



HOSES AND ACCESSORIES

catalog





ABRASION





CONCRETE PUMP HOSE

A specially developed hose for the industrial delivery of concrete using concrete pumps. Suitable for conveying highly abrasive media such as concrete, cement and mortar. Long service life due to abrasion-resistant core. Flexible and easy to handle with high kink resistance due to a special hose design. Easy cleaning by pumping back. Note: The hose complies with EN 12001:2010. Pressed lines on request.



- **Temperature range:** -35°C / + 80°C
- **Safety factor:** 2,3:1
- **Core:** NR/SBR/BR, black, smooth, antistatic, abrasion resistant
- **Inserts:** steel cord wound
- **Cover:** SBR, black, antistatic, fabric patterned
- **Marking:** continuous embossing:
- "Concrete delivery hose/ Concrete pump trousers WP 85 bar - SF 2:1 - DN ... Month code"

Article Number	NW	Inch	Wall Thickness (mm)	Operatind Pressure (bar)	Deposit Number	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
2017.038010	38	1 1/2"	9	85	4	280	2,50	40
2010.050011	50	2"	10	85	4	360	3,00	40
2010.065014	65	2 1/2"	11	85	4	420	3,15	40
2010.075014	75	3"	11	85	4	460	4,90	40
2010.080014	80	3 1/4"	12	85	4	480	5,30	40
2010.100014	100	4"	12	85	4	520	7,10	40
2017.110014	114	4 1/2"	13	85	4	700	8,50	40
2010.125014	125	5"	14	85	4	620	9,10	40
2016.152016	152	6"	16	85	6	900	20,00	20

Among others:
matching fittings:



Concrete pump coupling. Details page 102

TEXTIL CONCRETE PUMP HOSE

Suitable for concrete up to 16 mm grain size. Textile-reinforced concrete hose approx. 20% lighter than conventional steel hoses with six inserts according to EN 12001. Dimensionally stable and good kink resistance. On request, the hoses can be supplied with hydraulically pressed HD fittings (peeled version) and pressure tested at 120 bar.



- **Temperature range:** -35°C / + 85°C
- **Safety factor:** 2:1
- **Core:** NR/ BR, black, smooth, antistatic, abrasion resistant
- **Deposits:** Textile interlinings
- **Cover:** NR/ SBR, black, fabric patterned
- **Properties:** notch and abrasion resistant
- **Marking:** Concrete delivery hose/ Concrete pump trousers WP 85 bar SF 2:1 WS/14-Textiles

Article Number	NW	Inch	Wall Thickness (mm)	Operatind Pressure (bar)	Deposit Number	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
2018.038058	38	1 1/2"	10	85	4	250	1,65	40
2018.050070	50	2"	10	85	4	350	2,10	40
2018.065085	65	2 1/2"	11	85	6	450	2,80	40
2018.075095	75	3"	11	85	6	520	3,20	40
2018.08012	80	3 1/4"	12	85	6	560	4,39	40
2018.102013	102	4"	13	85	6	700	5,79	40
2018.127013	125	5"	14	85	6	875	8,60	40

CONCRETE PUMP COUPLINGS, hardened

We offer four different connection systems. The "Vitaulic System", which was developed to create a secure connection between two pipes or fittings without welding or flanging them. Furthermore the systems from Putzmeister (SKG), Schwing and Wibau. Standard couplings as well as NPT/ AG are available from stock. The operating pressures are 85 bar and higher.

Article Number	Nominal Size	Outer ø	
		(Inch)	mm)
2019.038038	38	-	57,0
2019.038040	38	-	48,0
2019.038050	38	2" AG	60,3
2019.050050	50	-	78,0
2019.050051	50	3" HD*	88,9
2020.050050	50	2"	60,3
2020.050065	50	2 1/2"	73,0
2020.050075	50	3"	88,9
2020.065065	65	2 1/2"	73,0
2020.065075	65	3"	88,9
2020.065075HD	65	3" HD*	88,9
2020.075075	75	3"	88,9
2020.075075HD	75	3"	88,9
2020.075080	75	3 1/4"	97,2
2020.0750NP	75	3" AG NPT	88,9
2020.080080	80	3 1/4"	97,2
2020.080080HD	80	3 1/4"	97,2
2020.080100	80	4"	114,3
2020.080125	80	4 1/2"	127,0
2020.085113	85	4 1/2"	127,0
2020.100100	100	4"	114,3
2020.100100HD	100	4" HD*	114,3
2020.100113	100	4 1/2"	127,0
2020.100113HD	100	4 1/2" HD*	127,0
2020.100138	100	5 1/2"	148
2020.100NPT	100	4" AG NPT	114,3
2020.112138	112	5 1/2"	148
2020.125125	125	5"	141,3
2020.125138	125	5 1/2"	148
2020.125138HD	125	5 1/2" HD*	148
2020.1501150	150	6" HD	168,3





CONCRETE PUMP HOSE LENGTHS ON ONE AND BOTH SIDES GROUTED WITH CONCRETE PUMP COUPLINGS



Article Number	NW	Coupling/ Inch	Operatind Pressure	Weight more or less in kg/m	Lenght/m
B0500100007315E	50	one side 2 1/2"	85	32,00	10,00
B05001100889B	50	both side 3"	85	7,60	1,10
B05001500889B	50	both side 3"	85	9,10	1,50
B05002000603B	50	both side 2"	85	18,60	5,00
B05002500889B	50	both side 3"	85	12,10	2,50
B05002500889E	50	one side 3"	85	9,80	2,50
B05003000603B	50	both side 2"	85	12,60	3,00
B05004000889B	50	both side 3"	85	16,60	4,00
B0500500002AG	50	both side 2" AG	85	18,40	5,00
B050050007315B	50	both side 2 1/2"	85	19,00	5,00
B050050007315E	50	one side 2 1/2"	85	17,00	5,00
B05005000889B	50	both side 3"	85	19,60	5,00
B05005000889E	50	one side 3"	85	17,30	5,00
B05006000889B	50	both side 3"	85	22,60	6,00
B05006500889B	50	both side 3"	85	24,10	6,50
B05010000603B	50	both side 2"	85	33,60	10,00
B05010000889B	50	both side 3"	85	34,60	10,00
B05015000603B	50	both side 2"	85	48,60	15,00
B05015000889B	50	both side 3"	85	49,60	15,00
B05020000603B	50	both side 2"	85	63,60	20,00
B05020000889B	50	both side 3"	85	64,60	20,00
B06501500889B	65	both side 3"	85	9,33	1,50
B06502000889B	65	both side 3"	85	10,90	2,00
B06502500889B	65	both side 3"	85	12,48	2,50
B06502500889BHD	65	both side 3" HD*	85	13,48	2,50
B06503000889B	65	both side 3"	85	14,05	3,00
B06503000889BHD	65	both side 3" HD*	85	15,05	3,00
B06503000889E	65	one side 3"	85	11,75	3,00
B06503000889EHD	65	one side 3" HD*	85	12,25	3,00
B06503500889BHD	65	both side 3" HD*	85	16,63	3,50
B06503500889EHD	65	one side 3" HD*	85	13,83	3,50
B06503600889B	65	both side 3"	85	15,63	3,60
B06504000889B	65	both side 3"	85	17,20	4,00
B06504000889BHD	65	both side 3" HD*	85	18,20	4,00
B06504000889E	65	one side 3"	85	15,00	4,00
B06504000889EHD	65	one side 3" HD*	85	15,40	4,00
B06504500889B	65	both side 3"	85	18,78	4,50
B06504500889BHD	65	both side 3" HD*	85	19,78	4,50

free Flow coupling

*HD: Heavy Duty / hoses will be peeled on inside

Article Number	NW	Coupling/ Inch	Operatind Pressure	Weight more or less in kg/m	Lenght/m
B06505000889B	65	both side 3"	85	20,35	5,00
B06505000889BHD	65	both side 3" HD*	85	21,35	5,00
B06505000889E	65	one side 3"	85	18,05	5,00
B06505000889EHD	65	one side 3" HD*	85	18,55	5,00
B06506000889B	65	both side 3"	85	23,50	6,00
B06507000889B	65	both side 3"	85	26,65	7,00
B06507000889E	65	one side 3"	85	24,45	7,00
B06508000889B	65	both side 3"	85	29,80	8,00
B06508000889E	65	one side 3"	85	27,50	8,00
B06510000889B	65	both side 3"	85	36,10	10,00
B06510000889BHD	65	both side 3" HD*	85	37,10	10,00
B06510000889E	65	one side 3"	85	33,80	10,00
B06510000889EHD	65	one side 3" HD*	85	34,30	10,00
B06520000889B	65	both side 3"	85	67,60	20,00
B07500026003NPT	75	both side 3" NPT	85	19,60	2,60
B07500137353NPT	75	both side 3" NPT	85	72,40	13,74
B07500200003NPT	75	both side 3" NPT	85	17,20	2,00
B0750060003NPT	75	both side 3" NPT	85	36,40	6,00
B07501000889B	75	both side 3"	85	9,60	1,00
B07501560889B	75	both side 3"	85	12,00	1,56
B07502000889B	75	both side 3"	85	14,40	2,00
B07502400889B	75	both side 3"	85	16,00	2,40
B07502500889B	75	both side 3"	85	16,80	2,50
B07502500889BHD	75	both side 3" HD*	85	17,60	2,50
B07503000889B	75	both side 3"	85	19,20	3,00
B07503000889BHD	75	both side 3" HD*	85	20,00	3,00
B07503000889E	75	one side 3"	85	16,80	3,00
B07503000889EHD	75	one side 3" HD*	85	17,20	3,00
B07503000968BHD	75	both side 3 1/4" HD*	85	21,50	3,00
B07503000968EHD	75	one side 3 1/4" HD*	85	19,00	3,00
B07503750889B	75	both side 3"	85	22,80	3,75
B07504000889B	75	both side 3"	85	24,00	4,00
B07504000889BHD	75	both side 3" HD*	85	24,80	4,00
B07504000889E	75	one side 3"	85	21,60	4,00
B07504000889EHD	75	one side 3" HD*	85	22,00	4,00
B07504000968BHD	75	both side 3 1/4" HD*	85	27,00	4,00
B07504000968EHD	75	one side 3 1/4" HD*	85	24,50	4,00
B07504500889B	75	bds. 3"	85	26,40	4,50
B07504500889E	75	one side 3"	85	24,00	4,50
B07504500968BHD	75	both side 3 1/4" HD*	85	29,75	4,50
B07505000889B	75	both side 3"	85	28,80	5,00
B07505000889BHD	75	both side 3" HD*	85	29,60	5,00
B07505000889E	75	one side 3"	85	26,40	5,00
B07505000889EHD	75	one side 3" HD*	85	26,80	5,00
B07505000968BHD	75	both side 3 1/4" HD*	85	32,50	5,00
B07505000968EHD	75	one side 3 1/4" HD*	85	29,50	5,00
B07506000889B	75	both side 3"	85	33,60	6,00
B07506000889BHD	75	both side 3" HD*	85	34,40	6,00
B07506000889E	75	one side 3"	85	31,20	6,00
B07506000889EHD	75	one side 3" HD*	85	31,60	6,00
B07507000889E	75	one side 3"	85	36,00	7,00
B07507000889EHD	75	one side 3" HD*	85	36,40	7,00
B07508000889B	75	bds. 3"	85	43,20	8,00
B07508000889E	75	one side 3"	85	40,80	8,00
B07509000889E	75	one side 3"	85	45,60	9,00
B07510000889B	75	both side 3"	85	52,80	10,00
B07510000889E	75	one side 3"	85	50,40	10,00
B07510950889B	75	both side 3"	85	57,60	10,95



CONCRETE PUMP HOSE LENGTHS ON ONE AND BOTH SIDES GROUTED WITH CONCRETE PUMP COUPLINGS

Article Number	NW	Coupling/ Inch	Operatind Pressure	Weight more or less in kg/m	Lenght/m
B08001000114B	80	both side 4"	85	9,00	1,00
B08002000114B	80	both side 4"	85	22,00	2,00
B08002500127E	80	one side 4-1/2"	85		2,50
B08002500127B	80	both side 4-1/2"	85	25,25	2,50
B08002500968B	80	both side 3-1/4"	85	25,25	2,50
B08003000127B	80	both side 4-1/2"	85	28,50	3,00
B08003000127E	80	one side 4-1/2"	85	24,00	3,00
B08003000968B	80	both side 3-1/4"	85	28,50	3,00
B08003000968E	80	one side 3-1/4"	85	24,00	3,00
B08003500968B	80	both side 3-1/4"	85	31,75	3,50
B08004000114B	80	both side 4"	85	35,00	4,00
B08004000127B	80	both side 4-1/2"	85	35,00	4,00
B08004000127E	80	one side 4-1/2"	85	31,00	4,00
B08004000968B	80	both side 3-1/4"	85	35,00	4,00
B08004000968E	80	one side 3-1/4"	85	30,50	4,00
B08004500127B	80	both side 4-1/2"	85	38,25	4,50
B08005000114B	80	both side 4"	85	41,50	5,00
B08005000127B	80	both side 4-1/2"	85	41,50	5,00
B08005000968B	80	both side 3-1/4"	85	41,50	5,00
B08005000968BHD	80	both side 3-1/4" HD*	85	41,50	5,00
B08005000968E	80	one side 4-1/2"	85	37,00	5,00
B08006000114B	80	both side 4"	85	48,00	6,00
B08006000127B	80	both side 4-1/2"	85	48,00	6,00
B08006000127E	80	one side 4-1/2"	85	43,50	6,00
B08006000968B	80	both side 3-1/4"	85	48,00	6,00
B08007000114B	80	both side 4"	85	54,50	7,00
B08007000114E	80	one side 4"	85	50,00	7,00
B08007000968B	80	both side 3-1/4"	85	54,50	7,00
B08008000127E	80	one side 4-1/2"	85	56,50	8,00
B08009000114B	80	both side 4"	85	67,50	9,00
B08009000114E	80	one side 4"	85	63,00	9,00
B08010000127B	80	both side 4-1/2"	85	74,00	10,00
B08010000127E	80	one side 4-1/2"	85	69,50	10,00
B08010000968B	80	both side 3-1/4"	85	74,00	10,00
B08012000127E	80	one side 4-1/2"	85	82,50	12,00
B08012000968E	80	one side 3-1/4"	85	82,50	12,00
B08020000968B	80	both side 3-1/4"	85	139,00	20,00
B08503000127B	85	both side 4-1/2"	85	30,00	3,00
B08504000127B	85	both side 4-1/2"	85	37,00	4,00
B08504000127E	85	one side 4-1/2"	85	18,00	4,00
B08505000127B	85	both side 4-1/2"	85	44,00	5,00
B08505000127BHD	85	both side 4-1/2" HD*	85	44,00	5,00
B08505000127E	85	one side 4-1/2"	85	39,50	5,00
B08506000127B	85	both side 4-1/2"	85	51,00	6,00
B08506000127E	85	one side 4-1/2"	85	46,50	6,00
B08508000127B	85	both side 4-1/2"	85	65,00	8,00
B08510000127B	85	both side 4-1/2"	85	79,00	10,00
B08510000127E	85	one side 4-1/2"	85	74,50	10,00
B10001000127B	100	both side 4-1/2"	85	17,50	1,00
B10001500114B	100	both side 4"	85	21,75	1,50
B10001500127B	100	both side 4-1/2"	85	21,75	1,50

*HD: Heavy Duty / hoses will be peeled on inside

Article Number	NW	Coupling/ Inch	Operatind Pressure	Weight more or less in kg/m	Lenght/m
B10001900114B	100	both side 4"	85	25,15	1,90
B10002000114B	100	both side 4"	85	26,00	2,00
B10002000127B	100	both side 4-1/2"	85	26,00	2,00
B10002000127EHD	100	one side 4-1/2" HD*	85	26,00	2,00
B10002800114B	100	both side 4"	85	32,80	2,80
B10003000114B	100	both side 4"	85	34,50	3,00
B10003000127B	100	both side 4-1/2"	85	34,50	3,00
B10003000127BHD	100	both side 4-1/2" HD*	85	34,50	3,00
B10003000127E	100	one side 4-1/2"	85	30,00	3,00
B10003000127EHD	100	one side 4-1/2" HD*	85	30,00	3,00
B10003500127B	100	both side 4-1/2"	85	38,75	3,50
B10003500127E	100	one side 4-1/2"	85	34,25	3,50
B10004000114B	100	both side 4"	85	43,00	4,00
B10004000127B	100	both side 4-1/2"	85	43,00	4,00
B10004000127BHD	100	both side 4-1/2" HD*	85	43,00	4,00
B10004000127E	100	one side 4-1/2"	85	38,50	4,00
B10004000127EHD	100	one side 4-1/2" HD*	85	38,50	4,00
B10004500114B	100	both side 4"	85	47,25	4,50
B10004500127B	100	both side 4-1/2"	85	47,25	4,50
B10004500127E	100	einers. 4 1/2"	85	42,75	4,50
B10005000114B	100	both side 4"	85	51,50	5,00
B10005000127B	100	both side 4-1/2"	85	51,50	5,00
B10005000127BHD	100	both side 4-1/2" HD*	85	51,50	5,00
B10005000127E	100	one side 4-1/2"	85	47,00	5,00
B10005000127EHD	100	one side 4-1/2" HD*	85	47,00	5,00
B10005000148B	100	both side 5-1/2"	85		5,00
B10006000114B	100	both side 4"	85	60,00	6,00
B10006000127B	100	both side 4-1/2"	85	60,00	6,00
B10006000127BHD	100	both side 4-1/2" HD*	85	60,00	6,00
B10006000127E	100	one side 4-1/2"	85	55,50	6,00
B10006000127EHD	100	one side 4-1/2" HD*	85	55,50	6,00
B10006300114B	100	both side 4"	85	62,55	6,30
B10006750114B	100	both side 4"	85	66,38	6,75
B100067504NPT	100	both side 4" NPT AG	85	66,38	6,75
B10007000114E	100	one side 4"	85	64,00	7,00
B10007000127B	100	both side 4-1/2"	85	68,50	7,00
B10007000127BHD	100	both side 4-1/2" HD*	85	68,50	7,00
B10007000127E	100	one side 4-1/2"	85	64,00	7,00
B10007000127EHD	100	one side 4-1/2" HD*	85	64,00	7,00
B10007500127B	100	both side 4-1/2"	85	72,75	7,50
B10008000114B	100	both side 4"	85	77,00	8,00
B10008000127E	100	one side 4-1/2"	85	72,50	8,00
B10008000127EHD	100	one side 4-1/2" HD*	85	72,50	8,00
B10008000127B	100	both side 4-1/2"	85		8,00
B10009000127E	100	one side 4-1/2"	85	81,00	9,00
B10009500114B	100	both side 4"	85	89,75	9,50
B10010000114B	100	both side 4"	85	94,00	10,00
B10010000127B	100	both side 4-1/2"	85	94,00	10,00
B10010000127BHD	100	both side 4-1/2" HD*	85	94,00	10,00
B10010000127E	100	one side 4-1/2"	85	89,50	10,00
B10012000127B	100	both side 4-1/2"	85	111,00	12,00
B10014000127B	100	both side 4-1/2"	85	128,00	14,00
B10015000114B	100	both side 4"	85	136,50	15,00
B10015000114E	100	one side 4"	85	132,00	15,00
B10015000127BHD	100	both side 4 1/2" HD*	85	136,50	15,00
B10020000114B	100	both side 4"	85	179,00	20,00
B10020000127BHD	100	both side 4 1/2" HD*	85	179,00	20,00
B10025000127BHD	100	both side 4 1/2" HD*	85	221,50	25,00



CONCRETE PUMP HOSE LENGTHS ON ONE AND BOTH SIDES GROUTED WITH CONCRETE PUMP COUPLINGS

Article Number	NW	Coupling/ Inch	Operatind Pres- sure	Weight more or less in kg/m	Lenght/m
B11201000148B	112	both side 5-1/2"	85	21,50	1,00
B11201200148B	112	both side 5-1/2"	85	23,40	1,20
B11202500148E	112	one side 5-1/2"	85	29,50	2,50
B11203000148E	112	one side 5-1/2"	85	34,50	3,00
B11204000148B	112	both side 5-1/2"	85	50,00	4,00
B11204000148E	112	one side 5-1/2"	85	44,00	4,00
B11205000148E	112	one side 5-1/2"	85	53,50	5,00
B11207000148E	112	one side 5-1/2"	85	82,00	8,00
B12501000148B	125	both side 5-1/2"	85	23,00	1,00
B12501000148BHD	125	both side 5-1/2" HD*	85	23,00	1,00
B12501200148B	125	both side 5-1/2"	85	25,20	1,20
B12501200148BHD	125	both side 5-1/2" HD*	85	25,20	1,20
B12501400148B	125	both side 5-1/2"	85	27,40	1,40
B12501500148B	125	both side 5-1/2"	85	28,50	1,50
B12502000148B	125	both side 5-1/2"	85	34,00	2,00
B12502000148BHD	125	both side 5-1/2" HD*	85	34,00	2,00
B12502000148E	125	one side 5-1/2"	85	28,00	2,00
B12502500148B	125	both side 5-1/2"	85	39,50	2,50
B12502500148E	125	one side 5-1/2"	85	33,50	2,50
B12502600148B	125	both side 5-1/2"	85	40,60	2,60
B12502800142B	125	both side 5"	85	42,80	2,80
B12502800148B	125	both side 5-1/2"	85	42,80	2,80
B12503000142B	125	both side 5"	85		3,00
B12503000148B	125	both side 5-1/2"	85	45,00	3,00
B12503000148BHD	125	both side 5-1/2" HD*	85	45,00	3,00
B12503000148E	125	one side 5-1/2"	85	39,00	3,00
B12503000148EHD	125	one side 5-1/2" HD*	85	39,00	3,00
B12503200148B	125	both side 5-1/2"	85	47,20	3,20
B12503200148BHD	125	both side 5-1/2" HD*	85	47,20	3,20
B12503300148B	125	both side 5-1/2"	85	48,30	3,30
B12503300148BHD	125	both side 5-1/2" HD*	85	48,30	3,30
B12503400148B	125	both side 5-1/2"	85	49,40	3,40
B12503500148B	125	both side 5-1/2"	85	50,50	3,50
B12503500148BHD	125	both side 5-1/2" HD*	85	50,50	3,50
B12503500148E	125	one side 5-1/2"	85	44,50	3,50
B12503500148EHD	125	one side 5-1/2" HD*	85	44,50	3,50
B12503800148B	125	both side 5-1/2"	85	53,80	3,80
B12503800148BHD	125	both side 5-1/2" HD*	85	53,80	3,80
B12504000142BHD	125	both side 5" HD*	85		4,00
B125040000148EHD	125	one side 5-1/2" HD*	85	50,00	4,00
B12504000148B	125	both side 5-1/2"	85	56,00	4,00
B12504000148BHD	125	both side 5-1/2" HD*	85	56,00	4,00
B12504000148E	125	one side 5-1/2"	85	50,00	4,00
B12504500148B	125	both side 5 1/2"	85		4,50
B125050000148E	125	one side 5-1/2"	85	61,00	5,00
B125050000148EHD	125	one side 5-1/2" HD*	85	61,00	5,00
B12505000148B	125	both side 5-1/2"	85	67,00	5,00
B12505000148BHD	125	both side 5-1/2" HD*	85	67,00	5,00
B12506000148B	125	both side 5-1/2"	85	78,00	6,00
B12506000148E	125	one side 5-1/2"	85	72,00	6,00
B12507000148B	125	both side 5-1/2"	85	89,00	7,00
B12508000142B	125	both side 5"	85	100,00	8,00

*HD: Heavy Duty / hoses will be peeled on inside



Article Number	NW	Coupling/ Inch	Operatind Pres- sure	Weight more or less in kg/m	Lenght/m
B12508000148B	125	both side 5-1/2"	85	100,00	8,00
B125010000142B	125	both side 5"	85	122,00	10,00
B12510000148B	125	both side 5-1/2"	85	122,00	10,00
B12510000148BHD	125	both side 5-1/2" HD*	85	122,00	10,00
B12510000148E	125	one side 5-1/2"	85	116,00	10,00
B12512000148BHD	125	both side 5-1/2" HD*	85	144,00	12,00
B12515000148B	125	both side 5-1/2"	85		15,00
B12520000148B	125	both side 5-1/2"	85	232,00	20,00
B1252000148BHD	125	both side 5-1/2" HD*	85	232,00	20,00
B15001000158B	150	both side 6"	85	38,00	1,00
B15001500158E	150	one side 6"	85	39,00	1,50
B15002000158B	150	both side 6"	85	58,00	2,00
B15002500158B	150	both side 6"	85	68,00	2,50
B15003000158B	150	both side 6"	85	78,00	3,00
B15003500158B	150	both side 6"	85	88,00	3,50
B15003500158E	150	one side 6"	85	79,00	3,50
B15004000158B	150	both side 6"	85	98,00	4,00
B15004000158E	150	one side 6"	85	89,00	4,00
B15004500158E	150	one side 6"	85	99,00	4,50
B15005000158B	150	both side 6"	85	118,00	5,00
B15006000158B	150	both side 6"	85	138,00	6,00
B15010000158B	150	both side 6"	85	218,00	10,00
B15010830158B	150	both side 6"	85	234,60	10.83

Other sizes and lengths on request

*HD: Heavy Duty

Alternative concrete delivery hoses:



CONCRETE PUMP HOSE WITH SAFETY LOGOS

A specially developed hose for industrial delivery of concrete by means of concrete pumps including safety logos. Suitable for conveying highly abrasive media such as concrete, cement and mortar. Long service life due to abrasion-resistant core. Flexible and easy to handle with high kink resistance due to a special hose construction. Easy cleaning by pumping back. Note: The hose complies with EN 12001:2010. Pressed lines on request

- **Temperature range:** -35°C / + 80°C
- **Safety factor:** 2,3:1
- **Core:** NR/SBR/BR, black, smooth, antistatic, abrasion resistant
- **Inserts:** steel cord wound
- **Cover:** SBR, black, antistatic, fabric patterned
- **Labelling:** Safety logos in the form of
- **Warnings:** Wear protective gloves, goggles and helmet. In addition, a warning regarding the swinging out of the hose.



Article Number	Nominal Width Inch	Wall Thickness (mm)	Operatind Pressure (bar)	Deposit Number	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)	
2017.038010	38	1 1/2"	9	85	4	280	2,50	40
2010.050011	50	2"	10	85	4	360	3,00	40
2010.065014	65	2 1/2"	11	85	4	420	3,15	40
2010.075014	75	3"	11	85	4	460	4,90	40
2010.080014	80	3 1/4"	12	85	4	480	5,30	40
2010.100014	100	4"	12	85	4	520	7,10	40
2017.110014	114	4 1/2"	13	85	4	700	8,50	40
2010.125014	125	5"	13	85	4	620	9,10	40
2016.152016	152	6"	16	85	6	900	20,00	20



MORTAR

Mandals Mortar is a light weight, safe & easy to use concrete boom hose from Mandals. The hose answers a need in the market for an easy to handle concrete placement hose.

It is ideal for ICF forms as well as tall walls, and columns where space is minimal. The Lay-Flat design allows improved flow control and lower placement rates compared to conventional concrete discharge hoses. Mandals Mortar conforms with or exceeds strictly safety regulation such as the North American ASME B30.27 2009.

Our "Mortar" lay-flat hose improved flow control and placement rates compared to conventional concrete discharge hoses. Due to the characteristics of the Mortar hose, it also considerably improves the safety of use, due to an absolute minimum risk of whipping of the hose end, which is a serious risk using the more rigid hoses.

- **Temperature range:** -35°C / + 70°C
- **Safety factor:** 2 : 1
- **Core:** TPU, orange
- **Deposits:** Textil
- **Cover:** TPU, orange
- **Marking:** Mandals Mortar 102 ID1233PSI/86Bar W.P. 1.16 LBS./FT Meets/Exceeds Asme B30.27 2009 UH27



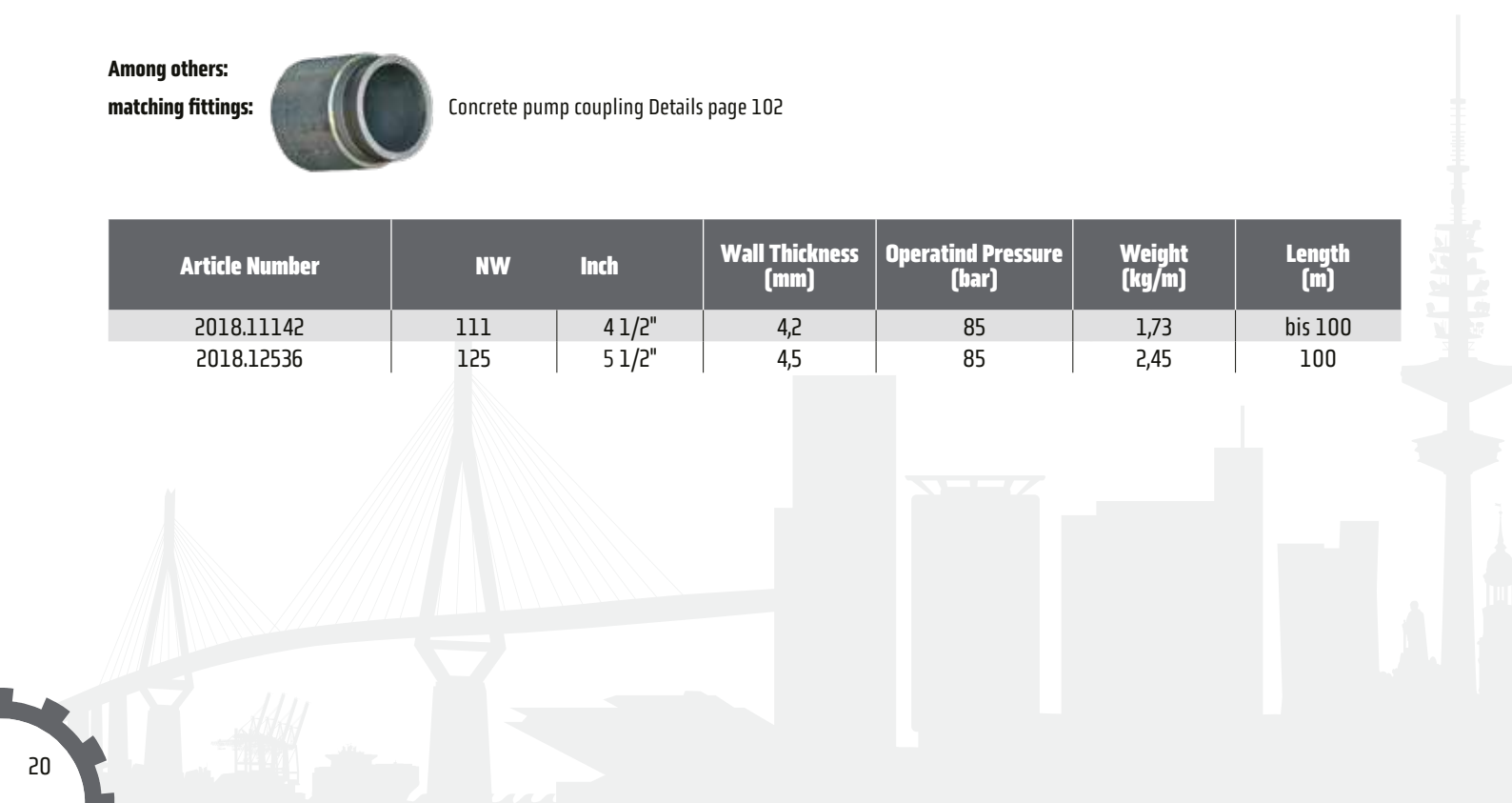
Among others:

matching fittings:



Concrete pump coupling Details page 102

Article Number	NW	Inch	Wall Thickness (mm)	Operatind Pressure (bar)	Weight (kg/m)	Length (m)
2018.11142	111	4 1/2"	4,2	85	1,73	bis 100
2018.12536	125	5 1/2"	4,5	85	2,45	100



SIGMA® black FS 3325 - 10 bar - S&D



- **Application:** A suction and delivery hose for the pneumatic and hydraulic conveying of abrasive materials, such as cement, sand, phosphates, quartz, dolomite, waste glass, dry mixed animal feed, grain, bark, wood shavings, etc.
- **Feature:** The entire feed system is very easy to assemble due to a specially designed coupling system. Average wear of the tube 70 mm³ (according to DIN ISO 4649:2021). External, segmented coupling system allows easy replacement of hose. Couplings can normally be reused.
- **Notice:**
 ATTENTION: Please refer to the Semperit resistance list or, in case of doubt, contact Semperit.
 ATTENTION: Please see the special handling and storage guidelines for our Sigma® system.
 On request: reducers, elbow fittings, branches, adaptors, shut-off valves, etc.
- **Temperature range:** -35°C / +70°C.
- **Safety factor:** 3,2 : 1
- **Core:** EPDM/SBR, black, resistant to ozone and weather, abrasion resistant, electrically conductive, corrugated with cloth impression.
- **Interfacing:** Textile wrapped, zinc plated wire helix.
- **Cover:** EPDM/SBR, schwarz, ozon- und witterungsbeständig, abriebfest, elektrisch leitfähig, gewellt mit Stoffimpressionen.
- **Marking:** continuous mylartape, white letters: „SEMPERIT (S) SIGMA®black FS 3325 S&D WP 10 bar Made in Europe //”.

Article Number	Inside - Ø in		Wall Thick-ness (mm)	Outer Ø (mm)	Operatind Pressure (max.) bar	Number of deposits	Bending Radius (min.) in mm	Weight kg/m	Roll Length (max.) m
	mm	Inch							
64534 5140	50,8	2	12,0	74,8	10	2	250	3,0	40
64534 5140	63,5	2 1/2	12,0	87,5	10	2	300	4,0	40
64534 5140	76,2	3	19,0	114,2	10	2	350	8,0	40
64534 5140	101,6	4	15,5	132,6	10	2	500	8,0	40
64534 5140	127,0	5	17,5	162,0	10	2	650	12,4	40
64534 5140	152,4	6	18	188,4	10	2	750	14,3	40
64534 5140	203,2	8	19,0	241,2	10	2	1250	18,8	13,3

Vacuum resistance up to 152mm ID -0.9 bar; bigger sizes -0.7 bar.





SIGMA® plus FS 3320 - 10 bar - S&D

Pneumatic and hydraulic transport of abrasive materials with wear indicator



- **Application:** A premium suction and delivery hose for the pneumatic and hydraulic conveying of abrasive materials, such as cement, sand, phosphates, quartz, dolomite, waste glass, dry mixed animal feed, grain, bark, wood shavings, etc.
- **Feature:** The entire feed system is very easy to assemble due to a specially designed coupling system.
Average wear of the tube 50 mm³ (according to DIN ISO 4649:2021).
Colored wear indicator – for early detection that a replacement is required.
MSHA approved cover: MSHA IC-8/19.
External, segmented coupling system allows easy replacement of hose. Couplings can normally be reused.
- **Notice:**
ATTENTION: Please refer to the Semperit resistance list or, in case of doubt, contact Semperit.
ATTENTION: Please see the special handling and storage guidelines for our Sigma® system.
On request: reducers, elbow fittings, branches, adaptors, shut-off valves, etc.
- **On request:** reduction pieces, manifold, branches, adaptors, shut-off elements, etc
- **Temperature range:** -35°C / +80°C.
- **Safety factor:** 3,2 : 1
- **Core:** NR/BR/SBR, black, abrasion resistant, electrically conductive, colored wear indicator.
- **Interfacing:** Textile wrapped, zinc plated wire helix.
- **Cover:** EPDM/SBR, black, resistant to ozone and weather, abrasion resistant, electrically conductive, corrugated with cloth impression.
- **Marking:** continuous blue mylartape, white letters: „SEMPERIT (S) SIGMA® plus FS 3320 S&D WP 10 bar Made in Europe // // // //“.



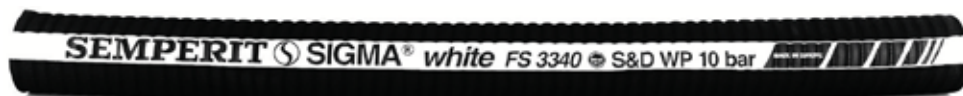
Article Number	Inside - Ø in		Wall Thick-ness (mm)	Outer Ø (mm)	Operatind Pressure (max.) bar	Number of deposits	Bending Radius (min.) in mm	Weight kg/m	Roll Length (max.) m
	mm	Inch							
64534 5140	50,8	2	12,0	74,8	10	2	250	3,0	40
64534 5140	63,5	2 1/2	12,0	87,5	10	2	300	4,0	40
64534 5140	76,2	3	19,0	114,2	10	2	350	8,0	40
64534 5140	101,6	4	15,5	132,6	10	2	500	8,0	40
64534 5140	127,0	5	17,5	162,0	10	2	650	12,4	40
64534 5140	152,4	6	18	188,4	10	2	750	14,3	40
64534 5140	203,2	8	19,0	241,2	10	2	1250	18,8	13,3

Vacuum resistance up to 152mm ID -0.9 bar; bigger sizes -0.7 bar.



SIGMA® black FS 3340 - 10 bar - S&D

Pneumatic and hydraulic transport of solid and powdered foods



- **Application:** Food quality suction and delivery hose for conveying pneumatically and hydraulically solid and dusty foodstuffs, such as animal feed, silo products, grain, light coloured plastic granulates and oil-laden substances, etc.
- **Feature:** The entire feed system is very easy to assemble due to a specially designed coupling system. Average wear of the tube 140 mm³ (according to DIN ISO 4649:2021). External, segmented coupling system allows easy replacement of hose. Couplings can normally be reused.
- **Notice:**
ATTENTION: Please refer to the Semperit resistance list or, in case of doubt, contact Semperit.
ATTENTION: Please see the special handling and storage guidelines for our Sigma® system.
On request: reducers, elbow fittings, branches, adaptors, shut-off valves, etc.
- **Temperature range:** -35°C / +80°C.
- **Safety factor:** 3,2 : 1
- **Core:** NBR/PVC, white, abrasion resistant, food quality, antistatic.
- **Interfacing:** Textile wrapped, zinc plated wire helix.
- **Cover:** CR, black, resistant to ozone and weather, abrasion resistant, resistant to oil, electrically conductive, corrugated with cloth impression.
- **Marking:** continuous white mylartape, black letters: „SEMPERIT (S) SIGMA®white FS 3340 S&D WP 10 bar Made in Europe // // // // //“.



Article Number	Inside - Ø in		Wall Thick-ness (mm)	Outer Ø (mm)	Operatind Pressure (max.) bar	Number of deposits	Bending Radius (min.) in mm	Weight kg/m	Roll Length (max.) m
	mm	Inch							
64534 5140	50,8	2	12,0	74,8	10	2	250	3,0	40
64534 5140	63,5	2 1/2	12,0	87,5	10	2	300	4,0	40
64534 5140	76,2	3	19,0	114,2	10	2	350	8,0	40
64534 5140	101,6	4	15,5	132,6	10	2	500	8,0	40
64534 5140	127,0	5	17,5	162,0	10	2	650	12,4	40
64534 5140	152,4	6	18	188,4	10	2	750	14,3	40
64534 5140	203,2	8	19,0	241,2	10	2	1250	18,8	13,3

Vacuum resistance up to 152mm ID -0.9 bar; bigger sizes -0.7 bar.





