

SANHA®-Therm
SANHA®-Therm Industry

SANHA
a perfect fit

pressable with V,
M and SA-profile



Press systems in carbon steel

System fittings in carbon steel for closed circuits with tool compatibility
Leak path feature and push & stay function

SANHA®-Therm | SANHA®-Therm Industry

efficient – reliable – practice-oriented

SANHA's focus is on the installer.

This is why our products meet the stringent demands of the modern construction site:

Tool compatibility! To avoid difficulties during installation, all our products are designed in such a way as to ensure perfect tool compatibility. This means that you can work fast, reliably and professionally with your existing tools and minimise installation errors.

Efficiency! Carbon steel is an ideal material for closed circuits, such as heating, solar and fire extinguishing systems, as well as for compressed air and cooling system applications. Economical solutions can be achieved with the combination of the various pipes and the factory fitted high-temperature FKM sealing ring.

Practically driven! SANHA®-Therm pipes are also offered in a 3-m version to facilitate transport and on site handling.

SANHA®-Therm [Series 24000]

SANHA®-Therm Industry [Series 28000]



Operating conditions for SANHA®-Therm press fittings in galvanized carbon steel

Pipe outside diameter	Operating pressure
Water and aqueous solutions	
d ≤ 108 mm	16 bar
Techn. gases (non-toxic, non-flammable)	
d ≤ 108 mm	16 bar
SANHA® Therm	Operating temperature
SANHA®-Therm with black EPDM sealing ring	-30°C – +120 °C
SANHA®-Therm Industry with red FKM sealing ring	-20°C – +200 °C (depending on the medium)
Type of thread: pipe thread: R/Rp-thread according to EN 10226, fastening thread (union nut): G-thread according to ISO 228	

Suitable for many applications

The SANHA®-Therm system fittings are factory inserted with black EPDM sealing rings and the SANHA®-Therm Industry system fittings with red FKM sealing rings, for several media and temperatures, and are clearly marked accordingly. Due to the particularly broad product range and the various carbon steel pipes, this system can be used for many applications:

■ Heating – closed circuits
(no DZ-pipes)

■ Solar systems

■ Cooling circuits*



■ Compressed air

(not oil-free with SANHA-Therm Industry) ● ●

■ Fire extinguishing systems (with DZ-pipes) ●

SANHA®-Therm ● SANHA®-Therm Industry ●

Please observe the technical documentation and installation instructions.

*Please contact our technical application support for further details.

For increased requirements of corrosion protection – for example for installation within or under the screed – an appropriate protective layer is required. Closed-cell insulation material or aluminium-covered mineral fibre insulation are frequently used. NiroSan® stainless steel pipes and fittings are also a practical and, in combination with NiroTherm® tubes, very economical alternative in high corrosion risk areas.

SANHA®-Therm installation pipes

SANHA®-Therm (Series 24000 and 24500)

Installation pipes, galvanized on the outside, in rods of 3 and 6 meters:

Longitudinally welded, pressure tight, thin-walled, galvanized precision steel pipes made of unalloyed steel E195 (RST 34-2) with material no. 1.0034, according to EN 10305-3, condition on delivery +CR1.

SANHA®-Therm DZ (Series 24000-DZ)

Installation pipes, galvanized on the inside and outside, in rods of 6 meters:

Longitudinally welded, thin-walled precision steel pipes made of unalloyed steel. The pipes are manufactured from continuously galvanized steel process according to EN 10346. The strip material is proven to be an E195 (RST 34-2) with the material no. 1.0034, according to EN 10305-3, condition on delivery +CR2. After the strip zinc-coating, it is an E195, +CR2 S4, Z275 MBO material.

Available in the dimensions 22 to 108 mm (sprinkler portfolio 24000# series).

SANHA®-Therm Contiflo (Series 24000# and 24500#)

Installation pipes Contiflo, galvanized, in rods of 6 and 3 meters:

thin-walled hot-dip galvanized steel pipes in unalloyed steel E195 with the material no. 1.0034 according to EN 10305-3, which allow deformation processing; invisible weld seam; clean, dry and oil/grease-free surface.



