	30
12334300V	3/4 x 300	5	50
123140V	1 x 40	10	80
123160V	1 x 60	10	80
123180V	1 x 80	10	50
1231100V	1 x 100	10	40
1231120V	1 x 120	5	40
1231150V	1 x 150	5	30
1231180V	1 x 180	5	20
1231200V	1 x 200	5	20
1231250VA	1 x 250	5	20
1231300V	1 x 300	5	30
12311440V	1 1/4 x 40	5	60
12311460V	1 1/4 x 60	5	40
12311480V	1 1/4 x 80	5	35
123114100V	1 1/4 x 100	o.r.	20
123114120V	1 1/4 x 120	o.r.	20
123114150V	1 1/4 x 150	o.r.	20
123114180V	1 1/4 x 180	o.r.	15
123114200V	1 1/4 x 200	o.r.	15
123114300V	1 1/4 x 300	o.r.	18
12311240V	1 1/2 x 40	o.r.	50
12311260V	1 1/2 x 60	o.r.	30
12311280V	1 1/2 x 80	o.r.	20
123112100V	1 1/2 x 100	o.r.	20
123112120V	1 1/2 x 120	o.r.	20
123112150V	1 1/2 x 150	o.r.	15
123112180V	1 1/2 x 180	o.r.	15
123112200V	1 1/2 x 200	o.r.	12
123112300V	1 1/2 x 300	o.r.	15
123240V	2 x 40	o.r.	36
123260V	2 x 60	o.r.	24
123280V	2 x 80	o.r.	16
1232100V	2 x 100	o.r.	12
1232120V	2 x 120	o.r.	12
1232150V	2 x 150	o.r.	12
1232180V	2 x 180	o.r.	8
1232200V	2 x 200	o.r.	6
1232300V	2 x 300	o.r.	8
123212100V	2 1/2 x 100	o.r.	6
123212150V	2 1/2 x 150	o.r.	6
123212180V	2 1/2 x 180	o.r.	3
123212200V	2 1/2 x 200	o.r.	4
1233100V	3 x 100	o.r.	5
1233200V	3 x 200	o.r.	2

# FITTINGS FOR BRAZING

## Copper



### AREAS OF APPLICATION

- | Drinking water
- | Heating
- | Gas and oil
- | Solar systems
- | Rainwater
- | Compressed air

# Fittings for brazing

## Copper

Our SA series contains copper weld elbows according to DIN 2607, torispherical heads for the pre-welding according to DIN 28011 and angle flanged wheels for pre-welding.

### Maximum permissible operating pressures for copper pipes with SANHA® fittings for welding according to EN 1254-1

Type of connection	Operating temperature [°C]	Outer pipes diameter		
		15...28 mm	35...54 mm	64...108 mm
1/8"..."4"	30	40	25	16
	65	25	16	16
	110	16	10	10

Please contact us at [uk@sanha.com](mailto:uk@sanha.com) if you have any questions for applications or conditions outside the ones shown above.

Please pay particular attention to our technical documentation and installation instructions! Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

### FEATURES

With bigger pipe dimensions, welding can sometimes be more economical than hard soldering since heat is applied specifically to the area of the weld seam for a reliable connection. With hard soldering, the whole fitting has to be heated. This can be a lengthy and time-consuming process as heat is rapidly dissipated and consequently more gas will be consumed. In addition, capillary fittings are not available for dimensions exceeding 108 mm outside diameter.

### SANHA offers the following range of fittings for welding made of copper

- Copper weld elbows according to DIN 2607, catalogue number 3k, dimensions: 35 x 1.5 mm up to 267 x 3 mm
- Torispherical heads for pre-welding according to DIN 28011, catalogue number KB, dimensions: 35 x 1.5 mm up to 267 x 3 mm
- Angle flanged wheels for pre-welding in accordance with DIN 86341, catalogue number WBS V, dimensions: 15 x 1.5 mm up to 267 x 3 mm