LIP SEAL

Article Number	Article name	DN	Inch	BD	Product details
B99999	SK-Clamp Coupling Forging	DN 50	2» 60,3 mm	85 bar	Galvanized steel
B99999	SK-Clamp Coupling Forging	DN 65	2,5» 73 mm	85 bar	Steel painted
B99999	SK-Clamp Coupling Forging	76,1	76,1 76,1 mm	85 bar	Steel painted
B90100	SK-Clamp Coupling Forging	DN 65	3» 89 mm	85 bar	Galvanized steel
B90101	SK-Clamp Coupling Forging	DN 75	3,25» 97 mm	85 bar	Galvanized steel
B90099	SK-Clamp Coupling Forging	DN 100	4» 114 mm	85 bar	Galvanized steel
B90102	SK-Clamp Coupling Forging	DN 100	4,5» 127 mm	85 bar	Galvanized steel
B90103-1	SK-Clamp Coupling Forging	DN 125	5» 141 mm	85 bar	Galvanized steel
B90103	SK-Clamp Coupling Forging	DN 125	5,5» 148 mm	85 bar	Galvanized steel
B90104	SK-Clamp Coupling Forging	DN 150	6» 168,3 mm	85 bar	Galvanized steel
B90253	SK-Rubber Lip-Seal	DN 65/75	3» 89 mm	85 bar	
B90252	SK-Rubber Lip-Seal	DN 75	3,25» 97 mm	85 bar	
B90256	SK-Rubber Lip-Seal	DN 100	4» 114 mm	85 bar	
B90251	SK-Rubber Lip-Seal	DN 100	4,5» 127 mm	85 bar	
B99999	SK-Rubber Lip-Seal	DN 125	5» 141 mm	85 bar	
B90250	SK-Rubber Lip-Seal	DN 125	5,5» 148 mm	85 bar	
B90254	SK-Rubber - Trillip - Lip-Seal	DN 125	5,5» 148 mm	85 bar	
B90255	SK-Rubber Lip-Seal	DN 150	6» 168,3 mm	85 bar	
B90104-W	Wedge Coupling System ZX-W (OEM PM581430)	DN 125	5»	220 bar	Galvanized steel
B90106	Wedge Coupling System ZX-W	DN 150	6»	220 bar	Galvanized steel
B90105	Bolt Coupling System ZX-K	DN 150	6»	130 bar	Galvanized steel
B90104-B	Bolt Coupling System ZX-K (OEM 051342005)	DN 125	5» HD	220 bar	Galvanized steel
B90110	Clamp Coupling Schwing (OEM SW10043559)	DN 150	6»	85 bar	Galvanized steel

Article Number	Article name	DN	Inch	BD	Product details
B90111	Clamp Coupling Schwing (OEM SW10043560)	DN 180	180	85 bar	Galvanized steel
B90107	SK-S Screw Coupling	DN 125	5,5»	85 bar	Galvanized steel
B90108	SK-S Screw Coupling (OEM 10000602)	DN 125	5,5»	85 bar	Galvanized steel
B90112	SK-S Screw Coupling - with 4 screws (OEM 058103001)	DN 125	5,5» ND	85 bar	Galvanized steel
B90109	Lever Coupling as Mounting Coupling System SK-S (OEM 430241)	DN 125	5,5»	85 bar	Galvanized steel
B90114	Lever Coupling as Mounting Coupling System SK-S	DN 100	4,5»	85 bar	Galvanized steel
B90113	ZX-S Screw Coupling (OEM 057241003)	DN 125	5»	130 bar	Galvanized steel
B90399	O-Ring (for - ZX) (OEM 041323005)	152 x 5,1			DIN 3771 / NBR 90
B90059	SK-Flange / weld on ring, black	DN 65	3» 89 mm	85 bar	ST 52
B90058	SK-Flange / weld on ring, black	DN 75	3» 89 mm	85 bar	ST 52
B90058-3,25	SK-Flange / weld on ring, black	DN 75	3,25» 97 mm	85 bar	ST 52
B90052-4	SK-Flange / weld on ring, black	DN 80	4» 114 mm	85 bar	ST 52
B90052-4,5	SK-Flange / weld on ring, black	DN 80	4,5» 127 mm	85 bar	ST 52
B90052	SK-Flange / weld on ring, black	DN 100	4,5» 127 mm	85 bar	ST 52
B99999	SK-Flange / weld on ring, black	DN 100	4» 114 mm	85 bar	ST 52
B90050	SK-Flange / weld on ring, black	DN 125	5,5» 148 mm	85 bar	ST 52
B90051	SK-Flange / weld on ring, black,	DN 125	5,5» 148 mm	85 bar	ST 52 / for hardened pipes
B90053	ZXV SK-Flange / weld on ring, black	DN 125	5»	130 bar	ST 52
B90054	ZXM SK-Flange / weld on ring, black	DN 125	5»	130 bar	ST 52
B90055	ZXV + ZXM weld on ring, black	DN 125	5»	130 bar	ST 52
B90452	Reduction Pipe ST 52, System SK	DN 100/65	4,5»/3» 127/89 mm	85 bar	500 mm / Ws.7-8 mm, painted
B90453	Reduction Pipe ST 52, System SK	DN 100/75	4,5»/3» 127/89 mm	85 bar	500 mm / Ws.7-8 mm, painted
B90451	Reduction Pipe ST 52, System SK	DN 100/75	4,5»/3,25» 127/97 mm	85 bar	500 mm / Ws.7-8 mm, painted
B90449	Reduction Pipe ST 52, System SK	DN 100/80	4»/3,25» 114/97 mm	85 bar	500 mm / Ws.7-8 mm, painted
B90450	Reduction Pipe ST 52, System SK	DN 125/100	5,5»/4,5» 148/127 mm	85 bar	500 mm / Ws.7-8 mm, painted



Article Number	Article name	DN	Inch	BD	Product details
B90450-5,5	Reduction Pipe ST 52, System SK	DN 125/100	5,5»/5,5» 148/148 mm	85 bar	500 mm / Ws.7-8 mm, painted
B90486	Reduction Pipe ST 52, System SK	DN 65/50	3»/3» 89/89 mm	85 bar	1000 mm / Ws.7-8 mm, painted
B90456	Reduction Pipe ST 52, System SK	DN 100/65	4,5»/3» 127/89 mm	85 bar	1000 mm / Ws.7-8 mm, painted
B90458	Reduction Pipe ST 52, System SK	DN 100/75	4,5»/3» 127/89 mm	85 bar	1000 mm / Ws.7-8 mm, painted
B90455	Reduction Pipe ST 52, System SK	DN 100/75	4,5»/3,25» 127/97 mm	85 bar	1000 mm / Ws.7-8 mm, painted
B90462	Reduction Pipe ST 52, System SK	DN 100/80	4»/3,25» 114/97 mm	85 bar	1000 mm / Ws.7-8 mm, painted
B90460	Reduction Pipe ST 52, System SK	DN 100/80	4»/3,25» 114/97 mm	85 bar	1000 mm / Ws.7-8 mm, painted
B90464	Reduction Pipe ST 52, System SK	DN 100/80	4,5»/4,5» 127/127 mm	85 bar	1000 mm / Ws.7-8 mm, painted
B90457	Reduction Pipe ST 52, System SK	DN 125/65	5,5»/3» 148/89 mm	85 bar	1000 mm / Ws.7-8 mm, painted
B90466	Reduction Pipe ST 52, System SK	DN 125/75	5,5»/3» 148/89 mm	85 bar	1000 mm / Ws.7-8 mm, painted
B90465	Reduction Pipe ST 52, System SK	DN 125/75	5,5»/3,25» 148/97 mm	85 bar	1000 mm / Ws.7-8 mm, painted
B90461	Reduction Pipe ST 52, System SK	DN 125/80	5,5»/4» 148/114 mm	85 bar	1000 mm / Ws.7-8 mm, painted
B90459	Reduction Pipe ST 52, System SK	DN 125/80	5,5»/4» 148/114 mm	85 bar	1000 mm / Ws.7-8 mm, painted
B90463	Reduction Pipe ST 52, System SK	DN 125/80	5,5»/4,5» 148/127 mm	85 bar	1000 mm / Ws.7-8 mm, painted
B90467	Reduction Pipe ST 52, System SK	DN 125/80	5,5»/4,5» 148/127 mm	85 bar	1000 mm / Ws.7-8 mm, painted
B90454	Reduction Pipe ST 52, System SK	DN 125/100	5,5»/4,5» 148/127 mm	85 bar	1000 mm / Ws.7-8 mm, painted
B99999	Reduction Pipe ST 52, System SK	DN 150/125	6»/5,5» 168,3/148 mm	85 bar	1000 mm / Ws.7-8 mm, painted
B90501	Reduction Pipe ST 52, System SK	DN 150/125	6»/5,5» 168,3/148 mm	85 bar	100 mm, painted
B90499	Reduction Pipe ST 52, System SK	DN 150/125	6»/5,5» 150/148 mm	85 bar	200 mm, painted
B90500	Reduction Pipe System ZX-V - SK 5,5"	DN 150/125	6»/5,5» 168,3/148 mm	85 bar	200 mm / painted
B90480	Mecanical Shut-Off Valve System SK	DN 65	3»		
B90481	Mecanical Shut-Off Valve System SK	DN 75	3»		
B90481-1	Mecanical Shut-Off Valve System SK	DN 75	3,25»		
B90482	Mecanical Shut-Off Valve System SK	DN 80	4»		
B90483	Mecanical Shut-Off Valve System SK	DN 100	4,5»		
B90483-1	Mecanical Shut-Off Valve System SK	DN 125	5,5»		



Article Number	Article name	DN	Inch	BD	Product details
2040.065065	Cleaning Ball, soft	Drm. 65 mm			
2040.080080	Cleaning Ball, soft	Drm. 80 mm			
2040.100100	Cleaning Ball, soft	Drm.100 mm			
2040.125125	Cleaning Ball, soft	Drm.125 mm			
2040.150150	Cleaning Ball, soft	Drm.150 mm			
2040.175175	Cleaning Ball, soft	Drm.175 mm			
2042.065065	Cleaning Ball, medium	Drm. 65 mm			
B90200	Cleaning Ball, medium	Drm. 80 mm			
B90201	Cleaning Ball, medium	Drm.100 mm			
B90202	Cleaning Ball, medium	Drm.125 mm			
B90203	Cleaning Ball, medium	Drm.150 mm			
2042.175175	Cleaning Ball, medium	Drm.175 mm			
2045.065065	Cleaning Ball, firmly	Drm. 65 mm			
2045.080080	Cleaning Ball, firmly	Drm. 80 mm			
2045.100100	Cleaning Ball, firmly	Drm. 100 mm			
2045.125125	Cleaning Ball, firmly	Drm. 125 mm			
B90204	Cleaning Ball, firmly	Drm. 150 mm			
B90205	Cleaning Ball, firmly	Drm. 175 mm			
2046.080105	Cleaning pig, medium	80 x 105 mm			
2046.120150	Sponge Rubber Newt, firmly	120 x 150 mm			
B90206	Sponge Rubber Newt, firmly	155 x175 mm			
B90291	Delivery Pipe ST 52, System SK	DN 50	3» 89 mm	85 bar	3 m / Ws 5,5 mm
B90294	Delivery Pipe ST 52, System SK	DN 65	3» 89 mm	85 bar	3 m / Ws 4 mm
B90292	Delivery Pipe ST 52, System SK	DN 65	4» 114 mm	85 bar	3 m / Ws 6,3 mm
B90293	Delivery Pipe ST 52, System SK	DN 75	3» 89 mm	85 bar	3 m / Ws 4 mm



Article Number	Article name	DN	Inch	BD	Product details
B90058-3,25	Delivery Pipe ST 52, System SK	DN 75	3,25» 97 mm OD	85 bar	3 m / Ws 4 mm
B90290-5910	Delivery Pipe ST 52, System SK	DN 80	4» 114 mm	85 bar	5912 mm / Ws 4 mm
B90290	Delivery Pipe ST 52, System SK	DN 80	4» 89 mm	85 bar	3 m / Ws 4 mm
B90290-660	Delivery Pipe ST 52, System SK	DN 80	4» 114 mm	85 bar	660 mm
B90350-1000	Delivery Pipe ST 52, System SK	DN 100	4» 114 mm	85 bar	1 m / Ws 4 mm
B90350-2805	Delivery Pipe ST 52, System SK	DN 100	4» 114 mm	85 bar	2805 mm / Ws 4 mm
B90350	Delivery Pipe ST 52, System SK	DN 100	4,5» 127 mm	85 bar	3 m / WS 4,5 mm
B90351	Delivery Pipe ST 52, System SK	DN 125	5,5» 148 mm	85 bar	3 m / WS 4,5 mm
B90413	Delivery Pipe ST 52, System SK	DN 125	5,5» 148 mm	85 bar	3 m / Ws 8 mm
B904450	Delivery Pipe two-ply, HRC 63 System SK	DN125	5,5» 148 mm	85 bar	3 m / Ws 2,5 + 2,0 mm
B904451	Delivery Pipe tempered, HRC 63 System SK	DN 125	5,5» 148 mm	85 bar	3 m
B904452	Delivery Pipe two-ply, HRC 63 System SK	DN 125	5,5» 148 mm	85 bar	3 m / Ws 2,5 + 2,5 mm
B904453	Delivery Pipe two-ply, HRC 63 System SK	DN 125	5,5» 148 mm	85 bar	3 m / Ws 5,0 + 3,0 mm
B90421	Delivery Pipe Ceramics System SK	DN 125	5,5» 148 mm	85 bar	3 m / Ws 8 mm
B90412	High Pressure Delivery Pipe System ZX (OEM 051801009)	DN 125	5»	130 bar	1 m HD / Ws 7,3 mm
B90412-1	High Pressure Delivery Pipe System ZX	DN 125	5»	200bar	1 m HD / WSs 7,3 mm
B90411	High Pressure Delivery Pipe System ZX (OEM 051802008)	DN 125	5»	130 bar	2 m HD / Ws 7,3 mm
B90411-1	High Pressure Delivery Pipe System ZX	DN 125	5»	200 bar	2 m HD / Ws, 7,3 mm
B90410	High Pressure Delivery Pipe System ZX (OEM 051803007)	DN 125	5»	130 bar	3 m HD / Ws 7,3 mm
B90410-1	High Pressure Delivery Pipe System ZX	DN 125	5»	200 bar	3 m HD / Ws 7,3 mm

Article Number	Article name	DN	Inch	BD	Product details
B90362	Elbow System SK	DN80	4»	85 bar	45° / r= 275, Steel painted
B90363	Elbow System SK	DN 80	4»	85 bar	90° / r= 275, Steel painted
B90361	Elbow System SK	DN 100	4»	85 bar	45° / r= 275, Steel painted
B90360	Elbow System SK	DN 100	4»	85 bar	90° / r= 275, Steel painted
B99999	Elbow System SK	DN 100	4,5»	85 bar	45° / r= 275, Steel painted

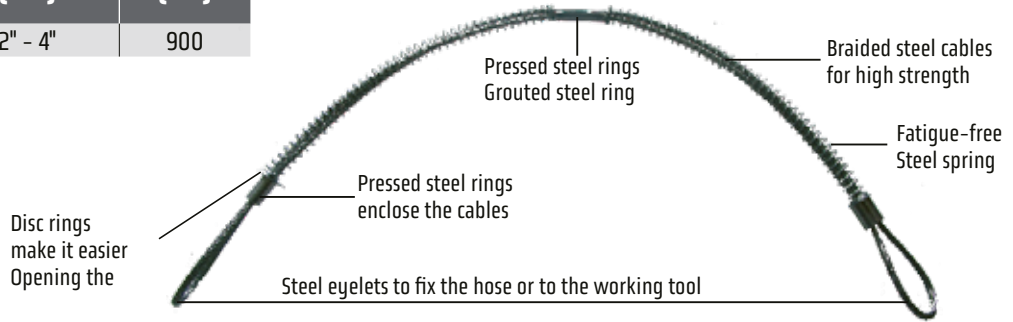
Article Number	Article name	DN	Inch	BD	Product details
B90359	Elbow System SK	DN 100	4,5»	85 bar	90° / r= 275, Steel painted
B90358	Elbow System SK	DN 125	5,5»	85 bar	30° / r= 275, Steel painted
B90353	Elbow System SK	DN 125	5,5»	85 bar	45° / r= 275, Steel painted
B90352	Elbow System SK	DN 125	5,5»	85 bar	90° / r= 275, Steel painted
90354	Double Layer Elbow, HRC 63 System SK	DN 125	5,5»	85 bar	90° / r= 275, Steel painted
B90355	Double Layer Elbow, HRC 63 System SK	DN 125	5,5»	85 bar	45° / r= 275, Steel painted
B90357	Double Layer Elbow, HRC 63 System SK	DN 125	5,5»	85 bar	30° / r= 275
B90357-1	Procast Doppellagen Bogen, HRC 63 System SK	DN 125	5,5»	85 bar	45° / r= 275 with extension, painted steel
B90356	Double Layer Elbow, HRC 63 System SK	DN 125	5,5»	85 bar	90° / r= 180 mm
B90415	Ceramic Elbow System SK	DN 125	5,5»	85 bar	90° / r = 275 mm
B90416	Ceramic Elbow System SK	DN 125	5,5»	85 bar	90° / r = 275 mm
B90417	Ceramic Elbow System SK	DN 125	5,5»	85 bar	90° / r = 275 mm
B90418	Ceramic Elbow System SK	DN 125	5,5»	85 bar	45° / r = 275 mm
B90419	Ceramic Elbow System SK	DN 125	5,5»	85 bar	90° / r = 190,5 mm
B90420	Ceramic Elbow System SK	DN 125	5,5»	85 bar	45° / r=275 + 225 mm with extension
B90422	Ceramic Elbow System SK	DN 125	5,5»	85 bar	30° / r = 275 mm
B90407	High Pressure Elbow System ZX	DN 125	5»	200 bar	15° / r = 500 / Ws. 7,3 mm
B90404	High Pressure Elbow System ZX	DN 125	5»	200 bar	30° / r = 500 / Ws. 7,3 mm
B90403	High Pressure Elbow System ZX	DN 125	5»	200 bar	45° / r = 500 / Ws. 7,3 mm
B90402	High Pressure Elbow System ZX	DN 125	5»	200 bar	90° / r = 500 / Ws. 7,3 mm
B90405	High Pressure Elbow System ZX	DN 125	5»	200 bar	15° / r = 1.000 mm / Ws. 7,3 mm
B90406	High Pressure Elbow System ZX	DN 125	5»	200 bar	30° / r = 1.000 mm / Ws. 7,3 mm
B90400	High Pressure Elbow System ZX (OEM 57642000)	DN 125	5»	200 bar	45° / r = 1.000 mm / Ws.7,3 mm
B90401	High Pressure Elbow System ZX (OEM 51819004)	DN 125	5»	200 bar	90° / r = 1.000 mm / Ws.7,3 mm
B90414	Bogen System SK	DN 125	5»	200 bar	90° / r = 1.000 mm / Ws. 7,3 mm



HOSE SAFETY ROPE (Safety rope)

This sturdy steel cable prevents uncontrolled whipping of the hose in the event of a failure of the hose connection, thus preventing injuries to persons and damage to property. The hose safety rope secures the fitting and allows the hose line to be used without risk. The fitting can be retrofitted without much effort by opening the eyelet. The tensile strength is 1150 kg. A hose safety rope consists of two double wire rope loops separated in the middle by pressed sleeves. Each of these is fitted with reinforced springs with a sliding element directed towards the free end, which abut the compressions towards the middle.

Article Number	For Hose (Inch)	Length (mm)
2030.050100	2" - 4"	900



OTHER ACCESSORIES

e.g. half-shells with lifting eye and shackle or anti-kink spirals, which we can use directly in our specialist workshop for you.



MORTAR HOSE, 10 bar

Classic Torkretierschlauch. Suitable for both thin-flow and dense-flow processes. Developed for pneumatic conveying of abrasive media such as cement, concrete aggregates, sand, gravel, etc. Very long service life, on the one hand due to the use of abrasion-resistant rubber qualities for the core and cover and on the other hand due to the higher thickness of the core layer - thicker wear layer. Safety against electrostatic charge due to antistatic hose construction. Also available with flame-retardant cover on request.

- **Temperature range:** -35°C / +80°C
- **Safety factor:** 3,15 : 1
- **Core:** SBR/NR/BR, black, smooth, antistatic, abrasion resistant
- **Interfacing:** Textile interfacing wound
- **Cover:** SBR, black, antistatic, fabric impression



Article Number	Nominal Size (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
1173.050080*	50	10	10	500	2,10	20 / 40
1173.060010	60	10	10	600	2,55	20 / 40
1173.065010*	65	10	10	650	2,65	20 / 40

* In storage. Other nominal sizes on request.

MORTAR SPRAY HOSE, 40 bar*

Mortar conveying hose for conveying mortar, screed, plaster and gypsum using the dense-flow method. Feature: Very long service life due to the use of abrasion-resistant rubber qualities for the core and cover. The compact insert package provides on the one hand a high cross sectional stability and thus an excellent kink resistance of the hose and on the other hand a high pressure resistance. Safety against electrostatic charging due to antistatic hose construction.

- **Temperature range:** -35°C / +80°C
- **Safety factor:** 2,5 : 1
- **Core:** SBR/NR/BR, black, smooth, antistatic, abrasion resistant
- **Interface:** Textile interlining Wound
- **Cover:** SBR, black, antistatic, fabric print



Article Number	Nominal Size (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
1170.019070*	19	6	40	190	0,60	40
1170.025070	25	6	40	220	0,75	40
1170.035070	35	7	40	350	1,15	40
1170.040075	40	7,5	40	350	1,35	40
1170.050080	50	8	40	500	1,70	40
1170.065010	65	9	40	650	2,55	40

* Only on order. All other nominal sizes in stock.



MORTAR SPRAY HOSE, 40 bar*, white ceiling

Article Number	Nominal Size (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
1171.025070	25	6	40	220	0,75	40
1171.035070	35	7	40	350	1,15	40
1171.050080	50	8	40	500	1,70	40

* On request with harder rubber quality and higher compressive strength, with steel wire Interfacing, with flame retardant blanket quality, available in different blanket colours.



MORTAR COUPLINGS AND CONNECTORS (standard & press sleeve cover)

Whether for conveying mortar, plaster or screed, whether on pumps, spraying equipment or plastering machines: for such applications we have particularly stable and robust mortar couplings and plugs for you. Mortar couplings are a lever-arm coupling system - but are not compatible with the related Kamlok couplings. The connection is based on a simple principle: mother and father parts made of steel or malleable cast iron are locked by two cam levers. Only the two different dimensional systems (22 and 23.5) which are widely used on the market have to be taken into account. At an operating pressure of 50 bar, attention must be paid to the most precise hose connection with an exact, machined grommet profile. Our specialist workshop, with its many years of experience, will be pleased to carry this out for you.

STANDARD MORTAR COUPLINGS FOR CLAMP BINDING

Female part with hose nozzle (full bore)

Article Number System 22*	SLW (mm)	Width	Height	Type Size	Identity Measure	Weight (kg/Piece)
MST 25	25	55	120	25	35,5	477
MST-X25	25	74	138	X25	42	778
MST 35	35	77	132	35	51	795
MST 35-DR	35	77	152	35	51	970
MST 38/35	38	77	146	35	51	903
MST 42	42	84	144	42	54	960
MST 50	50	94	140	50	64	1195
MST 65	65	105	185	65	74	2172



Father part with hose nozzle (full passage)

Article Number System 22*	SLW (mm)	h	Type Size	Identity Measure	Weight (kg/Piece)
VST 25	25	110	25	35	270
VST-X25	25	120	X25	41	385
VST-X25-DR	25	125	X25	41	420
VST 35	35	120	35	49,5	515
VST 35-DR	35	146	35	49,5	740
VST 38/35	38	120	35	49,5	470
VST 42	42	120	42	53	450
VST 50	50	140	50	63	925
VST 50-DR	50	170	50	63	1230
VST 65**	65	156	65	73	1352



Prefabricated clamps – Material: „galvanized steel”

Article Number	DN (mm)	Operating Pressure (bar)	Material	Weight (kg/Piece)
7490.000025	25	10	Steel, verzinkt	0,06
7490.000035	35	10	Steel, verzinkt	0,08
7490.000050	50	10	Steel, verzinkt	0,10



MORTAR COUPLINGS FOR HYDRAULIC PRESS SLEEVE BINDING

Female part with hose nozzle (full bore)

Article Number System 22*	Hose (mm)	Type Size	Width	Identity Measure	Height	appropriate ferrule	Weight (kg/Piece)
MSTP 25**	25 x 7	25	55	35,5	125	PH-X25	540
MSTP-X25	25 x 7	X25	74	42	128	PH-X25	780
MSTP 35	35 x 7	35	77	51	135	PH-35	910
MSTP 38/35	38 x 7	35	77	51	135	PH-38	910
MSTP 42	42 x 7	42	84	54	127	PH-42	974
MSTP 50	50 x 9	50	94	64	145	PH-50	1480



Father part with hose nozzle (full passage)

Article Number System 22*	Hose (mm)	Type Size	Identity Measure	Height	Matching press sleeve	Weight (kg/Piece)
VSTP 25	25 x 7	25	35,5	100	PH-X25	305
VSTP-X25	25 x 7	X25	41	104	PH-X25	339
VSTP-X25-DR	25 x 7	X25	41	115	PH-X25 DR	380
VSTP 35	35 x 7	35	49,5	107	PH-35	522
VSTP 35-DR	35 x 7	35	49,5	135	PH-35 DR	740
VSTP 38/35	38 x 7	35	49,5	107	PH-38	472
VSTP 42	42 x 7	42	54	106	PH-42	475
VSTP 50	50 x 9	50	63	113	PH-50	758
VSTP 50-DR	50 x 9	50	63	145	PH-50 DR	1020



Press sleeves of steel turned for hydraulic pressing

Article Number System 22*	Hose (mm)	Type Size	Ø i	Ø d	Ø a	h	Weight (kg/Piece)
PH-19	19 x 6	19/25	31,5	24,5	38	40	102
PH-X25	25 x 7	X25	41	33	50	50	218
PH-X25 DR	25 x 7	X25	41	31,3	50	50	220
PH-35	35 x 7	35	49	42,5	58	58	275
PH-35 DR	35 x 7	35	49	41	58	58	280
PH-38	38 x 7	35	53	45,5	61	61	259
PH-42	42 x 7	42	56	50,5	65	65	313
PH-50	50 x 9	50	68,5	59,5	75	75	302
PH-50 DR	50 x 9	50	68,5	57	75	75	310



Spare sealing ring made of Perbunan (55° Shore A)

Article Number	Size
7480.000050	Various depending on request

Other fittings and sizes on request. Further information from page 063.





SANDBLAST HOSE - SM1 „Strahlmeister“

Premium shot blast hose with unique tube quality, for conveying highly abrasive media such as quartz sand, steel shot, corundum, glass, etc. Extremely long service life due to the high abrasion resistant quality of the tube. Average wear of the tube 36 mm³ (according to DIN ISO 4649:2021). Antistatic construction prevents the build-up of static electricity.



- **Temperature range:** -35°C / +80°C.
- **Safety factor:** 3,5 : 1
- **Core:** NR/BR/SBR, black, highly abrasion resistant, electrically conductive, smooth.
- **Interlining:** Textile wrapped.
- **Cover:** SBR, black, resistant to ozone and weather, antistatic, cloth impression.
- **Marking:** continuous mylartape, yellow letters: "SEMPERIT (S) SM 1® - STRAHLMEISTER® Sandstrahl / Shotblast WP 12 bar MADE IN EU // // // //".

Article Number	Inside - Ø in		Wall Thickness (mm)	Outer Ø (mm)	Operatind Pressure (max.) bar	Number of deposits	Bending Radius (min.) in mm	Weight kg/m	Roll Length (max.) m
	mm	Inch							
48383 1370	13,0	1/2	7,0	27,0	12	2	130	0,50	40
48383 1950	19,0	3/4	5,0	29,0	12	2	190	0,45	40
48383 1970	19,0	3/4	7,0	33,0	12	2	190	0,65	40
48383 2570	25,0	1	7,0	39,0	12	2	250	0,80	40
48383 3280	32,0	1 1/4	8,0	48,0	12	2	320	1,10	40
48383 3212	32,0	1 1/4	12,0	56,0	12	4	320	1,80	40
48383 3890	38,0	1 1/2	9,0	56,0	12	2	380	1,50	40
48383 3811	38,0	1 1/2	11,1	60,2	12	2	380	1,95	40
48383 4290	42,0		9,0	60,0	12	2	420	1,65	40

SANDBLAST HOSE - SM2

Classic sandblasting hose with excellent core quality for conveying highly abrasive media such as quartz sand, steel shot, corundum, glass, etc. Very long service life due to abrasion-resistant core quality. Average abrasion of the core is 50 mm³ [determined according to DIN ISO 4649:2006]. Safety against electrostatic charge due to antistatic hose construction. Norm/approval: Over-complies with EN ISO 3861:2008. A reinforced core package for higher dimensional stability is available on request.



- **Temperature range:** -35°C / +80°C.
- **Safety factor:** 3,5 : 1
- **Core:** NR/BR/SBR, black, smooth, antistatic, abrasion resistant.
- **Interfacing:** Textile inserts wound.
- **Cover:** SBR, black, antistatic, fabric impression.
- **Marking:** continuous writing band, red: "SEMPERIT S SM2® Sandblast Shotblast PN 12 bar".

Article Number	Inside - Ø in		Wall Thickness (mm)	Outer Ø (mm)	Operatind Pressure (max.) bar	Number of deposits	Bending Radius (min.) in mm	Weight kg/m	Roll Length (max.) m
	mm	Inch							
48381 1370	13,0	1/2	7,0	27,0	12	2	130	0,50	40
48381 1670	16,0	5/8	7,0	30,0	12	2	160	0,55	40
48381 1970	19,0	3/4	7,0	33,0	12	2	190	0,65	40
48381 2570	25,0	1	7,0	39,0	12	2	250	0,75	40
48381 3280	32,0	1 1/4	8,0	48,0	12	2	320	1,10	40
48381 3212	32,0	1 1/4	12,0	56,0	12	4	350	1,80	40
48381 3890	38,0	1 1/2	9,0	56,0	12	2	380	1,45	40
48381 4290	42,0		9,0	60,0	12	2	420	1,70	40

SANDBLAST HOSE - SM3

Low cost hose with abrasion resistant tube quality for conveying abrasive media such as quartz sand, steel shot, corundum, glass, etc. Long service life due to abrasion resistant tube. Average wear of the tube 70 mm³ [according to DIN ISO 4649:2021]. Antistatic construction prevents the build-up of static electricity.

- **Temperature range:** -35°C / +80°C.
- **Safety factor:** 3,5 : 1
- **Core:** NR/BR/SBR, black, abrasion resistant, antistatic, smooth.
- **Interfacing:** Textile wrapped.
- **Cover:** SBR, black, resistant to ozone and weather, antistatic, cloth impression.
- **Marking:** continuous mylartape, silver letters: "SEMPERIT (S) SM3 Sandstrahl/Shotblast PN 12 bar".



Article Number	Inside - Ø in		Wall Thickness (mm)	Outer Ø (mm)	Operatind Pressure (max.) bar	Number of deposits	Bending Radius (min.) in mm	Weight kg/m	Roll Length (max.) m
	mm	Inch							
48450 1370	13,0	1/2	7,0	27,0	12	2	130	0,50	40
48450 1970	19,0	3/4	7,0	33,0	12	2	190	0,65	40
48450 2570	25,0	1	7,0	39,0	12	2	250	0,80	40
48450 3280	32,0	1 1/4	8,0	48,0	12	2	320	1,10	40
48450 3880	38,0	1 1/2	8,0	54,0	12	2	380	1,35	40
48450 4270	42,0		7,0	56,0	12	2	420	1,26	40





CEMENT SILO HOSE

Inexpensive silo hose with good core quality for loading and unloading silo transport vehicles. Pressure hose for conveying highly abrasive media such as cement, gravel, sand, granulate, pellets, etc. Feature: Long service life due to abrasion-resistant core quality. Especially flexible and therefore easy to handle. Safety against electrostatic charge due to antistatic hose construction and additionally due to an integrated copper strand.



- **Temperature range:** -35°C / +80°C.
- **Safety factor:** 3,15 : 1
- **Core:** NR/SBR/BR, black, smooth, antistatic.
- **Interfacing:** textile inserts wound, copper strand.
- **Sheathing:** SBR, black, fabric insert.
- **Inscription:** continuous writing tape
- **Silver:** according to customer requirements

Article Number	Nominal width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
1160.075090	75	9	6	760	3,32	40
1160.100010	100	10	6	1020	4,72	40
1160.110010	110	10	6	1100	5,15	40

CONCRETE DISCHARGE HOSE

Suitable for bulk material when used without pressure, with cord inserts.



- **Temperature range:** -30°C / +80°C
- **Abrasion values:** 70 - 80 mm³ according to DIN 53516
- **Core:** NR, black, smooth
- **Electrical resistance:** <106 Ω
- **Cover:** SBR, black, fabric patterned

Article Number	Nominal width (mm)	Wall Thickness (mm)	Weight (kg/m)	Roll Length (m)
1150.150060	152	7	6,80	20
1150.200060	203	7	13,05	20

PVC EXHAUST HOSE, blue

PVC flat hose light version with polyester inserts. Suitable for use on building sites and in industry. The PVC discharge hose is impressive due to its low weight, and can also be rolled up flat. Furthermore, this flat hose is ozone/UV-resistant and has a low longitudinal elongation.

- **Temperature range:** -25°C / +60°C
- **Core:** PVC, black
- **Interlining:** Polyester yarn
- **Cover:** PVC, blue

Article Number	Nominal width (mm)	Operating Pressure (bar)	Weight (kg/m)	Roll Length (m)
1152.150000	150	2	1,20	50 / 100
1152.200060	200	2	2,10	50 / 100



PVC SPIRAL HOSE, yellow

Medium weight and flexible spiral hose made of PVC. Suction and transport hose for transport and conveying of liquids in agriculture, food industry and all suction and pressure applications, such as plaster transport. Robust construction and a very smooth flow channel.

- **Temperature range:** -5°C / +60°C
- **Material:** Soft PVC
- **Sprrial:** Rigid PVC
- **Color:** yellow transparent, Spiral: white



Matching fittings:



Prefabricated-Clamps Details page 161



Details page 97

Article Number	Nominal width (mm)	Operatind Pressure (bar)	Vacuum (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
4030.045000	45 x 3,5	5	0,8	185	0,57	25 / 50

POLYURETHANS HOSE, lightweight design

PU suction and transport hose for transporting fine-grained particles such as dust and powder, suction of paper and textile fibres, suction and transport hose for abrasive solids, liquid and gaseous media, protective hose against mechanical loads, granulate transport hose or oil mist suction.

This design is flame resistant according to DIN 4102 B1, permanently antistatic, has a surface resistance $R_0 < 10^9$ Ohm, measured according to DIN EN ISO 8031: 2010-04 according to TRBS 2153 (zone 20) for combustible dusts/bulk goods for dissipating electrostatic charges with earthing of the spiral ends on both sides, is microbe-resistant, oil and petrol resistant, smallest bending radii, optimal in terms of flow, highly abrasion-resistant, light, very good flexibility, free of halogen and plasticizers, gas-tight, good chemical resistance, high tensile and tearing strength and generally has good UV and ozone resistance..

- **Temperature range:** -40°C / +90°C (briefly up to 125°C)
- **Sprrial:** spring steel wire
- **Hose wall:** pure polyester polyurethane (according to DIN ISO 4649 more abrasion resistant than comparable polyether polyurethane)
- **Wall Thickness:** between the spirals approx. 0.7 mm



Article Number	Nominal width (mm)	Operatind Pressure (bar)	Vacuum (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
1192.050000-L	50	1,68	0,52	58	0,45	10 / 15
1192.075000-L	75	1,12	0,29	84	0,72	10 / 15
1195.080000-L	80	0,98	0,29	88	0,76	10 / 15
1195.090000-L	90	0,84	0,22	99	0,88	10 / 15
1192.100000-L	100	0,84	0,22	110	0,95	10 / 15
1192.125000-L	125	0,70	0,22	135	1,18	10 / 15
1192.150000-L	150	0,56	0,15	161	1,48	10 / 15
1195.200000-L	200	0,42	0,15	214	2,30	10 / 15

Other nominal sizes on request



POLYURETHANSCHLUCH, medium version

PU suction and transport hose for the suction of coarse-grained media with high throughput, for abrasive solids, gaseous and liquid media, standard hose for industrial vacuum cleaners, granulate transport hose, transport of chips, suction and transport of paper fibres, oil mist suction

This design is flame resistant according to DIN 4102 B1, permanently antistatic, surface resistance $RO < 10^9$ Ohm, measured according to DIN EN ISO 8031: 2010-04, according to TRBS 2153 (zone 20) for flammable dusts/bulk goods for discharging electrostatic charges with earthing of the spiral ends on both sides, microbe-resistant, oil and petrol resistant, small bending radii, fluidic optimal, highly abrasion resistant, medium weight, good flexibility, free of halogen and plasticizers, gas-tight, increased pressure and vacuum resistance, high tensile and tear strength and generally good UV and ozone resistance

- **Temperature range:** -40°C / +90°C (briefly up to 125°C)
- **Spiral:** spring steel wire
- **Hose wall:** pure polyester polyurethane (according to DIN ISO 4649 more abrasion resistant than comparable polyether polyurethane)
- **Wall Thickness:** between the spirals approx. 1.4 mm



Article Number	Nominal width (mm)	Operating Pressure (bar)	Vacuum (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
1192.050000-M	50	2,90	0,82	87	0,71	10 / 15
1192.075000-M	75	2,00	0,59	126	1,06	10 / 15
1192.100000-M	100	1,50	0,44	165	1,48	10 / 15
1192.150000-M	150	1,05	0,26	242	2,29	10 / 15
1195.200000-M	200	0,75	0,18	321	3,50	10 / 15

Other nominal sizes on request

POLYURETHANS HOSE, heavy duty

PU hose for the rehabilitation of railway tracks, flat roof graveling, working hose for silo vehicles and loading operations. Suction and transport hose for quarries, cement works, shipyards and port facilities, roof greening, vacuum/suction vehicles, transport of glass wool, rock wool, slag, mill scale and sintered materials.

This design is permanently antistatic, has a surface resistance $RO < 10^9$ Ohm, measured according to DIN EN ISO 8031: 2010-04, is extremely abrasion-resistant according to TRBS 2153 (zone 20) for combustible dusts/bulk goods for discharging electrostatic charges with earthing of the spiral ends on both sides, microbe-resistant, optimal flow, free of halogen and plasticizers, flexible, smooth inner wall, high vacuum and peak pressure resistance, long service life, good chemical resistance, high tensile and tearing strength and generally good UV and ozone resistance.

- **Temperature range:** -40°C / +90°C (briefly up to 125°C)
- **Spiral:** spring steel wire
- **Hose wall:** pure polyester polyurethane (according to DIN ISO 4649 more abrasion resistant than comparable polyether polyurethane)
- **Wall Thickness:** between the spirals approx. 3.5 mm

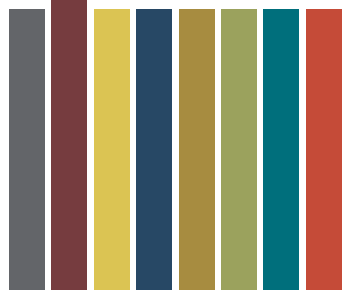


Article Number	Nominal width (mm)	Operating Pressure (bar)	Vacuum (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
1192.050000-S	50	4,85	0,94	150	1,30	10
1192.075000-S	75	4,15	0,94	225	2,10	10
1192.100000-S	100	3,15	0,94	300	3,20	10
1192.125000-S	125	2,55	0,94	325	3,90	10
1192.150000-S	150	2,25	0,94	350	5,10	10

Other nominal sizes on request



MINERAL OIL

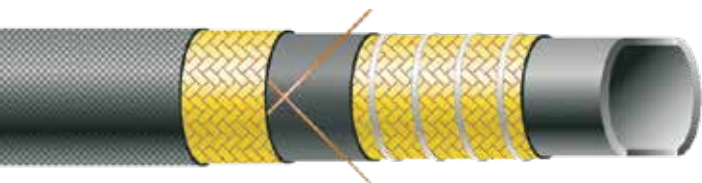


TANK HOSE with spiral, according to EN 12115 - TM1

Robust suction and pressure hose, ideal for loading and unloading of tanks, tank trucks and ships with unleaded fuels (EN228:2008) with an oxygen limit according to EEC 85/536 and an aromatic content up to 50%. Suitable for technical oils, diesel oils (EN 590:2010), heating oils (DIN 51 603 part 1 - 5), hydraulic oils based on mineral oil. Also suitable for applications according to EN 12115 in the petrochemical industry. This hose complies with the Technical Rules for Flammable Liquids (TRbF) 131/2:1992.

Norm/approval: EN 1761:1999, EN 12115:2011 Note: To ensure the tightness of the line, tests must be carried out according to EN 12115:2011.

- **Temperature range:** -30°C / +90°C
- **Safety:** 4:1
- **Core:** NBR, black, smooth, electrically conductive
- **Interfacing:** Textile inserts braided (NW > 3 inch wound), two crossed copper strands, galvanized steel wire spiral
- **Ceiling:** CR, black, electrically conductive, abrasion resistant, oil and weatherproof, fabric impression
- **Marking:** continuous writing band, yellow: Mineral oil/Oil Tankmeister ® 1 SD PN 16 bar R < 106 Ohm" and continuous raised embossing according to EN 1761:1999 and EN 12115:2011 Ω / T.



Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
1660.019060	19	6	16	120	0,85	40
1660.025060	25	6	16	150	1,05	40
1660.032060	32	6	16	175	1,25	40
1660.038065	38	6,5	16	225	1,50	40
1660.045070	45	7	16	260	1,95	40
1660.050070	50	7	16	275	2,40	40
1660.063075	63	7,5	16	300	2,95	40
1660.075075	75	7,5	16	350	3,40	40
1660.100080	100	8	16	450	4,85	40
1660.150011	150	11	16	750	8,45	40

Among others:

suitable fittings for both variants of the tank truck hoses:

VT coupling with female thread -
Details page 85

MT Coupling with female thread -
Details page 85

MT coupling complete with clamping ring with lever- Details page 85



MS-TW-VK



SS-TW-VK



MS-TW-MK
(Kronenring)



SS-TW-MK
(Kronenring)



MS-TW-MK



SS-TW-MK

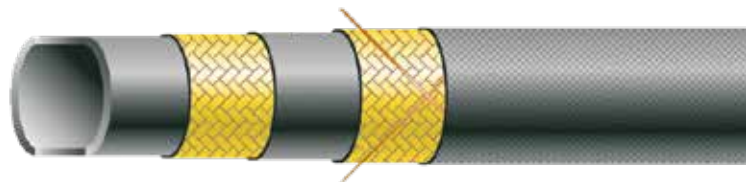
Other materials



TANK VAN HOSE without spiral, according to EN 12115 - TM2

Volume-constant, calibratable reel hose for filling of tanks with unleaded fuels (EN 228:2008) with an oxygen limit according to EEC 85/536 and an aromatic content up to 50%. Suitable for technical oils, diesel oils (EN 590:2010), heating oils (DIN 51 603 part 1 - 5), hydraulic oils on mineral oil basis. Also suitable for applications according to EN 12115 in the petrochemical industry. This hose complies with the Technical Rules for Flammable Liquids (TRbF) 131/2:1992. Standard/approval: EN 1761:1999, EN 12115:2011. Note: To ensure the tightness of the line, tests according to EN 1761:1999 and EN 12115:2011 standards must be carried out.

- **Temperature range:** -30°C / +90°C
- **Safety factor:** 4 : 1
- **Core:** NBR, black, smooth, electrically conductive
- **Interfacing:** Textile inserts braided (NW > 3 inch wound), two crossed copper wires
- **Ceiling:** CR, black, electrically conductive, abrasion resistant, oil and weatherproof, fabric impression
- **Labelling:** continuous writing band, yellow: mineral oil/
Oil Tankmeister® 2 PN 20 bar R < 106 Ohm" and
- continuous raised embossing according to EN 1761:1999 and
- EN12115:2011 Ø /T.



Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
1640.019060	19	6	16	120	0,60	40
1640.025060	25	6	16	150	0,80	40
1640.032060	32	6	16	175	1,05	40
1640.038065	38	6,5	16	225	1,30	40
1640.050080	50	8	16	275	1,90	40
1640.075090	75	9	16	350	2,80	40
1640.100090	100	9	16	450	3,80	40



Tank truck couplings bolted or in one piece according to EN 14420-6 (DIN 28450) - Details page 87



Shell valves with flanges according to EN 14420-2-3-5 (DIN 2817) - Details from page 134-142



Shell fittings according to. EN 14420-2-3-5 (DIN 2817) - Details page 86/148

Other materials



MINERAL OIL MULTI-PURPOSE HOSE TU25

Flexible hose suitable for technical oils, unleaded fuels (EN228:2008), diesel (EN 590:2010) and heating oil (DIN 51 603 part 1-5), as well as for compressed air. Application in industry, garages, petrol stations and service companies. Electrically conductive: Resistance R < 106 Ohm/m (determined according to EN ISO 8031:1997).

Note: Not suitable as a dispensing hose.



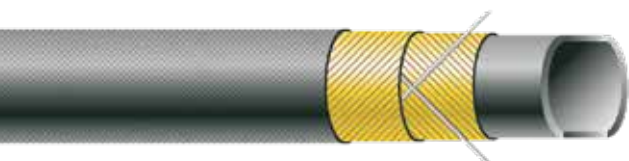
- **Temperature range:** -40°C / +80°C
- **Safety factor:** 3,15 : 1
- **Core:** NBR, black, smooth, electrically conductive
- **Interlining:** textile inserts, corded
- **Cover:** NBR/SBR, black, smooth, abrasion resistant, oil and weatherproof
- **Marking:** continuous marking, white "SEMPERIT S TU 25 oil/air Oil/Air PN 25 bar Conductive R < 106 Ohm/m". Additionally three red longitudinal stripes

Article Number	Inside - Ø in		Wall Thickness (mm)	Outer Ø (mm)	Operating Pressure (max.) bar	Number of deposits	Bending Radius (min.) in mm	Weight kg/m	Roll Length (max.) m
	mm	Inch							
68175 0649	6,0	1/4	4,0	14,0	25	2	40	0,17	100
68175 0849	8,0	5/16	4,0	16,0	25	2	50	0,19	100
68175 1040	10,0	3/8	4,0	18,0	25	2	60	0,23	50
68175 1340	13,0	1/2	4,0	21,0	25	2	80	0,28	50
68175 1645	16,0	5/8	4,5	25,0	25	2	100	0,38	50
68175 1950	19,0	3/4	5,0	29,0	25	2	120	0,50	50
68175 2050	20,0		5,0	30,0	25	2	120	0,52	50
68175 2555	25,0	1	5,5	36,0	25	2	150	0,73	50

TANK CLEANING HOSE, electrically conductive

Specially designed pressure hose for cleaning with water of containers, tanks and tank trucks. Also available with vulcanized flanges.

- **Temperature range:** -35°C / +95°C
- **Safety factor:** 3 : 1
- **Core:** SBR, black, smooth
- **Interfacing:** Textile inserts wound, 2 protruding steel strands **Cover:** SBR, black, abrasion, ozone and weather resistant,
- seawater resistant, fabric impression
- **Marking:** yellow marking tape, radial at a distance of 5 ft (1.525m)



Among others:
matching fittings:
Details page 148

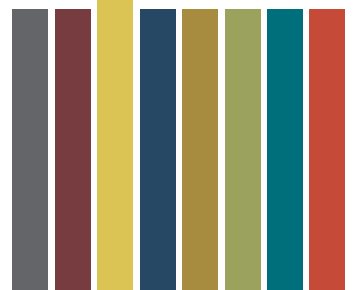


Tank cleaning fitting Shell fittings

Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
1680.038090	38	8	20	250	1,55	20 / 40
1680.050010	51	8	20	300	2,00	20 / 40

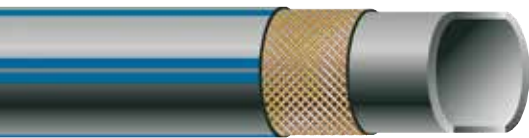


INDUSTRIAL WATER



MULTI-PURPOSE HOSE MP 20 EPDM

Highly flexible multi-purpose hose, with very good resistance to ageing and weathering as well as good abrasion resistance. Suitable for conveying air and water and many chemical products in industry and agriculture (see our resistance list). The high quality EPDM ensures excellent resistance to ozone and weathering. The textile inserts guarantee a very good buckling stability. Safety against electrostatic charge due to electrically conductive hose construction. Resistance $R < 106 \Omega$ (determined according to EN ISO 8031:1997). Note: The temperature of the flow medium must be lower than its boiling point



- **Temperature range:** -40°C / +95°C short-term up to 110°C
- **Safety factor:** 4 : 1
- **Core:** EPDM, black, smooth, electrically conductive
- **Inlay:** Textile inlays corded
- **Cover:** EPDM, black, smooth, electrically conductive, ozone-, weatherproof
- **Labelling:** blue longitudinal stripes, continuous colour signature, white: "SEMPERIT S MP 20-EPDM MULTI PURPOSE PN 20 BAR DN"

Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
1208.006035	6	3,5	20	40	0,15	100
1208.010035	10	3,5	20	60	0,21	100
1208.013040	13	4	20	80	0,30	100
1208.019045	19	4,5	20	115	0,47	50
1208.025050	25	5	20	150	0,67	50

Matching fittings:

Water Couplings
(System Geka)
Details page 122



Worm thread Clamps
Details page 162



Sleeve screw connections
Details page 147



RUBBER WATER HOSE, red

An inexpensive service water hose for various applications in industry, construction sites, ships, ice rinks and skating rinks, sports facilities, workshops, car washes, gardens and parks.



- **Temperature range:** -30°C / +70°C
- **Safety factor:** 3,15 : 1
- **Core:** SBR, black, smooth
- **Inlay:** Textile inlays corded
- **Cover:** SBR/NR, grooved, red
- **Labelling:** none

Matching fittings:

Water Couplings
(System Geka)
Details page 122



Worm thread Clamps
Details page 162

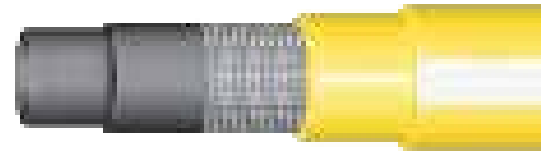


Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
1207.013035	13	3,5	6	200	0,26	50
1207.019045	20	4	6	280	0,44	50
1207.025045	25	4,5	6	340	0,61	50

PVC fabric water hose "SUPERFLEX", yellow

Flexible multi-layer PVC hose with honeycomb soft and flex structure. Suitable for irrigation and cleaning in Agricultural industry, construction industry, gardening and landscaping and agriculture

- **Temperature range:** -15°C / +60°C
- **Safety factor:** 2,5 : 1
- **Core:** 2-layer, smooth hose core
- **Interlining:** knitted fabric interlining
- **Cover:** PVC, very good UV resistance



Matching fittings:

Water Couplings
(System Geka)
Details page 122



Worm thread
Clamps
Details page 162



Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
4015.013000	13	2,25	8	140	0,15	50
4015.019000	19	2,4	6	200	0,27	50
4015.025000	25	3	6	255	0,41	50

RUBBER INDUSTRIAL HOSE

Industrial hose in dark quality suitable for hot and cold water up to 12 bar at maximum 80°C, compressed air up to 10 bar, lyes, chemicals. In addition, this hose is resistant to traces of oil and the cover is resistant to abrasion and weathering.

