

# Metal hose



CONVOLUTED  
METAL HOSES  
OF STAINLESS STEEL



# Metal Hose

## Type 4580, 4581BSA - standard



### Hose tube in AISI 316L , braid in AISI 304

4580 BSA - without braid  
4581 BSA - with one braid

#### Construction:

Parallell convoluted metal hose type 4580-4581,  
manufactured according to SS-EN ISO 10380  
of stainless strip steel rolled to a pipe, welded and hydraulically formed.

**Max temp:**  
600° C

**Burst pressure:**  
Min 4x working pressure



Metal hose with braid



Metal hose without braid

Diameter		Part no.	m.m. i.d mm	Max o.d. od m.m.	Min bending radius		Pressure at 20° C (bar)		Kg/m Weight
mm	inch				repeated motion	single motion	Max working pressure	Max test pressure	
6	1/4	4580BSA		9,6	85	25	21		0,08
		4581BSA	6,2	10,5	85	25	120	X1,5	0,14
8	5/16	4580BSA	8,2	12,1	125	32	14	x 1,5	0,09
		4581BSA		13,0	125	32	95		0,15
10	3/8	4580BSA	10,3	14,3	140	38	10	x 1,5	0,11
		4581BSA		15,5	140	38	85		0,19
12	1/2	4580BSA	12,2	16,7	140	45	7	x 1,5	0,12
		4581BSA		17,8	140	45	75		0,21
16	5/8	4580BSA	16,2	21,6	160	58	4	x 1,5	0,19
		4581BSA		23,0	160	58	80		0,41
20	3/4	4580BSA	20,2	26,8	170	70	3	x 1,5	0,26
		4581BSA		28,3	170	70	64		0,48
25	1	4580BSA	25,4	32,2	190	85	3	x 1,5	0,37
		4581BSA		33,5	190	85	50		0,65
32	1 1/4	4580BSA	34,3	41,1	260	105	2,5	x 1,5	0,41
		4581BSA		42,8	260	105	40		0,76
40	1 1/2	4580BSA	40,1	49,5	300	130	2,5	x 1,5	0,53
		4581BSA		51,2	300	130	35		1,05
50	2	4580BSA	50,3	60,3	320	160	1,6	x 1,5	0,68
		4581BSA		62,0	320	160	30		1,44
65	2 1/2	4580BSA	65,6	81,0	410	180	0,8	x 1,5	0,77
		4581BSA		83,0	410	180	24		1,69
80	3	4580BSA	80,3	95,0	450	200	0,9	x 1,5	1,04
		4581BSA		97,0	450	200	18		2,08
100	4	4580BSA	100,8	117,0	560	290	0,6	x 1,5	1,35
		4581BSA		119,0	560	290	16		2,75
125	5	4580BSA	125,4	150,0	710	325	0,6	x 1,5	2,75
		4581BSA		152,5	710	325	14		4,93
150	6	4580BSA	150,8	175,0	815	380	0,4	x 1,5	2,97
		4581BSA		177,5	815	380	10		5,84
200	8	4580BSA	197	225,0	1015	500	0,1	x 1,5	4,94
		4581BSA		228,0	1015	500	8		8,76
250	10	4580BSA	250,4	278,0	1270	620	0,1	x 1,5	7,15
		4581BSA		281,0	1270	620	7,5		13,75
300	12	4580BSA	300,2	336,0	1525	725	0,1	x 1,5	10,80
		4581BSA		339,0	1525	725	6		18,20

## Fixed nipple with external threads



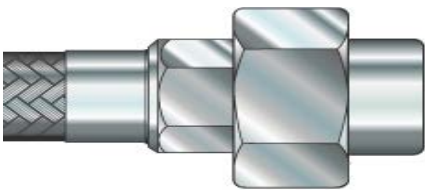
Part number	Material
16015	Steel
16012	Brass
16017	Stainless steel

## Fitting with rolling nut and a conical 60 degree conus



Part number	Material
16035	Steel
16037	Stainless steel

## Three part internal threaded union fitting with conical sealing



Part number	Material
16055	Steel
16050	Annealed casting
16057	Stainless steel
16052	Brass

## Three part external threaded union fitting with conical sealing



Part number	Material
16060	Annealed casting
16062	Brass
16067	Stainless steel

## Pipe nipple, with external thread



Part number	Material
16005	Steel
16007	Stainless steel

## Pipe sleeve, with internal thread



Part number	Material
16025	Steel
16027	Stainless steel

## Fitting with rolling nut and a flat sealing



Part number	Material
16095	Steel
16092	Brass
16097	Stainless steel

## Elbow -90 degree



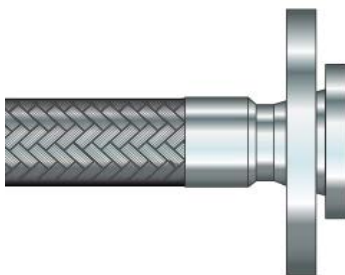
Part number	Material
33915	Steel
33912	Copper
33917	Stainless steel

## Pipe



Part number	Material
16215	Steel
16213	Copper, external soldering
16223	Copper, internal soldering
16217	Stainless steel

## Loose flange, standard PN16



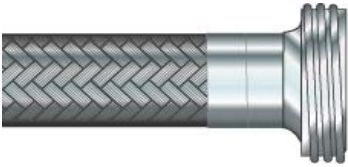
Part number	Material
16235	Steel
16237	Stainless steel
16238	Steel flange + SS collar
16239	Galvanised flange + SS collar

## Fixed flange, standard PN16



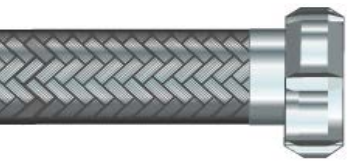
Part number	Material
16255	Steel
16257	Stainless steel

## SMS- nipple. (Dairy standard)



Part number	Material
0626	Stainless steel

## SMS- Nut ( Dairy standard)



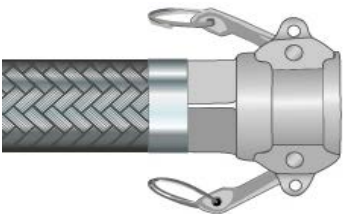
Part number	Material
0624/0623	Stainless steel

## Camlock, Male



Part number	Material
SS-Male	Stainless steel
BZ-Male	Bronz, Brass

## Camlock, Female



Part number	Material
SS-Female	Stainless steel
BZ-Female	Bronz, Brass

## Clamp, TC



Part number	Material
5628	Stainless steel

The fittings presented in this brochure are only selected choices from our fitting range. Other fittings and materials are quoted according to the customers needs.