SANHA®-Therm | SANHA®-Therm Industry product range

All fittings at a glance



24001 A

90° bend,
female end/male plain end

Article No.	Dimensions
124001A12	12
124001A15	15
124001A18	18
124001A22	22
124001A28	28
124001A35	35
124001A42	42
124001A54	54
124001A67	67
124001A76	76,1
124001A89	88,9
124001A108	108,0



24002 G

90° bend, female end
and female thread

Article No.	Dimensions
124002G2234	22 x ¾
124002G2812	28 x ½
124002G281	28 x 1
124002G3512	35 x ½
124002G35114	35 x 1¼
124002G42112	42 x 1½
124002G542	54 x 2



24040

45° bend, female end/male
plain end

Article No.	Dimensions
12404012	12
12404015	15
12404018	18
12404022	22
12404028	28
12404035	35
12404042	42
12404054	54
12404067	67
12404076	76,1
12404089	88,9
124040108	108,0



24041

45° bend,
female/female end

Article No.	Dimensions
12404112	12
12404115	15
12404118	18
12404122	22
12404128	28
12404135	35
12404142	42
12404154	54
12404167	67
12404176	76,1
12404189	88,9
124041108	108,0



24180

SANHA-Therm Cross, for
mixture-free crossing
of pipes at the same level,
chromium-plated

Article No.	Dimensions
1241801512	15 x 12
12418015	15
1241801812	18 x 12
1241801815	18 x 15
1241802212	22 x 12
1241802215	22 x 15



24002 A

90° bend,
female/female end

Article No.	Dimensions
124002A12	12
124002A15	15
124002A18	18
124002A22	22
124002A28	28
124002A35	35
124002A42	42
124002A54	54
124002A67	67
124002A76	76,1
124002A89	88,9
124002A108	108,0



24580

SANHA-Therm Cross tee, with 50 mm
high insulation box, for mixture-free
crossing of pipes keeping minimum
installation heights

Article No.	Dimensions
124580151215	15 x 12 x 15
12458015	15
124580181218	18 x 12 x 18
124580181518	18 x 15 x 18
124580221522	22 x 15 x 22
1241812818.1	28 x 18



24085

Crossover,
female/female end

Article No.	Dimensions
12408515	15
12408518	18
12408522	22
12408528	28



24003

90° bend,
male plain ends

Article No.	Dimensions
12400315	15
12400318	18
12400322	22
12400328	28
12400335	35
12400342	42
12400354	54



24181.1

Cross distributor,
two planes

Article No.	Dimensions
12418115.1	15
1241811815.1	18 x 15
1241812215.1	22 x 15
1241812218.1	22 x 18
1241812815.1	28 x 15
1241812818.1	28 x 18



24580.1

SANHA-Therm Cross tee, for
mixture-free crossing of pipes
keeping minimum installation heights
(without insulation box)

Article No.	Dimensions
1245801151215	15 x 12 x 15
124580115	15
124580181218	18 x 12 x 18
124580181518	18 x 15 x 18
1245801221522	22 x 15 x 22
1245801221822	22 x 18 x 22



24086

Crossover, female end/male
plain end

Article No.	Dimensions
12408612	12
12408615	15
12408618	18
12408622	22
12408628	28



24087

Crossover,
male/male plain end

Article No.	Dimensions
12408718	18
12408722	22
12408728	28





24090 G

Elbow 90°, female end and female thread

Article No.	Dimensions
124090G1238	12 x 3/8
124090G1512	15 x 1/2
124090G1812	18 x 1/2
124090G2234	22 x 3/4
124090G281	28 x 1
124090G35114	35 x 1 1/4
124090G42112	42 x 1 1/2
124090G542	54 x 2



24092 G

Elbow 90°, female end and male thread

Article No.	Dimensions
124092G1238	12 x 3/8
124092G1538	15 x 3/8
124092G1512	15 x 1/2
124092G1812	18 x 1/2
124092G2234	22 x 3/4
124092G281	28 x 1
124092G35114	35 x 1 1/4
124092G42112	42 x 1 1/2
124092G542	54 x 2



24130

Tee, female ends

Article No.	Dimensions
12413012	12
12413015	15
12413018	18
12413022	22
12413028	28
12413035	35
12413042	42
12413054	54
12413067	67
12413076	76,1
12413089	88,9
124130108	108,0
124130121512	12 x 15 x 12
124130151215	15 x 12 x 15
124130151815	15 x 18 x 15
124130152215	15 x 22 x 15
124130181515	18 x 15 x 15
124130181518	18 x 15 x 18
124130181815	18 x 18 x 15
124130182218	18 x 22 x 18
124130221222	22 x 12 x 22
124130221515	22 x 15 x 15
124130221518	22 x 15 x 18
124130221522	22 x 15 x 22
124130221818	22 x 18 x 18
124130221822	22 x 18 x 22
124130222215	22 x 22 x 15
124130222218	22 x 22 x 18
124130222822	22 x 28 x 22
124130281522	28 x 15 x 22
124130281528	28 x 15 x 28
124130281822	28 x 18 x 22
124130281828	28 x 18 x 28
124130282222	28 x 22 x 22
124130282228	28 x 22 x 28
124130282815	28 x 28 x 15
124130282818	28 x 28 x 18
124130282822	28 x 28 x 22
124130283528	28 x 35 x 28
124130351535	35 x 15 x 35
124130351835	35 x 18 x 35
124130352222	35 x 22 x 22
124130352228	35 x 22 x 28
124130352235	35 x 22 x 35
124130352828	35 x 28 x 28
124130352835	35 x 28 x 35
124130353522	35 x 35 x 22
124130353528	35 x 35 x 28
124130421542	42 x 15 x 42