- **Norm:** ISO R 1307.
- **Temperature range:** -30°C / +80°C
- **Safety factor:** 3 : 1
- **Core:** SBR, black, smooth
- **Interfacing:** textile cord
- **Cover:** SBR, black, fabric patterned



Matching fittings:

Storz- Couplings
Details page 97



Prefabricated clamps
Details page 163



Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operatind Pressure Heiss-/Kaltwasser (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
1209.028045	28	4,5	12	290	0,68	20 / 40
1209.032060	32	6	12	320	1,08	20 / 40
1209.035060	35	6	12	350	1,16	20 / 40
1209.038070	38	7	12	380	1,45	20 / 40
1209.040070	40	7	12	400	1,51	20 / 40
1209.042070	42	7	12	420	1,55	20 / 40
1209.045070	45	7	12	450	1,82	20 / 40
1209.048070	48	8	12	480	1,88	20 / 40
1209.050060	50	6	12	500	1,95	20 / 40
1209.060080	60	8	12	600	2,15	20 / 40
1209.065080	63	8	12	630	2,35	20 / 40
1209.075080	75	8	12	760	2,78	20 / 40
1209.080070	80	7	12	800	2,95	20 / 40
1209.090070	90	7	12	900	3,15	20 / 40
1209.100070	100	7	12	1020	3,45	20 / 40

RUBBER SUCTION AND PRESSURE HOSE, 16 bar Bd., 48 bar Space pressure

Suction and delivery hose for heavy duty use for media such as waste water, sewage and service water.



- **Temperature range:** -35°C / +80°C.
- **Safety factor:** 3 : 1
- **Core:** SBR, black, smooth.
- **Interfacing:** TTextile wrapped, zinc plated double steel wire helix (DN > 50,0 zinc plated steel wire helix).
- **Cover:** SBR, black, resistant to ozone and weather, abrasion resistant, cloth impression.
- **Marking:** continuous mylartape, white letters: "SEMPERIT (S) IFSD WATER S&D WP 10 BAR Made in Europe".

Article Number	Inside - Ø in		Wall Thick-ness (mm)	Outer Ø (mm)	Operatind Pressure (max.) bar	Number of deposits	Bending Radius (min.) in mm	Weight kg/m	Roll Length (max.) m
	mm	Inch							
64601 5080	50,0		8,0	66,0	16	2	200	2,30	40
64601 7580	75,0		8,0	91,0	16	4	350	3,45	40
64601 8080	80,0		8,0	69,0	16	4	450	3,65	40
64601 0290	102,0	4	9,0	120,0	16	4	500	4,40	40
64601 0590	127,0	5	9,0	145,0	16	4	600	5,90	40
64601 0611	152,0	6	11,0	174,0	16	4	800	9,00	40
64601 0811	203,0	8	11,0	225,0	16	6	1100	12,60	40

Vacuumbeständigkeit bis -0,9 bar

RUBBER SUCTION AND PRESSURE HOSE, 10 bar Bd., 30 bar Space pressure

Suction and delivery hose for heavy duty use for media such as waste water, sewage and service water.



- **Temperature range:** -35°C / +80°C.
- **Safety factor:** 3 : 1
- **Core:** SBR, black, smooth.
- **Interfacing:** TTextile wrapped, zinc plated double steel wire helix (DN > 50,0 zinc plated steel wire helix).
- **Cover:** SBR, black, resistant to ozone and weather, abrasion resistant, cloth impression.
- **Marking:** continuous mylartape, white letters: "SEMPERIT (S) IFSD WATER S&D WP 10 BAR Made in Europe".

Article Number	Inside - Ø in		Wall Thick-ness (mm)	Outer Ø (mm)	Operatind Pressure (max.) bar	Number of deposits	Bending Radius (min.) in mm	Weight kg/m	Roll Length (max.) m
	mm	Inch							
48600 2550	25,0	1	5,0	35,0	10	2	100	0,81	40
48600 3550	32,0	1 1/4	5,0	42,0	10	2	120	0,88	40
48600 3850	38,0	1 1/2	5,0	48,0	10	2	150	1,13	40
48600 5050	50,0		5,0	60,0	10	2	200	1,55	40
48600 6360	63,5	2 1/2	6,0	75,5	10	4	300	2,1	40
56600 7560	75,0		6,0	87,0	10	4	350	2,35	40
56600 7660	76,2	3	6,0	88,2	10	4	350	2,5	40
56600 9070	90,0		7,0	104,0	10	4	450	2,7	40
56600 0270	102,0	4	7,0	116,0	10	4	500	3,68	40
56600 2780	127,0	5	8,0	145,0	10	4	600	5,70	40
56600 5285	152,0	6	8,5	172,0	10	4	800	7,52	20
56600 0310	203,0	8	10,0	223,0	10	4	1100	11,60	20
56600 5411	254,0	10	11,0	276,0	10	4	1500	14,00	20

Vacuumbeständigkeit bis -0,9 bar

PVC FABRIC HOSE, transparent

For conveying highly abrasive media. Developed as delivery hose for concrete pumps. Long service life due to abrasion-resistant core.

- **Temperature range:** -20°C / +60°C
- **Safety factor:** 3 : 1
- **Core:** PVC, transparent, smooth
- **Interfacing:** Fabric
- **Seele/ Cover:** PVC, transparent, smooth

Matching fittings: Storz- Couplings Details page 084

Quick Closing - couplings Details page 094

2-Ear Clamps Details page 123

Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
4010.004030	4	3	20	24	0,09	50
4010.006030	6	3	20	36	0,10	50
4010.008030	8	3	20	48	0,13	50
4010.009030	9	3	20	54	0,14	50
4010.010030	10	3	20	60	0,15	50
4010.013030	13	3,5	20	78	0,23	50
4010.016040	16	4	20	96	0,31	50
4010.019040	19	4	20	114	0,35	25/50
4010.025045	25	4,5	15	150	0,51	25/50
4010.032050	32	5	15	192	0,71	25/50
4010.038050	38	5	10	228	0,82	25/50
4010.045050	45	5	10	270	1,18	25/50
4010.050050	50	5	10	300	1,49	25/50

PVC FABRIC HOSE, BLUE/RED transparent



PVC HOSE, crystal clear

Suitable as cable protection conduit, limited chemical resistance, for pressureless applications in industry and laboratory technology.

- **Temperature range:** -15°C / +60°C
- **Norm:** EU 10/2011 Cat. A, B, C.
- **Safety factor:** 3 : 1
- **Vacuum:** 0,8 bar
- **Core/ Cover:** PVC, transparent
- **Deposit:** Without



Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Weight (kg/m)	Roll Length (m)
4012.000000 + NW	6	1,5 / 2	-	0,05 / 0,06	100
4012.000000 + NW	9	2	-	0,09	50
4012.000000 + NW	13	2,5	-	0,16	50
4012.000000 + NW	19	4	-	0,37	50
4012.000000 + NW	25	3	-	0,34	50
4012.000000 + NW	32	4	-	0,58	50
4012.000000 + NW	38	5	-	0,86	50
4012.000000 + NW	50	5	-	1,10	50

Other nominal sizes on request

PVC HOSE WITH STEEL HELIX, transparent

Robust, highly flexible suction and pressure hose smooth inside and outside with very high pressure and vacuum values. It is suitable for conveying food, beverages (water, liquids containing alcohol), waste water or chemical substances, but also for transporting granulates in the plastics industry, groundwater lowering, paper industry, printing machines, compressed air technology, agriculture or mechanical engineering.

- **Temperature range:** -15°C / +60°C
- **Standard:** EU 10/2011 Kat. A, B, C
- **Vacuum:** 0,9 bar
- **Construction:** PVC, transparent, smooth with embedded steel wire spiral



Article Number	Nominal Width (mm)	Operating pressure at 20°C (bar)	Bending Radius (mm)	Vacuum (bar)	Weight (kg/m)	Roll Length (m)
4035.020000	20	8	60	0,9	0,36	50
4035.025000	25	8	75	0,9	0,50	50
4035.032000	32	8	96	0,9	0,68	50
4035.038000	38	7	114	0,9	0,82	50
4035.050000	50	5	150	0,9	1,28	50
4035.075000	75	4	225	0,9	2,40	30
4035.100000	100	3	300	0,9	3,80	20

PVC-SPIRAL HOSE “Hanseat”

For pumping process water and liquid manure under medium-heavy operating conditions. Suitable for irrigation, sewerage and cesspit cleaning, as manure hose in agriculture, on municipal vehicles, in the printing industry and in mechanical engineering. High quality plastic compound for better cold flexibility.

- **Temperature range:** -25°C / +60°C
- **Vacuum:** 0,9 bar
- **Construction:** Plastic, grey, with welded, blue or green PVC spiral on the outside
- **Bending Radius:** 3,5 x inner diameter



Article Number	Nominal Width (mm)	Wand (mm)	Operating pressure at 20°C (bar)	Weight (kg/m)	Roll Length (m)
4040.050000	50	5,7	5	0,95	50
4040.075000	75	6	4	1,60	50
4040.080000	80	6	3,5	1,70	50
4040.100000	100	6,7	3	2,20	50
4040.150000	150	9	2	4,20	20

Among others:

Suitable fittings for all PVC- tubes of this double page

Kamlok-Quick couplings Details page 91



Storz- Couplings Details page 97



PVC-SPIRAL HOSE STANDARD, green

For the use of water in many branches of industry under light conditions. The smooth inner wall prevents deposits. Suitable for use in the agricultural industry, construction industry, gardening and landscaping, as well as mechanical engineering for conducting water, acids, bases and alkalis, suction and pressure hose in many areas of industry, for irrigation and drainage projects in agriculture and fertiliser distribution

- **Temperature range:** -15°C / +60°C
- **Standard:** EU 10/2011 Cat. A, B, C
- **Vacuum:** 0,6 bar
- **Construction:** plastic, green transparent, smooth with embedded white PVC spiral



Article Number	Nominal Width (mm)	Operating pressure briefly (bar)	Bending Radius (mm)	Vacuum (bar)	Weight (kg/m)	Roll Length (m)
4030.013000	13	7	55	0,6	0,14	50
4030.019000	19	7	80	0,6	0,20	50
4030.025000	25	7	110	0,6	0,25	50
4030.032000	32	7	140	0,6	0,32	50
4030.038000	38	6	180	0,6	0,42	50
4030.050000	50	5	240	0,6	0,64	50
4030.060000	60	5	270	0,6	0,77	50
4030.075000	75	4	370	0,6	1,15	50
4030.100000	100	4	500	0,6	1,71	50

PVC-SPIRAL HOSE „GROUPE 144”

Spiral hose for heavy-duty applications in industry, agriculture and waste disposal services, including irrigation, sewerage and cesspit cleaning, as manure hose in agriculture, on municipal vehicles, in the printing industry and in mechanical engineering. Excellent low-temperature flexibility, resistant to industrial chemicals, oil-containing and abrasive materials.

- **Temperature range:** -40°C / +60°C
- **Standard:** ISO R 1307
- **Vacuum:** 0,9 bar
- **Construction:** PVC Buna soft silver-grey, PVC spiral white and PVC Buna blanket soft silver grey, corrugated



Article Number	Nominal Width (mm)	Operating Pressure (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
4043.075000	75	4	240	1,75	50
4043.080000	80	3	250	1,95	50
4043.090000	90	3	290	2,15	50
4043.100000	100	3	320	2,70	50

Kardan- Couplings Details page. 94/95



Pivot pin- Clamps Details page 163



RUBBER RADIATOR HOSE - EPDM

Radiator hose for internal combustion engines. Good resistance to ageing under the influence of hot water, hot air and antifreeze. Ozone resistant

- **Temperature range:** -40°C / +100°C
- **Safety factor:** 2,5 : 1
- **Core:** EPDM, black, smooth
- **Inlay:** Polyester inserts corded
- **Ceiling:** EPDM, black, smooth, weather and ozone resistant
- **Marking:** continuous colour marking, white: "SEMPERIT S FKD Cooling Water id x wd >EPDM/PES/EPDM< quarter/year"



Article Number	Nominal Width (mm)	Wall Thickness (mm)	Material	Operating Pressure (bar)	Bending Radius (mm)	Weight (kg/m)	Roll/cut lengths(m)
1320.010035	10	3,5	EPDM	6	60	0,21	40 / 1
1320.012035	12	3,5	EPDM	6	70	0,25	40 / 1
1320.015035	15	3,5	EPDM	6	90	0,30	40 / 1
1320.018035	18	3,5	EPDM	6	110	0,35	40 / 1
1320.020035	20	3,5	EPDM	6	120	0,38	40 / 1
1320.022035	22	3,5	EPDM	6	135	0,41	40 / 1
1320.025035	25	3,5	EPDM	6	150	0,46	40 / 1

RUBBER RADIATOR HOSE - SBR

Cooling water pressure hose for internal combustion engines. Hot water and antifreeze resistant core and cover

- **Temperature range:** -35°C / +100°C
- **Safety factor:** 3,15 : 1
- **Core:** SBR, black, smooth
- **Interlining:** Textile inserts wound.
- **Cover:** SBR, black, fabric impression
- **Labelling:** continuous colour marking in white: "SEMPERIT S FKS Cooling Water DN PN 3 bar 100°C" DN PN 3 bar 100°C"



Article Number	Nominal Width (mm)	Wall Thickness (mm)	Material	Operating Pressure (bar)	Deposits	Weight (kg/m)	Roll/cut lengths(m)
1320.028035	28	4	SBR	3	2	0,52	40 / 1
1320.030035	30	4	SBR	3	2	0,55	40 / 1
1320.032035	32	4	SBR	3	2	0,65	40 / 1
1320.035035	35	4	SBR	3	2	0,75	40 / 1
1320.038035	38	4	SBR	3	2	0,80	40 / 1
1320.040040	40	4	SBR	3	2	0,85	40 / 1
1320.042040	42	4	SBR	3	2	0,90	40 / 1
1320.045045	45	4,5	SBR	3	2	1,05	40 / 1
1320.048045	48	4,5	SBR	3	2	1,10	40 / 1
1320.050045	50	4,5	SBR	3	2	1,10	40 / 1
1320.055045	55	4,5	SBR	3	2	1,15	40 / 1
1320.060050	60	5	SBR	3	2	1,40	40 / 1
1320.065050	65	5	SBR	3	2	1,50	40 / 1
1320.070050	70	5	SBR	3	2	1,65	40 / 1
1320.075050	75	5	SBR	3	2	1,75	40 / 1
1320.080050	80	5	SBR	3	2	1,80	40 / 1
1320.085050	85	5	SBR	3	2	1,90	40 / 1
1320.090050	90	5	SBR	3	2	2,05	40 / 1
1320.100050	100	5	SBR	3	2	2,35	40 / 1
1320.110060	110	6	SBR	3	2	3,10	40 / 1
1320.120060	120	6	SBR	3	2	3,35	40 / 1
1320.130080	130	7	SBR	3	2	3,55	40 / 1

SEWER RINSING HOSE

Pressure hose for use on sewer rinsing vehicles for cleaning sewers in industry, trade and infrastructure. Highly economical due to highly abrasion-resistant, weatherproof cover. (abrasion according to EN ISO6945:2000, max 0.5g [100N]). The smooth surface reduces the sliding resistance, is dirt-repellent and easy to clean.

- **Temperature range:** -35°C / +80°C
- **Safety factor:** 2,5 : 1
- **Core:** SBR, black, smooth
- **Interfacing:** Textile inserts braided
- **Cover:** NR/BR, black, smooth, highly abrasion resistant, weatherproof
- **Marking:** continuous embossing, orange: „SEMPERIT S IK 25 PN 250 bar month/year ZH 1/406“



As a standard, steel press fittings with BSP threaded connections (AGR + DKR) with a 60° sealing cone are used. Other connection types on request.

Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Number of deposits	Bending Radius (mm)	Weight (kg/m)
1215.013060	13	6	250	2	70	0,46
1215.019060	19	6	250	2	95	0,61
1215.025070	25	7	250	2	110	0,86
1215.032080	32	8	250	2	150	1,27

Roll length: 40 m, 60 m, 80 m, 100 m, 120 m, 150 m, 160 m, 180 m, 200 m (up to and including DN25). Other lengths on request

UNIVERSAL-FLAT HOSE RUBBERIZED Syntex, black

For use in industry, construction, sewerage, demolition, gardening, agriculture, refineries, compressors as well as pneumatic and pneumatic tools. This universal flat hose has a high abrasion resistance and durability due to longitudinal ribs. If the outer cover is damaged, it can be repaired without any problems. This hose is care and maintenance-free, extremely resistant to ageing, ozone and UV radiation. Low friction loss due to smooth inner rubber coating. Suitable for seawater, hot water, oil, petrol, many chemicals

- **Temperature range:** -40°C bis +100°C
- **Safety factor:** 3 : 1
- **Core:** very smooth for minimum pressure drop
- **Fabric:** made of 100 % high tenacity synthetic polyester yarn, round woven, embedded in the rubber coating, therefore optimal Protection of the print substrate. High-quality nitrile/PVC compound is produced by extrusion pressed through the fabric (standard colours: black and yellow; others on request).
- **Cover:** longitudinal ribs for excellent abrasion resistance



Matching fittings:

Storz- Couplings. Details page 97



Claw- Couplings. Details page 125



RD cone valves crew connections. Details page 128



Malleable Cast Iron couplings. Details page 164



Article Number	NW (mm)
B90829	Flachschlauch, gummiert bds. STORZ C Länge: 20,00 mtr. komplett montiert
B90830	Flachschlauch, gummiert bds. STORZ B Länge: 20,00 mtr. komplett montiert
B90828	Flachschlauch, gummiert bds. STORZ A Länge: 20,00 mtr. komplett montiert
B90831	Flachschlauch NW 50, gummiert / Rollenware Länge: 100,00 mtr. Rolle,lose
B90832	Flachschlauch NW 75, gummiert / Rollenware Länge: 100,00 mtr. Rolle, lose
-	Flachschlauch NW 100, gummiert / Rollenware Länge: 100,00 mtr. Rolle, lose

SYNTHETIK CONSTRUCTION +INDUSTRIAL HOSE, white

For use in industry, construction, gardening, agriculture and technical support services. Suitable for seawater, hot water and many chemicals. Features: Very light and flexible hose quality, care and maintenance free, extremely age-resistant, resistant, ozone and UV-resistant, excellent abrasion resistance, low friction loss due to smooth inner rubber coating.

- **Temperature range:** -40°C bis +100°C
- **Safety factor:** 3 : 1
- **Core:** high-quality, synthetic manchon on EPDM basis
- **Blanket:** 100% high strength synthetic fabric Polyester yarn (colour: natural white), round woven in twill weave, warp and weft multiple twisted



Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Space Pressure (bar)	Weight (kg/m)	Theoretical tensile strength (kg)
3010.025000	25	1,45	14	40	0,12	2,30
3010.038000	38	1,55	14	40	0,18	3,20
3010.042000	C/42	1,55	14	40	0,23	4,20
3010.052000	C/52	1,55	14	40	0,28	5,80
3010.075000	B/75	1,65	14	40	0,46	8,60
3010.100000	A/100	1,90	12	35	0,64	9,50
3010.110000	A/110	1,90	12	35	0,76	11,70

UNIVERSAL FLAT HOSE, WITH MOUNTED STORZ HOSE ENDS:

Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Theoretical tensile strength (kg)	Weight (kg/Length)	Length (m)
3020.052005	C/52	1,55	14	5,80	1,96	5
3020.052010	C/52	1,55	14	5,80	3,21	10
3020.052015	C/52	1,55	14	5,80	4,46	15
3020.052020	C/52	1,55	14	5,80	5,71	20
3020.052025	C/52	1,55	14	5,80	6,96	25
3020.052030	C/52	1,55	14	5,80	8,21	30
3020.075015	B/75	1,65	14	8,60	7,64	15
3020.075020	B/75	1,65	14	8,60	9,74	20
3020.075025	B/75	1,65	14	8,60	11,84	25
3020.075030	B/75	1,65	14	8,60	13,94	30

also available as

SYNTHETIC CONSTRUCTION+INDUSTRIAL HOSE, PU

Increased abrasion and flame resistance due to outer coating (better protection against flying sparks), very light and flexible hose quality, care and maintenance-free, extremely resistant to ageing, ozone and UV radiation, excellent abrasion resistance, cold resistant to -40 °C, heat resistant to +100 °C, low friction loss due to smooth inner rubber coating, suitable for sea water, hot water and many chemicals..

- **Core:** high-quality, synthetic manchon on EPDM basis
- **Fabric:** made of 100% high-tenacity synthetic polyester yarn, round weave in twill weave, warp and weft twisted several times
- **Cover:** polyurethane coating (standard colour: red).



DRINKING WATER FLAT HOSE Syntex Aquadur

Suitable for use in municipal water management, emergency drinking water supply, drinking water transfer, food industry and for technical auxiliary services. This hose is characterised by its excellent abrasion resistance and durability for extremely high stresses and strains. It has excellent tensile strength, is easy to clean and disinfect and is also extremely resistant to ageing as well as ozone and UV radiation and has a low friction loss and minimal longitudinal elongation

- **Temperature range:** -50°C bis +75°C
- **Safety factor:** 3 : 1
- **Approvals:** KTW recommendation category A, DVGW W270, BS6920-1:2000 (WRAS)
- **Core:** very smooth for minimum pressure drop
- **Fabric:** made of 100 % high strength synthetic Polyester yarn, completely embedded in high quality thermoplastic polyurethane (TPU is for drinking water suitable), is extruded through the fabric in an extrusion process pressed (standard colour: blue), therefore optimal protection of the print medium
- **Top:** smooth, excellent abrasion resistance



SYNTHETIC-FIRE HOSE according to DIN 14811 - Syntex 3F, natural white

Suitable for sea water, hot water and many chemicals. Very light and flexible hose quality, care and maintenance-free, extremely resistant to ageing as well as ozone and UV radiation, excellent abrasion resistance, low friction loss due to smooth inner rubber lining. According to DIN 14811:2008-01+A2:2014-08, according to BS 6391:2009 Type 1, M.E.D. 96/98/EC, ÖNORM F2105, Germanischer Lloyd

- **Temperature range:** -40°C bis +100°C
- **Safety factor:** 3 : 1
- **Core:** high-quality, synthetic manchon on EPDM basis
- **Blanket:** 100% high strength synthetic fabric Polyester yarn (colour: natural white), round woven in Twill weave, warp and weft multiple twisted



Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Space Pressure (bar)	Weight (kg/m)	Theoretical tensile strength (kg)
3050.052000	C/52	1,65	20	60	0,29	5,8
3050.075000	B/75	1,75	20	60	0,48	8,6
3050.110000	A/110	1,95	12	35	0,78	11,7

SYNTHETIC-FIRE HOSE according to DIN 14811 -

Syntex 3F PU, red coated

Suitable for sea water, hot water and many chemicals. Increased abrasion and flame resistance due to outer coating, better protection against flying sparks, very light and flexible hose quality, care and maintenance-free, extremely resistant to ageing as well as ozone and UV radiation, excellent abrasion resistance, low friction loss due to smooth inner rubber coating. According to DIN 14811:2008-01+A2:2014-08, according to BS 6391:2009 Type 2, M.E.D. 96/98/EC, German Lloyd

- **Temperature range:** -40°C bis +100°C
- **Safety factor:** 3 : 1
- **Core:** high-quality, synthetic manchon on EPDM basis
- **Fabric:** made of 100 % high strength synthetic Polyester yarn, round woven in twill weave, warp and weft multiple twisted
- **Ceiling:** Polyurethane coating (standard colour: red)



Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Space Pressure (bar)	Weight (kg/m)	Theoretical tensile strength (kg)
3060.052000	C/52	1,65	20	60	0,32	5,8
3060.075000	B/75	1,75	20	60	0,51	8,6

Other dimensions on request.

SYNTHETIC-FIRE HOSE according to DIN 14811 -

Syntex Color, bright yellow

Suitable for fire brigades, industry, shipping, military as well as for technical emergency services. Due to fluorescent signal colouring ideal for use in smoke and darkness, active safety. Reduces the risk of accidents during operation. Very light and flexible hose quality, care and maintenance-free, extremely resistant to ageing as well as ozone and UV radiation, excellent abrasion resistance, low friction loss due to smooth inner rubber lining. Suitable for seawater, hot water and many chemicals.

According to DIN 14811:2008-01+A2:2014-08, German Lloyd.

- **Temperature range:** -40°C bis +100°C
- **Safety factor:** 3 : 1
- **Core:** high-quality, synthetic manchon on EPDM basis
- **Inlay/blanket:** fabric made of 100 % high strength synthetic Polyester yarn (colour: bright yellow dyed), round woven in Twill weave, warp and weft twisted several times.

This hose is available in diameters C/42 mm, C/52 mm and B/75 mm, in the following performance levels:

- L1 - power level 1 - Syntex signal (yellow)
- L2 - power stage 2 - Syntex Signal Extra (yellow)
- L3 - power stage 3 - Syntex signal Robust (yellow)





STEAM/HOT WATER



STEAM HOSE WITH STEEL WIRE INSERTS - DS1

Suitable for conveying saturated steam and hot water. Feature: electrically conductive: resistance $R < 106 \text{ Ohm}$. Successfully tested and used many times in the chemical industry. Norm/approval: EN ISO 6134:2005 type 2, class A; (replaces: DIN 2825:1994). The hose is in accordance with DIN 2825:1994, which has been replaced by EN ISO 6134:2005. Note: Superheated steam considerably reduces the service life of the hose! Please refer to our saturated steam table.



- **Temperature range:** +210°C (saturated steam), +120°C (hot water)
- **Safety factor:** steam 10 : 1, water 3,15 : 1
- **Core:** EPDM, black, smooth, electrically conductive
- **Insert:** steel wire inserts braided, galvanized
- **Cover:** EPDM, black, electrically conductive, fabric patterned
- **Marking:** continuous writing band, red: „SEMPERIT S DS1 Saturated Steam 210°C Sempersteam PN 18 bar $R < 106 \text{ Ohm}$ ” as well as opposite, red embossing according to EN ISO 6134 (for EN dimensions).

Matching fittings:

Bowl verscrew connections
Details page. 88



Bowl fittings with flanges
Details page 141/142



Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)		Deposits number	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
			Saturated steam	hot water				
68706 1360	13	6	18	55	2	80	0,55	40
48706 1660	16	6	18	55	2	90	0,60	40
48706 1960	19	6	18	55	2	110	0,70	40
48706 2575	25	7,5	18	55	2	180	1,10	40
48706 3280	32	8	18	55	2	250	1,55	40
48706 3880	38	8	18	55	2	300	1,80	40
48706 5090	50	9	18	55	2	420	2,65	40

STEAM HOSE WITH STEEL WIRE INSERTS- DS2

Suitable for conveying saturated steam and hot water. Standard/approval: According to BS 5342:1985 2A. ATTENTION: Superheated steam (e.g. 18bar, 232°C) reduces the life of the hose considerably! Other lengths (up to 60 m) for NW up to 25 mm available on request.



- **Temperature range:** +210°C (saturated steam), +95°C (hot water)
- **Safety factor:** steam 10 : 1, water 3,15 : 1
- **Core:** EPDM, black, smooth, electrically conductive
- **Core:** Steel wire core braided
- **Cover:** EPDM, black, fabric impression
- **Marking:** continuous embossing tape: “SEMPERIT S DS2 STEAM HOSE BS 5342:2A DN MM/YY 18bar/210°C 250psi/410°F DRAIN AFTER USE”.

Matching fittings:

Bowl verscrew connections
Details page.106



Bowl fittings with flanges
Details page 141/142



Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)		Deposits number	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
			Saturated steam	hot water				
68700 1355	13,5 *	5,5	18	50	1	80	0,50	40
68700 1960	19	6	18	50	1	110	0,65	40
68700 2565	25	6,5	18	50	2	170	1,00	40
48700 3270	32	7	18	50	2	150	1,30	40
48700 3875	38	7,5	18	50	2	200	1,55	40
48700 5180	50,8	8	18	50	2	300	2,15	40
48700 7685	76,2 *	8,5	18	50	2	450	3,40	40

STEAM HOSE, red - DS3

Suitable for conveying saturated steam and hot water. For use in industry, the automotive sector (workshops) and processing plants. Good resistance to many commercial cleaning agents. Note: Overheated steam considerably reduces the service life of the hose. Please refer to our saturated steam table.

- **Temperature range:** +164°C (saturated steam), +95°C (hot water)
- **Safety factor:** steam 10 : 1, water 3,15 : 1
- **Core:** SBR/EPDM, black, smooth, antistatic.
- **Inlay:** Textile inserts wound.
- **Cover:** SBR/NBR, red, limited resistance to grease and oil, Fabric impression.
- **Labelling:** continuous writing band, black: "SEMPERIT S DS3 Saturated Steam 164°C Sempersteam PN 6 bar.



Matching fittings:

Shell fittings
Details page 106



Bowl fittings
with flanges
Details page 141/142



Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)		Deposits number	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
			Saturated steam	hot water				
48446 1350	13	5	6	18	2	80	0,35	40
48446 1660	16	6	6	18	2	95	0,55	40
48446 1960	19	6	6	18	2	115	0,60	40
48446 2570	25	7	6	18	2	150	0,90	40
48446 3270	32	7	6	18	2	195	1,05	40
48446 3890	38	9	6	18	2	230	1,65	40
48446 5010	50	10	6	18	2	300	2,40	40

HOT AIR COMPRESSOR HOSE

Compressor hose for use on silo vehicles as connection between unloading compressor and silo. Long service life due to heat-resistant rubber compounds. High burst resistance and good cross-sectional and kink stability due to the use of two steel wire braids.

- **Temperature range:** -40°C / +160°C
- **Safety factor:** 6 : 1
- **Core:** EPDM, black, smooth, resistant to hot air
- **Interfacing:** Steel wire core braided
- **Cover:** EPDM, black, abrasion resistant, weatherproof, fabric impression
- **Labelling:** continuous embossing tape, with coloured underlay: "SEMPERIT S FHKS Hot Air Compressor/Hot Air Blower 160°C PN 25 bar".



Matching fittings:

Storz coupling
with shell binding
Details page 98



Tanker truck fittings
Details page 87



Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Deposits number	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
1540.050070	51	8	25	2	250	2,40	40
48401 6080	60	8	25	2	320	3,10	40
48401 6580	65	8	25	2	350	3,40	40
1540.075070	75	8	25	2	450	4,00	40

HOT WATER HOSE

Mainly used as cooling or hot water hose in the iron and steel industry. The vulcanised glass fabric cover serves as protection against external temperature influences, radiant heat and flying sparks. On request: with three glass fabric layers, white core and Nomex® layer. Note: Note different operating pressures.

- **Temperature range:** +95°C for hot water, Radiation temperature approx. 300°C (with a levy - DH1), approx. 500°C (with three levies - DH3)
- **Safety factor:** 3,15 : 1 Core: SBR, schwarz, glatt
- **Core:** SBR, black, smooth
- **Interfacing:** Textile interfacing wound
- **Cover:** Fibreglass cover



Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operatind Pressure (bar)	Number of deposits	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
48337 1355	13	5,5	12	2	50	0,50	40
48337 1955	19	5,5	12	2	95	0,60	40
48337 2560	25	6,0	12	2	125	0,75	40
48337 3260	32	6,0	12	2	160	1,00	40
48337 3560	35	6,0	12	2	175	1,15	40
48337 3870	38	7,0	12	2	190	1,35	40
48337 3880	38	8,0	12	2	200	1,55	40
48337 4070	40	7,0	10	2	200	1,45	40
48337 5070	50	7,0	8	2	250	1,75	40

Matching fittings: Shell fittings Details page 106



Bowl fittings with flanges Details page 141/142

STEAM HOSE (low pressure)

For cleaning with hot water or steam. The hose cover is resistant to lactic acid as well as animal and vegetable fats (except poultry fat) and does not stain. Note: Drain water or steam after use.

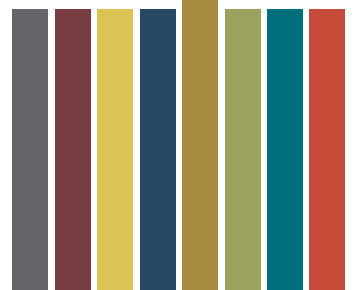
- **Temperature range:** -40°C / maximum +164°C
- **Safety factor:** 1:10
- **Core:** EPDM, black, smooth
- **Interfacing:** Textile
- **Cover:** EPDM, black, fabric patterned, perforated
- **Marking:** Steam hose PN 7 Bar - Max. 164° C



Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operatind Pressure (bar)	Burst pressure at 20°C (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
1420.010050	10	5,5	7	70	100	0,28	40
1420.013050	13	5,5	7	70	130	0,40	40
1420.019070	19	7	7	70	190	0,60	40
1420.025070	25	7	7	70	250	0,78	40
1420.032070	32	7,5	7	70	320	1,05	40
1420.038090	38	9	7	70	380	1,23	40
1420.050090	50	9	7	70	500	1,69	40
1420.063010	63	10	7	70	630	2,09	40
1420.076011	76	11	7	70	760	2,41	40



FOOD HOSES

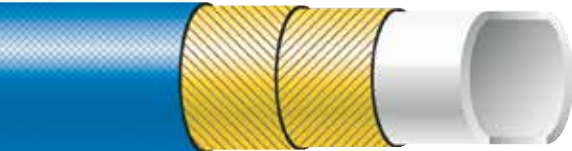


DRINKING WATER HOSE LMW

Flexible quality hose for pressure loads in the food and beverage industry. Special development for drinking water; LMWAqualine® is suitable for drinking water according to DVGW worksheet W270 and KTW (Cat.A), tested on the hose and thus approved and certified as a product. This hose is hygienic and microbiologically safe. Kink-resistant and robust with low weight. Odourless and tasteless. High temperature resistance. Norm/approval: KTW (Cat. A), DVGW W270, VP549.

Note: Drinking water hoses must be cleaned and rinsed before initial use. Very good resistance to many aggressive

Detergent. Not suitable for dry conveying



- **Temperature range:** -35°C / +95°C. For Drinking water up to +40°C Steam cleaning with max. 130°C / 30 min, pressureless
- **Safety factor:** 3,15 : 1
- **Core:** UPE, transparent, smooth, food safe, grease resistant, suitable for drinking water
- **Interfacing:** Textile interfacing wound
- **Cover:** EPDM, blue, abrasion resistant, conditionally oil and grease resistant, fabric impression
- **Labelling:** continuous writing band, white: "SEMPERIT S LMW-AQUALINE® Drinking water PN 20 bar KTW A, DVGW-W270, VP549, DVGW DW 0309CN0086"

Matching fittings:

Geka Plus
Couplings
Details page 123



Milk pipe fittings
Details page 149



Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Deposits number	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
48254 1336	13	3,6	20	2	75	0,30	40
48254 1942	19	4,2	20	2	110	0,40	40
48254 2545	25	4,5	20	2	145	0,60	40

DRINKING WATER FLAT HOSE Syntex Aquadur

Suitable for use in municipal water management, emergency drinking water supply, drinking water transfer, food industry and for technical auxiliary services. This hose is characterised by its excellent abrasion resistance and durability for extreme stress. In addition, it has excellent tensile strength, is easy to clean and disinfect, is extremely resistant to aging as well as ozone and UV radiation and has low friction loss and minimal longitudinal elongation..

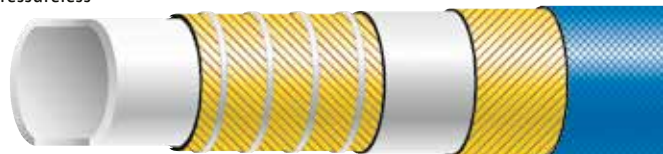
- **Temperature range:** -50°C bis +75°C
- **Safety factor:** 3 : 1
- **Approvals:** KTW recommendation category A, DVGW W270, B56920-1:2000 (WRAS)
- **Core:** very smooth for minimum pressure drop
- **Fabric:** made of 100 % high strength synthetic Polyester yarn, completely embedded in high-quality thermoplastic polyurethane (TPU is suitable for drinking water), is extruded through the fabric pressed (standard colour: blue), thereby optimal protection of the print substrate
- **Top:** smooth, excellent abrasion resistance



MILK COLLECTING TRUCK HOSE LME

Highly flexible spiral suction and pressure hose for loading and unloading milk collection trucks, but also for use in the food and beverage industry for conveying alcoholic and soft drinks. Extreme flexibility due to special rubber materials and insert construction. Norm/approval: BfR (formerly BgVV) XXI:2002 (Cat. 2), FDA (CFR 21§177.2600). Easy cleaning due to smooth core. Available with plastic spiral upon request. Note: Not suitable for dry conveying.

- **Temperature range:** -35°C / +80°C, steam cleaning with max. 130°C / 30 min, pressureless
- **Safety factor:** 3,15 : 1
- **Vacuum:** up to 0,9 bar
- **Soil:** NR, white, smooth, food safe
- **Insert:** textile inserts wound, galvanized steel wire spiral
- **Ceiling:** NR, blue, abrasion resistant, weatherproof, Fabric impression
- **Labelling:** continuous writing band, white: "SEMPERIT S LME MILKYLINE - NR Dairy/Milk SD PN 6 bar".



Matching fittings:

Shell fittings
Details page 148



Milk pipe fittings
Details page 149



Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Deposits number	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
56300 3855	38	5,5	6	2	76	1,40	40
56300 3855	45	5,5	6	2	90	1,50	40
56300 5055	50	5,5	6	2	100	1,60	40
56300 6360	63	5,8	6	2	126	2,00	40
56300 7664	76,2	6,4	6	2	140	2,60	40
56300 8070	80	6,8	6	2	240	3,05	40
56300 8970	89	6,8	6	2	315	3,15	40
56300 1070	101,6	7,0	6	2	350	3,30	40

HOSE FOR FATTY FOOD PRODUCTS LM4S

Flexible spiral hose for suction and pressure loads for loading and unloading fatty foods. Suitable for animal and vegetable oils and fats. Product hose for use in the food and beverage industry for conveying milk and dairy products. Standard/approval: BfR (formerly BgVV) XXI:2002 (Cat. 2), FDA (CFR 21§ 177.2600). Easy cleaning due to smooth core. Note: Not suitable for dry conveying.

- **Temperature range:** -35°C / +80°C, steam cleaning with max. 130 °C / 30 min, pressureless
- **Safety factor:** 3,15 : 1
- **Vacuum:** up to 0,9 bar
- **Core:** NBR, white, smooth, food safe, grease and oil resist
- **Insert:** textile inserts wound; galvanized steel wire spiral
- **Ceiling:** NVC, blue, abrasion resistant, resistant to ageing, Fabric impression
- **Labelling:** continuous writing band, white: "SEMPERIT S LM4S/SF 1500 - NBR Food/Fatty Goods SD PN 10 bar"



Matching fittings:

Shell fittings
Details page 148



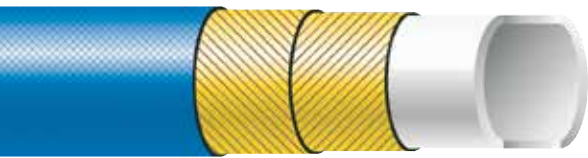
Milk pipe fittings
Details page 149



Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Deposits number	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
48811 2560	25	6	10	2	85	1,00	40
48811 5055	50	5,5	10	2	160	1,75	40
56811 7670	76,2	7	10	2	250	3,30	40
56811 1010	102	10	10	4	330	5,50	40

MULTI-PURPOSE FOOD HOSE LM3

For the cleaning needs of dairies, food processing plants and slaughterhouses as steam, hot water and cold water hose. For conveying liquid foodstuffs, especially milk and dairy products, as well as animal and vegetable oils and fats. Standard/approval: BfR (formerly BgVV) XXI:2002 (Cat.2), FDA (CFR 21§ 177.2600). Note: For high demands in continuous steam operation we recommend our D51 or D53. Very good resistance against many aggressive cleaning agents.



- **Temperature range:** -35°C / +95°C. Hot water / +164°C saturated steam
- **Safety factor:** steam: 10 : 1, hot water: 3.15 : 1
- **Core:** NBR, white, smooth, food safe, grease and oil resistant
- **Interfacing:** Textile interfacing wound
- **Cover:** NVC, blue, grease and oil resistant, fabric impression

Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating pressure Saturated steam (bar)	Operating pressure hot water (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
48244 1350	13	5	6	18	80	0,38	40
48244 1650	16	5	6	18	95	0,44	40
48244 1960	19	6	6	18	115	0,62	40
48244 2570	25	7	6	18	150	0,91	40
48244 3270	32	7	6	18	195	1,10	40
48244 3890	38	9	6	18	230	1,65	40
48244 5010	50	10	6	18	300	2,35	40
48244 7512	75	12	6	18	450	4,10	40

Matching fittings:

Shell fittings Details page 148



Milk pipe fittings Details page 149



DRINKHOSE LM1

Flexible hose for pressure loads in breweries and in the food and beverage industry. For conveying alcoholic (max. 40 %) and non-alcoholic beverages as well as fat-free and fat-containing (max. 36 %) foodstuffs. Tasteless, odourless, kink-resistant and robust with minimum weight. Standard/approval: BfR (formerly BgVV) XXI:2002 (Cat. 2), Weihenstephan, FDA (CFR 21 §177.2600). Note: Very good resistance to many aggressive cleaning agents. Not suitable for dry conveying.

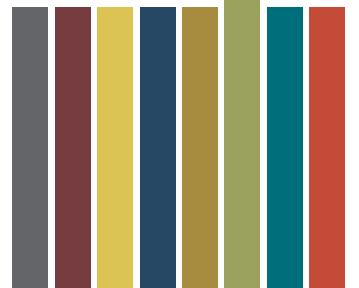


- **Temperature range:** -35°C / +95°C. Steamcleaning with max. 130°C / 30 min, pressureless
- **Safety factor:** 3,15 : 1
- **Core:** EPDM, white, smooth, food safe
- **Interfacing:** Textile interfacing, wrapped
- **Cover:** SBR/NR/EPDM, red, abrasion, ozone and weatherproof, fabric impression

Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Vacuum (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
48256 1350	13	5	12	0,5	50	0,40	40
48256 1950	19	5	12	0,5	100	0,55	40
48256 2560	25	6	12	0,5	150	0,85	40
48256 3280	32	8	12	0,5	170	1,45	40
48256 5011	50	11	12	0,5	350	2,95	40
58256 7614	76,2	14,4	12	0,4	600	6,00	40
56256 0015	100	15	12	0,2	750	7,75	40



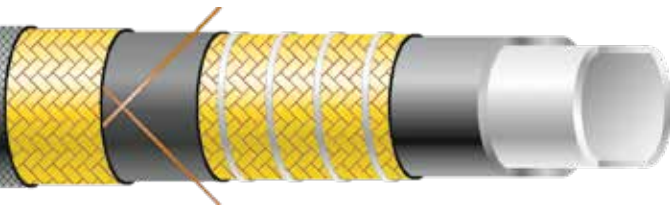
CHEMISTRY



CHEMICAL HOSE - RESIST U UPE-P

UPE-P, the chemical safety hose with insulating and transparent UPE layer. Suitable for the transport of acids, alkalis, salts, organic compounds (alcohols, esters, ketones etc.) including aromatics, chlorinated hydrocarbons and oxidising acids according to resistance lists. Resist U has been used for years with great success in the pharmaceutical and cosmetics industry. The Resist U core has an extremely low coefficient of friction and good abrasion resistance. Norm/approval: EN 12115:2011, TRbF 131/2:1992

Note: The temperature of the flow medium must be below its boiling point! Continuous loads in the limit range impair the service life! Leak test of the cable must be carried out according to EN12115:2011



- **Temperature range:** Core depending on flow medium up to +100°C, hose flexible up to -35°C, steam cleaning pressureless up to 130°C / max. 30 min
- **Safety factor:** 4 : 1
- **Core:** UPE, transparent, smooth, insulating
- **Insert:** special rubber foil, textile inserts, two crossed copper strands, galvanized steel wire spiral
- **Cover:** EPDM, black, electrically conductive, abrasion resistant, weatherproof, fabric impression
- **Labelling:** continuous writing tape, purple/white: „SEMPERIT S Resist-U Chemie UPE-P“ and continuous embossing in relief: „SEMPERIT S EN 12115 UPE-P SD (DN) PN 16 bar M Quarter/year TRbF 131/2 „

Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Vacuum (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
1690.019060	19	6,0	16	0,9	190	0,80	40
1690.025065	25	6,0	16	0,9	225	1,00	40
1690.032075	32	6,0	16	0,9	265	1,20	40
1690.038075	38	6,5	16	0,9	340	1,40	40
1690.050075	50	8,0	16	0,9	415	2,30	40
56363 6380	63	8,0	16	0,9	450	3,00	40
1690.075075	75	8,0	16	0,9	525	3,45	40
56363 0080	100	8,0	16	0,9	675	5,20	40

Suitable fittings for all chemical hoses shown:

Shell fittings according to. EN 14420-2-3-5 (DIN 2817) - Details page 148



Lever-arm couplings according to EN 14420-7 (DIN 2828) - Details from page 92

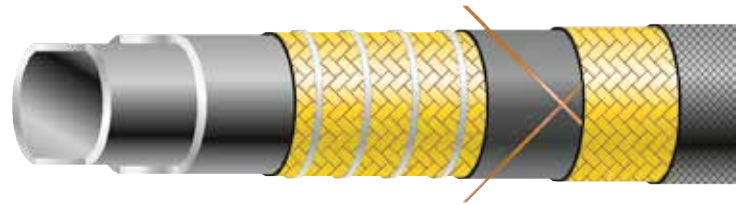


CHEMICAL HOSE FLEXICHEM UPEL

Flexichem, the highly flexible chemical safety hose with black, conductive UPE layer for mobile use. Suitable for the transport of acids, alkalis, salts, organic compounds (alcohols, esters, ketones etc.) including aromatics, chlorinated hydrocarbons and oxidising acids (see our resistance list). The UPE core has a low coefficient of friction and good abrasion resistance. Norm/approval: EN 12115:2011, TRbF 131/2:1992.