## Product catalogue | Fittings for brazing copper

### 3K

AUG 203

Welding bend 90°, DIN 2607



Article No.	Dimension	Bag	Box
13K892	88.9 x 2	o.r.	12

### WBS V

AUG 201

Slip-on collar according to DIN EN 1092-1 for pre-welding, copper



Article No.	Dimension	Bag	Box
1WBS3515V	35 x 1.5	o.r.	200
1WBS542V	54 x 2	o.r.	80
1WBS762V	76.1 x 2	o.r.	45
1WBS892V	88.9 x 2	o.r.	40
1WBS10825V	108.0 x 2.5	o.r.	20

### KB

AUG 202

Dished ends for pre-welding, copper

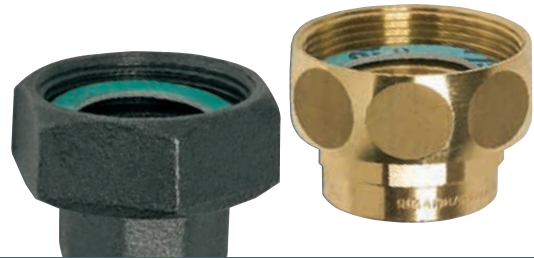


Article No.	Dimension	Bag	Box
1KB542	54 x 2	o.r.	200
1KB642	64 x 2	o.r.	150
1KB762	76.1 x 2	o.r.	100
1KB892	88.9 x 2	o.r.	80
1KB10825	108.0 x 2.5	o.r.	40



# PUMP CONNECTIONS

from cast iron and copper alloys



# PUMP CONNECTIONS

## from cast iron and copper alloys

The reliable SANHA pump connections for heating and domestic hot water pumps are made of black malleable cast iron or copper alloys. The sets comprise of two inserts and two union nuts. Depending on the application or connection technology they are available with two flat seals from WS 3280 or without seals.

All seals are asbestos-free, temperature resistant up to 200°C and tested by an internationally recognised certification body (DVGW). Pump connections are offered both with soldering sleeves, for press connections or with connecting threads according to EN 10226-1.

They are ideal for use with all pumps that have a corresponding connection thread (the internal thread of the union nuts corresponds to ISO 228). This means that SANHA pump connection fittings offer an attractive, flexible and practical solution for the installation of all domestic and heating water pumps in new buildings or for residential renovation.

### Operating conditions for SANHA® pump connection fittings

Dimensiones	Operating pressure
Water and aqueous solutions	
16 bar up to 120 °C	
Technical gases (non-toxic, non-flammable)	
16 bar	
Gases inflamables (DVGW G 260)	
16 bar	
Pipe thread	R/Rp thread according to EN 10226
Mounting thread (ÜWM)	G-thread according to ISO 228

For other applications, please contact our Technical Application Support at +49 2054 925 170 or [technik@sanha.com](mailto:technik@sanha.com).

Please pay particular attention to our technical documentation and installation instructions! Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

### FEATURES

#### Mounting

- Quick and safe assembly. Thanks to the pipe thread according to EN 10226 or the internal thread ISO 7/1 type R and Rp and the wrench flats, the couplings ensure particularly user-friendly and simple assembly.

#### Proven material, high flexibility

#### Black cast iron and copper alloy fittings

- provide maximum flexibility for the installation of domestic and heating water pumps.

#### Material thickness

- provides for "vandal security"

#### Extensive portfolio

- from 1/2" to 1 1/4"



## Product catalogue | Pump connections from cast iron and copper alloys

### 910SW

AUG 303

Pump connection, malleable cast iron, for heat pumps, each set comprises: 2 inserts with female thread according to DIN EN 10226-1, black, 2 cap nuts, 2 seals up to 200 °C, DVGW tested (asbestos-free)



Article No.	Dimension	Bag	Box
391034114S	3/4 x 1 1/4	1	60
39101112S	1 x 1 1/2	1	30
39101142S	1 1/4 x 2	1	25

### 920SW

AUG 303

Pump connection, malleable cast iron, for heat pumps, each set comprises: 2 inserts with female thread according to DIN EN 10226-1, black, 2 cap nuts, without sealing



Article No.	Dimension	Bag	Box
392034114S	3/4 x 1 1/4	1	60
39201112S	1 x 1 1/2	1	30
39201142S	1 1/4 x 2	1	20