24130

continued

Article No.	Dimensions
124130422242	42 x 22 x 42
124130422842	42 x 28 x 42
124130423535	42 x 35 x 35
124130423542	42 x 35 x 42
124130542254	54 x 22 x 54
124130542854	54 x 28 x 54
124130543554	54 x 35 x 54
124130544254	54 x 42 x 54
124130672867	67 x 28 x 67
124130673567	67 x 35 x 67
124130674267	67 x 42 x 67
124130675467	67 x 54 x 67
124130762276	76,1 x 22 x 76,1
124130762876	76,1 x 28 x 76,1
124130763576	76,1 x 35 x 76,1
124130764276	76,1 x 42 x 76,1
124130765476	76,1 x 54 x 76,1
124130766776	76,1 x 67 x 76,1
124130895489	88,9 x 54 x 88,9
124130897689	88,9 x 76,1 x 88,9
12413010854108	108,0 x 54 x 108,0
12413010867108	108,0 x 67 x 108,0
12413010876108	108,0 x 76,1 x 108,0
12413010889108	108,0 x 88,9 x 108,0



24130 G

Tee, female/female end and female thread

Article No.	Dimensions
124130G1212	12 x 1/2 x 12
124130G1512	15 x 1/2 x 15
124130G1812	18 x 1/2 x 18
124130G2212	22 x 1/2 x 22
124130G2234	22 x 3/4 x 22
124130G2812	28 x 1/2 x 28
124130G2834	28 x 3/4 x 28
124130G281	28 x 1 x 28
124130G3512	35 x 1/2 x 35
124130G3534	35 x 3/4 x 35
124130G351	35 x 1 x 35
124130G4212	42 x 1/2 x 42
124130G4234	42 x 3/4 x 42
124130G5412	54 x 1/2 x 54
124130G7634	76,1 x 3/4 x 76,1
124130G8934	88,9 x 3/4 x 88,9
124130G10834	108,0 x 3/4 x 108,0



24270

Coupling, female/female end

Article No.	Dimensions
12427012	12
12427015	15
12427018	18
12427022	22
12427028	28
12427035	35
12427042	42
12427054	54
12427067	67
12427076	76,1
12427089	88,9
124270108	108,0



24270 S

Slip coupling, female/female end

Article No.	Dimensions
124270S12	12
124270S15	15
124270S18	18
124270S22	22
124270S28	28
124270S35	35
124270S42	42
124270S54	54
124270S67	67
124270S76	76,1
124270S89	88,9
124270S108	108,0



24130 L

Tee, long, female ends

Article No.	Dimensions
124130L15	15

More information in our complete catalogue or at www.sanha.com



- SANHA®-Therm Industry system is available with unique article numbers

SANHA®-Therm | SANHA®-Therm Industry product range

All fittings at a glance



24240

Reducing coupling, female/female end

Article No.	Dimensions
1242401512	15 x 12
1242401812	18 x 12
1242401815	18 x 15
1242402215	22 x 15
1242402218	22 x 18
1242402815	28 x 15
1242402818	28 x 18
1242402822	28 x 22
1242403522	35 x 22
1242403528	35 x 28
1242404222	42 x 22
1242404228	42 x 28
1242404235	42 x 35
1242405428	54 x 28
1242405435	54 x 35
1242405442	54 x 42