Note: The temperature of the flow medium must be below its boiling point! Continuous loads in the limit range impair the service life! Leak test of the pipe must be carried out in accordance with EN 12115:2011.

- **Temperature range:** Core depending on flow medium up to +100°C, hose flexible up to -35°C, steam cleaning pressureless up to 130°C / max. 30 min
- **Safety factor:** 4 : 1
- **Core:** UPE, black, smooth, electrically conductive
- **Inlay:** special rubber foil, textile inserts wrapped, two crossed copper strands, galvanized steel wire spiral
- **Cover:** EPDM, black, smooth, electrically conductive, abrasion resistant, weather resistant, fabric impression
- **Marking:** continuous writing band, blue/white:
 - „SEMPERIT S Chemistry FLEXICHEM“ and consecutive
 - raised embossing: „SEMPERIT S EN 12115 FLEXIBLE
 - SD (DN). PN .. bar Ω / T quarter/year TRbF 131/2“.



Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Vacuum (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
48374 1960	19	6,0	16	0,9	125	0,70	40
48374 2560	25	6,0	16	0,9	150	0,85	40
48374 3260	32	6,0	16	0,9	175	1,05	40
48374 3865	38	6,5	16	0,9	225	1,20	40
48374 5080	50	8,0	16	0,9	275	1,60	40
56374 6380	63	8,0	16	0,9	300	2,40	40
56374 7580	75	8,0	16	0,9	350	2,60	40
56374 0080	100	8,0	16	0,9	450	4,00	40

Shell valves with flanges according to EN 14420-2-3-5 (DIN 2817) - Details from page 136



Tank truck couplings according to EN 14420-6 (DIN 28450) - Details page 87

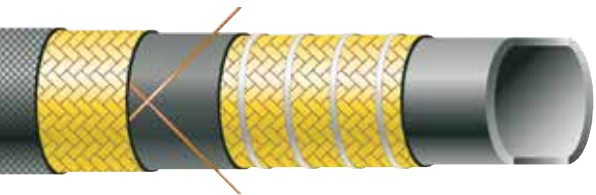


Shell fittings for the chemical and pharmaceutical industry made of stainless steel 1.4571/1.4401 with pressed aluminium shells. Thread seals made of PTFE
Details page 149



CHEMICAL HOSE - FLEXICHEM EPDM

Suitable as a filling hose in the chemical and raw material extraction industry for suction and pressure loads. Resistant to hot water, washing lyes, non-oxidising acids and alkalis. Norm/approval: EN 12115:2011, TRbF 131/2:1992 Note: The temperature of the flow medium must be below its boiling point! Continuous loads in the limit range impair the service life! Leak test of the pipe must be carried out according to EN 12115:2011

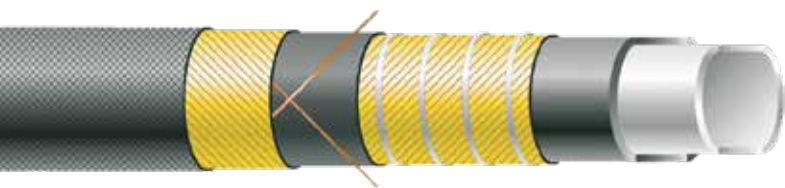


- **Temperature range:** Core depending on flow medium
- up to +100°C, hose flexible up to -35°C, steam cleaning
- pressureless up to 130°C / max. 30 min
- **Safety factor:** 4 : 1
- **Core:** UPE, transparent, smooth, insulating
- **Insert:** special rubber foil, textile inserts, two crossed copper strands, galvanized steel wire spiral
- **Cover:** EPDM, black, electrically conductive, abrasion resistant, weatherproof, fabric impression
- **Labelling:** continuous writing tape, purple/white: "SEMPERIT S Resist-U Chemie UPE-P" and continuous, embossed: "SEMPERIT S EN 12115 UPE-P SD (DN) PN 16 bar M Quarter/year TRbF 131/2".

Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Vacuum (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
48369 2560	25	6,0	16	0,9	100	0,80	40
48369 3260	32	6,0	16	0,9	125	1,00	40
48369 3865	38	6,5	16	0,9	175	1,15	40
48369 5080	50	8,0	16	0,9	225	1,60	40
56369 6380	63	8,0	16	0,9	275	2,40	40
56369 7580	75	8,0	16	0,9	300	2,60	40
56369 0080	100	8,0	16	0,9	400	4,00	40

CHEMICAL HOSE - RESIST FEP

FEP, the premium chemical hose with fluorinated plastic core. Suitable for the transport of almost all chemicals used in the chemical industry (see our resistance list). Core: very good resistance or tightness against chemicals. Excellent temperature resistance. Norm/approval: EN 12115:2011, TRbF 131/2:1992. Note: Temperature of the flow medium must be below its boiling point! Continuous loads in the limit range impair the service life! Leak test of the pipe must be carried out according to EN 12115:2011

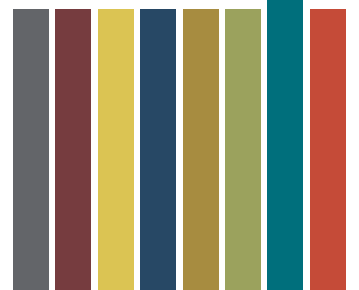


- **Temperature range:** Core depending on flow medium up to +150°C, hose flexible up to -20°C. Steam cleaning pressureless up to 130°C /max. 30 min
- **Safety factor:** 4 : 1
- **Core:** FEP, smooth, insulating
- **Inlay:** Textile inlays wrapped, two crossed Copper licenses, galvanized steel wire spiral
- **Cover:** CR, black, electrically conductive, abrasion resistant, weatherproof, fabric impression
- **Marking:** continuous writing band, red/white/blue: "SEMPERIT S Resist-P-Chemie FEP" as well as continuous, embossed: "SEMPERIT S EN 12115 FEP SD (DN) PN 16 bar M Quarter/year TRbF 131/2".

Article Number	NW (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Vacuum (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
1695.019000	19	6,0	16	0,9	190	0,70	40
1695.025000	25	6,0	16	0,9	225	0,90	40
56362 3865	38	6,5	16	0,9	340	1,35	40
56362 5080	50	8,0	16	0,9	415	1,90	40
56362 7580	75	8,0	16	0,9	525	3,25	40

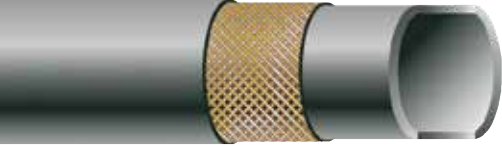


COMPRESSED AIR



COMPRESSOR HOSE

Rubber compressor hose with very pressure-resistant fabric inserts made of highly tear-resistant textile threads for rough operating conditions. Suitable for conveying lubricant-containing compressed air and water (e.g. fresh water, sea water or waste water) with 15 bar operating pressure. For use in industry, trade and mobile and stationary compressed air line systems. Excellent price-performance ratio. This multipurpose hose is robust, hard-wearing, flexible, abrasion-resistant, resistant to seawater, weather, ozone and ageing.



- **Temperature range:** -35°C / +70°C
- **Safety factor:** 3 : 1
- **Core:** SBR, black, smooth, suitable for oily air
- **Interfacing:** Textile interfacing corded, NW > 25 wound
- **Cover:** SBR black, smooth, NW > 25 fabric impression
- **Marking:** continuous colour marking, white: „SEMPERIT S PLE/PL15 Air/ Water Air/Water WP 15 bar/BP 45 bar

Article Number	NW (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
1530.006035	6	3 ??	15	60	0,11	50
1530.008035	8	3,5	15	80	0,17	50
1530.009035	9	3,5	15	90	0,19	50
68056 1035	10	3,5	15	100	0,22	50
68056 1335	13	3,5	15	100	0,26	50
68056 1340	13	4,0	15	130	0,31	50
68056 1635	16	3,5	15	160	0,31	50
68056 1650	16	5,0	15	160	0,49	50
68056 1935	19	3,5	15	120	0,36	50
68056 1950	19	5,0	15	190	0,55	50
68056 1960	19	6,0	15	220	0,64	50
68056 2040	20	4,0	15	200	0,44	50
68056 2045	20	4,5	15	200	0,51	50
68056 2050	20	5,0	15	200	0,58	50
68056 2540	25	4,0	15	250	0,53	50
68056 2550	25	5,0	15	250	0,70	50
48413 3055	30	5,5	15	200	0,93	40
48413 3255	32	5,5	15	210	0,95	40
48413 3560	35	6,0	15	250	1,05	40
48413 3860	38	6,0	15	275	1,15	40
48413 5070	50	7,0	15	350	1,54	40
48413 7580	75	8,0	15	600	2,64	40

Other dimensions available on request.

Matching fittings:

Quick Closing - couplings Details page 131



Quick Closing - couplings Details page 129



2-Ear- Clamps Details page 162



Malleablecast ironRD - S c rew connection. Details page 128



Claw- Couplings Details page 125



Malleable Cast Ironcouplings Details page 164



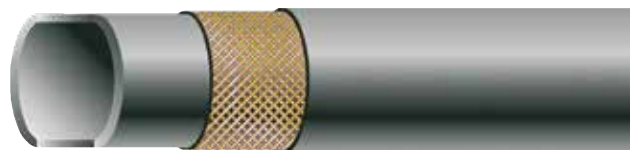
Malleable Cast Iron- Couplings with SecurityAssociation Details page 164



PRESSURE AIR HOSE according to DIN 20018

Suitable for conveying lubricant-containing compressed air at 10 bar and water at 16 bar operating pressure. For use in industry and trade. Norm/approval: DIN 20018-1:2003.

- **Temperature range:** -30°C / +70°C
- **Safety factor:** Water: 2.5 : 1; Compressed air: 4 : 1
- **Core:** SBR, black, smooth, suitable for oily air
- **Interfacing:** Textile interfacing corded, NW > 25 wound
- **Ceiling:** SBR, black, smooth, weather resistant; NW > 25 Fabric impression
- **Marking:** continuous colour marking, white: „SEMPERIT S PL2 compressed air/water Air/Water DIN 20018 quarter/year PN 10/16 bar“, NW > 25: continuous writing tape, silver, embossed tape: „NW.quarter/year



Article Number	NW (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
1530.013050	13	5,0	16	80	0,40	50
1530.015060	15	6,0	16	100	0,57	50
1530.019060	19	6,0	16	150	0,68	50
1530.025070	25	7,0	16	185	1,00	50
48427 3280	32	8,0	16	210	1,30	40
48427 3880	38	8,0	16	240	1,50	40
48427 5310	53	10,0	16	350	2,45	40
48427 6511	65	11,0	16	450	3,30	40
56427 8512	85	12,0	16	600	4,90	40
56427 1114	105	14,0	16	750	6,80	40

Matching fittings:

Claw- Couplings
Details page 125



Malleable Cast Ironcouplings
Details page 164



Malleable Cast Iron- Couplings
with Security Association
Page 164



MANTEX-HP

Mandals Mantex HP is a world class lay-flat hose designed for compressed air at high working pressures, while still offering a light-weight solution easy to deploy and store.

Features

Light, yet rugged and hard-wearing hose. The low weight, combined with a high pressure rating, makes the hose popular and easy to use. The hose does not stretch when pulled and has a very high pressure rating versus wall thickness. Excellent abrasion resistance. Double Jacket hose with TPU outer layer / Inner layer. Operating temperature from -50°C to + 110°C [-58°F to +230°F].

Design

Double jacket hose solution ensuring high burst pressure, puncture resistance and flexibility. High tensile polyester weaves covered and lined with an ultimate abrasion- and oil resistant Thermoplastic polyurethane (TPU).

Advantages

Field proven hose with long track record. Lengths up to 40 meters. High working pressure (WP). Low weight. High Flexibility. Easy handling – low weight compared to conventional hose.

Details page 128.



Article Number	Internal Diameter (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Weight (kg/m)	Tensile Strength (Tons)
	51+2.0	4,4	175	0,82	14,3
	75+2.0	4,5	120	1,24	21,0

PRESSURE AIR HOSE, yellow

Suitable for conveying compressed air and water in power station, road and gallery construction and in quarries. Easily recognisable due to striking colouring.



- **Temperature range:** -30°C / +80°C
- **Safety factor:** 3 : 1
- **Core:** SBR/NR, black, smooth, suitable for oily air
- **Interfacing:** Textile interfacing corded, NW > 25 wound
- **Cover:** SBR/NR, yellow, smooth, abrasion resistant, NW > 25 Fabric impression
- **Marking:** continuous colour marking, black: „SEMPERIT S PL1 compressed air/water Air/Water Mammut WP 20 bar/BP 60 bar“, NW > 25: continuous writing band, blue

Article Number	NW (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
1530.013050	13	5,0	20	80	0,43	50
1530.019060	19	6,0	20	150	0,65	50
1530.025070	25	7,0	20	185	1,00	50
48426 3260	32	6,0	20	260	1,15	40
48426 3860	38	6,0	20	350	1,05	40
48426 5080	50	8,0	20	400	2,30	40
48426 6310	63,5	10,0	20	480	2,90	40
48426 7510	75	10,0	20	610	3,50	40
56426 1014	101,6	14,0	20	720	6,60	40

UNIVERSAL-PRESS AIR HOSE Syntex, black / Yellow

Suitable for use in industry, construction, sewerage, demolition, gardening, agriculture, refineries, compressors and pneumatic and pneumatic tools. This universal flat hose has a high abrasion resistance and durability due to longitudinal ribs. If the outer cover is damaged, it can be repaired without any problems. This hose is care and maintenance-free, extremely resistant to ageing, ozone and UV radiation. Low friction loss due to smooth inner rubber coating. Suitable for seawater, hot water, oil, petrol and many chemicals.

- **Temperature range:** -40°C bis +100°C
- **Safety factor:** 3 : 1
- **Core:** very smooth for minimum pressure drop **Fabric:** made of 100 % high tenacity synthetic polyester yarn, round woven, embedded in the rubber coating, therefore optimal Protection of the print substrate. High quality nitrile/PVC compound is pressed through the fabric in an extrusion process (standard colours: black and yellow; others on request).
- **Cover:** longitudinal ribs for excellent abrasion resistance



RUBBER INDUSTRIAL HOSE

Industrial hose in dark quality suitable for hot and cold water up to 12 bar at maximum 80°C, compressed air up to 10 bar, alkaline solutions and chemicals. In addition, this hose is resistant to traces of oil and the cover is resistant to abrasion and weathering. Standard: ISO R 1307

- **Temperature range:** -30°C / +80°C
- **Safety factor:** 3 : 1
- **Core:** SBR, black, smooth
- **Interfacing:** Textil cord
- **Cover:** SBR, black, fabric patterned



Matching fittings:

Storz- Couplings. Details page 97



Prefabricated Clamps. Details page 163

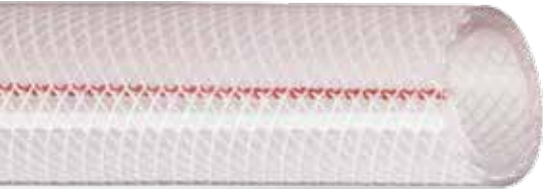


Article Number	NW (mm)	Wall Thickness (mm)	Operating pressure Hot/ Cold water (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
1209.028045	28	4,5	10	290	0,68	20 / 40
1209.032060	32	6	10	320	1,08	20 / 40
1209.035060	35	6	10	350	1,16	20 / 40
1209.038070	38	7	10	380	1,45	20 / 40
1209.040070	40	7	10	400	1,51	20 / 40
1209.042070	42	7	10	420	1,55	20 / 40
1209.045070	45	7	10	450	1,82	20 / 40
1209.048070	48	8	10	480	1,88	20 / 40
1209.050060	50	6	10	500	1,95	20 / 40
1209.060080	60	8	10	600	2,15	20 / 40
1209.065080	63	8	10	630	2,35	20 / 40
1209.075080	75	8	10	760	2,78	20 / 40
1209.080070	80	7	10	800	2,95	20 / 40
1209.090070	90	7	10	900	3,15	20 / 40
1209.100070	100	7	10	1020	3,45	20 / 40



PVC-GEWEBESCHLAUCH, durchsichtig

For conveying highly abrasive media. Developed as delivery hose for concrete pumps. Long service life due to abrasion-resistant core.



- **Temperature range:** -20°C / +60°C
- **Safety factor:** 3 : 1
- **Core:** PVC, transparent, smooth
- **Interfacing:** fabric
- **Cover:** PVC, transparent, smooth

Matching fittings:

Storz- Couplings
Details page 97



Quick Closing - couplings
Details page 129/131



2-Ear- Clamps
Details page 162



Article Number	NW (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
4010.004030	4	3	20	24	0,09	50
4010.006030	6	3	20	36	0,10	50
4010.008030	8	3	20	48	0,13	50
4010.009030	9	3	20	54	0,14	50
4010.010030	10	3	20	60	0,15	50
4010.013030	13	3,5	20	78	0,23	50
4010.016040	16	4	20	96	0,31	50
4010.019040	19	4	20	114	0,35	25/50
4010.025045	25	4,5	15	150	0,51	25/50
4010.032050	32	5	15	192	0,71	25/50
4010.038050	38	5	10	228	0,82	25/50
4010.045050	45	5	10	270	1,18	25/50
4010.050050	50	5	10	300	1,49	25/50

HOT AIR COMPRESSOR HOSE

For use on silo vehicles as connection between unloading compressor and silo. Long service life due to heat-resistant rubbermixtures. High burst resistance and good cross-sectional and buckling stability due to the use of two steel wire braids.



- **Temperature range:** -40°C / +160°C
- **Safety factor:** 6 : 1
- **Core:** EPDM, black, smooth, resistant to hot air
- **Interfacing:** Steel wire core braided
- **Cover:** EPDM, black, abrasion resistant, weatherproof, fabric impression
- **Labelling:** continuous embossing tape, with coloured underlay: "SEMPERIT S FHKS Hot Air Compressor/Hot Air Blower 160°C PN 25 bar".

Matching fittings:

Storz coupling with shell binding
Details page 98



Tanker truck fittings Details page 87



Article Number	NW (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Deposits number	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
1540.050070	51	8	25	2	250	2,40	40
48401 6080	60	8	25	2	320	3,10	40
48401 6580	65	8	25	2	350	3,40	40
1540.075070	75	8	25	2	450	4,00	40

MULTI-PURPOSE HOSE MP 20 EPDM

Highly flexible multi-purpose hose, with very good resistance to aging and weathering as well as good abrasion resistance. Suitable for conveying air and water and many chemical products in industry and agriculture (see our resistance list). The high quality EPDM ensures excellent resistance to ozone and weathering. The textile inserts guarantee a very good buckling stability. Safety against electrostatic charge due to electrically conductive hose construction. Resistance R < 106 Ω (determined according to EN ISO 8031:1997). Note: The temperature of the flow medium must be below its boiling point!



- **Temperature range:** -40°C / +120°C, kurzfristig bis +140°C
- **Safety factor:** 4:1
- **Core:** EPDM, black, smooth, electrically conductive
- **Inlay:** Textile inlays corded
- **Cover:** EPDM, black, smooth, electrically conductive, ozone-, weather-resistant
- **Marking:** blue longitudinal stripes, continuous colour marking, white: "SEMPERIT S MP 20-EPDM MULTI PURPOSE PN 20 BAR DN".

Article Number	Inside - Ø in		Wall Thickness (mm)	Outer Ø (mm)	Operatind Pressure (max.) bar	Number of deposits	Bending Radius (min.) in mm	Weight kg/m	Roll Length (max.) m
	mm	Inch							
68024 0635	6,0	1/4	4,0	3,5	20	2	40	0,16	100
68024 0835	8,0	5/16	4,0	3,5	20	2	50	0,20	100
68024 1035	10,0	3/8	4,0	3,5	20	2	60	0,23	100
68024 1340	13,0	1/2	4,0	4,0	20	2	80	0,31	100
68024 1640	16,0	5/8	4,5	4,0	20	2	100	0,39	100
68024 1945	19,0	3/4	5,0	4,5	20	2	115	0,47	50
68024 2550	25,0	1	5,0	5,0	20	2	150	0,67	50
68024 3260	32,0	1 1/4	5,5	6,0	20	4	200	1,05	50
68024 3860	38,0	1 1/2		6,0	20	4	250	1,20	50



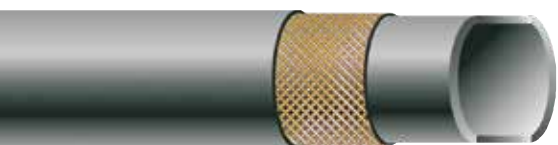


VEHICLE-SHIP



RUBBER RADIATOR HOSE - EPDM

Radiator hose for internal combustion engines. Good Resistance to ageing under the influence of hot water, Hot air and antifreeze.



- **Temperature range:** -40°C / +100°C
- **Safety factor:** 2,5 : 1
- **Core:** EPDM, black, smooth
- **Inlay:** Polyester inserts corded
- **Ceiling:** EPDM, black, smooth, weather and ozone resistant
- **Marking:** continuous colour marking, white: „SEMPERIT S FKD Cooling Water id x wd >EPDM/PES/EPDM< Quarter/Year“.

Article Number	NW (mm)	Wall Thickness (mm)	Material	Operating Pressure (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
1320.010035	10	3,5	EPDM	6	60	0,21	40
1320.012035	12	3,5	EPDM	6	70	0,25	40
1320.015035	15	3,5	EPDM	6	90	0,30	40
1320.018035	18	3,5	EPDM	6	110	0,35	40
1320.020035	20	3,5	EPDM	6	120	0,38	40
1320.022035	22	3,5	EPDM	6	135	0,41	40
1320.025035	25	3,5	EPDM	6	150	0,46	40

RUBBER RADIATOR HOSE - SBR

Cooling water pressure hose for internal combustion engines. Hot water and antifreeze resistant core and cover.



- **Temperature range:** -35°C / +100°C
- **Safety factor:** 3,15 : 1
- **Core:** SBR, black, smooth
- **Interlining:** Textile inserts wound
- **Cover:** SBR, black, fabric impression
- **Labelling:** continuous colour marking in white: „SEMPERIT S FKS Cooling Water DN PN 3 bar 100°C“, „DN PN 3 bar 100°C“

Article Number	NW (mm)	Wall Thickness (mm)	Material	Operating Pressure (bar)	Deposits	Weight (kg/m)	Roll Length (m)
1320.028035	28	4	SBR	3	2	0,52	40
1320.030035	30	4	SBR	3	2	0,55	40
1320.032035	32	4	SBR	3	2	0,65	40
1320.035035	35	4	SBR	3	2	0,75	40
1320.038035	38	4	SBR	3	2	0,80	40
1320.040040	40	4	SBR	3	2	0,85	40
1320.042040	42	4	SBR	3	2	0,90	40
1320.045045	45	4,5	SBR	3	2	1,05	40
1320.048045	48	4,5	SBR	3	2	1,10	40
1320.050045	50	4,5	SBR	3	2	1,10	40
1320.055045	55	4,5	SBR	3	2	1,15	40
1320.060050	60	5	SBR	3	2	1,40	40
1320.065050	65	5	SBR	3	2	1,50	40
1320.070050	70	5	SBR	3	2	1,65	40
1320.075050	75	5	SBR	3	2	1,75	40
1320.080050	80	5	SBR	3	2	1,80	40
1320.085050	85	5	SBR	3	2	1,90	40
1320.090050	90	5	SBR	3	2	2,05	40
1320.100050	100	5	SBR	3	2	2,35	40
1320.110060	110	6	SBR	3	2	3,10	40
1320.120060	120	6	SBR	3	2	3,35	40
1320.130080	130	7	SBR	3	2	3,55	40

SPIRAL BUNKER HOSE

Spiral bunker hose for unloading tankers and as supply hose on offshore installations. Suitable for oils, fuels, cement, barite and hydrocarbons up to 55% aromatics. This bunker hose achieves its stability by means of four cords with spring steel spiral. It also has a highly abrasion-resistant and oil-resistant cover.

- **Temperature range:** -40°C / +93°C
- **Safety factor:** 3 : 1
- **Core:** NBR, black, smooth
- **Inlay:** cord inlays with spring steel spiral
- **Cover:** Synthetic rubber, black
- **Labelling:** Continental Contitech Rig Supply HW WP 20 bar BP 60 bar



Matching fittings: Bowl fittings with flanges Details page 137



Article Number	NW (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Vacuum (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
1660.00000076	76	8	20	0,9	456	3,35	30,5 / 61 / 122
1660.000000102	102	8,5	20	0,9	612	4,75	30,5 / 61 / 122
1660.000000127	127	10,5	20	0,9	762	7,09	30,5 / 61 / 122
1660.000000152	152	10,5	20	0,9	912	8,54	30,5 / 61 / 122
1660.000000203	203	15	20	0,9	1218	10,15	30,5 / 61 / 122
1660.000000254	254	19,5	20	0,9	1524	14,50	30,5 / 61 / 122

PVC-HOSE WITH STEEL COIL, transparent

Robust, highly flexible suction and pressure hose, smooth inside and outside with very high pressure and vacuum values. It is suitable for conveying food, beverages (water, liquids containing alcohol), waste water or chemical substances, but also for transporting granulates in the plastics industry, groundwater lowering, paper industry, printing machines, compressed air technology, agriculture, mechanical engineering or shipping.

- **Temperature range:** -15°C / +60°C
- **Norm:** EU 10/2011 Kat. A, B, C
- **Construction:** PVC, transparent, smooth with embedded steel wire spiral



Matching fittings:

Storz- Couplings
Details page 97



Kardan- Couplings
Details from page 94



Pivot pin- Clamps
Details page 163



Article Number	NW (mm)	Betriebsdruck bei 20°C (bar)	Bending Radius (mm)	Vacuum (bar)	Weight (kg/m)	Roll Length (m)
4035.020000	20	8	60	0,9	0,36	50
4035.025000	25	8	75	0,9	0,50	50
4035.032000	32	8	96	0,9	0,68	50
4035.038000	38	7	114	0,9	0,82	50
4035.050000	50	5	150	0,9	1,28	50
4035.075000	75	4	225	0,9	2,40	30
4035.100000	100	3	300	0,9	3,80	20

RUBBER COVER WASH HOSE WITH CONICAL TIP

Deck washing hose for spraying clean floors and ship ceilings. The conical tip, which can be closed by a simple kinking movement, ensures a good pressure build-up, does not rub and does not stick.



- **Temperature range:** -20°C / +80°C
- **Safety factor:** 3 : 1
- **Core:** Synthetic rubber, black, smooth
- **Interlining:** textile
- **Cover:** Synthetic rubber, black, smooth, fabric patterned

Article Number	NW (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
1210.038015	38	6	10	304	1,30	15
1210.038020	38	6	10	304	1,30	20
1210.038025	38	6	10	304	1,30	25
1210.038030	38	6	10	304	1,30	30
1210.038040	38	6	10	304	1,30	40

Matching fittings:

Storz- Couplings
Details page 97



Kamlok- Couplings
Details page 91



Prefabricated Clamps
Details page 163



Passende Verlängerung:

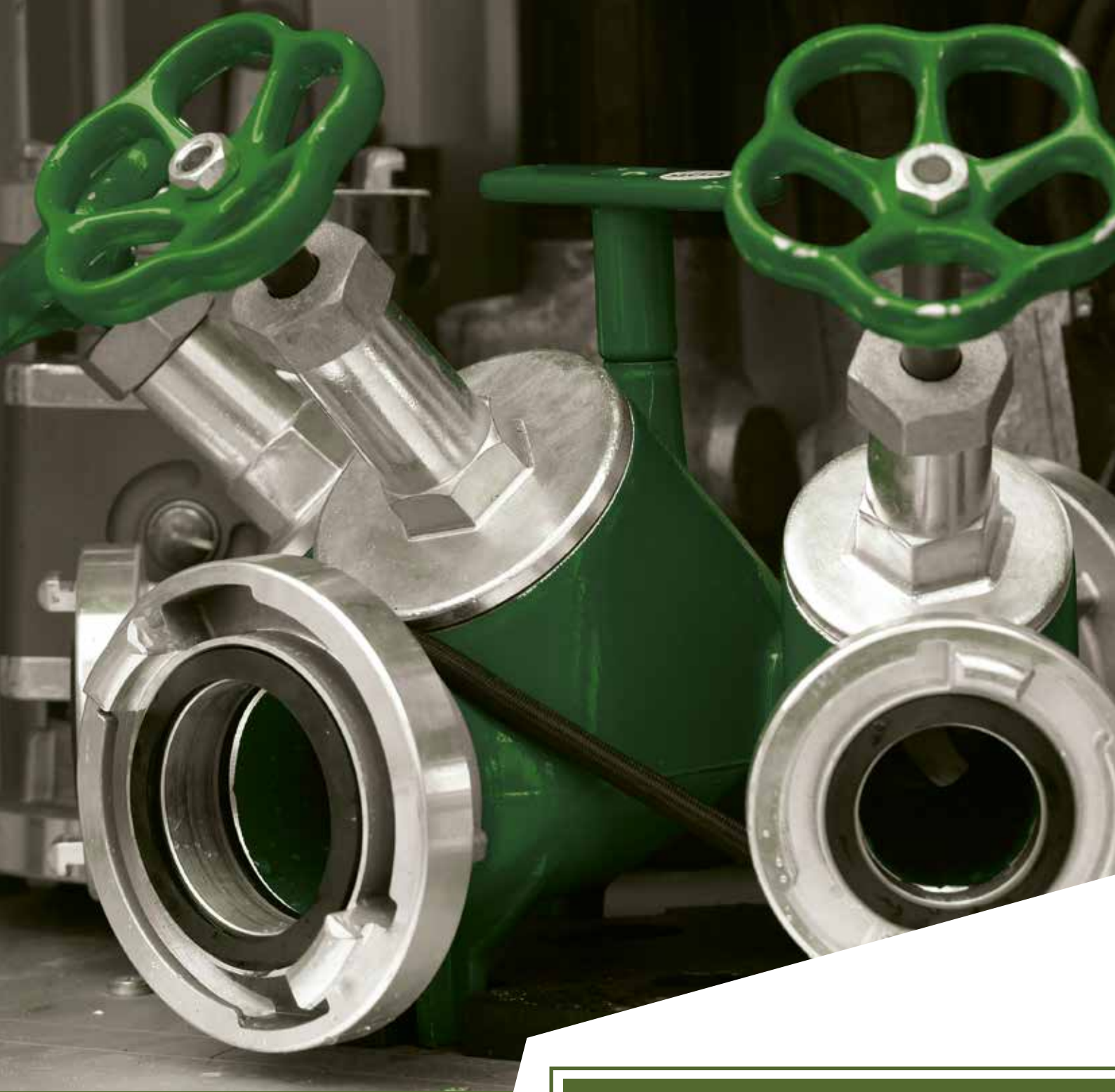
RUBBER INDUSTRIAL HOSE

Industrial hose in dark quality suitable for hot and cold water up to 12 bar at maximum 80°C, compressed air up to 10 bar, lyes, chemicals. In addition, this hose is resistant to traces of oil and the cover is resistant to abrasion and weathering. Standard: ISO R 1307.



- **Temperature range:** -30°C / +80°C
- **Safety factor:** 3 : 1
- **Core:** SBR, black, smooth
- **Interlining:** textile cord
- **Cover:** SBR, black, fabric patterned

Article Number	NW (mm)	Wall Thickness (mm)	Operating Pressure Hot/Cold water (bar)	Bending Radius (mm)	Weight (kg/m)	Roll Length (m)
1209.028045	28	4,5	12	290	0,68	20 / 40
1209.032060	32	6	12	320	1,08	20 / 40
1209.035060	35	6	12	350	1,16	20 / 40
1209.038070	38	7	12	380	1,45	20 / 40
1209.040070	40	7	12	400	1,51	20 / 40
1209.042070	42	7	12	420	1,55	20 / 40
1209.045070	45	7	12	450	1,82	20 / 40
1209.048070	48	8	12	480	1,88	20 / 40
1209.050060	50	6	12	500	1,95	20 / 40
1209.060080	60	8	12	600	2,15	20 / 40
1209.065080	63	8	12	630	2,35	20 / 40
1209.075080	75	8	12	760	2,78	20 / 40
1209.080070	80	7	12	800	2,95	20 / 40
1209.090070	90	7	12	900	3,15	20 / 40
1209.100070	100	7	12	1020	3,45	20 / 40



COUPLINGS



STANDARD MORTAR COUPLINGS FOR CLAMP BINDING

Female part with hose nozzle (full bore)

Article Number System 22*	SLW (mm)	Weight	Height	Type Size	Identity Measure	Weight (kg/Piece)
MST 25	25	55	120	25	35,5	477
MST-X25	25	74	138	X25	42	778
MST 35	35	77	132	35	51	795
MST 35-DR	35	77	152	35	51	970
MST 38/35	38	77	146	35	51	903
MST 42	42	84	144	42	54	960
MST 50	50	94	140	50	64	1195
MST 65	65	105	185	65	74	2172



Female part with hose nozzle (reduced passage)

Article Number System 22*	SLW (mm)	Weight	Height	Type Size	Identity Measure	Weight (kg/Piece)
MST 25/19 R	19	55	122	25	35,5	512
MST-X25/19 R	19	74	125	X25	42	760
MST 35/25 R	25	77	138	35	51	783
MST 50/35 R	35	94	160	50	64	1495
MST 50/42 R	42	94	160	50	64	1510



Mutterteil mit InnenThread

Article Number System 22*	Thread	Weight	Height	Type Size	Identity Measure	Weight (kg/Piece)
MIG 10/25	G 1"	55	70	25	35,5	410
MIG 10-X25	G 1"	74	73,5	X25	42	652
MIG 10/35	G 1"	77	74	35	51	770
MIG 54/35	G 1 1/4"	77	74	35	51	648
MIG 54/35-DR	G 1 1/4"	77	125	35	51	1170
MIG 15/35	G 1 1/2"	77	74	35	51	766
MIG 15/42	G 1 1/2"	84	66	42	54	730
MIG 20/50	G 2"	94	79	50	64	990
MIG 20/50-DR	G 2"	94	135	50	64	1550
MIG 25/65	G 2 1/2"	105	81	65	74	1027



*System 23.5 on request

** max. operating pressure for type size 65 PN 25 bar

Female part with male thread

Article Number System 22*	Thread	Width	Height	Type Size	Identity Measure	Weight (kg/Piece)
MAG 10/25	G 1"	55	91	25	35,5	485
MAG 10-X25	G 1"	74	90	X25	42	735
MAG 54/35	G 1 1/4"	77	93	35	51	793
MAG 15/42	G 1 1/2"	84	98	42	54	935
MAG 20/50	G 2"	94	113	50	64	1420
MAG 25/50	G 2 1/2"	94	119	50	64	1620



Father part with hose nozzle (full passage)

Article Number System 22*	SLW (mm)	Height	Type Size	Identity Measure	Weight (kg/Piece)
VST 25	25	110	25	35	270
VST-X25	25	120	X25	41	385
VST-X25-DR	25	125	X25	41	420
VST 35	35	120	35	49,5	515
VST 35-DR	35	146	35	49,5	740
VST 38/35	38	120	35	49,5	470
VST 42	42	120	42	53	450
VST 50	50	140	50	63	925
VST 50-DR	50	170	50	63	1230
VST 65**	65	156	65	73	1352



Male part with hose nozzle (reduced passage)

Article Number System 22*	SLW (mm)	Height	Type Size	Identity Measure	Weight (kg/Piece)
VST-X25/19 R	19	100	X25	41	325
VST 35/25 R	25	115	35	49,5	545
VST 50/35 R	35	121	50	63	830
VST 50/42 R	42	121	50	63	757



Male part with external thread

Article Number System 22*	Thread	SW	Height	Type Size	Identity Measure	Weight (kg/Piece)
VAG 10/25	G 1"	41	76	25	35	356
VAG 10-X25	G 1"	41	76	X25	41	382
Vag 54/35	G 1 1/4"	50	83	35	49,5	527
VAG 15/42	G 1 1/2"	55	77	42	53	525
VAG 20/50	G 2"	65	90	50	63	950



*System 23.5 on request

** max. operating pressure for type size 65 PN 25 bar

Male part with female thread

Article Number System 22*	Thread	SW	Height	Type Size	Identity Measure	Weight (kg/Piece)
VIG 10/25	G 1"	41	67	25	35	280
VIG 10-X25	G 1"	41	67	X25	41	345
VIG 10-X25-DR	G 1"	41	106	X25	41	610
VIG 54-X25	G 1 1/4"	50	67	X25	41	386
VIG 10/35	G 1"	50	63	35	49,5	521
VIG 54/35	G 1 1/4"	50	68	35	49,5	461
VIG 54/35-DR	G 1 1/4"	50	120	35	49,5	840
VIG 15/35	G 1 1/2"	55	68	35	49,5	453
VIG 20/35	G 2"	70	74	35	49,5	665
VIG 15/42	G 1 1/2"	55	62	42	53	420
VIG 54/50	G 1 1/4"	65	64	50	63	820
VIG 15/50	G 1 1/2"	65	64	50	63	678
VIG 20/50	G 2"	70	71	50	63	620
VIG 20/50-DR	G 2"	70	130	50	63	1040
VIG 25/50	G 2 1/2"	85	78	50	63	960
VIG 25/65**	G 2 1/2"	85	78	65	73	999



Male part on both sides System reducing plug

Article Number System 22*	Type Size	with Identity Measure	nach Type Size	with Identity Measure	Height	Weight (kg/Piece)
VR X25/25	X25	41	25	35	90	448
VR 35-25	35	49,5	25	35	97	654
VR 35-X25	35	49,5	X25	41	100	690
VR 42/X25	42	53	X25	41	90	620
VR 42/35	42	53	35	49,5	90	650
VR 50-X25	50	63	X25	41	100	955
VR 50-35	50	63	35	49,5	100	955
VR 50/42	50	63	42	53	95	983



Screw-in sleeves for female thread couplings and plugs

Article Number System 22*	SLW (mm)	Outdoor thread	Height	Weight (kg/Piece)
MST-X25/19T	19	G 1"	70	106
MST-X25T	25	G 1"	83,5	128
MST-35T	35	G 1 1/4"	91	236
MST 38/35T	38	G 1 1/4"	91	210
MST-50/35T	35	G 2"	107	506
MST-42T	42	G 1 1/2"	97	259
MST-50/42T	42	G 2"	106	428
MST-50T	50	G 2"	110	510
MST-65T	65	G 2 1/2"	130	1145



*System 23,5 auf Anfrage

** max. Betriebsdruck für Typgröße 65 PN 25 bar

Male part on both sides System reducing plug

Article Number System 22*	Type Size MT-Teil	with Identity Measure	Type Size VT-Teil	with Identity Measure	Width	Height	Weight (kg/Piece)
MSA-X25/25	X25	42	25	35,5	74	132	993
MSA 35/X25	35	51	X25	42	77	133	1154
MSA 42/35	42	54	35	51	84	135	1270
MSA 50/35	50	64	35	51	94	133	1580
MSA 50/42	50	64	42	94	94	133	1585



MORTAR COUPLINGS FOR HYDRAULIC PRESS SLEEVE BINDING

Female part with hose nozzle (full bore)

Article Number System 22*	Hose (mm)	Type Size	Width	Identity Measure	Height	Matching press sleeve	Weight (kg/Piece)
MSTP 25**	25 x 7	25	55	35,5	125	PH-X25	540
MSTP-X25	25 x 7	X25	74	42	128	PH-X25	780
MSTP 35	35 x 7	35	77	51	135	PH-35	910
MSTP 38/35	38 x 7	35	77	51	135	PH-38	910
MSTP 42	42 x 7	42	84	54	127	PH-42	974
MSTP 50	50 x 9	50	94	64	145	PH-50	1480



Female part with hose nozzle (reduced passage)

Article Number System 22*	Hose (mm)	Type Size	Width	Identity Measure	Height	Matching press sleeve	Weight (kg/Piece)
MSTP-X25/19R	19 x 6	X25	74	42	125	PH-19	780
MSTP 35/25R	25 x 7	35	77	51	129	PH-X25	870
MSTP 50/35R	35 x 7	50	94	64	140	PH-35	1480

Father part with hose nozzle (full passage)

Article Number System 22*	Hose (mm)	Type Size	Identity Measure	Height	Matching press sleeve	Weight (kg/Piece)
VSTP 25	25 x 7	25	35,5	100	PH-X25	305
VSTP-X25	25 x 7	X25	41	104	PH-X25	339
VSTP-X25-DR	25 x 7	X25	41	115	PH-X25 DR	380
VSTP 35	35 x 7	35	49,5	107	PH-35	522
VSTP 35-DR	35 x 7	35	49,5	135	PH-35 DR	740
VSTP 38/35	38 x 7	35	49,5	107	PH-38	472
VSTP 42	42 x 7	42	54	106	PH-42	475
VSTP 50	50 x 9	50	63	113	PH-50	758
VSTP 50-DR	50 x 9	50	63	145	PH-50 DR	1020



*System 23.5 on request

** Type size 25 with one lever

Male part with hose nozzle (reduced passage)

Article Number System 22*	Hose (mm)	Type Size	Identity Measure	h	Matching press sleeve	Weight (kg/Piece)
VSTP 25/19 R	19 x 6	25	35,5	95	PH-19	238
VSTP-X25/19 R	19 x 6	X25	41	100	PH-19	345
VSTP 35/25 R	25 x 7	35	49,5	102	PH-X25	490
VSTP 50/35 R	35 x 7	50	63	107	PH-35	820
VSTP 50/42 R	42 x 7	50	63	108	PH-42	741



Press sleeves made of turned steel for hydraulic pressing (with inner profile exactly adapted to the nozzle contour)

Article Number System 22*	Hose (mm)	Type Size	Ø i	Ø d	Ø a	h	Weight (kg/Piece)
PH-19	19 x 6	19/25	31,5	24,5	38	40	102
PH-X25	25 x 7	X25	41	33	50	50	218
PH-X25 DR	25 x 7	X25	41	31,3	50	50	220
PH-35	35 x 7	35	49	42,5	58	58	275
PH-35 DR	35 x 7	35	49	41	58	58	280
PH-38	38 x 7	35	53	45,5	61	61	259
PH-42	42 x 7	42	56	50,5	65	65	313
PH-50	50 x 9	50	68,5	59,5	75	75	302
PH-50 DR	50 x 9	50	68,5	57	75	75	310



Screw-in sleeves made of steel for hydraulic pressing

Article Number System 22*	Hose (mm)	Outdoor thread	b	h	Matching press sleeve	Weight (kg/Piece)
MSTP-X25/19T	19 x 6	G 1"	24	69,5	PH-19	125
MSTP-X25T	25 x 7	G 1"	32,5	73,5	PH-X25	120
MSTP-35T	35 x 7	G 1 1/4"	42	80	PH-35	218
MSTP-38/35T	38 x 7	G 1 1/4"	45	80	PH-38	223
MSTP50/35T	35 x 7	G 2"	42	86	PH-35	526
MSTP 42T	42 x 7	G 1 1/2"	50	80	PH-42	246
MSTP-50/42T	42 x 7	G 2"	50	87	PH-42	452
MSTP-50T	50 x 9	G 2"	59	91	PH-50	497



Spare sealing ring made of Perbunan (55° Shore A)

Article Number	Size
7480.000050	Diverse je nach Anfrage



TANK TRUCK COUPLINGS ACCORDING TO EN ISO 14420-6 (DIN 28450)

Quick coupling with simple single-lever handling for use with tank and silo vehicles, stationary tanks and refuelling systems.

V-couplings with female thread

Article Number	Nominal Sizes (mm / Inch)	Thread	Material	Weight (kg/Piece)
-	50 / 2"	1 1/2"	Brass	0,36
-	50 / 2"	1 1/2"	Stainless steel	0,31
-	80 / 3"	2"	Aluminium	0,27
-	80 / 3"	2"	Brass	0,75
-	80 / 3"	2"	Stainless steel	0,73
-	100 / 4"	2 1/2" / 3" / 4"	Brass	1,10
-	100 / 4"	2 1/2" / 3" / 4"	Stainless steel	1,15



M-couplings complete (crown ring with clamping lever)

Article Number	Nominal Sizes (mm / Inch)	Thread	Material	Weight (kg/Piece)
-	50 / 2"	2"	Brass	0,73
-	50 / 2"	2"	Stainless steel	0,69
-	80 / 3"	3"	Aluminium	0,59
-	80 / 3"	3"	Brass	1,55
-	80 / 3"	3"	Stainless steel	1,45
-	100 / 4"	4"	Brass	2,75
-	100 / 4"	4"	Stainless steel	2,75



M-couplings with female thread

Article Number	Nominal Sizes (mm / Inch)	Thread	Material	Weight (kg/Piece)
-	50 / 2"	2"	Brass	0,24
-	50 / 2"	2"	Stainless steel	0,22
-	80 / 3"	3"	Aluminium	0,20
-	80 / 3"	3"	Brass	0,55
-	80 / 3"	3"	Stainless steel	0,51



Clamping rings with lever

Article Number	Nominal Sizes (mm / Inch)	Thread	Material	Weight (kg/Piece)
-	50 / 2"	??	Brass	0,24
-	50 / 2"	??	Stainless steel	0,22
-	80 / 3"	??	Aluminium	0,20
-	80 / 3"	??	Brass	0,55
-	80 / 3"	??	Stainless steel	0,51



Shell nozzles according to EN ISO 14420-2-3-5 (DIN 2817) - with threaded connection

On one side external thread, on the other side press fittings. Other materials on request.