### 926SW

AUG 303

Pump connection, malleable cast iron, for heat pumps, each set comprises: 2 inserts with male thread according to DIN EN 10226-1, black, 2 cap nuts, 2 seals up to 200 °C, DVGW tested (asbestos-free)



Article No.	Dimension	Bag	Box
39261112S	1 x 1 1/2	1	30
39261142S	1 1/4 x 2	1	15

### 925SW

AUG 303

Pump connection, malleable cast iron, for heat pumps, each set comprises: 2 inserts with male thread according to DIN EN 10226-1, black, 2 cap nuts, without sealing



Article No.	Dimension	Bag	Box
39251112S	1 x 1 1/2	1	25
39251142S	1 1/4 x 2	1	16

### 928SW

AUG 303

Cap nuts, malleable cast iron, for heat pumps, each set comprises: 2 cap nuts, 2 seals up to 200 °C, DVGW tested (asbestos-free)



Article No.	Dimension	Bag	Box
39281112S	1 x 1 1/2	1	50

### 927SW

AUG 303

Cap nuts, malleable cast iron, for heat pumps, each set comprises: 2 cap nuts, without sealing



Article No.	Dimension	Bag	Box
39271112S	1 x 1 1/2	1	35
39271142S	1 1/4 x 2	1	40

### 930

AUG 301

Pump connection, red brass, for process water pumps, each set comprises: 2 red brass inserts with soldering sleeve, 2 cap nuts, 2 seals up to 200 °C, DVGW tested (asbestos-free)



Article No.	Dimension	Bag	Box
39301534	15 x 3/4	1	100
39301834	18 x 3/4	1	100
3930221	22 x 1	1	75
393022112	22 x 1 1/2	1	40
393028114	28 x 1 1/4	1	50

### 940

AUG 301

Pump connection, red brass, for process water pumps, each set comprises: 2 red brass inserts with soldering sleeve, 2 cap nuts, without sealing



Article No.	Dimension	Bag	Box
39401534	15 x 3/4	1	100
39401834	18 x 3/4	1	100
3940221	22 x 1	1	75
394022114	22 x 1 1/4	1	50
394022112	22 x 1 1/2	1	40
394028114	28 x 1 1/4	1	50
394028112	28 x 1 1/2	1	40

# PUMP CONNECTIONS

## Product catalogue | Pump connections from cast iron and copper alloys

### 942

AUG 301

Pump connection, red brass, for process water pumps, each set comprises: 2 red brass inserts with female thread according to DIN EN 10226-1, 2 brass cap nuts, 2 seals up to 200 °C, DVGW tested (asbestos-free)



Article No.	Dimension	Bag	Box
3942121	1/2 x 1	1	60
394234114	3/4 x 1 1/4	1	50
39421112	1 x 1 1/2	1	30
39421142	1 1/4 x 2	1	20

### 941

AUG 301

Pump connection, red brass, for process water pumps, each set comprises: 2 red brass inserts with soldering sleeve, 2 cap nuts, without sealing



Article No.	Dimension	Bag	Box
3941121	1/2 x 1	1	60
394134114	3/4 x 1 1/4	1	50
39411112	1 x 1 1/2	1	30
39411142	1 1/4 x 2	1	20

### 946

AUG 301

Pump connection, red brass, for process water pumps, each set comprises: 2 red brass inserts with male thread according to DIN EN 10226-1, 2 brass cap nuts, 2 seals up to 200 °C, DVGW tested (asbestos-free)



Article No.	Dimension	Bag	Box
3946341	3/4 x 1	1	50
39461114	1 x 1 1/4	1	40

### 945

AUG 301

Pump connection, red brass, for process water pumps, each set comprises: 2 red brass inserts with male thread according to DIN EN 10226-1, 2 brass cap nuts, without sealing



Article No.	Dimension	Bag	Box
3945341	3/4 x 1	1	50
39451114	1 x 1 1/4	1	40
3945114112	1 1/4 x 1 1/2	1	20

### 950

AUG 302

Pump connection, brass, for process water pumps, each set comprises: 2 inserts with soldering sleeve and male thread according to DIN EN 10226-1, 2 brass cap nuts, 2 seals up to 200 °C, DVGW tested (asbestos-free)