24243

Fitting reducer, with female and male plain end

Article No.	Dimensions
1242431512	15a x 12
1242431812	18a x 12
1242431815	18a x 15
1242432215	22a x 15
1242432218	22a x 18
1242432815	28a x 15
1242432818	28a x 18
1242432822	28a x 22
1242433522	35a x 22
1242433528	35a x 28
1242434222	42a x 22
1242434228	42a x 28
1242434235	42a x 35
1242435435	54a x 35
1242435442	54a x 42
1242436728	67a x 28
1242436735	67a x 35
1242436742	67a x 42
1242436754	67a x 54
1242437635	76,1a x 35
1242437642	76,1a x 42
1242437654	76,1a x 54
1242437667	76,1a x 67
1242438954	88,9a x 54
1242438976	88,9a x 76,1
12424310842	108,0a x 42
12424310854	108,0a x 54
12424310867	108,0a x 67
12424310876	108,0a x 76,1
12424310889	108,0a x 88,9



24270 G

Transition coupling, with female end and female thread

Article No.	Dimensions
124270G1212	12 x 1/2
124270G1512	15 x 1/2
124270G1812	18 x 1/2
124270G1834	18 x 3/4
124270G2212	22 x 1/2
124270G2234	22 x 3/4
124270G221	22 x 1
124270G2812	28 x 1/2
124270G2834	28 x 3/4
124270G281	28 x 1
124270G28114	28 x 1 1/4
124270G351	35 x 1
124270G35114	35 x 1 1/4
124270G35112	35 x 1 1/2
124270G42114	42 x 1 1/4
124270G42112	42 x 1 1/2
124270G54112	54 x 1 1/2
124270G542	54 x 2
124270G67212	67 x 2 1/2
124270G76212	76 x 2 1/2
124270G893	88,9 x 3



24246 G

Transition element (coupling/nipple), with male plain end and female thread

Article No.	Dimensions
124246G1212	12a x 1/2
124246G1512	15a x 1/2
124246G1812	18a x 1/2
124246G1834	18a x 3/4
124246G2212	22a x 1/2
124246G2234	22a x 3/4



24243 G

Transition nipple, with female end and male thread

Article No.	Dimensions
124243G1238	12 x 3/8
124243G1538	15 x 3/8
124243G1512	15 x 1/2
124243G1812	18 x 1/2
124243G1834	18 x 3/4
124243G2212	22 x 1/2
124243G2234	22 x 3/4
124243G221	22 x 1
124243G2834	28 x 3/4
124243G281	28 x 1
124243G28114	28 x 1 1/4
124243G351	35 x 1
124243G35114	35 x 1 1/4
124243G42112	42 x 1 1/2
124243G542	54 x 2
124243G67212	67 x 2 1/2
124243G76212	76,1 x 2 1/2
124243G763	76,1 x 3
124243G893	88,9 x 3
124243G1084	108,0 x 4



24250

Transition nipple, with male plain end and groove for tube coupling

Article No.	Dimensions
12425028337	28 x 33,7
12425035424	35 x 42,4
12425042483	42 x 48,3
12425054603	54 x 60,3
124250761761	76,1 x 76,1
124250889889	88,9 x 88,9
124250108114	108 x 114



24301

Cap, female end

Article No.	Dimensions
12430112	12
12430115	15
12430118	18
12430122	22
12430128	28
12430135	35
12430142	42
12430154	54
12430167	67
12430176	76,1
12430189	88,9
124301108	108,0



24359 G

Union adapter, flat sealing, female end

Article No.	Dimensions
124359G1534	15 x 3/4
124359G1834	18 x 3/4
124359G181	18 x 1
124359G2234	22 x 3/4
124359G221	22 x 1
124359G22114	22 x 1 1/4
124359G28114	28 x 1 1/4
124359G28112	28 x 1 1/2
124359G35112	35 x 1 1/2
124359G352	35 x 2
124359G42134	42 x 1 3/4
124359G422	42 x 2
124359G54238	54 x 2 3/8
124359G763	76,1 x 3
124359G89312	88,9 x 3 1/2



24330

Union, flat sealing, female/female end

Article No.	Dimensions
12433015	15
12433018	18
12433022	22
12433028	28
12433035	35
12433042	42
12433054	54



System pipes in carbon steel

24333 G

Union, flat sealing, with female end and male thread

Article No.	Dimensions
124333G1512	15 x 1/2
124333G1812	18 x 1/2
124333G2234	22 x 3/4
124333G221	22 x 1
124333G281	28 x 1
124333G35114	35 x 1 1/4
124333G42112	42 x 1 1/2
124333G542	54 x 2

24582

Twin pipe crossover tee

Article No.	Dimensions
1245821212	12 x 12 x 500 mm
1245821512	15 x 12 x 500 mm
1245821515	15 x 15 x 500 mm
1245821812	18 x 12 x 500 mm
1245821815	18 x 15 x 500 mm
1245822212	22 x 12 x 500 mm
1245822215	22 x 15 x 500 mm
1245822815	28 x 15 x 500 mm