Article Number	Nominal Sizes (mm / Inch)	Thread	Material	Weight (kg/Piece)
-	13 x 5 / 1/2"	1/2"	Brass	0,18
-	13 x 5 / 1/2"	1/2"	Steel	0,17
-	13 x 5 / 1/2"	1/2"	Stainless steel	0,17
-	19 x 6 / 3/4"	3/4"	Brass	0,25
-	19 x 6 / 3/4"	3/4"	Steel	0,24
-	19 x 6 / 3/4"	3/4"	Stainless steel	0,24
-	19 x 6 / 3/4"	1"	Brass	0,29
-	19 x 6 / 3/4"	1"	Stainless steel	0,28
-	25 x 6 / 1"	1"	Brass	0,30
-	25 x 6 / 1"	1"	Steel	0,30
-	25 x 6 / 1"	1"	Stainless steel	0,30
-	25 x 6 / 1"	1 1/4"	Brass	0,37
-	25 x 6 / 1"	1 1/4"	Stainless steel	0,39
-	25 x 6 / 1"	1 1/2"	Brass	0,45
-	25 x 6 / 1"	1 1/2"	Stainless steel	0,43
-	25 x 6 / 1"	2"	Brass	0,67
-	25 x 6 / 1"	2"	Stainless steel	0,63
-	32 x 6 / 1 1/4"	1 1/4"	Brass	0,38
-	32 x 6 / 1 1/4"	1 1/4"	Steel	0,37
-	32 x 6 / 1 1/4"	1 1/4"	Stainless steel	0,37
-	32 x 6 / 1 1/4"	1 1/2"	Brass	0,39
-	32 x 6 / 1 1/4"	1 1/2"	Stainless steel	0,42
-	32 x 6 / 1 1/4"	2"	Brass	0,51
-	32 x 6 / 1 1/4"	2"	Stainless steel	0,58
-	35 x 6	1 1/2"	Brass	0,44
-	35 x 6	2"	Brass	0,54
-	38 x 6,5 / 1 1/2"	1 1/2"	Brass	0,44
-	38 x 6,5 / 1 1/2"	1 1/2"	Steel	0,39
-	38 x 6,5 / 1 1/2"	1 1/2"	Stainless steel	0,40
-	38 x 6,5 / 1 1/2"	2"	Brass	0,55
-	38 x 6,5 / 1 1/2"	2"	Stainless steel	0,52
-	40 x 7	1 1/2"	Brass	0,56
-	40 x 7	1 1/2"	Stainless steel	0,54
-	40 x 7	2"	Brass	0,66
-	40 x 7	2"	Stainless steel	0,66
-	45 x 7	2"	Brass	0,82
-	50 x 8 / 2"	2"	Brass	0,73
-	50 x 8 / 2"	2"	Steel	0,67
-	50 x 8 / 2"	2"	Stainless steel	0,67
-	50 x 8 / 2"	2"	Polypropylen	0,33
-	50 x 8 / 2"	2 1/2"	Brass	0,86
-	50 x 8 / 2"	2 1/2"	Stainless steel	0,98
-	63 x 8 / 2 1/2"	2 1/2"	Brass	1,10
-	65 x 7 / 2 1/2"	2 1/2"	Stainless steel	1,10
-	63 x 8 / 2 1/2"	3"	Brass	1,25
-	65 x 7 / 2 1/2"	3"	Stainless steel	1,21
-	75 x 8 / 3"	3"	Brass	1,40
-	75 x 8 / 3"	3"	Steel	1,45
-	75 x 8 / 3"	3"	Stainless steel	1,33
-	75 x 8 / 3"	3"	Polypropylen	0,62
-	75 x 8 / 3"	3"	Aluminium	0,81
-	80 x 8 / 3"	3"	Brass	1,30
-	80 x 8 / 3"	3"	Stainless steel	1,25
-	100 x 8 / 4"	4"	Brass	3,21
-	100 x 8 / 4"	4"	Steel	3,10
-	100 x 8 / 4"	4"	Stainless steel	3,00
-	100 x 8 / 4"	4"	Aluminium	2,05



Weitere Materiale, z.B. NPT-Thread auf Anfrage.

Tank truck couplings according to EN 14420-6 (DIN 28450) - One-piece design

On the one hand tank truck connection, on the other hand pressaluschalen.

Article Number	Nominal Sizes	DN (mm)	Material	Weight (kg/Piece)
-	VKS 50	50 x 8	Brass	0,96
-	VKS 50	50 x 8	Stainless steel	0,83
-	VKS 80	75 x 8	Brass	2,05
-	VKS 80	75 x 8	Stainless steel	1,80
-	VKS 100	100 x 8	Brass	3,50



Article Number	Nominal Sizes	DN (mm)	Material	Weight (kg/Piece)
-	MKS 50	50 x 8	Brass	1,10
-	MKS 50	50 x 8	Stainless steel	1,10
-	MKS 80	75 x 8	Brass	2,35
-	MKS 80	75 x 8	Stainless steel	2,25
-	MKS 100	100 x 8	Brass	4,75



MKS 50 und MKS 80 auf Anfrage auch ...?

M-Blindkappen

With hole for chains with S-hook.

Article Number	Nominal Sizes	Material	Weight (kg/Piece)
-	MB 50	Brass	0,35
-	MB 50	Stainless steel	0,30
-	MB 50	Aluminium	0,14
-	MB 80	Brass	0,87
-	MB 80	Stainless steel	0,66
-	MB 80	Aluminium	0,30
-	MB 100	Stainless steel	1,20
-	MB 100	Aluminium	0,45



V-blanking plug

With hole for chains with S-hook.

Article Number	Nominal Sizes	Material	Weight (kg/Piece)
-	VB 50	Brass	0,32
-	VB 50	Stainless steel	0,31
-	VB 50	Aluminium	0,13
-	VB 50	Polyamide	0,05
-	VB 80	Brass	0,85
-	VB 80	Stainless steel	0,76
-	VB 80	Aluminium	0,25
-	VB 80	Polyamide	0,12
-	VB 100	Stainless steel	1,15
-	VB 100	Aluminium	0,44
-	VB 100	Polyamide	0,16



LOCKING ALARMS according to EN 14420-7 (DIN 2828)

„System Kamlok“

Quick couplings comply with DIN 2828 (except sizes 1/2", 5" and 6") and are therefore compatible. The advantage of this coupling system is the quick coupling of the fittings. In addition, no special wrench is required for connecting and no positioning of the coupling side is necessary. The coupling is flat-sealing and vibration-proof due to the eccentric cam of the lever. All attachment parts (bolts, levers, rings) are made of stainless steel. On request, the hose connector is also available with a safety collar for shell binding. With a lever arm coupling you get a high quality and strength by selecting high quality processing methods. Insensitivity to flash rust due to electropolished surfaces in stainless steel and the use of high-quality seals. All products comply with the EU producer liability guidelines. The areas of application are very wide, as listed below: Chemical industry, food industry, refuelling systems, plant and power station construction, mining, shipbuilding, steel industry or forwarding agencies.

Male couplings with female thread

Article Number	Size (Inch)	Thread	Material	Weight (kg/Piece)
-	1/2"	G 1/2"	Brass	0,07
-			Stainless steel	0,06
-			Aluminium	0,02
-	3/4"	G 3/4"	Brass	0,13
-			Stainless steel	0,12
-			Aluminium	0,04
-	1"	G 1"	Brass	0,19
-			Stainless steel	0,20
-			Aluminium	0,08
-			Polypropylen*	0,02
-	1 1/4"	G 1 1/4"	Brass	0,26
-			Stainless steel	0,24
-			Aluminium	0,08
-	1 1/2"	G 1 1/2"	Brass	0,42
-			Stainless steel	0,33
-			Aluminium	0,12
-			Polypropylen*	0,07
-	2"	G 2"	Brass	0,46
-			Stainless steel	0,48
-			Aluminium	0,16
-			Polypropylen*	0,10
-	2 1/2"	G 2 1/2"	Brass	0,98
-			Stainless steel	0,96
-			Aluminium	0,29
-	3"	G 3"	Brass	1,30
-			Stainless steel	1,35
-			Aluminium	0,32
-	4"	G 4"	Brass	1,70
-			Stainless steel	2,15
-			Aluminium	0,48



* keine DIN

Female couplings with female thread

Article Number	Size (Inch)	Thread	Material	Weight (kg/Piece)
-	1/2"	G 1/2"	Brass	0,15
-			Stainless steel	0,15
-			Aluminium	0,06
-	3/4"	G 3/4"	Brass	0,23
-			Stainless steel	0,26
-			Aluminium	0,12
-	1"	G 1"	Brass	0,35
-			Stainless steel	0,32
-			Aluminium	0,19
-			Polypropylen*	0,13
-	1 1/4"	G 1 1/4"	Brass	0,54
-			Stainless steel	0,56
-			Aluminium	0,31
-	1 1/2"	G 1 1/2"	Brass	0,68
-			Stainless steel	0,76
-			Aluminium	0,35
-			Polypropylen*	0,24
-	2"	G 2"	Brass	0,91
-			Stainless steel	0,88
-			Aluminium	0,42
-			Polypropylen*	0,29
-	2 1/2"	G 2 1/2"	Brass	1,15
-			Stainless steel	1,25
-			Aluminium	0,46
-	3"	G 3"	Brass	1,60
-			Stainless steel	1,80
-			Aluminium	0,79
-	4"	G 4"	Brass	2,35
-			Stainless steel	2,65
-			Aluminium	1,15



Male couplings with male thread

Article Number	Size (Inch)	Thread	Material	Weight (kg/Piece)
-	1/2"	R 1/2"2999	Brass	0,12
-			Stainless steel	0,11
-			Aluminium	0,04
-	3/4"	R 3/4"2999	Brass	0,18
-			Stainless steel	0,17
-			Aluminium	0,06
-	1"	R 1"2999	Brass	0,24
-			Stainless steel	0,25
-			Aluminium	0,07
-			Polypropylen	0,04
-	1 1/4"	R 1 1/4"2999	Brass	0,46
-			Stainless steel	0,43
-			Aluminium	0,14



* keine DIN



Article Number	Size (Inch)	Thread	Material	Weight (kg/Piece)
-	1 1/2"	R 1 1/2"2999	Brass	0,56
-			Stainless steel	0,53
-			Aluminium	0,20
-			Polypropylen	0,09
-	2"	R 2"2999	Brass	0,84
-			Stainless steel	0,77
-			Aluminium	0,30
-			Polypropylen	0,11
-	2 1/2"	R 2 1/2"2999	Brass	1,05
-			Stainless steel	1,10
-			Aluminium	0,46
-	3"	R 3"2999	Brass	1,40
-			Stainless steel	1,40
-			Aluminium	0,60
-	4"	R 4"2999	Brass	2,55
-			Stainless steel	2,00
-			Aluminium	1,15

Female couplings with male thread

Article Number	Size (Inch)	Thread	Material	Weight (kg/Piece)
-	1/2"	R 1/2"2999	Brass	0,14
-			Stainless steel	0,13
-			Aluminium	0,06
-	3/4"	R 3/4"2999	Brass	0,23
-			Stainless steel	0,23
-			Aluminium	0,11
-	1"	R 1"2999	Brass	0,37
-			Stainless steel	0,35
-			Aluminium	0,21
-			Polypropylen	0,12
-	1 1/4"	R 1 1/2"2999	Brass	0,62
-			Stainless steel	0,60
-			Aluminium	0,34
-	1 1/2"	R 1 1/2"2999	Brass	0,65
-			Stainless steel	0,67
-			Aluminium	0,31
-			Polypropylen	0,23
-	2"	R 2"2999	Brass	0,93
-			Stainless steel	0,90
-			Aluminium	0,34
-			Polypropylen	0,28
-	2 1/2"	R 2 1/2"2999	Brass	1,15
-			Stainless steel	1,40
-			Aluminium	0,63
-	3"	R 3"2999	Brass	1,35
-			Stainless steel	1,55
-			Aluminium	0,69
-	4"	R 4"2999	Brass	2,10
-			Stainless steel	2,55
-			Aluminium	1,00



Male hose couplings for binding with clamps

Article Number	Size (Inch)	DN (mm)	Material	Weight (kg/Piece)
-	1/2"	13	Brass	0,09
-			Stainless steel	0,09
-			Aluminium	0,03
-	3/4"	19	Brass	0,19
-			Stainless steel	0,14
-			Aluminium	0,06
-	1"	25	Brass	0,26
-			Stainless steel	0,23
-			Aluminium	0,08
-			Polypropylen	0,03
-	1 1/4"	32	Brass	0,42
-			Stainless steel	0,50
-			Aluminium	0,14
-	1 1/2"	38 / 40	Brass	0,55
-			Stainless steel	0,66
-			Aluminium	0,20
-			Polypropylen	0,07
-	2"	50	Brass	0,72
-			Stainless steel	0,70
-			Aluminium	0,28
-			Polypropylen	0,12
-	2 1/2"	63 / 65	Brass	1,10
-			Stainless steel	1,05
-			Aluminium	0,40
-	3"	75	Brass	1,40
-			Stainless steel	1,30
-			Aluminium	0,64
-	4"	100	Brass	2,75
-			Stainless steel	3,00
-			Aluminium	0,91



Female hose couplings for binding with clamps

Article Number	Size (Inch)	DN (mm)	Material	Weight (kg/Piece)
-	1/2"	13	Brass	0,15
-			Stainless steel	0,14
-			Aluminium	0,06
-	3/4"	19	Brass	0,27
-			Stainless steel	0,26
-			Aluminium	0,12
-	1"	25	Brass	0,38
-			Stainless steel	0,35
-			Aluminium	0,19
-			Polypropylen	0,13
-	1 1/4"	32	Brass	0,65
-			Stainless steel	0,64
-			Aluminium	0,30
-	1 1/2"	38 / 40	Brass	0,73
-			Stainless steel	0,77
-			Aluminium	0,40
-			Polypropylen	0,28
-	2"	50	Brass	1,00
-			Stainless steel	1,05
-			Aluminium	0,42
-			Polypropylen	0,29
-	2 1/2"	63 / 65	Brass	1,40
-			Stainless steel	1,50
-			Aluminium	0,50
-	3"	75	Brass	1,95
-			Stainless steel	2,10
-			Aluminium	0,80
-	4"	100	Brass	3,30
-			Stainless steel	3,20
-			Aluminium	1,25



Male couplings with pressed shells

Article Number	Size (Inch)	DN (mm)	Material	Weight (kg/Piece)
-	1/2"	13 x 5	Brass	0,22
-	1/2"	13 x 5	Stainless steel	0,21
-	3/4"	19 x 6	Brass	0,28
-	3/4"	19 x 6	Stainless steel	0,29
-	1"	25 x 6	Brass	0,38
-	1"	25 x 6	Stainless steel	0,36
-	1"	25 x 6	Polypropylen	0,17
-	1 1/4"	32 x 6	Brass	0,54
-	1 1/4"	32 x 6	Stainless steel	0,49
-	1 1/2"	38 x 6,5	Brass	0,63
-	1 1/2"	38 x 6,5	Stainless steel	0,59
-	1 1/2"	38 x 6,5	Polypropylen	0,22
-	1 1/2"	40 x 7	Stainless steel	0,78
-	1 1/2"	40 x 7	Brass	0,73
-	2"	50 x 8	Brass	0,94
-	2"	50 x 8	Stainless steel	0,92
-	2"	50 x 8	Aluminium	0,49
-	2"	50 x 8	Polypropylen	0,34
-	2 1/2"	63 x 8	Stainless steel	1,45
-	2 1/2"	65 x 7	Brass	1,40
-	3"	75 x 8	Brass	1,75
-	3"	75 x 8	Stainless steel	1,70
-	3"	75 x 8	Aluminium	0,91
-	4"	100 x 8	Brass	4,00
-	4"	100 x 8	Stainless steel	4,00
-	4"	100 x 8	Aluminium	2,00



Female couplings with pressed shells

Article Number	Size (Inch)	DN (mm)	Material	Weight (kg/Piece)
-	1/2"	13 x 5	Brass	0,33
-	1/2"	13 x 5	Stainless steel	0,32
-	3/4"	19 x 6	Brass	0,38
-	3/4"	19 x 6	Stainless steel	0,37
-	1"	25 x 6	Brass	0,52
-	1"	25 x 6	Stainless steel	0,49
-	1"	25 x 6	Polypropylen	0,24
-	1 1/4"	32 x 6	Brass	0,75
-	1 1/4"	32 x 6	Stainless steel	0,73
-	1 1/2"	38 x 6,5	Brass	0,83
-	1 1/2"	38 x 6,5	Stainless steel	0,85
-	1 1/2"	38 x 6,5	Polypropylen	0,34
-	1 1/2"	40 x 7	Stainless steel	0,98
-	1 1/2"	40 x 7	Brass	1,00
-	2"	50 x 8	Brass	1,20
-	2"	50 x 8	Stainless steel	1,15
-	2"	50 x 8	Aluminium	0,57
-	2"	50 x 8	Polypropylen	0,54
-	2 1/2"	63 x 8	Stainless steel	1,70
-	2 1/2"	65 x 7	Brass	2,00
-	3"	75 x 8	Brass	2,50
-	3"	75 x 8	Stainless steel	2,20
-	3"	75 x 8	Aluminium	1,00
-	4"	100 x 8	Brass	4,40
-	4"	100 x 8	Stainless steel	3,80
-	4"	100 x 8	Aluminium	2,15



Male couplings with flanges

Article Number	Size (Inch)	Flange / D (mm)	Material	Weight (kg/Piece)
-	1/2"	DN 15 PN 10/16	Steel	0,76
-			Stainless steel	0,76
-	3/4"	DN 20 PN 10/16	Steel	1,10
-			Stainless steel	1,10
-	1"	DN 25 PN 10/16	Steel	1,35
-			Stainless steel	1,35
-	1 1/4"	DN 32 PN 10/16	Steel	2,05
-			Stainless steel	2,05
-	1 1/2"	DN 40 PN 10/16	Steel	2,45
-			Stainless steel	2,45
-	2"	DN 50 PN 10/16	Steel	3,10
-			Stainless steel	3,10
-	2 1/2"	DN 65 PN 10/16	Steel	3,85
-			Stainless steel	3,85
-	3"	DN 80 PN 10/16	Steel	4,80
-			Stainless steel	4,80
-	4"	DN 100 PN 10/16	Steel	6,15
-			Stainless steel	6,15



Female couplings with flanges

Article Number	Size (Inch)	Flange / D (mm)	Material	Weight (kg/Piece)
-	1/2"	DN 15 PN 10/16	Stainless steel	0,78
-	3/4"	DN 20 PN 10/16	Stainless steel	1,20
-	1"	DN 25 PN 10/16	Stainless steel	1,50
-	1 1/4"	DN 32 PN 10/16	Stainless steel	2,30
-	1 1/2"	DN 40 PN 10/16	Stainless steel	2,60
-	2"	DN 50 PN 10/16	Stainless steel	3,40
-	2 1/2"	DN 65 PN 10/16	Stainless steel	4,45
-	3"	DN 80 PN 10/16	Stainless steel	5,45
-	4"	DN 100 PN 10/16	Stainless steel	7,20

Further lever arm articles, like e.g: welding ends, plugs, Caps and spare parts





KARDAN - FITTINGS „SYSTEM PERROT“

Coupling made of galvanized steel, consisting of a male coupling and a female coupling with seal and clamping ring. This industrial coupling is suitable for heavy duty applications, e.g. irrigation, agriculture and industrial cleaning. The coupling can be opened or closed with one handle. When closing the coupling, the rubber seal is compressed, resulting in absolute suction and pressure tightness. Cardan couplings allow a lateral angle change of 15° in relation to the coupling axis. On request, the cardan coupling is also available in stainless steel or with a hose nozzle for shell mounting.

Father part with beaded hose nozzle

Article Number	Size (mm)	Weight (kg/Piece)
-	50 x 50	
-	70 x 63	
-	70 x 70	
-	70 x 75	
-	89 x 75	
-	89 x 80	
-	89 x 89	
-	89 x 100	
-	108 x 75	
-	108 x 90	
-	108 x 102	
-	108 x 110	
-	133 x 102	
-	133 x 125	
-	133 x 152	
-	159 x 50	
-	159 x 102	
-	159 x 125	
-	159 x 133	
-	159 x 152	
-	159 x 159	
-	216 x 200	



Male part with turned hose nozzle, heavy design with 2 grooves or with scaled grommet

Article Number	Size (mm)	Weight (kg/Piece)
-	50 x 50	
-	70 x 70	
-	70 x 75	
-	89 x 75	
-	89 x 80	
-	89 x 89	
-	108 x 102	
-	108 x 110	
-	133 x 125	
-	159 x 152	
-	216 x 200	



Female part with beaded hose nozzle

Article Number	Size (mm)	Weight (kg/Piece)
-	50 x 50	
-	70 x 63	
-	70 x 70	
-	70 x 75	
-	89 x 75	
-	89 x 80	
-	89 x 89	
-	89 x 100	
-	108 x 75	
-	108 x 90	
-	108 x102	
-	108 x 110	
-	133 x 75	
-	133 x 102	
-	133 x 125	
-	133 x 152	
-	159 x 102	
-	159 x 125	
-	159 x 133	
-	159 x 152	
-	159 x 159	
-	216 x 200	



Female part with turned hose nozzle, heavy duty with 2 screw holes or with soup spout

Article Number	Size (mm)	Weight (kg/Piece)
-	50 x 50	
-	70 x 70	
-	70 x 75	
-	89 x 75	
-	89 x 80	
-	89 x 89	
-	108 x 102	
-	108 x 110	
-	133 x 125	
-	159 x 152	
-	216 x 200	



Cardan father and mother part in further Versions available



Female part to weld on

Article Number	Size (mm / Inch)	Weight (kg/Piece)
-	50 / 2"	
-	70 / 2 1/2"	
-	89 / 3"	
-	108 / 4"	
-	133 / 5"	
-	159 / 6"	
-	216 / 8"	

* Father part also available on request.



Female end cap

Article Number	Size (mm / Inch)	Weight (kg/Piece)
-	50 / 2"	
-	70 / 2 1/2"	
-	89 / 3"	
-	108 / 4"	
-	133 / 5"	
-	159 / 6"	
-	216 / 8"	

* Vaterenteil ebenfalls auf Anfrage erhältlich.



O-rings for cardan couplings

Article Number	Size (mm / Inch)	Weight (kg/Piece)
-	50 / 2"	
-	70 / 2 1/2"	
-	89 / 3"	
-	108 / 4"	
-	133 / 5"	
-	159 / 6"	
-	216 / 8"	



Further cardan articles, such as threaded connections, bends, fittings for shell integration or reducers.



STORZ-Couplings

A symmetrical quick coupling, thus no mother and father part and no problems with the correct allocation when coupling the hose ends. Design and function of the Storz System couplings. Unless otherwise stated, the permissible operating pressure PN16.



Storz outlet and suction couplings

Made of light metal (other materials on request). Design: forged cleat parts.

Article Number	Nominal Size	Hose Ø inside (mm)	Distance between lugs (mm)	Length Nozzle (mm)	Pressure stage (PN)	Weight (kg/Piece)
-	D/25	19	31	50	16	0,30
-	D/25	25	31	53	16	0,30
-	32	32	44	80	16	0,10
-	C/52	25	66	90	16	0,90
-	C/52	32	66	90	16	0,40
-	38	38	52	90	16	0,70
-	C/52	38	66	90	16	1,10
-	65	38	81	90	16	1,40
-	C/52	52	66	90	16	0,90
-	B/75	52	89	125	16	0,70
-	65	63	81	100	16	1,50
-	B/75	63	89	125	16	0,70
-	B/75	70	89	125	16	0,70
-	B/75	75	89	125	16	1,90
-	B/75	80	89	125	16	0,70
-	100	100	115	150	16	1,20
-	A/110	100	133	170	16	1,60
-	A/110	110	133	170	16	1,70
-	150	150	160	180	16	2,70



Storz Pressure Couplings

Made of light metal (other materials on request). Design: forged cleat parts.

Article Number	Nominal Size	Hose Ø inside (mm)	Distance between lugs (mm)	Length Nozzle (mm)	Pressure stage (PN)	Weight (kg/Piece)
-	C/52	19	66	42	16	0,40
-	C/52	25	66	41	16	1,00
-	C/52	38	66	90	16	0,40
-	C/52	42	66	55	16	0,30
-	C/52	45	66	90	16	0,90
-	C/52	52	66	90	16	1,10
-	B/75	75	89	125	16	0,70

Pressure and suction couplings for tray binding

Storz system, light metal. With smooth hose nozzle and safety collar. Design: forged cleat parts.



Article Number	Nominal Size	Hose Ø inside (mm)	Distance between lugs (mm)	Length Nozzle (mm)	Pressure stage (PN)	Weight (kg/Piece)
-	C	50	66	90	16	
-	B	75	89	125	16	
-	A	100	133	170	16	

Pressure and suction couplings for clamp binding

Storz system, light metal. With screwed-in grooves. Design: forged cleat parts



Article Number	Nominal Size	For Hose (mm)	Distance between lugs (mm)	Length Nozzle (mm)	Pressure stage (PN)	Weight (kg/Piece)
-	C	52	66	90	16	
-	B	75	89	125	16	
-	A	100	133	170	16	
-	F3 Knaggen	150	160	180	16	

Fixed couplings with female thread

Storz system, light metal. Design: forged cleat parts.



Article Number	Nominal Size	Hose Ø inside (mm)	Distance between lugs (mm)	Thread (Inch)	Pressure stage (PN)	Weight (kg/Piece)
-	D/25	18	31	G 3/4"	16	0,20
-	D/25	18	31	G 1"	16	0,20
-	32	25	44	G 1"	16	0,10
-	C/52	25	66	G 1"	16	0,60
-	38	32	52	G 1 1/4"	16	0,40
-	C/52	32	66	G 1 1/4"	16	0,60
-	38	32	52	G 1 1/2"	16	0,50
-	C/52	40	66	G 1 1/2"	16	0,60
-	C/52	44	66	G 2"	16	0,80
-	65	50	81	G 2"	16	1,00
-	B/75	50	89	G 2"	16	1,30
-	C/52	44	66	G 2 1/2"	16	0,80
-	65	58	81	G 2 1/2"	16	1,10
-	B/75	65	89	G 2 1/2"	16	1,30
-	65	58	81	G 3"	16	0,60
-	B/75	65	89	G 3"	16	1,30
-	100	89	115	G 4"	16	0,80
-	A/110	100	133	G 4"	16	1,00

Fixed couplings with male thread

Storz system, light metal. Design: forged cleat parts.



Article Number	Nominal Size	Hose Ø inside (mm)	Distance between lugs (mm)	Thread (Inch)	Pressure stage (PN)	Weight (kg/Piece)
-	D/25		31	G 1"	16	
-	32		44	G 1"	16	
-	C/52		66	G 1"	16	
-	38		44	G 1 1/4"	16	
-	C/52		52	G 1 1/4"	16	
-	38		66	G 1 1/4"	16	
-	C/52		52	G 1 1/2"	16	
-	C/52		66	G 1 1/2"	16	
-	65		66	G 2"	16	
-	B/75		81	G 2"	16	
-	C/52		81	G 2 1/2"	16	
-	65		81	G 3"	16	
-	B/75		89	G 3"	16	
-	A/110		115	G 4"	16	
-	A/110		133	G 4"	16	

Transition pieces - Storz to Storz / Geka

Storz system, light metal. Design: forged cleat parts.

Article Number	Nominal Size	Distance between lugs (mm)	Pressure stage (PN)	Weight (kg/Piece)
-	25 - Geka	31 - 40	16	0,20
-	D/25 - C/52	31 - 66	16	0,90
-	38 - C/52	52 - 66	16	0,40
-	52 - Geka	66 - 40	16	0,40
-	52 - 65	66 - 81	16	0,60
-	C/52 - B/75	66 - 89	16	1,80
-	B/75 - A/110	89 - 133	16	1,50



Adapters - Storz to flange DIN 2501, PN 16

Storz system, light metal. Design: forged cleat parts.

Article Number	Nominal Size	innen (mm)	Distance between lugs (mm)	Bolt circle (mm)	Number of holes	Weight (kg/Piece)
-	52-C - DN 50	44	66	125	4	1,10
-	75-B - DN 65	62	89	145	4	1,80
-	75-B - DN 80	62	89	160	8	1,80
-	110-A - DN 100	100	133	180	8	2,90
-	110-A - DN 125	100	133	210	8	3,60
-	150 - DN 150	130	160	240	8	5,40



Blank caps with chain

Storz system, light metal. Design: forged cleat parts.

Article Number	Nominal Size	Distance between lugs (mm)	Pressure stage (PN)	Weight (kg/Piece)
-	D/25	31	16	0,30
-	C/52	66	16	0,80
-	65	81	16	1,20
-	B/75	89	16	1,50
-	100	115	16	0,90
-	A/110	133	16	3,60



Coupling wrench for quick couplings "Storz System"

Type BC = for cleat distance 66 - 89 mm

Type ABC = for cleat spacing 66 - 133 mm

Article Number	Nominal Size	Material	LxBxH (mm)	Weight (kg/Piece)
-	75-B - 65 - 52-C	Steel	280x71x9	0,30
-	75-B - 65 - 52-C	Temperguss	285x90x11	0,40
-	110-A - 75-B - 52-C	Steel	400x95x11	0,70
-	110-A - 75-B - 52-C	Temperguss	410x115x12	0,80



Multipurpose radiant tubes with fixed couplings

Storz' system, light alloy, operating lever for switching sequence: closed / full / spray.

Design: forged cleat parts - PN 16

Article Number	Nominal Size	Distance between lugs	Drilling	Weight (kg/Piece)
-	C/52	66	12 x 9	
-	B/75	81	12 x 9	



Other Storz articles, such as

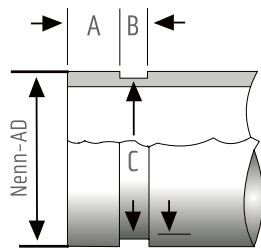
Sealing rings, safety clamps or folding coupling handles



Coupling, Victaulic system - hose socket & safety collar - standard

These universal couplings offer an easily assembled solution for very many applications due to their high pressure resistance and the large variety of types. The connection comprises two similar grooved pipe ends that can be connected with different types of clamps. Small pipe alignment and/or length tolerances can be flexibly compensated, or the connection can be mounted absolutely rigidly and inflexibly depending on clamp type. The seal is pushed over the pipe grooves from the outside and clamped with the outer clamp. Depending on seal selection, these couplings are suitable for water, mineral oils & similar non-hazardous liquids.

- **Operating Pressure:** from 20 bar to 34 bar; for details, see the lower table (each at 20 °C, observe temperature - pressure reductions); please observe the max. operating pressure of the clamping shell standard for clamping shell integration!
- **Sizes:** NW 20 to NW305
- **Standardisation:** according to factory standard (do not use for potable water)
- **Material body:** Standard steel, galvanised
- **Seals:** please order separately - EPDM hot-water resilient up to 120 °C or NBR oil resilient up to 80 °C
- **Additional information:** can be assembled with rigid or flexible screw clamp, as well as with quick-tensioning clamp (see that heading)



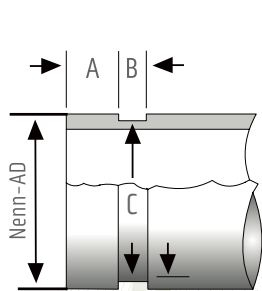
Article Number	KennSize	front Ø Nennmaß [mm]	Distance „A“ [mm] min/max	Groove width „B“ [mm] min/max	Maß „C“ Nut AØ [mm] min/max	max. Operating Pres- sure *
NW20	3/4"	26,9	15,1-16,7	6,4-7,9	23,4-23,8	34 bar
NW25	1"	33,7	15,1-16,7	6,4-7,9	29,9-30,2	34 bar
NW32	1 1/4"	42,4	15,1-16,7	6,4-7,9	38,5-39,0	34 bar
NW38	1 1/2"	48,3	15,1-16,7	6,4-7,9	44,7-45,1	34 bar
NW42	57mm	57	15,1-16,7	8,0-9,5	53,4-53,8	34 bar
NW50	2"	60,3	15,1-16,7	8,0-9,5	56,8-57,2	34 bar
NW63	2 1/2"	73	15,1-16,7	8,0-9,5	68,6-69,1	34 bar
NW75	76,1mm	76,1	15,1-16,7	8,0-9,5	71,8-72,3	34 bar
NW75	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9	34 bar
NW80	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9	34 bar
NW90	3 1/2"	101,6	15,1-16,7	8,0-9,5	96,9-97,4	34 bar
NW100	108mm	108	15,1-16,7	8,0-9,5	103,2-103,7	34 bar
NW100	4"	114,3	15,1-16,7	8,0-9,5	109,6-110,1	34 bar
NW110	4 1/2"	127	15,1-16,7	8,0-9,5	122,3-122,8	27bar
NW127	133mm	133	15,1-16,7	8,0-9,5	128,6-129,1	27bar
NW127	139,7mm	139,7	15,1-16,7	8,0-9,5	135,0-135,5	27bar
	5"	141,3	15,1-16,7	8,0-9,5	136,5-137,0	27bar
	5 1/2"	148	Sondertyp „Schwing“ - Dimensions on request			27bar
NW152	152,4mm	152,4	15,1-16,7	8,0-9,5	147,5-148,1	27bar
	159mm	159	15,1-16,7	8,0-9,5	152,5-153,2	27bar
NW152	165,1mm	165,1	15,1-16,7	8,0-9,5	160,2-160,8	27bar
	6"	168,3	15,1-16,7	8,0-9,5	163,4-164,0	27bar
NW203	203,2mm	203,2	18,3-19,8	11,1-12,7	211,0-211,6	20bar
NW203	216,3mm	216,3	18,3-19,8	11,1-12,7	213,8-214,4	20bar
NW203	8"	219,1	18,3-19,8	11,1-12,7	248,5-249,2	20bar
NW254	254mm	254	18,3-19,8	11,1-12,7	262,0-262,6	20bar
	267,7mm	267,7	18,3-19,8	11,1-12,7	267,6-268,3	20bar
	10"	273	18,3-19,8	11,1-12,7	298,5-299,2	20bar
NW305	304,8mm	304,8	18,3-19,8	11,1-12,7	312,2-313,0	20bar
	318,5mm	318,5	18,3-19,8	11,1-12,7	317,5-318,3	20bar
	12"	323,9	18,3-19,8	11,1-12,7	349,3-350,0	20bar

Coupling, Victaulic system - hose socket & safety collar - 85 bar

These universal couplings offer an easily assembled solution for very many applications due to their high pressure resistance and the large variety of types. The connection comprises two similar grooved pipe ends that can be connected with different types of clamps. Small pipe alignment and/or length tolerances can be flexibly compensated, or the connection can be mounted absolutely rigidly and inflexibly depending on clamp type. The seal is pushed over the pipe grooves from the outside and clamped with the outer clamp. Find a special 85-bar high-pressure hose sleeve and the matching press sleeves for mortar high-pressure delivery hoses with unstripped outer jacket below. Outer stripping versions are available upon request. The hose integration should only be performed by specialist operations, using the following matching press sleeves.

- **Operating Pressure:** all sizes up to an operating pressure of 85 bar
- **Sizes:** NW 38 to NW150
- **Standardisation:** according to factory standard (do not use for potable water)
- **Material body:** Standard steel, tempered
- **Seals:** please order separately - EPDM hot-water resilient up to 120 °C or NBR oil resilient up to 80 °C
- **Additional information:** can be assembled with rigid or flexible screw clamp, as well as with quick-tensioning clamp (see that heading)

Article Number	KennSize	front Ø Nennmaß (mm)	Distance „A“ (mm) min/max	Groove width „B“ (mm) min/max	Maß „C“ Nut AØ (mm) min/max
NW38	1 1/2"	48,3	15,1-16,7	6,4-7,9	44,7-45,1
	57 mm	57	15,1-16,7	8,0-9,5	53,4-53,8
NW50	2"	60,3	15,1-16,7	8,0-9,5	56,8-57,2
	2 1/2"	73	15,1-16,7	8,0-9,5	68,6-69,1
	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9
NW65	2 1/2"	73	15,1-16,7	8,0-9,5	68,6-69,1
	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9
NW75	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9
	3 1/4"	97,2	Sondertyp „Schwing“ - Maße auf Anfrage		
NW80	3 1/4"	97,2	Sondertyp „Schwing“ - Maße auf Anfrage		
	4"	114,3	15,1-16,7	8,0-9,5	109,6-110,1
	4 1/2"	127	15,1-16,7	8,0-9,5	122,3-122,8
NW85	4"	114,3	15,1-16,7	8,0-9,5	109,6-110,1
	4 1/2"	127	15,1-16,7	8,0-9,5	122,3-122,8
NW100	4"	114,3	15,1-16,7	8,0-9,5	109,6-110,1
	4 1/2"	127	15,1-16,7	8,0-9,5	122,3-122,8
	5 1/2"	148	Sondertyp „Schwing“ - Maße auf Anfrage		
NW112	4 1/2"	127	15,1-16,7		122,3-122,8
	5 1/2"	148	Sondertyp „Schwing“ - Maße auf Anfrage		
NW125	5"	141,3	15,1-16,7	8,0-9,5	136,5-137,0
	5 1/2"	148	Sondertyp „Schwing“ - Maße auf Anfrage		
NW150	5"	141,3	15,1-16,7	8,0-9,5	136,5-137,0
	6"	168,3	15,1-16,7	8,0-9,5	163,4-164,0



Coupling, Victaulic system - hose socket screwed on the outside

The following "Victa-Uni" coupling type version is designed for a special low-pressure application. This is a hose sleeve pushed over the hose from the outside to then be screwed on from the outside with Spax or similar screws. This coupling type can be found, among other things, in low-pressure mortar hoses, as well as in gunning or pebble hoses. The attachment screws are NOT part of the delivery.

- **Operatind Pressure:** all sizes for approx. 6-10 bar operating pressure
- **Sizes:** For hose AD 48 mm to AD 91 mm
- **Standardisation:** according to factory standard
- **Material body:** Standard steel
- **Seals:** please order separately – EPDM hot-water resilient up to 120 °C or NBR oil resilient up to 80 °C
- **Additional information:** can be assembled with rigid or flexible screw clamp, as well as with quick-tensioning clamp (see that heading)



Article Number	Für Schlauch AD	Victaulic-Identity Measuree				Maß „C“ Nut AØ (mm) min/max
		Kupplungs- KennSize	front Ø Nennmaß (mm)	Distance „A“ (mm) min/max	Groove width „B“ (mm) min/max	
NW38x8	48 mm	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9
NW32x10	52 mm	2 1/2"	73	15,1-16,7	8,0-9,5	68,6-69,1
		76,1mm	76,1	15,1-16,7	8,0-9,5	71,8-72,3
		3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9
NW38x10	58 mm	2 1/2"	73	15,1-16,7	8,0-9,5	68,6-69,1
		76,1mm	76,1	15,1-16,7	8,0-9,5	71,8-72,3
		3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9
NW40x10	60 mm	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9
NW48x11,5	71 mm	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9
NW50x8	66 mm	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9
NW50x10	70 mm	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9
NW65x10	85 mm	4"	114,3	15,1-16,7	8,0-9,5	109,6-110,1
NW65x13	91 mm	4"	114,3	15,1-16,7	8,0-9,5	109,6-110,1



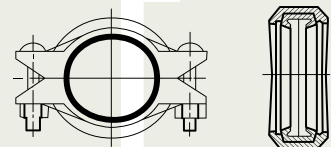
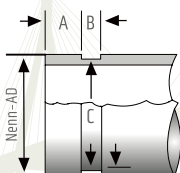
Coupling, Victaulic system type 7F clamping clamp - FLEXIBLE design

These universal couplings offer an easily assembled solution for very many applications due to their high pressure resistance and the large variety of types. The connection comprises two similar grooved pipe ends that can be connected with different types of clamps. This flexible clamp type permits flexible compensation of slight pipe alignment or length tolerances (detail information is available on request). The seal is pushed over the pipe grooves from the outside and clamped with the outer clamp. Depending on seal selection, these couplings are suitable for water, mineral oils, and similar non-hazardous liquids.

- **Operatind Pressure:** from 20 bar to 34 bar; for details, see the lower table (each at 20 °C, observe temperature - pressure reductions)
- **Sizes:** 3/4" to 12"
- **Standardisation:** according to factory standard (do not use for potable water)
- **Material body:** ductile cast iron, galvanised or coated red
- **Seals:** EPDM up to 120 °C are part of the delivery; NBR up to 80 °C can be ordered separately, see the following pages.
- **Important:** This type is available on request with VDS approval for fire extinguishing hydrant lines and with approval for sprinkler pipes - these parts are then approved up to 16 bar BD each.

Article Number	Parameter	Victaulic-Identity Measuree				max. Operatind Pressure **
		front Ø Nenn-AD (mm)	Distance „A“ (mm) min/max	Groove width „B“ (mm) min/max	Maß „C“ Nut AØ (mm) min/max	
-	3/4"	26,9	15,1-16,7	6,4-7,9	23,4-23,8	34bar
-	1"	33,7	15,1-16,7	6,4-7,9	29,9-30,2	34bar
-	1 1/4"	42,4	15,1-16,7	6,4-7,9	38,5-39,0	34bar
-	1 1/2"	48,3	15,1-16,7	6,4-7,9	44,7-45,1	34bar
-	57 mm	57	15,1-16,7	8,0-9,5	53,4-53,8	34bar
-	2"	60,3	15,1-16,7	8,0-9,5	56,8-57,2	34bar
-	2 1/2"	73	15,1-16,7	8,0-9,5	68,6-69,1	34bar
-	76,1 mm	76,1	15,1-16,7	8,0-9,5	71,8-72,3	34bar
-	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9	34bar
-	3 1/2"	101,6	15,1-16,7	8,0-9,5	96,9-97,4	34bar
-	108 mm	108	15,1-16,7	8,0-9,5	103,2-103,7	34bar
-	4"	114,3	15,1-16,7	8,0-9,5	109,6-110,1	34bar
-	4"-50	114,3	Special size with groove diameter 107 mm			aA
-	4 1/2"	127	15,1-16,7	8,0-9,5	122,3-122,8	27bar
-	133 mm	133	15,1-16,7	8,0-9,5	128,6-129,1	27bar
-	139,7 mm	139,7	15,1-16,7	8,0-9,5	135,0-135,5	27bar
-	5"	141,3	15,1-16,7	8,0-9,5	136,5-137,0	27bar
-	152,4 mm	152,4	15,1-16,7	8,0-9,5	147,5-148,1	27bar
-	159 mm	159	15,1-16,7	8,0-9,5	152,5-153,2	27bar
-	165,1 mm	165,1	15,1-16,7	8,0-9,5	160,2-160,8	27bar
-	165,1-50	165,1	Special size with groove diameter 158 mm			aA
-	6"	168,3	15,1-16,7	8,0-9,5	163,4-164,0	27bar
-	203,2 mm	203,2	18,3-19,8	11,1-12,7	211,0-211,6	20bar
-	216,3 mm	216,3	18,3-19,8	11,1-12,7	213,8-214,4	20bar
-	8"	219,1	18,3-19,8	11,1-12,7	248,5-249,2	20bar
-	254 mm	254	18,3-19,8	11,1-12,7	262,0-262,2	20bar
-	267,7 mm	267,7	18,3-19,8	11,1-12,7	267,6-268,3	20bar
-	10"	273	18,3-19,8	11,1-12,7	298,5-288,2	20bar
-	304,8 mm	304,8	18,3-19,8	11,1-12,7	312,2-313,0	20bar
-	318,5 mm	318,5	18,3-19,8	11,1-12,7	317,5-318,3	20bar
-	12"	323,9	18,3-19,8	11,1-12,7	349,3-350,0	20bar

** Always under consideration of the application parameters, also see introduction text.



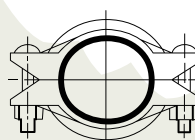
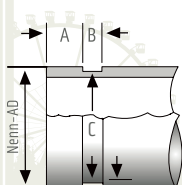
Coupling, Victaulic system type 7S clamping clamp - RIGID design

These universal couplings offer an easily assembled solution for very many applications due to their high pressure resistance and the large variety of types. The connection comprises two similar grooved pipe ends that can be connected with different types of clamps. This rigid clamp type is used to screw the couplings as fixed connection - ensure precise pipe alignment (detail information is available on request). The seal is pushed over the pipe grooves from the outside and clamped with the outer clamp. Depending on seal selection, these couplings are suitable for water, mineral oils, and similar non-hazardous liquids.