Article No.	Dimension	Bag	Box
395012151	1/2 x 15 x 1	1	40
39501215114	1/2 x 15 x 1 1/4	1	35
3950128112	1 x 28 x 1 1/2	1	25
3950114352	1 1/4 x 35 x 2	1	15

### 960

AUG 302

Pump connection, brass, for process water pumps, each set comprises: 2 inserts with soldering sleeve and male thread according to DIN EN 10226-1, 2 brass cap nuts, without sealing



Article No.	Dimension	Bag	Box
396012151	1/2 x 15 x 1	1	50
39601215114	1/2 x 15 x 1 1/4	1	40
3960128112	1 x 28 x 1 1/2	1	25
3960114352	1 1/4 x 35 x 2	1	15

## Product catalogue | Pump connections from cast iron and copper alloys

### 970

AUG 301

SANHA® Press Pump connection for copper alloy press connections, DVGW tested , for heating and process water pumps, each set comprises: 2 copper alloy inserts with SANHA pressing profile,, 2 brass cap nuts,, 2 seals (WS 3820) up to 200 °C, DVGW tested (asbestos-free)



Article No.	Dimension	Bag	Box
39701534	15 x 3/4	1	100

### 971

AUG 301

SANHA® Press Unions tested Pump connection for copper alloy press connections, DVGW tested , for heating and process water pumps, each set comprises: 2 copper alloy inserts with SANHA pressing profile, 2 brass cap nuts, without sealings



Article No.	Dimension	Bag	Box
3971151	15 x 1	1	60
397122112	22 x 1 1/2	1	30



# MOUNTING



## Pipe clamps and pipe clips

# Pipe clamps and pipe clips

For safe and proper mounting of installations, SANHA offers a wide range of practical pipe clips and pipe clamps. Pipe clamps and clips are available both in stainless steel and in brass. In addition, an assembly rail for the easy and fast installation of MultiFit®-FLEX and MultiFit®-PEX pipes and a universal insulation plate for the mounting of wall plates is also available.

Please pay particular attention to our technical documentation and installation instructions!  
Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

## Product catalogue | Pipe clamps and pipe clips

### 9830C

AUG 504

Upper pipe clip for copper pipe

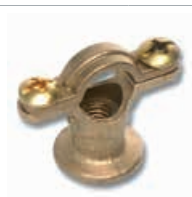


Article No.	Dimension	Bag	Box
798301216	12-16	25	2500
7983028	28	25	1000

### 4826C

AUG 502

Brass bracket



Article No.	Dimension	Bag	Box
1482610	10	10	500
1482612	12	10	400

### 9826C

AUG 504

Pipe clip for copper pipe, single, with threaded brass bushing



Article No.	Dimension	Bag	Box
798268	8	25	4500
7982612	12	25	2500
7982622	22	25	1250
7982628	28	25	700
7982635	35	25	600
7982642	42	25	500

### 9827C

AUG 504

Pipe clip for copper pipe, double, with threaded brass bushing



Article No.	Dimension	Bag	Box
798278	8	25	2400
7982728	28	25	250

### 9828C

AUG 504

Pipe clip for copper pipe, single



Article No.	Dimension	Bag	Box
79828810	8-10	25	4000
798281822	18-22	25	1200
7982828	28	25	700
7982835	35	25	600
7982842	42	25	500

### 9829C

AUG 504

Pipe clip for copper pipe, double



Article No.	Dimension	Bag	Box
79829810	8-10	25	1250
798291822	18-22	25	750
7982928	28	25	500





# FLANGES



Press, solder and threaded flanges

# FLANGES

## Press, solder and threaded flanges

High quality SANHA flanges for nearly all connection technologies offer installers great flexibility for the practical and connection of (depending on the material) heating, closed cooling circuits or compressed air systems up to oil pressure class 5. SANHA flanges are available in stainless steel, material numbers 1.4404 and 1.4301, carbon steel (material number 1.0034), copper as well as lead-free silicon bronze CuSi for completely lead-free drinking water installations. Apart from PN 10/16 flanges, SANHA offers PN 6 flanges (both comply fully with EN 1092). SANHA PN 10/16 flanges up to a diameter of 88.9 mm can also be used for PN 40.