24000

System pipe, carbon steel 1.0034, in 6 m rods, for heating, compressed air and closed cooling systems

Article No.	Dimensions
12400012	12 x 1,2
12400015	15 x 1,2
12400018	18 x 1,2
12400022	22 x 1,5
12400028	28 x 1,5
12400035	35 x 1,5
12400042	42 x 1,5
12400054	54 x 1,5
12400067	67 x 1,5
12400076	76,1 x 2,0
12400089	88,9 x 2,0
12310063	108,0 x 2,0

24500

System pipe, carbon steel 1.0034, in 3 m rods, for heating, compressed air and closed cooling systems)

Article No.	Dimensions
12450012	12 x 1,2
12450015	15 x 1,2
12450018	18 x 1,2
12450022	22 x 1,5
12450028	28 x 1,5
12450035	35 x 1,5
12450042	42 x 1,5
12450054	54 x 1,5
12450067	67 x 1,5
12450076	76,1 x 2,0
12450089	88,9 x 2,0
124500108	108,0 x 2,0

24585

Cross tee for radiators

Article No.	Dimensions
1245851212	12 x 12 x 270 mm
1245851512	15 x 12 x 270 mm

24584

Twin pipe crossover tee for pipe end

Article No.	Dimensions
1245841212	12 x 12 x 500 mm
1245841512	15 x 12 x 500 mm
1245841515	15 x 15 x 500 mm
1245841812	18 x 12 x 500 mm
1245841815	18 x 15 x 500 mm
1245842212	22 x 12 x 500 mm
1245842215	22 x 15 x 500 mm

24000

System pipe, carbon steel 1.0034 Contiflo galvanized, in 6 m rods, for heating, compressed air and cooling systems (in closed systems)

Article No.	Dimensions
12400012#	12 x 1,2
12400015#	15 x 1,2
12400018#	18 x 1,2

24000-DZ

DZ carbon steel system pipe, internally and externally zinc-coated for sprinkler, compressed air and closed cooling systems, 6 m rods

Article No.	Dimensions
124000DZ22	22 x 1,5
124000DZ28	28 x 1,5
124000DZ35	35 x 1,5
124000DZ42	42 x 1,5
124000DZ54	54 x 1,5
124000DZ76	76,1 x 2,0
124000DZ89	88,9 x 2,0
124000DZ108	108,0 x 2,0

24-BM-PF

Bi-metallic crimping flange PN 10/16

Article No.	Dimensions
124BMPF42	DN 40 / 42 mm
124BMPF54	DN 50 / 54 mm
124BMPF67	DN -- / 66,7 mm
124BMPF76	DN 65 / 76,1 mm
124BMPF76_DN80	DN 80 / 76,1 mm
124BMPF89	DN 80 / 88,9 mm
124BMPF108	DN 100 / 108,0 mm

24583

Cross tee

Article No.	Dimensions
1245831512	15 x 12 x 280 mm
1245831515	15 x 15 x 280 mm
1245831812	18 x 12 x 280 mm
1245831815	18 x 15 x 280 mm
1245832212	22 x 12 x 280 mm
1245832215	22 x 15 x 280 mm
1245832815	28 x 15 x 280 mm

SANHA recommendation:

When installed in a screed or in humid ambient conditions, the carbon steel installation system may only be used if it can be assured, through practical measures, that there will be no long term exposure to humidity or moisture.

If this cannot be guaranteed we recommend the use of our stainless steel system pipes, NiroTherm® in combination with our proven stainless steel press fittings from the NiroSan® series as economic alternative to extensive protective insulation according to AGI worksheet Q 151.

More information in our complete catalogue or at www.sanha.com



- SANHA®-Therm Industry system is available with unique article numbers

With safety on your side

SANHA offers genuine advantages

As a family enterprise for 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 pipeline 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:

- 1 Full tool compatibility**
Throughout the industry, SANHA system fittings are the only ones that can be pressed with all the usual original press profiles – with a full guarantee. You gain security by ruling out errors, thus saving time and money.
- 2 Large product range**
SANHA offers a wide material, product and dimension range, multiple connection methods, with significant expertise and experience – all from a one stop shop. SANHA, the pipeline specialist.
- 3 Guaranteed safety**
SANHA has all the important approvals, certifications and warranties, backed up by WRAS and BSI, ensuring you are always on the safe side.
- 4 Nationwide technical service**
SANHA is pleased to offer a wide range of services from installation training, technical seminars, design advice, specifications and on site support as and when required.