- **Operatind Pressure:** from 20 bar to 34 bar; for details, see the lower table (each at 20 °C, observe temperature - pressure reductions)
- **Sizes:** 3/4" to 12"
- **Standardisation:** according to factory standard (do not use for potable water)
- **Material body:** ductile cast iron, galvanised or coated red
- **Seals:** EPDM up to 120 °C are part of the delivery; NBR up to 80 °C can be ordered separately, see the following pages.
- **Important:** his type is available on request with VDS approval for fire extinguishing hydrant lines and with approval for sprinkler pipes - these parts are then approved up to 16 bar BD each.

-Article Number-	Parameter	Victaulic-Identity Measuree				max. Operatind Pressure **
		front Ø Nenn-AD (mm)	Distance „A“ (mm) min/max	Groove width „B“ (mm) min/max	Maß „C“ Nut AØ (mm) min/max	
-	3/4"	26,9	15,1-16,7	6,4-7,9	23,4-23,8	34bar
-	1"	33,7	15,1-16,7	6,4-7,9	29,9-30,2	34bar
-	1 1/4"	42,4	15,1-16,7	6,4-7,9	38,5-39,0	34bar
-	1 1/2"	48,3	15,1-16,7	6,4-7,9	44,7-45,1	34bar
-	57 mm	57	15,1-16,7	8,0-9,5	53,4-53,8	34bar
-	2"	60,3	15,1-16,7	8,0-9,5	56,8-57,2	34bar
-	2 1/2"	73	15,1-16,7	8,0-9,5	68,6-69,1	34bar
-	76,1 mm	76,1	15,1-16,7	8,0-9,5	71,8-72,3	34bar
-	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9	34bar
-	3 1/2"	101,6	15,1-16,7	8,0-9,5	96,9-97,4	34bar
-	108 mm	108	15,1-16,7	8,0-9,5	103,2-103,7	34bar
-	4"	114,3	15,1-16,7	8,0-9,5	109,6-110,1	34bar
-	4"-50	114,3	Special size with groove diameter 107 mm			aA
-	4 1/2"	127	15,1-16,7	8,0-9,5	122,3-122,8	27bar
-	133 mm	133	15,1-16,7	8,0-9,5	128,6-129,1	27bar
-	139,7 mm	139,7	15,1-16,7	8,0-9,5	135,0-135,5	27bar
-	5"	141,3	15,1-16,7	8,0-9,5	136,5-137,0	27bar
-	152,4 mm	152,4	15,1-16,7	8,0-9,5	147,5-148,1	27bar
-	159 mm	159	15,1-16,7	8,0-9,5	152,5-153,2	27bar
-	165,1 mm	165,1	15,1-16,7	8,0-9,5	160,2-160,8	27bar
-	165,1-50	165,1	Special size with groove diameter 158 mm			aA
-	6"	168,3	15,1-16,7	8,0-9,5	163,4-164,0	27bar
-	203,2 mm	203,2	18,3-19,8	11,1-12,7	211,0-211,6	20bar
-	216,3 mm	216,3	18,3-19,8	11,1-12,7	213,8-214,4	20bar
-	8"	219,1	18,3-19,8	11,1-12,7	248,5-249,2	20bar
-	254 mm	254	18,3-19,8	11,1-12,7	262,0-262,2	20bar
-	267,7 mm	267,7	18,3-19,8	11,1-12,7	267,6-268,3	20bar
-	10"	273	18,3-19,8	11,1-12,7	298,5-288,2	20bar
-	304,8 mm	304,8	18,3-19,8	11,1-12,7	312,2-313,0	20bar
-	318,5 mm	318,5	18,3-19,8	11,1-12,7	317,5-318,3	20bar
-	12"	323,9	18,3-19,8	11,1-12,7	349,3-350,0	20bar

** Always under consideration of the application parameters, also see introduction text.

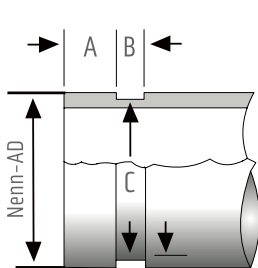


Coupling, Victaulic system - clamping quick-tensioning clamp standard

These universal couplings offer an easily assembled solution for very many applications due to their high pressure resistance and the large variety of types. The connection comprises two similar grooved pipe ends that can be connected with different types of clamps. Small pipe alignment and/or length tolerances can be flexibly compensated, or the connection can be mounted absolutely rigidly and inflexibly depending on clamp type. The seal is pushed over the pipe grooves from the outside and clamped with the outer clamp. Depending on seal selection, these couplings are suitable for water, mineral oils, and similar non-hazardous liquids.

- **Operatind Pressure:** from 20 bar to 34 bar; for details, see the lower table (each at 20 °C, observe temperature - pressure reductions)
- **Sizes:** 1 1/2" to 8"
- **Standardisation:** according to factory standard (do not use for potable water)
- **Material body:** Cast iron coated black
- **Seals:** included in the delivery EPDM up to 120 °C or separately ordered NBR up to 80 °C (see that heading)
- **Additional information:** A 85-bar high-pressure version is available in addition to this standard version.

Article Number	Parameter	Victaulic-Identity Measuree				max. Operatind Pressure
		front Ø Nenn-AD (mm)	Distance „A“ (mm) min/max	Groove width „B“ (mm) min/max	Maß „C“ Nut AØ (mm) min/max	
-	1 1/2"	48,3	15,1-16,7	6,4-7,9	44,7-45,1	34bar
-	57 mm	57	15,1-16,7	8,0-9,5	53,4-53,8	34bar
-	2"	60,3	15,1-16,7	8,0-9,5	56,8-57,2	34bar
-	2 1/2"	73	15,1-16,7	8,0-9,5	68,6-69,1	34bar
-	76,1 mm	76,1	15,1-16,7	8,0-9,5	71,8-72,3	34bar
-	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9	34bar
-	3 1/2"	101,6	15,1-16,7	8,0-9,5	96,9-97,4	34bar
-	108 mm	108	15,1-16,7	8,0-9,5	103,2-103,7	34bar
-	4"	114,3	15,1-16,7	8,0-9,5	109,6-110,1	34bar
-	4 1/2"	127	15,1-16,7	8,0-9,5	122,3-122,8	27bar
-	133 mm	133	15,1-16,7	8,0-9,5	128,6-129,1	27bar
-	139,7 mm	139,7	15,1-16,7	8,0-9,5	135,0-135,5	27bar
-	5"	141,3	15,1-16,7	8,0-9,5	136,5-137,0	27bar
-	152,4 mm	152,4	15,1-16,7	8,0-9,5	147,5-148,1	27bar
-	159 mm	159	15,1-16,7	8,0-9,5	152,5-153,2	27bar
-	165,1 mm	165,1	15,1-16,7	8,0-9,5	160,2-160,8	27bar
-	6"	168,3	15,1-16,7	8,0-9,5	163,4-164,0	27bar
-	203,2 mm	203,2	18,3-19,8	11,1-12,7	211,0-211,6	20bar
-	216,3 mm	216,3	18,3-19,8	11,1-12,7	213,8-214,4	20bar
-	8"	219,1	18,3-19,8	11,1-12,7	248,5-249,2	20bar

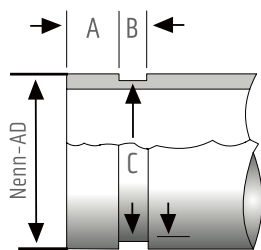


Coupling, Victaulic system - clamping quick-tensioning clamp 85 bar

These quick-tensioning clamps are specifically designed for high-pressure applications in the concrete pump area, up to a maximal operating pressure of 85 bar. Please only use these clamps combined with the tempered couplings of our type AKS-11b. The clamps are made of ductile galvanised cast iron. The seal is pushed over the pipe grooves from the outside and clamped with the outer clamp. These clamps can be secured against unintended opening with standard cotter pins.

- **Operatind Pressure:** all lower types up to 85 bar (each at 20 °C, observe temperature - pressure reductions)
- **Sizes:** 2 1/2" to 6"
- **Standardisation:** according to factory standard (do not use for potable water)
- **Material body:** ductile cast iron, galvanised
- **Seals:** included in the delivery EPDM up to 120 °C, NBR can be ordered separately (see that heading)

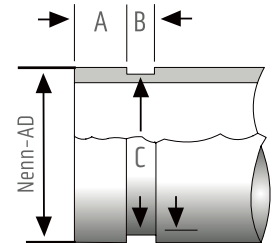
Article Number	Parameter	Victaulic-Identity Measuree				max. Operatind Pressure
		front Ø Nenn-AD (mm)	Distance „A“ (mm) min/max	Groove width „B“ (mm) min/max	Maß „C“ Nut AØ (mm) min/max	
-	2 1/2"	73	15,1-16,7	8,0-9,5	68,6-69,1	85bar
-	76,1 mm	76,1	15,1-16,7	8,0-9,5	71,8-72,3	-
-	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9	85bar
-	3 1/4"	97,2	Sondertyp - Maße auf Anfrage			85bar
-	3 1/4"	101,6	15,1-16,7	8,0-9,5	96,9-97,4	-
-	108 mm	108	15,1-16,7	8,0-9,5	103,2-103,7	-
-	4"	114,3	15,1-16,7	8,0-9,5	109,6-110,1	85bar
-	4"-50	114,3	SonderSize mit Nutdurchmesser 107mm			-
-	4 1/2"	127	15,1-16,7	8,0-9,5	122,3-122,8	85bar
-	133 mm	133	15,1-16,7	8,0-9,5	128,6-129,1	-
-	139,7 mm	139,7	15,1-16,7	8,0-9,5	135,0-135,5	-
-	5"	141,3	15,1-16,7	8,0-9,5	136,5-137,0	85bar
-	5 1/2"	148	Sondertyp „Schwing“ - Maße auf Anfrage			85bar
-	152,4 mm	152,4	15,1-16,7	8,0-9,5	147,5-148,1	-
-	159 mm	159	15,1-16,7	8,0-9,5	152,5-153,2	-
-	165,1 mm	165,1	15,1-16,7	8,0-9,5	160,2-160,8	-
-	165,1-50	165,1	SonderSize mit Nutdurchmesser 158mm			-
-	6"	168,3	15,1-16,7	8,0-9,5	163,4-164,0	85bar



Spare seals, fitting on any clamp type, Victaulic system

Victa-Uni couplings offer an easily assembled solution for very many applications due to their high pressure resistance and the large variety of types. The connection comprises two similar grooved pipe ends that can be connected with different types of clamps. This flexible clamp type permits flexible compensation of slight pipe alignment or length tolerances (detail information is available on request). The seal is pushed over the pipe grooves from the outside and clamped with the outer clamp. Depending on seal selection, these couplings are suitable for water, mineral oils, and similar non-hazardous liquids. Find spare seals universally fitting any rigid, flexible, and quick-tensioning clamps below.

- **Operating Pressure:** according to the operating pressure of the clamp type used (see Victaulic clamps)
- **Sizes:** 3/4" to 12"
- **Standardisation:** according to factory standard (do not use for potable water)
- **Material Seals:** EPDM hot-water resilient up to 120 °C as well as NBR oil resilient up to 80 °C
- **Important:** This type is available on request with VDS approval for fire extinguishing hydrant lines and with approval for sprinkler pipes - these parts are then approved up to 16 bar BD each.
-



Article Number	Parameter	Victaulic-Identity Measuree			
		front Ø Nenn-AD (mm)	Distance „A“ (mm) min/max	Groove width „B“ (mm) min/max	Maß „C“ Nut AØ (mm) min/max
-	3/4"	26,9	15,1-16,7	6,4-7,9	23,4-23,8
-	1"	33,7	15,1-16,7	6,4-7,9	29,9-30,2
-	1 1/4"	42,4	15,1-16,7	6,4-7,9	38,5-39,0
-	1 1/2"	48,3	15,1-16,7	6,4-7,9	44,7-45,1
-	57 mm	57	15,1-16,7	8,0-9,5	53,4-53,8
-	2"	60,3	15,1-16,7	8,0-9,5	56,8-57,2
-	2 1/2"	73	15,1-16,7	8,0-9,5	68,6-69,1
-	76,1 mm	76,1	15,1-16,7	8,0-9,5	71,8-72,3
-	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9
-	3 1/2"	101,6	15,1-16,7	8,0-9,5	96,9-97,4
-	108 mm	108	15,1-16,7	8,0-9,5	103,2-103,7
-	4"	114,3	15,1-16,7	8,0-9,5	109,6-110,1
-	4"-50	114,3	SonderSize mit Nutdurchmesser 107 mm		
-	4 1/2"	127	15,1-16,7	8,0-9,5	122,3-122,8
-	133 mm	133	15,1-16,7	8,0-9,5	128,6-129,1
-	139,7 mm	139,7	15,1-16,7	8,0-9,5	135,0-135,5
-	5"	141,3	15,1-16,7	8,0-9,5	136,5-137,0
-	152,4 mm	152,4	15,1-16,7	8,0-9,5	147,5-148,1
-	159 mm	159	15,1-16,7	8,0-9,5	152,5-153,2
-	165,1 mm	165,1	15,1-16,7	8,0-9,5	160,2-160,8
-	165,1-50	165,1	SonderSize mit Nutdurchmesser 158 mm		
-	6"	168,3	15,1-16,7	8,0-9,5	163,4-164,0
-	203,2 mm	203,2	18,3-19,8	11,1-12,7	211,0-211,6
-	216,3 mm	216,3	18,3-19,8	11,1-12,7	213,8-214,4
-	8"	219,1	18,3-19,8	11,1-12,7	248,5-249,2
-	254 mm	254	18,3-19,8	11,1-12,7	262,0-262,2
-	267,7 mm	267,7	18,3-19,8	11,1-12,7	267,6-268,3
-	10"	273	18,3-19,8	11,1-12,7	298,5-288,2
-	304,8 mm	304,8	18,3-19,8	11,1-12,7	312,2-313,0
-	318,5 mm	318,5	18,3-19,8	11,1-12,7	317,5-318,3
-	12"	323,9	18,3-19,8	11,1-12,7	349,3-350,0

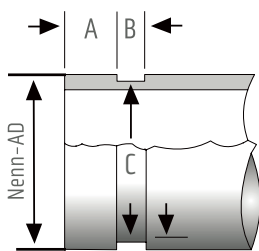


Coupling, Victaulic system with inner thread

These universal couplings offer an easily assembled solution for very many applications due to their high pressure resistance and the large variety of types. The connection comprises two similar grooved pipe ends that can be connected with different types of clamps. This flexible clamp type permits flexible compensation of slight pipe alignment or length tolerances (detail information is available on request). The seal is pushed over the pipe grooves from the outside and clamped with the outer clamp. Depending on seal selection, these couplings are suitable for water, mineral oils, and similar non-hazardous liquids.

- **Operating Pressure:** from 27 bar to 34 bar; for details, see the lower table (each at 20 °C, observe temperature - pressure reductions)
- **Sizes:** 2 1/2" to 6"
- **Standardisation:** according to factory standard (do not use for potable water)
- **Material body:** Standard steel, galvanised
- **Seals:** please order separately - EPDM hot-water resilient up to 120 °C or NBR oil resilient up to 80 °C

Article Number	InnenThread zöllig	Parameter	Victaulic-Identity Measuree				max. Operating Pressure
			front Ø Nenn-AD (mm)	Distance „A“ (mm) min/max	Groove width „B“ (mm) min/max	Maß „C“ Nut AØ (mm) min/max	
-	IG 1 1/2"	1/2"	48,3	15,1-16,7	6,4-7,9	44,7-45,1	34bar
-	-	-	57	15,1-16,7	8,0-9,5	53,4-53,8	34bar
-	IG 2"	2"	60,3	15,1-16,7	8,0-9,5	56,8-57,2	34bar
-		76,1 mm	76,1	15,1-16,7	8,0-9,5	71,8-72,3	34bar
-	-	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9	34bar
-	-	-	73	15,1-16,7	8,0-9,5	68,6-69,1	34bar
-	IG 1 1/2"	76,1 mm	76,1	15,1-16,7	8,0-9,5	71,8-72,3	34bar
-		3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9	34bar
-	IG 3"	4"	114,3	15,1-16,7	8,0-9,5	109,6-110,1	34bar
-		3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9	34bar
-	-	-	101,6	15,1-16,7	8,0-9,5	96,9-97,4	34bar
-	-	-	108	15,1-16,7	8,0-9,5	103,2-103,7	aA
-	IG 4"	4"	114,3	15,1-16,7	8,0-9,5	109,6-110,1	27bar
-	IG 6"	6"	168,3	15,1-16,7	8,0-9,5	163,4-164,0	27bar



Coupling, Victaulic system with outer thread

These universal couplings offer an easily assembled solution for very many applications due to their high pressure resistance and the large variety of types. The connection comprises two similar grooved pipe ends that can be connected with different types of clamps. This flexible clamp type permits flexible compensation of slight pipe alignment or length tolerances (detail information is available on request). The seal is pushed over the pipe grooves from the outside and clamped with the outer clamp. Depending on seal selection, these couplings are suitable for water, mineral oils, and similar non-hazardous liquids.

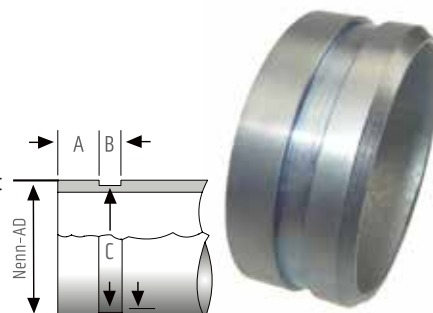
- **Operating Pressure:** from 27 bar to 34 bar; for details, see the lower table (each at 20 °C, observe temperature - pressure reductions)
- **Sizes:** AG 1" to AG 6"
- **Standardisation:** according to factory standard (do not use for potable water)
- **Material body:** Standard steel, galvanised
- **Seals:** please order separately - EPDM hot-water resilient up to 120 °C or NBR oil resilient up to 80 °C

Article Number	Außen Thread zöllig	Parameter	Victaulic-Identity Measuree				max. Operating Pressure
			front Ø Nenn-AD (mm)	Distance „A“ (mm) min/max	Groove width „B“ (mm) min/max	Maß „C“ Nut AØ (mm) min/max	
-	AG 1"	1/2"	33,7	15,1-16,7	6,4-7,9	29,9-30,2	34bar
-	-	-	42,4	15,1-16,7	6,4-7,9	38,5-39,0	34bar
-	AG 1 1/2"	2"	48,3	15,1-16,7	6,4-7,9	44,7-45,1	34bar
-	-	76,1 mm	60,3	15,1-16,7	8,0-9,5	56,8-57,2	34bar
-	-	3"	57	15,1-16,7	8,0-9,5	53,4-53,8	-
-	AG 2"	-	60,3	15,1-16,7	8,0-9,5	56,8-57,2	34bar
-	-	76,1 mm	88,9	15,1-16,7	8,0-9,5	84,5-84,9	34bar
-	-	3"	114,3	15,1-16,7	8,0-9,5	109,6-110,1	34bar
-	-	4"	73	15,1-16,7	8,0-9,5	68,6-69,1	-
-	AG 2 1/2"	3"	76,1	15,1-16,7	8,0-9,5	71,8-72,3	34bar
-	-	4"	88,9	15,1-16,7	8,0-9,5	84,5-84,9	34bar
-	-	-	114,3	15,1-16,7	8,0-9,5	109,6-110,1	34bar
-	AG 3"	-	88,9	15,1-16,7	8,0-9,5	84,5-84,9	34bar
-	-	4"	114,3	15,1-16,7	8,0-9,5	109,6-110,1	34bar
-	-	6"	101,6	15,1-16,7	8,0-9,5	96,9-97,4	-
-	-	-	108	15,1-16,7	8,0-9,5	103,2-103,7	-
-	AG 4"	-	114,3	15,1-16,7	8,0-9,5	109,6-110,1	34bar
-	AG 6"	-	168,3	15,1-16,7	8,0-9,5	163,4-164,0	27bar

Coupling, Victaulic system with weld-on end

These universal couplings offer an easily assembled solution for very many applications due to their high pressure resistance and the large variety of types. The connection comprises two similar grooved pipe ends that can be connected with different types of clamps. Small pipe alignment and/or length tolerances can be flexibly compensated, or the connection can be mounted absolutely rigidly and inflexibly depending on clamp type. The seal is pushed over the pipe grooves from the outside and clamped with the outer clamp. Depending on seal selection, these couplings are suitable for water, mineral oils, and similar non-hazardous liquids.

- **Operating Pressure:** from 27 bar to 34 bar; for details, see the lower table [each at 20 °C, observe temperature - pressure reductions]
- **Sizes:** 3/4" to 12"
- **Standardisation:** according to factory standard (do not use for potable water)
- **Material body:** Standard steel, blank
- **Seals:** please order separately - EPDM hot-water resilient up to 120 °C or NBR oil resilient up to 80 °C
- **Additional information:** with coupling, system Victaulic clamp rigid or flexible, as well as mountable with quick-tensioning clamp



Article Number	Rohr-Anschweiß- AØ in mm	Parameter	Victaulic-Identity Measuree				max. Operating Pressure
			front Ø Nenn-AD (mm)	Distance „A“ (mm) min/max	Groove width „B“ (mm) min/max	Maß „C“ Nut AØ (mm) min/max	
-	26,9	3/4"	26,9	15,1-16,7	6,4-7,9	23,4-23,8	34bar
-	33,7	1"	33,7	15,1-16,7	6,4-7,9	29,9-30,2	34bar
-	42,4	1 1/4"	42,4	15,1-16,7	6,4-7,9	38,5-39,0	34bar
-	48,3	1 1/2"	48,3	15,1-16,7	6,4-7,9	44,7-45,1	34bar
-	57	57 mm	57	15,1-16,7	8,0-9,5	53,4-53,8	34bar
-	60,3	2"	60,3	15,1-16,7	8,0-9,5	56,8-57,2	34bar
-	73	2 1/2"	73	15,1-16,7	8,0-9,5	68,6-69,1	34bar
-	76,1	76,1 mm	76,1	15,1-16,7	8,0-9,5	71,8-72,3	34bar
-	88,9	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9	34bar
-	101,6	3 1/2"	101,6	15,1-16,7	8,0-9,5	96,9-97,4	34bar
-	108	108 mm	108	15,1-16,7	8,0-9,5	103,2-103,7	34bar
-	114,3	4"	114,3	15,1-16,7	8,0-9,5	109,6-110,1	34bar
-	114,3	4"-50	114,3	SonderSize mit Nutdurchmesser 107mm			aA
-	127	4 1/2"	127	15,1-16,7	8,0-9,5	122,3-122,8	27bar
-	133	133 mm	133	15,1-16,7	8,0-9,5	128,6-129,1	27bar
-	139,7	139,7 mm	139,7	15,1-16,7	8,0-9,5	135,0-135,5	27bar
-	141,3	5"	141,3	15,1-16,7	8,0-9,5	136,5-137,0	27bar
-	152,4	152,4 mm	152,4	15,1-16,7	8,0-9,5	147,5-148,1	27bar
-	159	159 mm	159	15,1-16,7	8,0-9,5	152,5-153,2	27bar
-	165,1	165,1 mm	165,1	15,1-16,7	8,0-9,5	160,2-160,8	27bar
-	165,1	165,1-50	165,1	SonderSize mit Nutdurchmesser 158mm			aA
-	168,3	6"	168,3	15,1-16,7	8,0-9,5	163,4-164,0	27bar
-	203,2	203,2 mm	203,2	18,3-19,8	11,1-12,7	211,0-211,6	20bar
-	216,3	216,3 mm	216,3	18,3-19,8	11,1-12,7	213,8-214,4	20bar
-	219,1	8"	219,1	18,3-19,8	11,1-12,7	248,5-249,2	20bar
-	254	254 mm	254	18,3-19,8	11,1-12,7	262,0-262,6	20bar
-	267,7	267,7 mm	267,7	18,3-19,8	11,1-12,7	267,6-268,3	20bar
-	273	10"	273	18,3-19,8	11,1-12,7	298,5-299,2	20bar
-	304,8	304,8 mm	304,8	18,3-19,8	11,1-12,7	312,2-313,0	20bar
-	318,5	318,5 mm	318,5	18,3-19,8	11,1-12,7	317,5-318,3	20bar
-	323,9	12"	323,9	18,3-19,8	11,1-12,7	349,3-350,0	20bar

* These sizes require minimum quantities and are produced order-specifically.

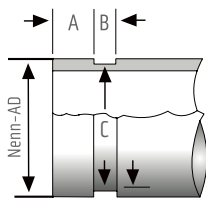
** Always under consideration of the application parameters, also see introduction text.

Coupling bend 11.25°, Victaulic system

These universal couplings offer an easily assembled solution for very many applications due to their high pressure resistance and the large variety of types. The connection comprises two similar grooved pipe ends that can be connected with flexible (as tolerance compensation) or rigid clamps. Depending on seal, these couplings are suitable for water, mineral oils & similar non-hazardous liquids.

- **Operating Pressure:** from 27 bar to 34 bar; for details, see the lower table (each at 20 °C, observe temperature - pressure reductions)
- **Sizes:** 1 1/4" to 8"
- **Standardisation:** according to factory standard (do not use for potable water)
- **Material body:** ductile cast iron, galvanised or coated red
- **Seals:** please order separately - EPDM hot-water resilient up to 120 °C or NBR oil resilient up to 80 °C
- **Important:** Available with VDS approval for fire extinguisher hydrant lines & sprinkler lines (up to 16 bar) upon request

Article Number	Parameter	Victaulic-Identity Measuree				max. Operating Pressure
		front Ø Nenn-AD (mm)	Distance „A“ (mm) min/max	Groove width „B“ (mm) min/max	Maß „C“ Nut AØ (mm) min/max	
-	1 1/4"	42,4	15,1-16,7	6,4-7,9	38,5-39,0	34bar
-	1 1/2"	48,3	15,1-16,7	6,4-7,9	44,7-45,1	34bar
-	57 mm	57	15,1-16,7	8,0-9,5	53,4-53,8	34bar
-	2"	60,3	15,1-16,7	8,0-9,5	56,8-57,2	34bar
-	2 1/2"	73	15,1-16,7	8,0-9,5	68,6-69,1	34bar
-	76,1 mm	76,1	15,1-16,7	8,0-9,5	71,8-72,3	34bar
-	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9	34bar
-	3 1/2"	101,6	15,1-16,7	8,0-9,5	96,9-97,4	34bar
-	108 mm	108	15,1-16,7	8,0-9,5	103,2-103,7	34bar
-	4"	114,3	15,1-16,7	8,0-9,5	109,6-110,1	34bar
-	4 1/2"	127	15,1-16,7	8,0-9,5	122,3-122,8	27bar
-	133 mm	133	15,1-16,7	8,0-9,5	128,6-129,1	27bar
-	139,7 mm	139,7	15,1-16,7	8,0-9,5	135,0-135,5	27bar
-	5"	141,3	15,1-16,7	8,0-9,5	136,5-137,0	27bar
-	152,4 mm	152,4	15,1-16,7	8,0-9,5	147,5-148,1	27bar
-	159 mm	159	15,1-16,7	8,0-9,5	152,5-153,2	27bar
-	165,1 mm	165,1	15,1-16,7	8,0-9,5	160,2-160,8	27bar
-	6"	168,3	15,1-16,7	8,0-9,5	163,4-164,0	27bar
-	216,3 mm	216,3	18,3-19,8	11,1-12,7	213,8-214,4	20bar
-	8"	219,1	18,3-19,8	11,1-12,7	248,5-249,2	20bar



Coupling bend 22.5°, Victaulic system

These universal couplings offer an easily assembled solution for very many applications due to their high pressure resistance and the large variety of types. The connection comprises two similar grooved pipe ends that can be connected with flexible (as tolerance compensation) or rigid clamps. Depending on seal, these couplings are suitable for water, mineral oils & similar non-hazardous liquids.

- **Operating Pressure:** from 27 bar to 34 bar; for details, see the lower table (each at 20 °C, observe temperature - pressure reductions)
- **Sizes:** 1 1/4" to 8"
- **Standardisation:** according to factory standard (do not use for potable water)
- **Material body:** ductile cast iron, galvanised or coated red
- **Seals:** please order separately - EPDM hot-water resilient up to 120 °C or NBR oil resilient up to 80 °C
- **Important:** Available with VDS approval for fire extinguisher hydrant lines & sprinkler lines (up to 16 bar) upon request

Article Number	Parameter	Victaulic-Identity Measuree				max. Operating Pressure
		front Ø Nenn-AD (mm)	Distance „A“ (mm) min/max	Groove width „B“ (mm) min/max	Maß „C“ Nut AØ (mm) min/max	
-	1 1/4"	42,4	15,1-16,7	6,4-7,9	38,5-39,0	34bar
-	1 1/2"	48,3	15,1-16,7	6,4-7,9	44,7-45,1	34bar
-	57 mm	57	15,1-16,7	8,0-9,5	53,4-53,8	34bar
-	2"	60,3	15,1-16,7	8,0-9,5	56,8-57,2	34bar
-	2 1/2"	73	15,1-16,7	8,0-9,5	68,6-69,1	34bar
-	76,1 mm	76,1	15,1-16,7	8,0-9,5	71,8-72,3	34bar
-	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9	34bar
-	3 1/2"	101,6	15,1-16,7	8,0-9,5	96,9-97,4	34bar
-	108 mm	108	15,1-16,7	8,0-9,5	103,2-103,7	34bar
-	4"	114,3	15,1-16,7	8,0-9,5	109,6-110,1	34bar
-	4 1/2"	127	15,1-16,7	8,0-9,5	122,3-122,8	27bar
-	133 mm	133	15,1-16,7	8,0-9,5	128,6-129,1	27bar
-	139,7 mm	139,7	15,1-16,7	8,0-9,5	135,0-135,5	27bar
-	5"	141,3	15,1-16,7	8,0-9,5	136,5-137,0	27bar
-	152,4 mm	152,4	15,1-16,7	8,0-9,5	147,5-148,1	27bar
-	159 mm	159	15,1-16,7	8,0-9,5	152,5-153,2	27bar
-	165,1 mm	165,1	15,1-16,7	8,0-9,5	160,2-160,8	27bar
-	6"	168,3	15,1-16,7	8,0-9,5	163,4-164,0	27bar
-	216,3 mm	216,3	18,3-19,8	11,1-12,7	213,8-214,4	20bar
-	8"	219,1	18,3-19,8	11,1-12,7	248,5-249,2	20bar

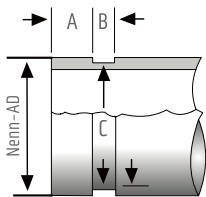


Coupling bend 45°, Victaulic system

These universal couplings offer an easily assembled solution for very many applications due to their high pressure resistance and the large variety of types. The connection comprises two similar grooved pipe ends that can be connected with flexible (as tolerance compensation) or rigid clamps. Depending on seal, these couplings are suitable for water, mineral oils & similar non-hazardous liquids.

- **Operating Pressure:** from 27 bar to 34 bar; for details, see the lower table (each at 20 °C, observe temperature - pressure reductions)
- **Sizes:** 1 1/4" to 8"
- **Standardisation:** according to factory standard (do not use for potable water)
- **Material body:** ductile cast iron, galvanised or coated red
- **Seals:** please order separately - EPDM hot-water resilient up to 120 °C or NBR oil resilient up to 80 °C
- **Important:** Available with VDS approval for fire extinguisher hydrant lines & sprinkler lines (up to 16 bar) upon request

Article Number	Parameter	Victaulic-Identity Measuree				max. Operating Pressure
		front Ø Nenn-AD (mm)	Distance „A“ (mm) min/max	Groove width „B“ (mm) min/max	Maß „C“ Nut AØ (mm) min/max	
-	1 1/4"	42,4	15,1-16,7	6,4-7,9	38,5-39,0	34bar
-	1 1/2"	48,3	15,1-16,7	6,4-7,9	44,7-45,1	34bar
-	57 mm	57	15,1-16,7	8,0-9,5	53,4-53,8	34bar
-	2"	60,3	15,1-16,7	8,0-9,5	56,8-57,2	34bar
-	2 1/2"	73	15,1-16,7	8,0-9,5	68,6-69,1	34bar
-	76,1 mm	76,1	15,1-16,7	8,0-9,5	71,8-72,3	34bar
-	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9	34bar
-	3 1/2"	101,6	15,1-16,7	8,0-9,5	96,9-97,4	34bar
-	108 mm	108	15,1-16,7	8,0-9,5	103,2-103,7	34bar
-	4"	114,3	15,1-16,7	8,0-9,5	109,6-110,1	34bar
-	4 1/2"	127	15,1-16,7	8,0-9,5	122,3-122,8	27bar
-	133 mm	133	15,1-16,7	8,0-9,5	128,6-129,1	27bar
-	139,7 mm	139,7	15,1-16,7	8,0-9,5	135,0-135,5	27bar
-	5"	141,3	15,1-16,7	8,0-9,5	136,5-137,0	27bar
-	152,4 mm	152,4	15,1-16,7	8,0-9,5	147,5-148,1	27bar
-	159 mm	159	15,1-16,7	8,0-9,5	152,5-153,2	27bar
-	165,1 mm	165,1	15,1-16,7	8,0-9,5	160,2-160,8	27bar
-	6"	168,3	15,1-16,7	8,0-9,5	163,4-164,0	27bar
-	216,3 mm	216,3	18,3-19,8	11,1-12,7	213,8-214,4	20bar
-	8"	219,1	18,3-19,8	11,1-12,7	248,5-249,2	20bar



Coupling bend 90°, Victaulic system

These universal couplings offer an easily assembled solution for very many applications due to their high pressure resistance and the large variety of types. The connection comprises two similar grooved pipe ends that can be connected with flexible (as tolerance compensation) or rigid clamps. Depending on seal, these couplings are suitable for water, mineral oils & similar non-hazardous liquids.

- **Operating Pressure:** from 27 bar to 34 bar; for details, see the lower table (each at 20 °C, observe temperature - pressure reductions)
- **Sizes:** 1 1/4" to 8"
- **Standardisation:** according to factory standard (do not use for potable water)
- **Material body:** ductile cast iron, galvanised or coated red
- **Seals:** please order separately - EPDM hot-water resilient up to 120 °C or NBR oil resilient up to 80 °C
- **Important:** Available with VDS approval for fire extinguisher hydrant lines & sprinkler lines (up to 16 bar) upon request

Article Number	Parameter	Victaulic-Identity Measuree				max. Operating Pressure
		front Ø Nenn-AD (mm)	Distance „A“ (mm) min/max	Groove width „B“ (mm) min/max	Maß „C“ Nut AØ (mm) min/max	
-	1 1/4"	42,4	15,1-16,7	6,4-7,9	38,5-39,0	34bar
-	1 1/2"	48,3	15,1-16,7	6,4-7,9	44,7-45,1	34bar
-	57 mm	57	15,1-16,7	8,0-9,5	53,4-53,8	34bar
-	2"	60,3	15,1-16,7	8,0-9,5	56,8-57,2	34bar
-	2 1/2"	73	15,1-16,7	8,0-9,5	68,6-69,1	34bar
-	76,1 mm	76,1	15,1-16,7	8,0-9,5	71,8-72,3	34bar
-	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9	34bar
-	3 1/2"	101,6	15,1-16,7	8,0-9,5	96,9-97,4	34bar
-	108 mm	108	15,1-16,7	8,0-9,5	103,2-103,7	34bar
-	4"	114,3	15,1-16,7	8,0-9,5	109,6-110,1	34bar
-	4 1/2"	127	15,1-16,7	8,0-9,5	122,3-122,8	27bar
-	133 mm	133	15,1-16,7	8,0-9,5	128,6-129,1	27bar
-	139,7 mm	139,7	15,1-16,7	8,0-9,5	135,0-135,5	27bar
-	5"	141,3	15,1-16,7	8,0-9,5	136,5-137,0	27bar
-	152,4 mm	152,4	15,1-16,7	8,0-9,5	147,5-148,1	27bar
-	159 mm	159	15,1-16,7	8,0-9,5	152,5-153,2	27bar
-	165,1 mm	165,1	15,1-16,7	8,0-9,5	160,2-160,8	27bar
-	6"	168,3	15,1-16,7	8,0-9,5	163,4-164,0	27bar
-	216,3 mm	216,3	18,3-19,8	11,1-12,7	213,8-214,4	20bar
-	8"	219,1	18,3-19,8	11,1-12,7	248,5-249,2	20bar



Tee standard, Victaulic system

These universal couplings offer an easily assembled solution for very many applications due to their high pressure resistance and the large variety of types. The connection comprises two similar grooved pipe ends that can be connected with flexible (as tolerance compensation) or rigid clamps. Depending on seal, these couplings are suitable for water, mineral oils & similar non-hazardous liquids.

- **Operating Pressure:** from 20 bar to 34 bar; for details, see the lower table (each at 20 °C, observe temperature - pressure reductions)
- **Sizes:** 1 1/4" to 8"
- **Standardisation:** according to factory standard (do not use for potable water)
- **Material body:** ductile cast iron, galvanised or coated red
- **Seals:** please order separately - EPDM hot-water resilient up to 120 °C or NBR oil resilient up to 80 °C
- **Important:** Available with VDS approval for fire extinguisher hydrant lines & sprinkler lines (up to 16 bar) upon request

Article Number	Parameter	Victaulic-Identity Measuree				max. Operating Pressure
		front Ø Nenn-AD (mm)	Distance „A“ (mm) min/max	Groove width „B“ (mm) min/max	Maß „C“ Nut AØ (mm) min/max	
-	1 1/4"	42,4	15,1-16,7	6,4-7,9	38,5-39,0	34bar
-	1 1/2"	48,3	15,1-16,7	6,4-7,9	44,7-45,1	34bar
-	57 mm	57	15,1-16,7	8,0-9,5	53,4-53,8	34bar
-	2"	60,3	15,1-16,7	8,0-9,5	56,8-57,2	34bar
-	2 1/2"	73	15,1-16,7	8,0-9,5	68,6-69,1	34bar
-	76,1 mm	76,1	15,1-16,7	8,0-9,5	71,8-72,3	34bar
-	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9	34bar
-	3 1/2"	101,6	15,1-16,7	8,0-9,5	96,9-97,4	34bar
-	108 mm	108	15,1-16,7	8,0-9,5	103,2-103,7	34bar
-	4"	114,3	15,1-16,7	8,0-9,5	109,6-110,1	34bar
-	4 1/2"	127	15,1-16,7	8,0-9,5	122,3-122,8	27bar
-	133 mm	133	15,1-16,7	8,0-9,5	128,6-129,1	27bar
-	139,7 mm	139,7	15,1-16,7	8,0-9,5	135,0-135,5	27bar
-	5"	141,3	15,1-16,7	8,0-9,5	136,5-137,0	27bar
-	152,4 mm	152,4	15,1-16,7	8,0-9,5	147,5-148,1	27bar
-	159 mm	159	15,1-16,7	8,0-9,5	152,5-153,2	27bar
-	165,1 mm	165,1	15,1-16,7	8,0-9,5	160,2-160,8	27bar
-	6"	168,3	15,1-16,7	8,0-9,5	163,4-164,0	27bar
-	216,3 mm	216,3	18,3-19,8	11,1-12,7	213,8-214,4	20bar
-	8"	219,1	18,3-19,8	11,1-12,7	248,5-249,2	20bar



Tee lateral outlet reduced, Victaulic system

These universal couplings offer an easily assembled solution for very many applications due to their high pressure resistance and the large variety of types. The connection comprises two similar grooved pipe ends that can be connected with flexible (as tolerance compensation) or rigid clamps. Depending on seal, these couplings are suitable for water, mineral oils & similar non-hazardous liquids.

- **Operatind Pressure:** from 20 bar to 34 bar; for details, see the lower table (each at 20 °C, observe temperature – pressure reductions)
- **Sizes:** 3" bis 8"
- **Standardisation:** according to factory standard (do not use for potable water)
- **Material body:** ductile cast iron, galvanised or coated red
- **Seals:** please order separately – EPDM hot-water resilient up to 120 °C or NBR oil resilient up to 80 °C
- **Important:** Available with VDS approval for fire extinguisher hydrant lines & sprinkler lines (up to 16 bar) upon request

Article Number	A) Durchgang B) seitlich		Victaulic-Identity Measuree				max. Operatind Pressure
			front Ø Nenn-AD (mm)	Distance „A“ (mm) min/max	Groove width „B“ (mm) min/max	Maß „C“ Nut AØ (mm) min/max	
-	A)	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9	34bar
-	B)	2"	60,3	15,1-16,7	8,0-9,5	56,8-57,2	
-	A)	4"	114,3	15,1-16,7	8,0-9,5	109,6-110,1	34bar
-	B)	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9	
-	A)	6"	168,3	15,1-16,7	8,0-9,5	163,4-164,0	27bar
-	B)	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9	
-	A)	6"	168,3	15,1-16,7	8,0-9,5	163,4-164,0	27bar
-	B)	4"	114,3	15,1-16,7	8,0-9,5	109,6-110,1	
-	A)	6"	168,3	15,1-16,7	8,0-9,5	163,4-164,0	27bar
-	B)	139,7 mm	139,7	15,1-16,7	8,0-9,5	135,0-135,5	



Coupling reduction pieces, Victaulic system

These universal couplings offer an easily assembled solution for very many applications due to their high pressure resistance and the large variety of types. The connection comprises two similar grooved pipe ends that can be connected with flexible (as tolerance compensation) or rigid clamps. Depending on seal, these couplings are suitable for water, mineral oils & similar non-hazardous liquids.

- **max. Operatind Pressure:** 1 1/2": 34 bar 133 to 6": 27 bar 8" to 12": 20 bar
- **Sizes:** 1 1/2" to 12"
- **Standardisation:** according to factory standard (do not use for potable water)
- **Material body:** ductile cast iron, galvanised or coated red
- **Seals:** please order separately - EPDM hot-water resilient up to 120 °C or NBR oil resilient up to 80 °C
- **Important:** Available with VDS approval for fire extinguisher hydrant lines & sprinkler lines (up to 16 bar) upon request



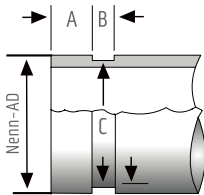
Article Number	Seite 1) KennSize & front Nenn-AD (mm)	Seite 1) Identity Measuree		Seite 1) KennSize & front Nenn-AD (mm)	Seite 2) Identity Measuree	
		Distance „A“ (mm) min/max	Groove width „B“ (mm) min/max		Distance „A“ (mm) min/max	Groove width „B“ (mm) min/max
-	1 1/2"-48,3	15,1-16,7	6,4-7,9	1"-33,7	15,1-16,7	6,4-7,9
-	2"-60,3	15,1-16,7	8,0-9,5	1 1/4"-42,4	15,1-16,7	6,4-7,9
-	2 1/2"-73	15,1-16,7	8,0-9,5	1"-33,7	15,1-16,7	6,4-7,9
-	76,1 mm	15,1-16,7	8,0-9,5	1 1/4"-42,4	15,1-16,7	6,4-7,9
-	3"-88,9	15,1-16,7	8,0-9,5	1 1/2"-48,3	15,1-16,7	6,4-7,9
-	108 mm	15,1-16,7	8,0-9,5	2"-60,3	15,1-16,7	8,0-9,5
-	133 mm	15,1-16,7	8,0-9,5	1 1/2"-48,3	15,1-16,7	6,4-7,9
-	139,7 mm	15,1-16,7	8,0-9,5	2"-60,3	15,1-16,7	8,0-9,5
-	159 mm	15,1-16,7	8,0-9,5	2 1/2"-73	15,1-16,7	8,0-9,5
-	165,1 mm	15,1-16,7	8,0-9,5	76,1 mm	15,1-16,7	8,0-9,5
-	6"-168,3	15,1-16,7	8,0-9,5	2"-60,3	15,1-16,7	8,0-9,5
-	8"-219,1	18,3-19,8	11,1-12,7	3"-88,9	15,1-16,7	8,0-9,5
-	10"-273	18,3-19,8	11,1-12,7	1 1/2"-48,3	15,1-16,7	6,4-7,9
-	12"-323,9	18,3-19,8	11,1-12,7	2"-60,3	15,1-16,7	8,0-9,5
-				3"-88,9	15,1-16,7	8,0-9,5
-				4"-114,3	15,1-16,7	8,0-9,5
-				139,7 mm	15,1-16,7	8,0-9,5
-				3"-88,9	15,1-16,7	8,0-9,5
-				4"-114,3	15,1-16,7	8,0-9,5
-				139,7 mm	15,1-16,7	8,0-9,5
-				4"-114,3	15,1-16,7	8,0-9,5
-				165,1 mm	15,1-16,7	8,0-9,5
-				6"-168,3	15,1-16,7	8,0-9,5
-				4"-114,3	15,1-16,7	8,0-9,5
-				165,1 mm	15,1-16,7	8,0-9,5
-				6"-168,3	15,1-16,7	8,0-9,5
-				8"-219,1	18,3-19,8	11,1-12,7
-				10"-273	18,3-19,8	11,1-12,7

Transition piece to DIN-flange, Victaulic system

These universal couplings offer an easily assembled solution for very many applications due to their high pressure resistance and the large variety of types. The connection comprises two similar grooved pipe ends that can be connected with flexible (as tolerance compensation) or rigid clamps. Depending on seal, these couplings are suitable for water, mineral oils & similar non-hazardous liquids.