### Areas of application and operating conditions

Due to the different materials, type of connections and applications of the flanges, please take the operating conditions and area of applications from the appropriate series:

NiroSan®	Chapter 01
NiroSan® Gas	Chapter 02
NiroSan® Industry	Chapter 03
NiroSan® SF	Chapter 04
NiroTherm®	Chapter 05
NiroTherm® Industry	Chapter 06
PURAPRESS®	Chapter 07
SANHA®-Press Gas	Chapter 09
SANHA®-Heavy Steel Press	Chapter 12
SANHA®-Heavy Steel Press Gas	Chapter 13
SANHA®-Therm	Chapter 14
Solder fittings 4000/5000	Chapter 23/24
PURAFIT®	Chapter 27

Please pay particular attention to our technical documentation and installation instructions!  
Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at [uk@sanha.com](mailto:uk@sanha.com) or 01628 819245.

### FEATURES

- Quality criterion combipress for all press connections
- Direct connection of wash basins, pumps and other applications up to PN 6
- Production in our own factories
- Full quality control
- Greater safety during installation and function
- Greater flexibility for use and price
- Can be used with SANHA®-Therm and SANHA®-Therm DZ system pipes

## Product catalogue | Flanges\*

### RG-FL

AUG 251

Bronze loose flanges



Article No.	Dimension	Bag	Box
1RGFL32	32	o.r.	16
1RGFL40	40	o.r.	15
1RGFL50	50	o.r.	9
1RGFL65	65	o.r.	9
1RGFL80	80	o.r.	8
1RGFL100	100	o.r.	8

### RG-GF

AUG 251

Bronze threaded flanges



Article No.	Dimension	Bag	Box
1RGGF20	DN 20 / G 3/4	o.r.	18
1RGGF25	DN 25 / G 1	o.r.	16
1RGGF32	DN 32 / G 1 1/4	o.r.	9
1RGGF50	DN 50 / 2	o.r.	6
1RGGF65	DN 65 / G 2 1/2	o.r.	4
1RGGF80	DN 80 / G 3	o.r.	7
1RGGF100	DN 100 / G 4	o.r.	5

### RG-LF

AUG 251

Bronze plate flanges for brazing



Article No.	Dimension	Bag	Box
1RGLF35	DN 32 / 35 mm	o.r.	14
1RGLF42	DN 40 / 42 mm	o.r.	12
1RGLF54	DN 50 / 54 mm	o.r.	7
1RGLF76	DN 65 / 76.1 mm	o.r.	6
1RGLF89	DN 80 / 88.9 mm	o.r.	10
1RGLF108	DN 100 / 108.0 mm	o.r.	6

\* Please note that the conditions depend on the respective AUG









responsible  
sustainable  
fair.

## With safety on your side

### SANHA offers genuine advantages



As a family enterprise for over 50 years we have been observing a simple principle: every pipe and every fitting must give the customer added value in terms of safety and practical use at a fair price. This is our mission and, at the same time, the best recommendation from our satisfied customers.

As a specialist for piping systems we offer a unique breadth and depth of products for all of the usual connection techniques and applications from a one stop shop. Tried and tested installation techniques are as much a part of our program as practice-oriented innovations.

**And that's why: SANHA. Always a perfect fit.**

#### Your advantages:

**Experience & Service** Our customers are central to all our activities. As a family enterprise, SANHA highly values an active close and long-term relationship with all our partners, be they planners, installers, contractors or wholesalers. With vast experience since 1964, we are committed to close support of our customers with piping system solutions and services.

**Always a perfect fit** SANHA offers a wide range of materials, dimensions and connection methods as well as piping systems from our own European production facilities.

**Nationwide technical service** SANHA is pleased to offer a wide range of services from installation training, technical online and on-site seminars, design advice, specifications and on site support when required, including BIM data.

**For what is yet to come** With an active CSR and sustainability strategy, we strive to protect the climate and the environment, promote sports and culture, be respectful with our employees and partners and actively promote a diverse and creative internal and external culture.