- **Operating Pressure:** see low table - limited by DIN flange (each at 20 °C, temperature - observe pressure reductions)
- **Sizes:** DN 50 to DN200
- **Standardisation:** according to factory standard (do not use for potable water)
- **Material body:** ductile cast iron, galvanised or coated red
- **Seals:** please order separately - EPDM hot-water resilient up to 120 °C or NBR oil resilient up to 80 °C
- **Important:** Available with VDS approval for fire extinguisher hydrant lines & sprinkler lines (up to 16 bar) upon request

Article Number	DIN-Flange	Victaulic-Identity Measuree				max. Operating Pressure
		front Ø Nenn-AD (mm)	Distance „A“ (mm) min/max	Groove width „B“ (mm) min/max	Maß „C“ Nut AØ (mm) min/max	
-	-	42,4	15,1-16,7	6,4-7,9	38,5-39,0	34bar
-	-	48,3	15,1-16,7	6,4-7,9	44,7-45,1	34bar
-	-	57	15,1-16,7	8,0-9,5	53,4-53,8	34bar
-	DN 50 PN10/16	60,3	15,1-16,7	8,0-9,5	56,8-57,2	34bar
-	-	73	15,1-16,7	8,0-9,5	68,6-69,1	34bar
-	DN 65 PN10/16	76,1	15,1-16,7	8,0-9,5	71,8-72,3	34bar
-	DN 80 PN10/16	88,9	15,1-16,7	8,0-9,5	84,5-84,9	34bar
-	-	101,6	15,1-16,7	8,0-9,5	96,9-97,4	34bar
-	-	108	15,1-16,7	8,0-9,5	103,2-103,7	34bar
-	DN 100 PN10/16	114,3	15,1-16,7	8,0-9,5	109,6-110,1	34bar
-	-	127	15,1-16,7	8,0-9,5	122,3-122,8	27bar
-	-	133	15,1-16,7	8,0-9,5	128,6-129,1	27bar
-	DN 125 PN10/16	139,7	15,1-16,7	8,0-9,5	135,0-135,5	27bar
-	-	141,3	15,1-16,7	8,0-9,5	136,5-137,0	27bar
-	-	152,4	15,1-16,7	8,0-9,5	147,5-148,1	27bar
-	-	159	15,1-16,7	8,0-9,5	152,5-153,2	27bar
-	DN 150 PN10/16	165,1	15,1-16,7	8,0-9,5	160,2-160,8	27bar
-	-	168,3	15,1-16,7	8,0-9,5	163,4-164,0	27bar
-	-	216,3	18,3-19,8	11,1-12,7	213,8-214,4	20bar
-	DN 200 PN10/16	219,1	18,3-19,8	11,1-12,7	248,5-249,2	20bar





Cross pieces, Victaulic system

These universal couplings offer an easily assembled solution for very many applications due to their high pressure resistance and the large variety of types. The connection comprises two similar grooved pipe ends that can be connected with flexible (as tolerance compensation) or rigid clamps. Depending on seal, these couplings are suitable for water, mineral oils & similar non-hazardous liquids.

- **Operatind Pressure:** from 27 bar to 34 bar; for details, see the lower table (each at 20 °C, observe temperature - pressure reductions)
- **Sizes:** 3", 4", 5"
- **Standardisation:** according to factory standard (do not use for potable water)
- **Material body:** ductile cast iron, galvanised or coated red
- **Seals:** please order separately - EPDM hot-water resilient up to 120 °C or NBR oil resilient up to 80 °C

Article Number	KennSize	Victaulic-Identity Measuree				max. Operatind Pressure**
		front Ø Nenn-AD (mm)	Distance „A“ (mm) min/max	Groove width „B“ (mm) min/max	Maß „C“ Nut AØ (mm) min/max	
-	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,6	34bar
-	4"	114,3	15,1-16,7	8,0-9,5	109,6-110,1	34bar
-	5"	168,3	15,1-16,7	8,0-9,5	163,4-164,0	27bar



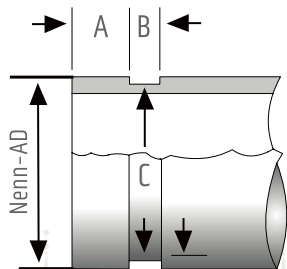
Closure cap, Victaulic system

These universal couplings offer an easily assembled solution for very many applications due to their high pressure resistance and the large variety of types. The connection comprises two similar grooved pipe ends that can be connected with flexible (as tolerance compensation) or rigid clamps. Depending on seal, these couplings are suitable for water, mineral oils & similar non-hazardous liquids.

- **Operating Pressure:** see low table - limited by DIN flange (each at 20 °C, temperature - observe pressure reductions)
- **Sizes:** 1 1/4" to 8"
- **Standardisation:** according to factory standard (do not use for potable water)
- **Material body:** ductile cast iron, galvanised or coated red
- **Seals:** please order separately - EPDM hot-water resilient up to 120 °C or NBR oil resilient up to 80 °C
- **Important:** Available with VDS approval for fire extinguisher hydrant lines & sprinkler lines (up to 16 bar) upon request



Article Number	Parameter	Victaulic-Identity Measuree				max. Operating Pressure
		front Ø Nenn-AD (mm)	Distance „A“ (mm) min/max	Groove width „B“ (mm) min/max	Maß „C“ Nut AØ (mm) min/max	
-	1 1/4"	42,4	15,1-16,7	6,4-7,9	38,5-39,0	34bar
-	1 1/2"	48,3	15,1-16,7	6,4-7,9	44,7-45,1	34bar
-	57 mm	57	15,1-16,7	8,0-9,5	53,4-53,8	34bar
-	2"	60,3	15,1-16,7	8,0-9,5	56,8-57,2	34bar
-	2 1/2"	73	15,1-16,7	8,0-9,5	68,6-69,1	34bar
-	76,1 mm	76,1	15,1-16,7	8,0-9,5	71,8-72,3	34bar
-	3"	88,9	15,1-16,7	8,0-9,5	84,5-84,9	34bar
-	3 1/2"	101,6	15,1-16,7	8,0-9,5	96,9-97,4	34bar
-	108 mm	108	15,1-16,7	8,0-9,5	103,2-103,7	34bar
-	4"	114,3	15,1-16,7	8,0-9,5	109,6-110,1	34bar
-	4 1/2"	127	15,1-16,7	8,0-9,5	122,3-122,8	27bar
-	133 mm	133	15,1-16,7	8,0-9,5	128,6-129,1	27bar
-	139,7 mm	139,7	15,1-16,7	8,0-9,5	135,0-135,5	27bar
-	5"	141,3	15,1-16,7	8,0-9,5	136,5-137,0	27bar
-	152,4 mm	152,4	15,1-16,7	8,0-9,5	147,5-148,1	27bar
-	159 mm	159	15,1-16,7	8,0-9,5	152,5-153,2	27bar
-	165,1 mm	165,1	15,1-16,7	8,0-9,5	160,2-160,8	27bar
-	6"	168,3	15,1-16,7	8,0-9,5	163,4-164,0	27bar
-	216,3 mm	216,3	18,3-19,8	11,1-12,7	213,8-214,4	20bar
-	8"	219,1	18,3-19,8	11,1-12,7	248,5-249,2	20bar



A typical application for Victa-Uni couplings.

QUICK CLUTCHINGS FROM BRASS "System Geka"

For safe, easy and quick coupling, for extending flexible hose lines and systems: Water hoses, drinking water hoses (with approval according to D2 and long-term test result DVGW W270), industrial hoses, suction and pressure hoses. For sizes 3/8" - 10 mm clear width up to 1 1/2" - 38 mm clear width. Also suitable for rigid pipelines and systems: metal and plastic pipes, in thread sizes G 1/4" to G 1 1/2" inside and outside. Also ideally suited as connection fittings for a wide range of industrial goods: machines, devices, apparatus, aggregates, tools, vehicles, pumps.

Quick coupling with hose nozzle

Brass hose coupling suitable for use with max. 10 bar operating pressure.

Temperature application range approx. -5 °C to +100 °C (depending on the sealing ring quality).

Article Number	For Hose (mm)	Size (Inch)	Weight (kg/Piece)
7010.010000	10	3/8"	0,09
7010.013000	13	1/2"	0,09
7010.019000	19	3/4"	0,10
7010.025000	25	1"	0,12
7010.032000	32	1 1/4"	0,18
7010.038000	38	1 1/2"	0,21



Quick coupling with female thread

Brass threaded coupling, suitable for use with up to 10 bar operating pressure. Temperature usage area: approx. -5 °C to +100 °C (depending on the sealing ring quality). Thread-side with flat NBR sealing ring.

Article Number	For Hose (mm)	Size (Inch)	Weight (kg/Piece)
7015.013000	13	1/2"	0,08
7015.019000	19	3/4"	0,09
7015.025000	25	1"	0,10
7015.032000	32	1 1/4"	0,12
7015.038000	38	1 1/2"	0,13



Quick coupling with external thread

Brass threaded coupling suitable for use with max. 10 bar operating pressure. Temperature operating range: approx. -5 °C to +100 °C (depending on the sealing ring quality). Threaded side with flat sealing ring NBR.

Article Number	For Hose (mm)	Size (Inch)	Weight (kg/Piece)
7020.013000	13	1/2"	0,08
7020.019000	19	3/4"	0,09
7020.025000	25	1"	0,09
7020.032000	32	1 1/4"	0,11
7020.038000	38	1 1/2"	0,13



* Other materials upon request.

Quick coupling for drinking water

This brass hose coupling complies with the drinking water regulations. It complies with the DVGW test specification VP550, registration number DW-0310BT0218. Suitable for use with max. 40 bar operating pressure. Temperature application range approx. -5 °C to +100 °C (depending on the sealing ring quality).

Article Number	For Hose (mm)	Size (Inch)	Weight (kg/Piece)
-	10	3/8"	
-	13	1/2"	
-	19	3/4"	
-	25	1"	
-	32	1 1/4"	
-	38	1 1/2"	



Other drinking water articles, such as threaded couplings, are available on request.

Blank caps

Brass blind coupling suitable for use with max. 10 bar operating pressure. Temperature application range: approx. -5 °C to +100 °C (depending on the sealing ring quality). With hole for chain fastening.

Article Number	For Hose (mm)	Size (Inch)
7031.060804	alle	Sizen



Threeway piece

Suitable for hose sizes from 3/8" to 1 1/2". Temperature application range: approx. -10 °C to +90 °C.

Article Number	Nominal Size (mm / Inch)	Cam Width (mm)	Operating Pressure (bar)
7031.060805	13 / 1/2"	40	8



Threeway piece with shut-off

Suitable for hose sizes from 3/8" to 1 1/2". Temperature application range: approx. -10 °C to +90 °C.

Article Number	Nominal Size (mm / Inch)	Cam Width (mm)	Operating Pressure (bar)
7031.060855	13 / 1/2"	40	8



Patent spray nozzle with hose connection

With the brass patent spray nozzle it is possible to make various settings from spraying to full jet. In addition, the water flow can be switched off and the flow rate can be regulated continuously. Operating pressure: 6 bar.

Article Number	For Hose (mm)	Size (Inch)	Weight (kg/Piece)
-	13	1/2"	
-	19	3/4"	
-	25	1"	



Patent spray nozzle with quick coupling "System Geka"

With the brass patent spray nozzle it is possible to make various settings from spraying to full jet. In addition, the water flow can be switched off and the flow rate can be regulated continuously. Operating pressure: 6 bar. Cam width: 40 mm.

Article Number	For Hose (mm)	Size (Inch)	Weight (kg/Piece)
7030.013000	13	1/2"	0,22
7030.019000	19	3/4"	0,29
7030.025000	25	1"	0,44



Nozzles with hose nozzles

With the brass-chrome plated jet pipe it is possible to make various settings from spraying to full jet. For this purpose, the jet pipe has an operating lever for the switching sequence: closed / spray / full. Operating pressure: 3-5 bar.

Article Number	For Hose (mm)	Size (Inch)	Weight (kg/Piece)
-	13	1/2"	
-	19	3/4"	
-	25	1"	



Replacement seals

Standard in all quick couplings. Temperature application range: approx. -10 °C to +90 °C, briefly: -10 °C to +120 °C. Shore hardness: 70° Shore +/- 5° Shore DIN 53505A.

Article Number	For Hose (mm)	Material
7031.410010	alle	NBR, schwarz
7031.410010-TR	alle	NBR, rot



CLAW COUPLINGS (COMPRESSED AIR COUPLINGS)

To this day, this universal coupling is still regarded as the system used worldwide for compressed air supply in construction and industry. This is a symmetrical quick coupling system with two claws each. These are locked by rotating them under pressure through 45 degrees. The coupling head is always identical and all connection variants and sealing systems can be coupled together. Usually these couplings are made of malleable cast iron (exception: stainless steel for critical media). This cast material guarantees the necessary elasticity, especially for thin-walled parts, due to its special heat treatment process and is specified as a material in accordance with DIN 3489 and DIN 3238.

Compressed air couplings (DIN 3489 formerly DIN 3483)

Malleable cast iron claw coupling suitable for use with max. 10 bar operating pressure. Temperature operating range: approx. -40 °C to +95 °C (depending on the sealing ring quality). The claw distance is 42 mm.

Article Number	SLW	DN	Width	H	Weight (kg/Piece)
-	1/4" = 6 mm	5	63	70	157
7035.010000	3/8" = 10 mm	7	63	76	150
7035.013000	1/2" = 13 mm	8,5	63	69	141
-	5/8" = 15 mm	11	63	69	142
7035.019000	3/4" = 19 mm	15	63	69	155
7035.025000	1" = 25 mm	19	63	70	176
-	1 1/4" = 32 mm	20	63	90	244



Compressed air couplings with safety collar

Malleable cast iron claw coupling suitable for use with max. 10 bar operating pressure. Temperature operating range: approx. -40 °C to +95 °C (depending on the sealing ring quality). The claw distance is 42 mm.

Article Number	SLW	DN	Width	H	Securing collar Ø	Weight (kg/Piece)
7037.013000	1/2" = 13 mm	5	63	75	25	174
-	5/8" = 15 mm	7	63	75	26	175
7037.019000	3/4" = 19 mm	8,5	63	75	28,5	182
7037.019000 ?	3/4" = 19 mm	11	63	73,5	24	160
-	1" = 25 mm	15	63	75	40	240
-	1" = 25 mm	19	63	75	30	190



Compressed air couplings with female thread (DIN 3489 formerly DIN 3482)

Malleable cast iron claw coupling suitable for use with max. 10 bar operating pressure. Temperature operating range: approx. -40 °C to +95 °C (depending on the sealing ring quality). The claw distance is 42 mm.

Article Number	Thread	DN	Width	H	SW Ø	Weight (kg/Piece)
-	G 1/4"	11	63	36	25	138
-	G 3/8"	15	63	36	26	135
7041.012000	G 1/2"	19	63	38	28,5	150
7041.019000	G 3/4"	20	63	40	24	155
7041.025000	G 1"	20	63	40	40	184
-	G 1 1/4"	20	63	50	30	297



Compressed air couplings with male thread (DIN 3489 formerly DIN 3481)

Malleable cast iron claw coupling suitable for use with max. 10 bar operating pressure. Temperature operating range: approx. -40 °C to +95 °C (depending on the sealing ring quality). The claw distance is 42 mm.

Article Number	Thread	DN	Width	H	SW Ø	Weight (kg/Piece)
-	G 1/4"	6	63	50	22	157
-	G 3/8"	9	63	52	27	170
7042.013000	G 1/2"	13	63	47	27	162
7042.019000	G 3/4"	17	63	50	32	175
7042.025000	G 1"	20	63	47	40	174
-	G 1 1/4"	20	63	52	46	230



Compressed air couplings (DIN 3489 vormalis DIN 3484)

Malleable cast iron claw coupling suitable for use with max. 10 bar operating pressure. Temperature operating range: approx. -40 °C to +95 °C (depending on the sealing ring quality). The claw distance is 42 mm.

Article Number	Design	Width	H	Weight (kg/Piece)
-	ohne Kettchen	63	43	130
-	mit Kettchen	63	43	140
-	Ersatzkettchen	200		7



Three-way piece with threaded connection or claw couplings

Malleable cast iron claw coupling suitable for use with max. 10 bar operating pressure. Temperature operating range: approx. -40 °C to +95 °C (depending on the sealing ring quality). The claw distance is 42 mm.

Article Number	Connection	DN	Width	H	Weight (kg/Piece)
-	3 x R 3/4"i	24	68	68	255
-	3 x G 3/4"	17	120	120	708
-	3 x R 1"i	30	85	85	413
-	3 x G 1"	21	130	135	905



Spare rubber rings for compressed air couplings according to DIN 3489

Article Number	Material	Temp. (°C)	Medium	Color	Hardness A	i Ø	a Ø	H	Weight (kg/Piece)
-	Perbunan	-40 / +95	Druckluft	schwarz	65°	20	34	11	6
-	TFEP	-40 / +200	Dampf	rot	65°	20	33	10	6
-	FKM	-40 / +200	Chemisch	grün	50°	20	34	10,5	9



Mody safety compressed air coupling (DIN 3238)

Malleable cast iron coupling suitable for use with max. 16 bar operating pressure. Temperature range: approx. -40 °C to +95 °C. The claw distance is 42 mm.

Article Number	SLW	DN	Width	H	Weight (kg/Piece)
-	3/8" = 10 mm	6,5	63	100	309
-	1/2" = 13 mm	10	63	100	309
-	5/8" = 15 mm	11	63	100	316
-	3/4" = 19 mm	15	63	100	319
-	1" = 25 mm	18	63	100	346
-	1 1/4" = 32 mm	18	63	135	464



Compressed air coupling with brass seal

Malleable cast iron claw coupling suitable for use with max. 10 bar operating pressure. Temperature application range: approx. -40 °C to +95 °C. The claw distance is 42 mm.

Article Number	SLW	DN	Width	H	Weight (kg/Piece)
-	1/2" = 13 mm	8,5	63	78	212
-	5/8" = 15 mm	11	63	88	226
-	3/4" = 19 mm	15	63	84	211
-	1" = 25 mm	19	63	84	225



Compressed air female thread coupling with brass seal

Malleable cast iron claw coupling suitable for use with max. 10 bar operating pressure. Temperature application range: approx. -40 °C to +95 °C. The claw distance is 42 mm.

Article Number	Thread (Inch)	DN	Width	H	SW	Weight (kg/Piece)
-	G 1/2"	17	63	50	32	220
-	G 3/4"	17	63	50	32	200
-	G 1"	17	63	52	41	260



Compressed air external thread coupling with brass seal

Malleable cast iron claw coupling suitable for use with max. 10 bar operating pressure. Temperature application range: approx. -40 °C to +95 °C. The claw distance is 42 mm.

Article Number	Thread (Inch)	DN	Width	H	SW	Weight (kg/Piece)
-	G 1/2"	11	63	55	27	193
-	G 3/4"	17	63	51	32	206
-	G 1"	17	63	48	40	213





Complete compressed air fittings DIN 8537/20 033 with hose nozzle

Cone screw connections made of steel/malleable cast iron, zinc plated and yellow passivated (free of chrome VI), consisting of union nut and conical sleeve. Complete fittings with locking collar and turned nozzle contour for perfect hose fit.

Article Number	SLW	Thread	DN	Width	H	Weight (kg/Piece)
-	3/8" = 10 mm	Rd 32 x 1/8"	7,5	65	90	221
-	1/2" = 13 mm	Rd 32 x 1/8"	10	65	83	249
-	5/8" = 15 mm	Rd 32 x 1/8"	12	65	85	229
-	3/4" = 19 mm	Rd 32 x 1/8"	15	65	85	251
-	1" = 25 mm	Rd 32 x 1/8"	16	65	90	310
-						
-	1" = 25 mm	Rd 32 x 1/8"	19	76	98	426
-						
-	1 1/4" = 32 mm	Rd 46 x 1/6"	25	86	124	685
-						
-	1 3/8" = 35 mm	Rd 55 x 1/6"	30	95	131	829
-	1 1/2" = 38 mm	Rd 55 x 1/6"	31	95	131	864
-						
-	1 5/8" = 42 mm	Rd 62 x 1/6"	35	105	139	1216
-						
-	1 1/2" = 38 mm	Rd 75 x 1/6"	31	137	140	1420
-	2" = 50 mm	Rd 75 x 1/6"	45	137	149	1725
-	2" = 53 mm	Rd 75 x 1/6"	45	137	149	1848
-						
-	3" = 75 mm	Rd 105 x 1/4"	67	158	206	3974



QUICK DISCONNECT COUPLINGS (ONE-WAY SHUT-OFF)

Universal one-hand quick couplings in brass MS 58 bright or nickel-plated. Suitable for compressed air supply in industry, trade, hobby. For water and other media.

- **Materiale:** Closed sleeve form against contamination of the coupling mechanism Connectors, release sleeve, valve body
- **Valve:** MS 58 or MS 58 nickel-plated Springs
- **Snap ring:** stainless steel 1.4310
- **Pins:** stainless steel 1.4305
- **Seals:** Perbunan (EPDM and FKM on request)
- **Plug nipple:** MS 58 or galvanised steel and yellow passivated (free of chrome VI)

Quick disconnect couplings with hose nozzle

Euro-Standard standard coupling suitable for use with max. PN 35 bar operating pressure.

Temperature application range: approx. -20 °C to +100 °C. Flow rate: max. 1100 l/m.

Article Number	SLW (mm)	Height	Ø	Grommet length	Weight (kg/Piece)
-	6	55	27	25	64
-	8	55	27	25	67
-	9	55	27	25	68
-	10	58	27	28	70
-	10	55	27	25	70
-	13	58	27	28	75
-	13	55	27	25	75



Quick connect couplings with external thread

Euro-Standard standard coupling suitable for use with max. PN 35 bar operating pressure.

Temperature application range: approx. -20 °C to +100 °C. Flow rate: max. 1100 l/m.

Article Number	Thread	Height	Ø	SW	Weight (kg/Piece)
-	G 1/8"	38	27	22	7
-	G 1/4"	40	27	22	9
-	G 3/8"	41	27	22	9
-	G 1/2"	41	27	24	10
-	M 14 x 1,5	40	27	22	9
-	M 16 x 1,5	40	27	22	9
-	M 18 x 1,5	40	27	22	10



Quick connect couplings with female thread

Euro-Standard standard coupling suitable for use with max. PN 35 bar operating pressure.

Temperature application range: approx. -20 °C to +100 °C. Flow rate: max. 1100 l/m.

Article Number	Thread	H	Ø	SW	Weight (kg/Piece)
-	G 1/8"	38	27	22	7
-	G 1/4"	40	27	22	9
-	G 3/8"	41	27	22	9
-	G 1/2"	41	27	24	10
-	M 14 x 1,5	40	27	22	9
-	M 16 x 1,5	40	27	22	9
-	M 18 x 1,5	40	27	22	10



Plug nipple with male thread

Euro-Standard standard coupling suitable for use with max. PN 35 bar operating pressure.

Temperature application range: approx. -20 °C to +100 °C. Flow rate: max. 1100 l/m.

Article Number	Thread	H	SW	Material	Threadlength	Nipples-length	Weight (kg/Piece)
-	G 1/8"	31	13	Brass	7	20	17
-	G 1/4"	33	17	Brass	9	20	21
-	G 3/8"	33	19	Brass	9	20	26
-	G 1/2"	35	24	Brass	10	20	41
-	M 14 x 1,5	33	17	Brass	9	20	26
-	M 16 x 1,5	33	19	Brass	9	20	32
-	M 18 x 1,5	34	22	Brass	10	20	36
-	G 1/8"	31	13	Steel, verz.	7	20	15
-	G 1/4"	33	17	Steel, verz.	9	20	19
-	G 3/8"	33	19	Steel, verz.	9	20	24
-	G 1/2"	36	24	Steel, verz.	10	20	39



Plug nipple with male thread

Euro-Standard standard coupling suitable for use with max. PN 35 bar operating pressure.

Temperature application range: approx. -20 °C to +100 °C. Flow rate: max. 1100 l/m.

Article Number	Thread	H	SW	Material	Thread-länge	Nippel-länge	Weight (kg/Piece)
-	G 1/8"	31	13	Brass	9	20	16
-	G 1/4"	33	17	Brass	10	20	24
-	G 3/8"	33	19	Brass	10	20	23
-	G 1/2"	35	24	Brass	12	20	38
-	M 14 x 1,5	33	17	Brass	11	20	25
-	M 16 x 1,5	33	19	Brass	11	20	36
-	M 18 x 1,5	35	22	Brass	12	20	43
-	G 1/8"	31	13	Steel, verz.	9	20	15
-	G 1/4"	33	17	Steel, verz.	10	20	22
-	G 3/8"	33	19	Steel, verz.	10	20	21
-	G 1/2"	35	24	Steel, verz.	12	20	35



Plug nipple with hose nozzle

Euro-Standard standard coupling suitable for use with max. PN 35 bar operating pressure.

Temperature application range: approx. -20 °C to +100 °C. Flow rate: max. 1100 l/m.

Article Number	SLW (mm)	H	Ø	Material	Grommets-length	Nipples-length	Weight (kg/Piece)
-	4	44	12	Brass	22,5	20	10
-	6	44	12	Brass	24	20	14
-	8	44	12	Brass	24	20	18
-	9	44	12	Brass	24	20	17
-	10	47	12	Brass	26	20	21
-	10	44	12	Brass	23	20	19
-	13	47	15	Brass	26	20	26
-	13	44	15	Brass	23	20	24
-	6	44	12	Steel, galvanized	24	20	13
-	8	44	12	Steel, galvanized	24	20	18
-	9	44	12	Steel, galvanized	24	20	16
-	13	44	15	Steel, galvanized	23	20	26



Matching clamps/sleeves:

(ordering information on page 123 and 126)

Two-ear clamps:

- Terminal profile according to DIN 2393 C
- Clamps made of unbreakable special steel, galvanized and blue chromated (free of chrome VI).
- Simple and quick assembly using pincers
- Concentric, strong clamping effect, therefore safe and non-detachable
- No risk of injury during assembly or in operation
- For the integration of various hoses and fittings for a wide range of media



Press sleeves:

Press sleeves made of annealed steel, galvanized and yellow passivated

- Simple, fast and absolutely safe hose pressing by means of a manual assembly device
- No risk of injury, clean and safe inseparable compound
- For pressing a wide range of hoses and fittings for a variety of media



SAND JET COUPLINGS

For use on blasting systems and cabins, stationary as well as mobile blasting units, we recommend the use of the following sandblasting couplings and nozzle holders. This is a coupling system similar to the claw coupling with a claw distance of 58 mm. The head dimensions are always identical and therefore always compatible. For safety reasons, we generally recommend the use of the USC-1 locking pin and, for ,TN' versions, the DSR automatic locking device (generally included with nylon). Version ,TN' sealing direct hose against seal as well as long hose guide with new inner profile to prevent the escape of blasting medium.

Malleable cast iron hose couplings

Sandblasting coupling made of malleable cast iron, zinc plated and yellow passivated (free of chrome VI).

Hose coupling including retaining screws.

Article Number	For Hose (mm)	Height	Width	Weight (kg/Piece)
-	19 x 6	100	63	900
-	25 x 7	93	87	481
-	32 x 8	135	87	827
-	32 x 8	92	87	570
-	38 x 9	129	87	784
-	40 x 10	150	87	893



Female thread couplings of malleable cast iron

Sandblasting coupling made of malleable cast iron, zinc plated and yellow passivated (free of chrome VI).

Hose coupling including retaining screws.

Article Number	Thread	Height	Width	Weight (kg/Piece)
-	G 1/4"	62	87	509
-	G 1/4"	55	87	392
-	G 1/2"	62	87	464
-	G 1/2"	55	87	340
-	GrobThread 50 mm	62	87	448
-	GrobThread 50 mm	55	87	324
-	G 2"	84	87	550



Aluminium nozzle holder with internal thread

Aluminium nozzle holder. Nozzle holder including retaining screws.

Article Number	For Hose (mm)	Thread	Height	Width	Weight (kg/Piece)
-	32 x 8	G 1 1/4»	130	57	248
-	32 x 8	GrobThread 50 mm	130	57	231



Nylon hose couplings

Sandblast coupling made of nylon. Hose coupling including retaining screws.

Article Number	For Hose (mm)	Height	Width	Weight (kg/Piece)
-	19 x 6	110	51	193
-	25 x 7	110	51	165
-	32 x 8	136	60	222
-	38 x 9	136	67	244
-	42 x 9 / 40 x 10	136	71	215



Nylon female thread couplings

Sandblast coupling made of nylon. Hose coupling including retaining screws.

Article Number	Thread	Height	Width	Weight (kg/Piece)
-	G 1 1/4"	63	61	126
-	GrobThread 50 mm	63	61	107



Nylon nozzle holder with internal thread

Nylon nozzle holder. Nozzle holder including retaining screws.

Article Number	For Hose (mm)	Thread	Height	Width	Weight (kg/Piece)
-	19 x 7	GrobThread 50 mm	100	49	115
-	25 x 7	GrobThread 50 mm	100	51	93
-	32 x 8	GrobThread 50 mm	120	59	150
-	38 x 9	GrobThread 50 mm	128	66	156
-	19 x 7	G 1 1/4"	100	51	109
-	25 x 7	G 1 1/4"	100	51	102
-	32 x 8	G 1 1/4"	128	59	154
-	38 x 9	G 1 1/4"	128	66	166



Replacement seals for Malleable cast iron couplings



Replacement seals for Nylon couplings



FLANGE COUPLINGS

Flange dimensions for the following items.

For Hose (mm)	Flange DN (mm)	PN	Outer Flange Ø (mm)	Bolt circle (mm)	Number of holes	Hole Ø (mm)
19	20	10/16	105	75	4	14
25	25	10/16	115	85	4	14
32	32	10/16	140	100	4	18
38	40	10/16	150	110	4	18
51	50	10/16	165	125	4	18
63	65	10/16	185	145	4	18
76	80	10/16	200	160	8	18
100	100	10/16	220	180	8	18
102	100	10/16	220	180	8	18
125	125	10/16	250	210	8	18
152	150	10/16	285	240	8	22
203	200	10	340	295	8	22
254	250	10	395	350	12	22
305	300	10	445	400	12	22

Fixed flange coupling for clamp integration

Flange connection on one side, turned-on grooves for integration with clamps on the other. Suitable for use with an operating pressure to 10 bar (PN 10).

Article Number	DN (mm / Inch)	Flange	Material	Weight (kg/piece)
-	25 / 1"	DN 25 PN 10/16	Steel	1,3
-			Stainless steel	1,3
-	32 / 1 1/4"	DN 32 PN 10/16	Steel	1,9
-			Stainless steel	1,9
-	38,40 / 1 1/2"	DN 40 PN 10/16	Steel	2,1
-			Stainless steel	2,1
-	50 / 2"	DN 50 PN 10/16	Steel	2,8
-			Stainless steel	2,8
-	63,65 / 2 1/2"	DN 65 PN 10/16	Steel	3,6
-			Stainless steel	3,6
-	75 / 3"	DN 80 PN 10/16	Steel	4,4
-			Stainless steel	4,4
-	80	DN 80 PN 10/16	Steel	4,5
-			Stainless steel	4,5
-	100 / 4"	DN 100 PN 10/16	Steel	5,7
-			Stainless steel	5,6
-	125 / 5"	DN 125 PN 10/16	Steel	7,4
-	150 / 6"	DN 150 PN 10/16	Steel	9,7
-			Stainless steel	9,8
-	200 / 8"	DN 200 PN 10	Steel	15,3
-	250 / 10"	DN 250 PN 10	Steel	19,5



Loose flange coupling for clamp integration

Flange connection on one side, turned-on grooves for integration with clamps on the other. Suitable for use with an operating pressure to 10 bar (PN 10).

Article Number	DN (mm / Inch)	Flange	Material	Weight (kg/piece)
-	25 / 1"	DN 25 PN 10/16	Steel	1,6
-			Stainless steel	1,6
-	32 / 1 1/4"	DN 32 PN 10/16	Steel	2,3
-			Stainless steel	2,2
-	38,40 / 1 1/2"	DN 40 PN 10/16	Steel	2,7
-			Stainless steel	2,6
-	50 / 2"	DN 50 PN 10/16	Steel	3,4
-			Stainless steel	3,2
-	63, 65 / 2 1/2"	DN 65 PN 10/16	Steel	4,4
-			Stainless steel	4,1
-	75 / 3"	DN 80 PN 10/16	Steel	5,6
-			Stainless steel	5,3
-	80	DN 80 PN 10/16	Steel	5,7
-			Stainless steel	5,4
-	100 / 4"	DN 100 PN 10/16	Steel	7,0
-			Stainless steel	6,3
-	125 / 5"	DN 125 PN 10/16	Steel	8,0
-	150 / 6"	DN 150 PN 10/16	Steel	10,3
-			Stainless steel	10,3
-	200 / 8"	DN 200 PN 10	Steel	15,8
-	250 / 10"	DN 250 PN 10	Steel	21,0



Fixed flange coupling for shell integration according to EN 14420-2/-3/-5 (DIN 2817)

Flange connection on the one side, aluminium split collets on the other. Suitable for use with an operating pressure to 25 bar (PN 25).

Article Number	DN (mm / Inch)	Flange	Material	Weight (kg/piece)
-	13 x 5 / 1/2"	DN 15 PN 10/16	Steel	1,0
-			Stainless steel	1,0
-		DN 15 PN 25/40	Steel	1,1
-			Stainless steel	1,1
-		ASA 150 psi 1/2"	Steel	1,2
-			Stainless steel	1,2
-	19 x 6 / 3/4"	DN 20 PN 10/16	Steel	1,2
-			Stainless steel	1,2
-		DN 20 PN 25/40	Steel	1,3
-			Stainless steel	1,3
-		ASA 150 psi 3/4"	Steel	1,2
-			Stainless steel	1,2
-		ASA 300 psi 3/4"	Steel	1,7
-				
-	25 x 6 / 1"	DN 25 PN 10/16	Steel	1,5
-			Stainless steel	1,5
-		DN 25 PN 25/40	Steel	1,6
-			Stainless steel	1,6
-		ASA 150 psi 1"	Steel	1,7
-			Stainless steel	1,7
-	ASA 300 psi 1"	Steel	2,1	
-				
-	32 / 1 1/4"	DN 32 PN 10/16	Steel	2,0
-			Stainless steel	2,0
-		DN 32 PN 25/40	Steel	2,2
-			Stainless steel	2,2
-		ASA 150 psi 1 1/4"	Steel	1,7
-			Stainless steel	1,7
-	ASA 300 psi 1 1/4"	Steel	2,7	
-				
-	38 x 6,5 / 1 1/2"	DN 40 PN 10/16	Steel	2,3
-			Stainless steel	2,3
-		DN 40 PN 25/40	Steel	2,8
-			Stainless steel	2,8
-		ASA 150 psi 1 1/2"	Steel	2,2
-			Stainless steel	2,2
-	ASA 300 psi 1 1/2"	Steel	3,7	
-				
-	40 x 7	DN 40 PN 10/16	Steel	2,4
-			Stainless steel	2,4
-		DN 40 PN 25/40	Steel	2,9
-			Stainless steel	2,4
-		ASA 150 psi 1 1/2"	Steel	2,4
-			Stainless steel	2,4
-	50 x 8 / 2"	DN 50 PN 10 /16	Steel	3,2
-			Stainless steel	3,2
-		DN 50 PN 25/40	Steel	3,5
-			Stainless steel	3,5
-		ASA 150 psi 2"	Steel	3,4
-			Stainless steel	3,4
-	ASA 300 psi 2"	Steel	4,7	
-				



Article Number	DN (mm / Inch)	Flange	Material	Weight (kg/piece)
-	63 x 8 / 2 1/2" 65 x 7 / 1 1/2"	DN 65 PN 10/16	Steel	4,1
-			Stainless steel	4,1
-		DN 65 PN 25/40	Steel	4,8
-			Stainless steel	4,8
-		ASA 150 psi 2 1/2"	Steel	4,6
-			Stainless steel	4,6
-		ASA 300 psi 2 1/2"	Steel	6,4
-	75 x 8 / 3"	DN 80 PN 10/16	Steel	4,9
-			Stainless steel	4,9
-		DN 80 PN 25/40	Steel	5,9
-			Stainless steel	5,9
-		ASA 150 psi 3"	Steel	5,7
-			Stainless steel	5,7
-		ASA 300 psi 3"	Steel	8,1
-	80 x 8	DN 80 PN 10/16	Steel	5,0
-			Stainless steel	5,0
-		DN 80 PN 25/40	Steel	6,0
-			Stainless steel	6,0
-		ASA 150 psi 3"	Steel	5,8
-			Stainless steel	5,8
-	100 x 8 / 4"	DN 100 PN 10/16	Steel	7,0
-			Stainless steel	7,0
-		DN 100 PN 25/40	Steel	8,9
-			Stainless steel	8,9
-		ASA 150 psi 4"	Steel	9,2
-			Stainless steel	9,2
-		ASA 300 psi 4"	Steel	13,7
-	125 x 10 / 5"	DN 125 PN 10/16	Steel	10,4
-			Stainless steel	10,4
-		DN 125 PN 25/40	Steel	13,1
-			Stainless steel	13,1
-		ASA 150 psi 5"	Steel	12,7
-			Stainless steel	12,7
-		ASA 300 psi 5"	Steel	18,6
-	150 x 10 / 6"	DN 150 PN 10/16	Steel	10,3
-			Stainless steel	10,3
-		DN 150 PN 25/40	Steel	19,7
-			Stainless steel	19,7
-		ASA 150 psi 6"	Steel	19,1
-			Stainless steel	19,1
-		ASA 300 psi 6"	Steel	27,2
-	200 x 12 / 8"	DN 200 PN 10	Steel	25,7
-			Stainless steel	25,7
-		DN 200 PN 16	Steel	25,4
-			Stainless steel	25,4
-		DN 200 PN 25	Steel	31,4
-			Stainless steel	31,4
-		ASA 150 psi 8"	Steel	32,1
-		Stainless steel	32,1	
-		ASA 300 psi 8"	Steel	44,8

Loose flange coupling for shell integration according to EN 14420-2/-3/-5 (DIN 2817)

Flange connection on the one side, aluminium split collets on the other. Suitable for use with an operating pressure to 25 bar (PN 25).

Article Number	DN (mm / Inch)	Flange	Material	Weight (kg/piece)
-	13 x 5 / 1/2"	DN 15 PN 10/16	Steel	1,1
-			Stainless steel	1,1
-		DN 15 PN 25/40	Steel	1,2
-			Stainless steel	1,2
-		ASA 150 psi 1/2"	Steel	0,8
-			Stainless steel	0,8
-	19 x 6 / 3/4"	DN 20 PN 10/16	Steel	1,3
-			Stainless steel	1,3
-		DN 20 PN 25/40	Steel	1,4
-			Stainless steel	1,4
-		ASA 150 psi 3/4"	Steel	1,0
-			Stainless steel	1,0
-		ASA 300 psi 3/4"	Steel	1,5
-				
-	25 x 6 / 1"	DN 25 PN 10/16	Steel	1,7
-			Stainless steel	1,7
-		DN 25 PN 25/40	Steel	1,9
-			Stainless steel	1,9
-		ASA 150 psi 1"	Steel	1,4
-			Stainless steel	1,4
-		ASA 300 psi 1"	Steel	1,9
-				
-	32 x 6 / 1 1/4"	DN 32 PN 10/16	Steel	2,3
--			Stainless steel	2,3
-		DN 32 PN 25/40	Polypropylen	0,9
-			Steel	2,6
-		ASA 150 psi 1 1/4"	Stainless steel	2,6
-			Steel	1,8
-		ASA 300 psi 1 1/4"	Stainless steel	1,8
-			Steel	2,4
-	38 x 6,5 / 1 1/2"	DN 40 PN 10/16	Steel	2,8
-			Stainless steel	2,8
-		DN 40 PN 25/40	Polypropylen	0,9
-			Steel	3,0
-		ASA 150 psi 1 1/2"	Stainless steel	3,0
-			Steel	2,3
-		ASA 300 psi 1 1/2"	Stainless steel	2,3
-			Steel	3,4
-	40 x 7	DN 40 PN 10/16	Steel	2,9
-			Stainless steel	2,9
-		DN 40 PN 25/40	Polypropylen	1,0
-			Steel	3,1
-		ASA 150 psi 1 1/2"	Steel	2,5
-			Stainless steel	2,5
-	50 x 8 / 2"	DN 50 PN 10 /16	Steel	3,6
-			Stainless steel	3,6
-			Brass	3,6
-			Aluminium	1,3



Article Number	DN (mm / Inch)	Flange	Material	Weight (kg/piece)	
-	50 x 8 / 2"	DN 50 PN 10 /16	Polypropylen	1,7	
-		DN 50 PN 25/40	Steel	4,2	
-			Stainless steel	4,2	
-			ASA 150 psi 2"	Steel	3,5
-				Stainless steel	3,5
-			ASA 300 psi 2"	Steel	4,2
-	63 x 8 / 2 1/2" 65 x 7 / 1 1/2"	DN 65 PN 10/16	Steel	4,6	
-			Stainless steel	4,6	
-			Brass	4,7	
-			Aluminium	1,8	
-			Polypropylen	1,7	
-			DN 65 PN 25/40	Steel	5,3
-				Stainless steel	5,3
-			ASA 150 psi 2 1/2"	Steel	5,4
-				Stainless steel	5,4
-			ASA 300 psi 2 1/2"	Steel	6,2
-		75 x 8 / 3"	DN 80 PN 10/16	Steel	6,1
-				Stainless steel	6,1
-			Brass	5,7	
-			Aluminium	2,3	
-			Polypropylen	2,0	
-			DN 80 PN 25/40	Steel	6,6
-				Stainless steel	6,6
-			ASA 150 psi 3"	Steel	5,5
-				Stainless steel	5,5
-			ASA 300 psi 3"	Steel	7,5
-	80 x 8		DN 80 PN 10/16	Steel	6,2
-				Stainless steel	6,2
-			Aluminium	2,3	
-			Polypropylen	2,0	
-			DN 80 PN 25/40	Steel	6,7
-			ASA 150 psi 3"	Steel	5,6
-			Stainless steel	5,6	
-	100 x 8 / 4"	DN 100 PN 10/16	Steel	8,4	
-			Stainless steel	8,4	
-			Brass	8,3	
-			Aluminium	3,4	
-			Polypropylen	3,0	
-			DN 100 PN 25/40	Steel	9,8
-				Stainless steel	9,8
-			ASA 150 psi 4"	Steel	9,3
-				Stainless steel	9,3
-			ASA 300 psi 4"	Steel	13,6
-	125 x 10 / 5"	DN 125 PN 10/16	Steel	11,0	
-			Stainless steel	11,0	
-			DN 125 PN 25/40	Steel	13,3
-			ASA 150 psi 5"	Steel	11,6
-				Stainless steel	11,6
-			ASA 300 psi 5"	Steel	17,6
-	150 x 10 / 6"	DN 150 PN 10/16	Steel	16,5	
-			Stainless steel	16,5	
-			Brass	19,6	
-			Aluminium	8,7	
-			DN 150 PN 25/40	Steel	19,0
-	150 x 10 / 6"	ASA 150 psi 6"	Steel	19,3	
-			Stainless steel	19,3	
-			ASA 300 psi 6"	Steel	25,5
-					
-	200 x 12 / 8"	DN 200 PN 10	Steel	26,9	
-			Stainless steel	26,9	
-			DN 200 PN 16	Steel	25,7
-			DN 200 PN 25	Steel	29,4
-			ASA 150 psi 8"	Steel	29,2
-				Stainless steel	29,2
-			ASA 300 psi 8"	Steel	40,4

Fixed flange coupling for shell integration, heavy version according to EN ISO 14423 (DIN 2826)

Flange connection on the one side, brass split collets on the other. Suitable for use at temperatures up to 230 °C and 100 bar operating pressure (PN 100).

Article Number	DN (mm / Inch)	Flange	Material	Weight (kg/piece)
-	13 x 6 / 1/2"	DN 15 PN 10/16	Steel	1,1
-			Stainless steel	1,1
-		DN 15 PN 25/40	Steel	1,2
-			Stainless steel	1,2
-		ASA 150 psi 1/2"	Steel	1,4
-			ASA 300 psi 1/2"	Steel
-	19 x 7 / 3/4"	DN 20 PN 10/16	Steel	1,7
-			Stainless steel	1,7
-		DN 20 PN 25/40	Steel	1,8
-			Stainless steel	1,8
-		ASA 150 psi 3/4"	Steel	1,6
-		ASA 300 psi 3/4"	Steel	2,1
-	25 x 7 / 1"	DN 25 PN 10/16	Steel	1,9
-			Stainless steel	2,0
-		DN 25 PN 25/40	Steel	2,1
-			Stainless steel	2,2
-		ASA 150 psi 1"	Steel	2,2
-		ASA 300 psi 1"	Steel	2,6
-	32 x 8 / 1 1/4"	DN 32 PN 10/16	Steel	2,7
-			Stainless steel	2,8
-		DN 32 PN 25/40	Steel	2,9
-			Stainless steel	3,4
-		ASA 150 psi 1 1/4"	Steel	2,5
-		ASA 300 psi 1 1/4"	Steel	3,4
-	38 x 8 / 1 1/2"	DN 40 PN 10/16	Steel	3,7
-			Stainless steel	3,7
-		DN 40 PN 25/40	Steel	4,2
-			Stainless steel	4,2
-		ASA 150 psi 1 1/2"	Steel	3,6
-		ASA 300 psi 1 1/2"	Steel	5,0
-	50 x 9 / 2"	DN 50 PN 10 /16	Steel	4,8
-			Stainless steel	4,8
-		DN 50 PN 25/40	Steel	5,1
-			Stainless steel	5,1
-		ASA 150 psi 2"	Steel	5,0
-		ASA 300 psi 2"	Steel	6,4
-	65 x 10 / 2 1/2"	DN 65 PN 10/16	Steel	6,7
-		DN 65 PN 25/40	Steel	7,4
-		ASA 150 psi 2 1/2"	Steel	7,3
-		ASA 300 psi 2 1/2"	Steel	9,1
-	75 x 10 / 3"	DN 80 PN 10/16	Steel	8,2
-		DN 80 PN 25/40	Steel	9,2
-		ASA 150 psi 3"	Steel	9,0
-		ASA 300 psi 3"	Steel	11,3
-	100 x 12 / 4"	DN 100 PN 10/16	Steel	10,9
-		DN 100 PN 25/40	Steel	12,8
-		ASA 150 psi 4"	Steel	13,1
-		ASA 300 psi 4"	Steel	17,6

Loose flange coupling for shell integration, heavy version according to EN ISO 14423 (DIN 2826)

Flange connection on the one side, brass split collets on the other. Suitable for use at temperatures up to 230 °C and 100 bar operating pressure (PN 100).

Article Number	DN (mm / Inch)	Flange	Material	Weight (kg/piece)
-	13 x 6 / 1/2"	DN 15 PN 10/16	Steel	1,3
-			Stainless steel	1,2
-		DN 15 PN 25/40	Steel	1,4
-			Stainless steel	1,3
-		ASA 150 psi 1/2"	Steel	1,0
-		ASA 300 psi 1/2"	Steel	1,3
-	19 x 7 / 3/4"	DN 20 PN 10/16	Steel	1,8
-			Stainless steel	1,7
-		DN 20 PN 25/40	Steel	1,9
-			Stainless steel	1,9
-		ASA 150 psi 3/4"	Steel	1,5
-		ASA 300 psi 3/4"	Steel	2,0
-	25 x 7 / 1"	DN 25 PN 10/16	Steel	2,2
-			Stainless steel	2,3
-		DN 25 PN 25/40	Steel	2,4
-			Stainless steel	2,5
-		ASA 150 psi 1"	Steel	1,9
-		ASA 300 psi 1"	Steel	2,4
-	32 x 8 / 1 1/4"	DN 32 PN 10/16	Steel	3,2
-			Stainless steel	3,1
-		DN 32 PN 25/40	Steel	3,3
-		DN 32 PN 25/40	Stainless steel	3,3
-		ASA 150 psi 1 1/4"	Steel	2,6
-		ASA 300 psi 1 1/4"	Steel	3,2
-	38 x 8 / 1 1/2"	DN 40 PN 10/16	Steel	4,3
-			Stainless steel	4,2
-		DN 40 PN 25/40	Steel	4,5
-			Stainless steel	4,5
-		ASA 150 psi 1 1/2"	Steel	3,8
-		ASA 300 psi 1 1/2"	Steel	4,9
-	50 x 9 / 2"	DN 50 PN 10 /16	Steel	5,3
-			Stainless steel	5,2
-		DN 50 PN 25/40	Steel	5,8
-			Stainless steel	5,8
-		ASA 150 psi 2"	Steel	5,1
-		ASA 300 psi 2"	Steel	5,9
-	65 x 10 / 2 1/2"	DN 65 PN 10/16	Steel	7,5
-		DN 65 PN 25/40	Steel	7,9
-		ASA 150 psi 2 1/2"	Steel	8,0
-		ASA 300 psi 2 1/2"	Steel	8,8
-	75 x 10 / 3"	DN 80 PN 10/16	Steel	9,4
-		DN 80 PN 25/40	Steel	9,8
-		ASA 150 psi 3"	Steel	8,9
-		ASA 300 psi 3"	Steel	10,9
-	100 x 12 / 4"	DN 100 PN 10/16	Steel	12,3
-		DN 100 PN 25/40	Steel	13,7
-		ASA 150 psi 4"	Steel	13,2
-		ASA 300 psi 4"	Steel	17,6



Flange threaded nipple

Fixed flange on the one side, outer thread on the other.

Article Number	Flange	Thread	Material	Construction length (mm)	Weight (kg/piece)
-	DN 25 / PN 10/16	G 1"	Steel	73	1,30
-			Stainless steel	73	1,30
-		R 1"2999	Polypropylen	41	0,15
-	DN 32 / PN 10/16	G 1 1/4"	Steel	75	1,90
-			Stainless steel	75	1,90
-	DN 40 / PN 10/16	G 1 1/2"	Steel	77	2,15
-			Stainless steel	77	2,15
-		R 1 1/2"2999	Polypropylen	60	0,27
-		G 2"	Steel	87	2,30
-			Stainless steel	87	2,30
-	TW 1	G 3"	Steel	58	1,85
-	TW 1	G 3"	Stainless steel	58	1,90
-			Brass	37	1,40
-			Aluminium	40	0,54
-	DN 50 / PN 10/16	G 2"	Steel	90	2,95
-			Stainless steel	90	2,95
-			Brass	37	2,55
-			Aluminium	37	0,81
-		R 2"2999	Polypropylen	60	0,36
-		DN 65	G 2 1/2"	Steel	90
-	Stainless steel			90	3,60
-	G 3"		Steel	90	3,70
-			Stainless steel	90	3,75
-	DN 80 / PN 10/16	G 3"	Steel	95	4,35
-			Stainless steel	95	4,40
-			Brass	46	3,80
-			Aluminium	46	1,20
-		R 3"2999	Polypropylen	68	0,54
-	TW 3	G 4"	Steel	58	2,30
-			Stainless steel	58	2,10
-			Aluminium	50	0,81
-	DN 100 / PN 10/16	G 4"	Steel	97	5,55
-			Stainless steel	97	5,35
-			Brass	55	5,05
-			Aluminium	55	1,70
-		5 1/2"DIN 11	Steel	97	6,45
-			Stainless steel	97	6,90
-			Aluminium	83	2,05

FURTHER FLANGE ITEMS

Such as transition pieces with lifting arm couplings, Storz couplings, or cardan couplings.





FITTINGS



HOSE FITTINGS

Hose fittings belong to the category hose couplings. They are used to make quickly detachable connections between hoses or for connecting equipment.

Hose couplings are generally designed for liquids and gases and are suitable for polyamide hoses (PA), polyethylene hoses (PE), PTFE hoses (Teflon) hoses made of polyurethane (PU), as well as for PVC fabric hoses.

The outer and inner diameter of the used hose is important for the selection of the right connector.

There are two types of threads. On the one hand threads: G = DIN ISO 228 / BSP and on the other hand 2999 = DIN 2999 / BSPT.

The following hose fittings are available in brass, stainless steel and aluminium.

Father part hose fittings

On one side external thread, on the other side turned grooves for binding with clamps. Suitable for 10 bar operating pressure (PN 10).

Article Number	Nominal Sizes (mm / Inch)	Thread	Material	Weight (kg/Piece)
300.013050.130	13 / 1/2"	R 1/2"2999	Brass	0,07
300.013050.120			Stainless steel	0,07
300.013075.130		R 3/4"2999	Brass	0,10
300.019075.130	19 / 3/4"	R 3/4"2999	Brass	0,14
300.019075.120			Stainless steel	0,14
300.019100.130	19 / 3/4"	G 1"	Brass	0,17
300.025100.130	25 / 1"	G 1"	Brass	0,17
300.025100.120			Stainless steel	0,16
300.025125.130		G 1 1/4"	Brass	0,23
300.032125.130	32 / 1 1/4"	G 1 1/4"	Brass	0,24
300.032125.120			Stainless steel	0,23
300.032150.130		G 1 1/2"	Brass	0,31
300.040150.130	38, 40 / 1 1/2"	G 1 1/2"	Brass	0,29
300.040150.120			Stainless steel	0,38
300.040200.130		G 2"	Brass	0,51
300.050200.130	50 / 2"	G 2"	Brass	0,49
300.050200.120			Stainless steel	0,43
300.065250.130	63, 65 / 2 1/2"	G 2 1/2"	Brass	0,74
300.065250.120			Stainless steel	1,00
-		G 3"	Brass	0,83
-	75 / 3"	G 3"	Brass	0,90
-			Stainless steel	0,84
-			Aluminium	0,36
-	80 / G3"	G 3"	Brass	0,92
-			Stainless steel	0,70
-	100 / 4"	G 4"	Brass	2,20
-			Stainless steel	1,55



Female Hose Fittings

On one side turnable union nut, on the other side turned grooves for binding with clamps. Thread seals made of Vulkollan/ polyurethane, for stainless steel of Teflon Suitable for 10 bar operating pressure (PN 10).

Article Number	Nominal Sizes (mm / Inch)	Thread	Material	Weight (kg/Piece)
-	13 / 1/2"	G 1/2"	Brass	0,09
-			Stainless steel	0,09
-		G 3/4"	Brass	0,10
-	19 / 3/4"	G 3/4"	Brass	0,10
-			Stainless steel	0,10
-		G 1"	Brass	0,13
-	25 / 1"	G 1"	Brass	0,15
-			Stainless steel	0,16
-		G 1 1/4"	Brass	0,18
-	32 / 1 1/4"	G 1 1/4"	Brass	0,22
-			Stainless steel	0,20
-		G 1 1/2"	Brass	0,31
-	38,40 / 1 1/2"	G 1 1/2"	Brass	0,32
-			Stainless steel	0,39
-		G 2"	Brass	0,50
-	50 / 2"	G 2"	Brass	0,47
-			Stainless steel	0,44
-		G 2 1/2"	Brass	0,72
-	63,65 / 2 1/2"	G 2 1/2"	Brass	0,83
-			Stainless steel	0,82
-		G 3"	Brass	1,05
-	75 / 3"	G 3"	Brass	1,05
-			Stainless steel	1,01
-	80	G 3"	Brass	1,05
-			Stainless steel	1,01
-	100 / 4"	G 4"	Brass	2,30



engaged with:

Hinge bolt clamps

Solid round bolts, stable bands. Hardened screws with external hexagon.



SLEEVE SCREW CONNECTIONS

Sleeve connections are suitable for 16 bar operating pressure when using appropriate hoses. Seals made of Vulkollan/Polyurethane, with stainless steel PTFE.

The advantageous product characteristics of a sleeve fitting are noticeable in the small size of the fitting, can be easily fitted without special tools, do not protrude and are reusable.

Areas of application Sleeve fittings: petrochemistry, cooling aggregates, fuel dispensers

Male-Sleeve Fittings

On one side external thread, on the other side screw sleeve made of brass (for stainless steel, brass bright chrome-plated).

Suitable for 16 bar operating pressure (PN 16).

Article Number	Nominal Sizes (mm / Inch)	Thread	Material	Weight (kg/Piece)
-	13 x 5 / 1/2"	R 1/2"2999	Brass	0,12
-			Stainless steel	0,11
-	15 x 5 / 5/8"	R 3/4"2999	Brass	0,17
-			Stainless steel	0,16
-		3/4"NPT	Brass	0,17
-			Stainless steel	0,16
-	19 x 4 / 3/4"	R 3/4"2999	Brass	0,17
-			Stainless steel	0,16
-		3/4"NPT	Brass	0,17
-			Stainless steel	0,16
-		G 1"	Brass	0,19
-			Stainless steel	0,21
-	19 x 5 / 3/4"	R 3/4"2999	Brass	0,18
-			Stainless steel	0,17
-		3/4"NPT	Brass	0,18
-			Stainless steel	0,17
-		G 1"	Brass	0,20
-			Stainless steel	0,22
-	19 x 6 / 3/4"	R 3/4"2999	Brass	0,19
-			Stainless steel	0,18
-		3/4"NPT	Brass	0,19
-			Stainless steel	0,18
-		G 1"	Brass	0,21
-			Stainless steel	0,22
-	25 x 5 / 1"	G 1"	Brass	0,25
-			Stainless steel	0,23
-		1"NPT	Brass	0,19
-			Stainless steel	0,21
-	25 x 6 / 1"	G 1"	Brass	0,28
-			Stainless steel	0,27
-		1"NPT	Brass	0,30
-			Stainless steel	0,28
-	32 x 6	G 1 1/4"	Brass	0,44
-	38 x 6,5	G 1 1/2"	Brass	0,56



Female-Sleeve Fittings

On one side rotatable union nut, on the other side screw sleeve made of brass (in case of stainless steel bright chrome-plated brass). Thread seals made of Vulkollan/ polyurethane, for stainless steel made of Teflon. Suitable for 16 bar operating pressure (PN 16).

Article Number	Nominal Sizes (mm / Inch)	Thread	Material	Weight (kg/Piece)
-	13 x 5 / 1/2"	G 1/2"	Brass	0,13
-			Stainless steel	0,13
-		G 3/4"	Brass	0,13
-			Stainless steel	0,13
-	15 x 5 / 5/8"	G 3/4"	Brass	0,14
-			Stainless steel	0,14
-		G 1"	Brass	0,15
-			Stainless steel	0,15
-	19 x 4 / 3/4"	G 3/4"	Brass	0,15
-			Stainless steel	0,15
-		G 1"	Brass	0,17
-			Stainless steel	0,17
-	19 x 5 / 3/4"	G 3/4"	Brass	0,16
-			Stainless steel	0,16
-		G 1"	Brass	0,18
-			Stainless steel	0,18
-	19 x 6 / 3/4"	G 3/4"	Brass	0,17
-			Stainless steel	0,17
-		G 1"	Brass	0,19
-			Stainless steel	0,19
-	25 x 5 / 1"	G 1"	Brass	0,21
-			Stainless steel	0,22
-		G 1 1/4"	Brass	0,27
-			Stainless steel	0,29
-	25 x 6 / 1"	G 1"	Merssing	0,24
-			Stainless steel	0,25
-		G 1 1/4"	Brass	0,31
-			Stainless steel	0,32
-	32 x 6	G 1 1/4"	Brass	0,38
-	38 x 6,5	G 1 1/2"	Brass	0,60



Father part shell screw connections according to. EN ISO 14420-2-3-5 (DIN 2817)

On one side external thread, on the other side pressed aluminium shells. Suitable for 25 bar operating pressure (PN 25).



Nozzle-shell screw connections according to. EN ISO 14420-2-3-5 (DIN 2817)

On one side external thread, on the other side pressed aluminium shells. Suitable for 25 bar operating pressure (PN 25).

Article Number	Nominal Sizes (mm / Inch)	Thread	Material	Weight (kg/Piece)
-	13 x 5 / 1/2"	G 1/2"	Brass	0,19
-			Steel	0,18
-			Stainless steel	0,18
-		G 3/4"	Brass	
-			Stainless steel	
-		1/2"NPT M 22 x 1,5	Brass	0,19
-			Steel	0,20
-			Brass	0,24
-		G 3/4"	Stainless steel	0,23
-	19 x 6 / 3/4"	G 3/4"	Brass	0,21
-			Steel	0,23
-			Stainless steel	0,20
-		3/4"NPT M 30 x 1,5	Brass	0,27
-			Steel	0,26
-			Brass	0,24
-		G 1"	Stainless steel	0,24
-	25 x 6 / 1"	G 1"	Brass	0,26
-			Steel	0,32
-			Stainless steel	0,28
-		1"NPT 1"NPS M 38 x 1,5	Brass	0,26
-			Steel	0,37
-			Brass	0,32
-		G 1 1/4"	Steel	0,37
-			Stainless steel	0,34
-		G 1 1/2"	Brass	0,42
-			Stainless steel	0,43
-	32 x 6 / 1 1/4"	G 1 1/4"	Brass	0,33
-			Steel	0,39
-			Stainless steel	0,35
-		1 1/4"NPT 1 1/4"NPS M 45 x 1,5	Brass	0,33
-			Steel	0,45
-			Brass	0,41
-		G 1 1/2"	Stainless steel	0,44
-	32 x 6 / 1 1/4"	G 2"	Brass	0,58
-			Stainless steel	0,56
-	36 x 6	G 1 1/2"	Brass	0,43
-		G 2"	Brass	0,58
-	38 x 6,5 / 1 1/2"	G 1 1/2"	Brass	0,41
-			Steel	0,46
-			Stainless steel	0,42
-		1 1/2"NPT 1 1/2"NPS M 52 x 1,5	Brass	0,40
-			Steel	0,47
-			Brass	0,55
-		G 2"	Stainless steel	0,58
-	40 x 7	G 1 1/2"	Brass	0,55
-			Stainless steel	0,55
-		G 2"	Brass	0,65
-			Stainless steel	0,70
-	45 x 7	G 2"	Brass	0,75
-	50 x 8 / 2"	G 2"	Brass	0,72
-			Steel	0,85
-			Stainless steel	0,71
-		2"NPT 2"NPS M 65 x 2	Brass	0,72
-			Steel	0,83
-			Brass	0,93
-		G 2 1/2"	Stainless steel	0,98
-	63 x 8,65 x 7 / 2 1/2"	G 2 1/2"	Brass	1,20
-			Stainless steel	1,20
-		2 1/2"NPS M 78 x 2 G 3"	Brass	1,45
-	75 x 8 / 3"	G 3"	Brass	1,60
-			Steel	1,40
-			Stainless steel	1,52
-		3"NPS M 90 x 2	Brass	1,55
-		5 1/2"DIN 11	Brass	5,30
-			Stainless steel	5,10
-			Aluminium	2,45
-	80 x 8	G 3" M 100 x 2	Brass	1,55
-	100 x 8 / 4"	G 4"	Brass	3,85
-			Stainless steel	3,90
-			Brass	3,85
-		4"NPS 5 1/2"DIN 11	Brass	5,60
-			Steel	6,20
-			Stainless steel	5,00
-			Aluminium	3,10



Dairy pipe fitting with external thread made of stainless steel *

Smooth threaded connection (milk thread RD) for shell binding with safety collar.

Hose connection is by means of clamping shells according to EN 14420-3 (DIN 2817). Suitable for use in the chemical, pharmaceutical and food industries.

Article Number	Nominal Size (DN)	Milk Thread RD	For hose (Ø mm)	Weight (kg/Piece)
-	25	52 x 1/6"	25	
-	32	58 x 1/6"	32	
-	40	65 x 1/6"	38	
-	50	78 x 1/6"	51	
-	65	95 x 1/6"	63	
-	80	110 x 1/4"	75	
-	100	130 x 1/4"	100	



* Ohne Klemmschalen. Je nach Bedarf mit EPDM oder NBR-Dichtung erhältlich.

Dairy pipe screw connection with stainless steel union nut *

Smooth tapered socket for shell binding with union nut and locking collar, DIN 11851.

Hose connection by means of clamping shells according to EN 14420-3 (DIN 2817). Suitable for use in the chemical, pharmaceutical and food industries.

Article Number	Nominal Size (DN)	Milk Thread RD	For hose (Ø mm)	Weight (kg/Piece)
-	25	52 x 1/6"	25	
-	32	58 x 1/6"	32	
-	40	65 x 1/6"	38	
-	50	78 x 1/6"	51	
-	65	95 x 1/6"	63	
-	80	110 x 1/4"	75	
-	100	130 x 1/4"	100	



* Without clamping shells.

Stainless steel union nut *

Union nut with female thread (milk thread RD) for tapered connections, DIN 11851. suitable for use in the chemical, pharmaceutical and food industries.

Article Number	Nominal Size (DN)	Milk Thread RD	External Ø (mm)	Weight (kg/Piece)
-	25	52 x 1/6"	63	
-	32	58 x 1/6"	70	
-	40	65 x 1/6"	78	
-	50	78 x 1/6"	92	
-	65	95 x 1/6"	112	
-	80	110 x 1/4"	127	
-	100	130 x 1/4"	148	



Threaded screw-in socket RD x G External thread according to DIN

Milk-threaded connection piece RD with external thread for screwing in made of stainless steel. Suitable for the application in the chemical, pharmaceutical and food industry.

Article Number	Nominal Size (DN)	Milk Thread RD	External Thread (Inch)	Weight (kg/Piece)
-	25	52 x 1/6"	1"	
-	32	58 x 1/6"	1 1/4"	
-	40	65 x 1/6"	1 1/2"	
-	50	78 x 1/6"	2"	
-	65	95 x 1/6"	2 1/2"	
-	80	110 x 1/4"	3"	
-	100	130 x 1/4"	4"	



* Available with EPDM or NBR seal as required.

Blind threaded socket for tapered socket according to DIN 11851

Blind thread connection piece (milk thread RD) for closing tapered connection pieces with Union nut. Suitable for use in the chemical, pharmaceutical and food industry.

Article Number	Nominal Size (DN)	Milk Thread RD	Weight (kg/Piece)
-	25	52 x 1/6"	
-	32	58 x 1/6"	
-	40	65 x 1/6"	
-	50	78 x 1/6"	
-	65	95 x 1/6"	
-	80	110 x 1/4"	
-	100	130 x 1/4"	



Dummy cone for threaded connection according to DIN 11851

Blind cone (dairy pipe thread) for closing threaded connections. Suitable for the Application in the chemical, pharmaceutical and food industry.

Article Number	Nominal Size (DN)	Outer ø (mm)	Weight (kg/Piece)
-	25	44	
-	32	50	
-	40	56	
-	50	68	
-	65	86	
-	80	100	
-	100	120	



Other dairy pipe articles, such as hose nozzles with twisted spout



Steam shell union to EN 14426

Steam shell union with outer thread for steam hoses. High-pressure shell unions to EN 14423 for high-pressure compressed air and steam hoses. Heavy design with brass shell clamps for up to +230 °C/max. 18 bar, flat sealing. Thread to DIN ISO 228*/BSP.

Advantages of the shell clamp system

The connection between the shell socket with safety collar, shell clamp systems to EN 14423, and the matching hose is considered one of the highest-quality connections. With the hose correctly sized, the safety bar of the shell clamp will reach far enough into the safety collar of the hose socket. The four hexagon socket screws of the shell clamps will achieve a high clamping force on the ribbing of the shell clamp, pressing the hose onto the fitting. Not only the simple and quick assembly with standard tools is another advantage, but so is the low risk of injury since there are no sharp edges anywhere in the connection.

Also available in stainless steel or galvanised steel on request; shells either in stainless steel or brass.

- **Type:** Shell clamps, hose grommet
- **Material:** Brass
- **Connection:** Outer thread, hose socket with SB
- **Special feature:** EN 14423, Set
The properties table comprises all filters, incl. all of their versions. Observe the technical data for the specific version if applicable



Article Number	Outer thread in inches	For hose dimensions	Approx. weight g/pc.
9500XXXXXX	1/2" (21,0 mm)	13,0 x 6,0	440
9500XXXXXX	3/4" (26,4 mm)	19,0 x 7,0	730
9500XXXXXX	1" (33,3 mm)	25,0 x 7,5	870
9500XXXXXX	1 1/4" (41,9 mm)	32,0 x 8,0	1200
9500XXXXXX	1 1/2" (47,8 mm)	38,0 x 8,0	1950
9500XXXXXX	2" (59,6 mm)	50,0 x 9,0	2550

Steam hose fitting to EN 14423

High-pressure compression fittings to EN 14423 for high-pressure compressed air and steam hoses. Heavy-duty design with brass clamping shells for max. +230°C / max. 18 bar, with union nut internal thread, flat sealing. Thread according to DIN 228/ BS.

Advantages of the shell clamp system

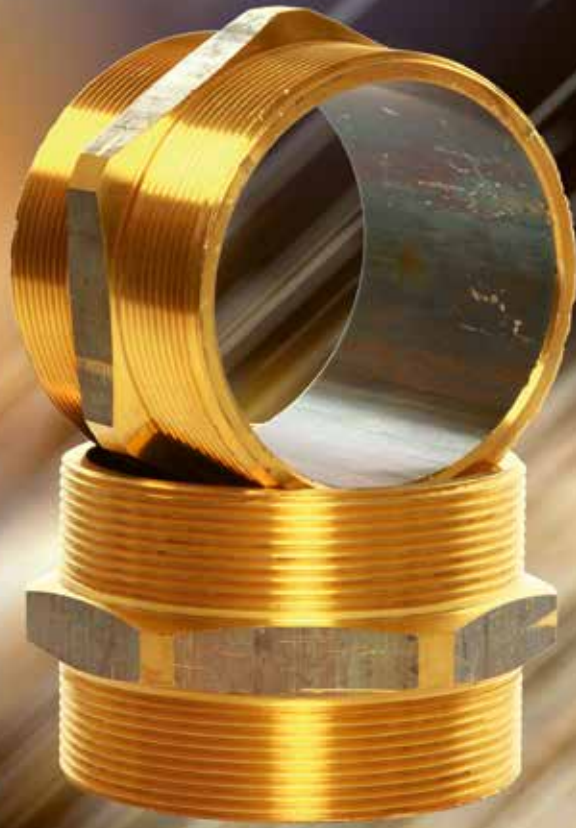
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Also available in stainless steel or galvanised steel on request; shells either in stainless steel or brass.

- **Type:** Shell clamps, hose grommet
- **Material:** Brass
- **Connection:** Inner thread, hose socket with SB
- **Special feature:** EN 14423, Set
The properties table comprises all filters, incl. all of their versions. Observe the technical data for the specific version if applicable



Article Number	Outer thread in inches	For hose dimensions	Approx. weight g/pc.
9500XXXXXX	1/2" (18,7 mm)	13,0 x 6,0	460
9500XXXXXX	3/4" (24,2 mm)	19,0 x 7,0	740
9500XXXXXX	1" (30,3 mm)	25,0 x 7,5	880
9500XXXXXX	1 1/4" (39,0 mm)	32,0 x 8,0	1150
9500XXXXXX	1 1/2" (44,9 mm)	38,0 x 8,0	2000
9500XXXXXX	2" (56,7 mm)	50,0 x 9,0	2500



ADAPTERS



TRANSITION PIECES

Transition pieces are fittings that connect two connection fittings with each other or seal one connection fitting against the environment. A distinction is made in detail:

Double nipple - with identical male thread on both sides

Reduction nipple - with unequal external threads,

Reducers - with a female thread on one side and a male thread on the other

Sockets - with the same internal thread on both sides

Reducing sleeves - with unequal internal threads

Weld-on nipple - with a weld-on end on one side and a male thread on the other

Flange threaded nipple - with a fixed flange on one side and a male thread on the other side

Blanking plug - a closure with external thread

Dummy caps - a closure with internal thread

Double nipple

Same external thread on both sides.

Article Number	Thread	Material	Weight (kg/piece)
-	G 1/2"	Brass	0,05
-		Stainless steel	0,05
-	G 3/4"	Brass	0,08
-		Stainless steel	0,07
-	G 1"	Brass	0,13
-		Stainless steel	0,13
-	G 1 1/4"	Brass	0,16
-		Stainless steel	0,16
-	G 1 1/2"	Brass	0,21
-		Stainless steel	0,25
-	G 2"	Brass	0,39
-		Stainless steel	0,33
-		Aluminium	0,10
-	G 2 1/2"	Brass	0,77
-		Stainless steel	0,55
-		Aluminium	0,12
-	G 3"	Brass	0,67
-		Stainless steel	0,62
-		Aluminium	0,20
-	G 4"	Brass	1,70
-		Stainless steel	1,05
-		Aluminium	0,34
-	5 1/2" DIN 11	Brass	5,15
-		Aluminium	1,80



Reducer

With unequal external threads.

Article Number	Thread		Material	Weight (kg/piece)
	inside	outside		
-	G 1/2"	G 1/2"	Brass	0,06
-		G 3/4"	Brass	0,11
-			Stainless steel	0,10
-	G 3/4"	G 3/4"	Brass	0,07
-		G 1"	Brass	0,13
-			Stainless steel	0,14
-	G 1"	G 3/4"	Brass	0,09
-			Stainless steel	0,09
-		G 1"	Brass	0,08
-		1"NPT	Brass	0,11
-		G 1 1/4"	Brass	0,15
-			Stainless steel	0,14
-		G 1 1/2"	Brass	0,23
-			Stainless steel	0,21
-		G 2"	Brass	0,24
-			Stainless steel	0,32
-	1"NPT	G 1"	Brass	0,15
-	G 1 1/4"	G 1"	Brass	0,14
-			Stainless steel	0,13
-		G 1 1/4"	Brass	0,15
-		G 1 1/2"	Brass	0,24
-			Stainless steel	0,22
-		G 2"	Brass	0,31
-			Stainless steel	0,27
-	G 1 1/2"	G 1"	Brass	0,25
-			Stainless steel	0,23
-		G 1 1/4"	Brass	0,23
-			Stainless steel	0,22
-		G 1 1/2"	Brass	0,25
-		G 2"	Brass	0,27
-			Stainless steel	0,21
-	G 2"	G 1"	Brass	0,30
-			Stainless steel	0,27
-		G 1 1/4"	Brass	0,32
-			Stainless steel	0,25
-		G 1 1/2"	Brass	0,35
-			Stainless steel	0,26
-		G 2"	Brass	0,37
-		2"NPT	Brass	0,52
-		G 2 1/2"	Brass	0,52
-			Stainless steel	0,40
-		G 3"	Brass	0,41
-			Stainless steel	0,63
-	2"NPT	G 2"	Brass	0,39
-	G 2 1/2"	G 2"	Brass	0,53



Article Number	Thread inside	Thread outside	Material	Weight (kg/piece)
-	G 2 1/2"	G 2"	Stainless steel	0,44
-		G 2 1/2"	Brass	0,64
-		G 3"	Brass	0,48
-			Stainless steel	0,50
-	G 3"	G 2"	Brass	0,85
-			Stainless steel	0,53
-		G 2 1/2"	Brass	0,82
-			Stainless steel	0,56
-		G 3"	Brass	0,78
-		3"NPT	Brass	0,87
-		G 4"	Brass	0,98
-			Stainless steel	1,05
-		5 1/2"DIN 11	Brass	2,50
-			Stainless steel	3,40
-			Aluminium	0,89
-	3"NPT	G 3"	Brass	0,96
-	G 4"	G 3"	Brass	0,93
-			Stainless steel	1,15
-		G 4"	Brass	1,60
-		4"NPT	Brass	1,35
-		5 1/2"DIN 11	Brass	3,55
-			Stainless steel	2,95
-			Aluminium	1,45
-	4"NPT	G 4"	Brass	1,55
-	5 1/2"DIN 11	G 2"	Brass	2,90
-			Stainless steel	2,60
-		G 3"	Brass	2,95
-			Stainless steel	2,55
-			Aluminium	0,96
-		G 4"	Brass	2,85
-			Stainless steel	2,40
-			Aluminium	0,97

Reducing sleeves

With unequal internal threads.

Article Number	Thread inside	Thread outside	Material	Weight (kg/piece)
710.100150.113	G 1"	G 1 1/2"	Brass	0,27
710.100200.113		G 2"	Brass	0,38
710.125150.113	G 1 1/4"	G 1 1/2"	Brass	0,37
710.125200.113		G 2"	Brass	0,45
710.150200.113	G 1 1/2"	G 2"	Brass	0,38
710.150250.113		G 2 1/2"	Brass	0,49
710.200250.113	G 2"	G 2 1/2"	Brass	0,63
710.200300.113		G 3"	Brass	0,63
710.250300.113	G 2 1/2"	G 3"	Brass	0,72
710.300400.113	G 3"	G 4"	Brass	1,55



Reduction nipple

With unequal external threads.

Article Number	Thread		Material	Weight (kg/piece)
	inside	outside		
-	G 1/2"	G 3/4"	Brass	0,09
-			Stainless steel	0,08
-	G 3/4"	G 1"	Brass	0,14
-			Stainless steel	0,13
-	G 1"	M 38 x 1,5	Brass	0,16
-		G 1 1/4"	Brass	0,22
-			Stainless steel	0,20
-		G 1 1/2"	Brass	0,22
-			Stainless steel	0,25
-		G 2"	Brass	0,31
-			Stainless steel	0,47
-	G 1 1/4"	M 45 x 1,5	Brass	0,22
-		G 1 1/2"	Brass	0,24
-			Stainless steel	0,22
-		G 2"	Brass	0,34
-			Stainless steel	0,41
-	G 1 1/2"	M 52 x 1,5	Brass	0,30
-		G 2"	Brass	0,32
-			Stainless steel	0,35
-	G 2"	M 65 x 1,5	Brass	0,57
-		G 2 1/2"	Brass	0,62
-			Stainless steel	0,69
-		G 3"	Brass	0,66
-			Stainless steel	0,72
-			Aluminium	0,17
-	G 2 1/2"	M 78 x 2	Brass	0,49
-		G 3"	Brass	0,85
-			Stainless steel	0,59
-	G 3"	M 90 x 2	Brass	0,77
-		G 4"	Brass	0,79
-			Stainless steel	1,05
-			Aluminium	0,27
-		5 1/2"DIN 11	Brass	2,90
-			Stainless steel	3,75
-			Aluminium	1,00
-	G 4"	5 1/2"DIN 11	Brass	4,45
-			Stainless steel	2,95
-			Aluminium	1,35



Sleeves

Same internal thread on both sides.

Article Number	Thread	Material	Weight (kg/piece)
700.100100.130	G 1"	Brass	0,11
700.125125.130	G 1 1/4"	Brass	0,17
700.150150.130	G 1 1/2"	Brass	0,28
700.200200.130	G 2"	Brass	0,35
700.250250.130	G 2 1/2"	Brass	0,70
700.300300.130	G 3"	Brass	0,65
700.400400.130	G 4"	Brass	1,55



Blanking caps

One side internal thread, other side knob for chain.

Article Number	Thread	Material	Weight (kg/piece)
-	G 1/2"	Brass	0,02
-		Stainless steel	0,04
-	G 3/4"	Brass	0,02
-		Stainless steel	0,05
-	G 1"	Brass	0,04
-		Stainless steel	0,07
-	G 1 1/4"	Brass	0,14
-		Stainless steel	0,10
-	G 1 1/2"	Brass	0,19
-		Stainless steel	0,18
-	G 2"	Brass	0,30
-		Stainless steel	0,36
-	G 2 1/2"	Brass	0,24
-		Stainless steel	0,49
-	G 3"	Brass	0,51
-		Stainless steel	0,73
-	G 4"	Brass	1,05
-		Stainless steel	1,20
-	5 1/2" DIN 11	Brass	2,50
-		Stainless steel	2,50
-		Aluminium	0,81



Dummy plug

External thread on one side, knob for chain on the other.

Article Number	Thread	Material	Weight (kg/piece)
-	G 1"	Brass	
-	G 1 1/4"	Brass	
-	G 1 1/2"	Brass	
-	G 2"	Brass	
-	G 2 1/2"	Brass	
-	G 3"	Brass	
-	5 1/2" DIN 11	Brass	
-		Aluminium	



Weld-on nipple

Male thread on one side, welding end on the other

Article Number	Thread	Dimensions (mm) D x d x L *	Material	Weight (kg/piece)
-	R 1/2"2999	21 x 13 x 35	Steel	0,06
-			Stainless steel	0,06
-			Aluminium	0,02
-	1/2"NPT	21 x 13 x 35	Steel	0,06
-	R 3/4"2999	27 x 18 x 35	Steel	0,07
-			Stainless steel	0,07
-			Aluminium	0,03
-	3/4"NPT	27 x 18 x 35	Steel	0,08
-	G 1"	33 x 23 x 35	Steel	0,12
-			Stainless steel	0,12
-			Aluminium	0,04
-	1"NPT	33 x 23 x 35	Steel	0,13
-	G 1 1/4"	42 x 32 x 35	Steel	0,14
-			Stainless steel	0,14
-			Aluminium	0,05
-	1 1/4"NPT	42 x 32 x 45	Steel	0,18
-	G 1 1/2"	48 x 38 x 35	Steel	0,18
-			Stainless steel	0,18
-			Aluminium	0,06
-	1 1/2"NPT	48 x 38 x 45	Steel	0,26
-	G 2"	60 x 48 x 45	Steel	0,32
-			Stainless steel	0,32
-			Aluminium	0,11
-	2" NPT	60 x 48 x 45	Steel	0,33
-	G 2 1/2"	75 x 63 x 45	Steel	0,41
-			Stainless steel	0,41
-			Aluminium	0,12
-	2 1/2"NPT	75 x 63 x 60	Steel	0,46
-	G 3"	89 x 75 x 45	Steel	0,50
-			Stainless steel	0,55
-			Aluminium	0,21
-	3"NPT	89 x 75 x 60	Steel	0,71
-	G 4"	114 x 100 x 45	Steel	0,72
-			Stainless steel	0,52
-			Aluminium	0,31
-	4"NPT	114 x 100 x 60	Steel	0,93
-	5 1/2"DIN 11	140 x 122 x 60	Steel	1,60
-		140 x 100 x 45	Stainless steel	2,05
-	G 5"	140 x 122 x 60	Steel	1,20
-	5"NPT	142 x 127 x 60	Steel	1,15
-	G 6"	165 x 147 x 60	Steel	1,65
-	6"NPT	168 x 150 x 60	Steel	2,05





CLAMPS



Worm Drive Clamps

Symmetrical housing according to DIN 3017. 9 mm bandwidth.

Article Number	Clamping range (mm)	Material	VE (Stk.)
8200.012012	8 - 12	Steel, galvanized	50
8200.016016	10 - 16	Steel, galvanized	50
8200.020020	12 - 20	Steel, galvanized	50
-	12 - 22	Steel, galvanized	50
8200.025025	16 - 27	Steel, galvanized	50
8200.032032	20 - 32	Steel, galvanized	50
-	23 - 35	Steel, galvanized	50
8200.040040	25 - 40	Steel, galvanized	50
-	30 - 45	Steel, galvanized	25
8200.050050	32 - 50	Steel, galvanized	25
8200.060060	40 - 60	Steel, galvanized	25
8200.070070	50 - 70	Steel, galvanized	25
8200.080080	60 - 80	Steel, galvanized	25
8200.090090	70 - 90	Steel, galvanized	25
-	80 - 100	Steel, galvanized	25
8200.110110	90 - 110	Steel, galvanized	25
-	100 - 120	Steel, galvanized	25
8200.130130	110 - 130	Steel, galvanized	25
-	120 - 140	Steel, galvanized	25
8200.160160	140 - 160	Steel, galvanized	25
-	180 - 200	Steel, galvanized	25
-	230 - 250	Steel, galvanized	25
-	280 - 300	Steel, galvanized	25

Other sizes or materials on request.



2-ear clamps

8 mm wide.

Article Number	Size (mm)	Material	VE (Stk.)
8100.015017	11 - 13	Steel, galvanized	100
8100.015018	14 - 17	Steel, galvanized	100
8100.017020	17 - 20	Steel, galvanized	100
-	18 - 21	Steel, galvanized	100
-	20 - 23	Steel, galvanized	100
-	22 - 25	Steel, galvanized	100
-	23 - 27	Steel, galvanized	100
-	25 - 28	Steel, galvanized	100
-	28 - 31	Steel, galvanized	100
-	31 - 34	Steel, galvanized	100
-	34 - 37	Steel, galvanized	100
-	37 - 40	Steel, galvanized	100
-	40 - 43	Steel, galvanized	100
-	43 - 46	Steel, galvanized	100

Other sizes or materials on request.



Hinge bolt clamps

Solid round bolts, stable bands. Hardened screws with external hexagon.

Article Number	Clamping range (mm)	Bandwidth (mm)	Material	VE (Stk.)
8260.000000	17 - 19	18 / M 5	Steel, galvanized	50
-	20 - 22	18 / M 5	Steel, galvanized	50
-	23 - 25	18 / M 5	Steel, galvanized	50
-	26 - 28	18 / M 5	Steel, galvanized	50
-	29 - 31	18 / M 5	Steel, galvanized	50
-	32 - 35	20 / M 6	Steel, galvanized	50
-	36 - 39	20 / M 6	Steel, galvanized	50
-	40 - 43	20 / M 6	Steel, galvanized	50
-	44 - 47	20 / M 6	Steel, galvanized	50
-	48 - 51	20 / M 6	Steel, galvanized	50
-	52 - 55	20 / M 6	Steel, galvanized	25
-	56 - 59	20 / M 6	Steel, galvanized	25
-	60 - 63	20 / M 6	Steel, galvanized	25
-	64 - 67	25 / M 8	Steel, galvanized	25
-	68 - 73	25 / M 8	Steel, galvanized	25
-	74 - 79	25 / M 8	Steel, galvanized	25
-	80 - 85	25 / M 8	Steel, galvanized	25
-	86 - 91	25 / M 8	Steel, galvanized	25
-	92 - 97	25 / M 8	Steel, galvanized	25
-	98 - 103	25 / M 8	Steel, galvanized	24
-	104 - 112	25 / M 8	Steel, galvanized	24
-	113 - 121	25 / M 8	Steel, galvanized	20
-	122 - 130	25 / M 8	Steel, galvanized	16
-	131 - 139	25 / M 8	Steel, galvanized	16
-	140 - 148	25 / M 8	Steel, galvanized	12
-	149 - 161	25 / M 8	Steel, galvanized	8
-	162 - 174	25 / M 8	Steel, galvanized	8
-	175 - 187	25 / M 8	Steel, galvanized	8
-	188 - 200	25 / M 8	Steel, galvanized	5
-	201 - 213	25 / M 8	Steel, galvanized	5
-	214 - 226	25 / M 8	Steel, galvanized	5
-	227 - 239	25 / M 8	Steel, galvanized	5
-	240 - 252	25 / M 8	Steel, galvanized	5

Other sizes or materials on request.



Prefabricated clamps

Article Number	Size (mm / Inch)	Operating Pressure (bar)	Material	VE (Stk.)
7490.000019	19 / 3/4"	10	Steel, galvanized	100
7490.000025	25 / 1"	10	Steel, galvanized	100
7490.000035	35 / 1 3/8"	10	Steel, galvanized	100
7490.000050	50 / 2"	10	Steel, galvanized	100
7490.000075	75 / 3"	10	Steel, galvanized	100
7490.000042	42 / 45»	10	Steel, galvanized	100

Other sizes or on request.



Malleable cast iron clamps DIN 20039, two-piece with loose tongues

Hose clamps made of malleable cast iron, zinc plated and yellow passivated (Chrome-VI-free).

Article Number	For Hose (mm / Inch)	Clamping range	PN (bar)	Weight (kg/piece)
-	13 / 1/2"	22 - 29	16	128
-	19 / 3/4"	28 - 34	16	134
-	25 / 1"	32 - 40	16	188
-	32 / 1 1/4"	39 - 49	16	244
-	38 / 1 1/2"	48 - 60	16	297
-	50 / 2"	56 - 72	16	340
-	50 / 2"	60 - 76	16	374
-	63 / 2 1/2"	77 - 94	16	556
-	75 / 3"	89 - 101	16	665
-	75 / 3"	94 - 115	16	739
-	89 / 3 1/2"	113 - 127	16	890
-	89 / 3 1/2"	115 - 145	16	1046
-	100 / 4"	127 - 140	16	972
-	100 / 4"	135 - 155	16	984
-	125 / 5"	155 - 175	16	1130
-	150 / 6"	175 - 195	16	1445
-	175 / 7"	210 - 225	16	2163
-	200 / 8"	227 - 250	16	2610



Malleable cast iron clamps DIN 20039, two-piece with loose tongues and locking claws

Hose clamps made of malleable cast iron, zinc plated and yellow passivated (free of chrome VI). ★ For flat hose.

Article Number	For Hose (mm / Inch)	Clamping range	PN (bar)	Weight (kg/piece)
-	13 / 1/2"	22 - 29	25	142
-	19 x 2 *		25	140
-	19 / 3/4"	28 - 32	25	220
-	25 x 2 *		25	220
-	25 / 1"	35 - 42	25	272
-	28 / 1 7/64"	42 - 45	25	340
-	35 / 1 3/8"	45 - 53	25	380
-	42 / 1 5/8"	55 - 60	25	416
-	50 / 2"	60 - 73	25	637
-	75 / 3"	86 - 102	25	860



Malleable cast iron clamps, two-piece with overlapping cast-on tongues

Hose clamps made of malleable cast iron, zinc plated and yellow passivated (Chrome-VI-free).

Article Number	For Hose (mm / Inch)	Clamping range	PN (bar)	Weight (kg/piece)
-	13 / 1/2"	17 - 22	16	95
-	19 / 3/4"	27 - 32	16	105



Brass clamping shells according to DIN EN 14 423

High-quality, robust clamping shells made of brass for use with hot water and saturated steam.

Article Number	DN	For Hose (mm)	Screws (mm)	Width	Height	Weight (kg/Piece)
-	15	13 x 6	M 6 x 20	53	65	336
-	20	19 x 7	M 8 x 25	68	65	499
-	25	25 x 7,5	M 8 x 25	77	65	742
-	40	38 x 8	M 10 x 40	101	90	1430
-	50	50 x 9	M 10 x 40	111	100	1756



Aluminium clamping shells according to DIN EN 14 420-3

High-quality, robust clamping shells made of aluminium (forged). For up to PN 25 bar operating pressure.

Article Number	DN	For Hose (mm)	Hose outside ø (mm)	Width	Height	Weight (kg/Piece)
-	20	19 x 6	30 - 33	63	50	142
-	25	25 x 6	36 - 39	69	50	151
-	32	32 x 6	43 - 46	76	50	162
-	40	38 x 6,5	50 - 53	83	50	167
-	50	50 x 8	63 - 67	102	56	310
-	80	75 x 8	89 - 93	132	76	486



Press sleeves

Press sleeves made of annealed steel, galvanized and yellow passivated. Maximum operating pressure PN 16 bar.

For higher operating pressures we recommend hydraulic pressing with turned steel pressing sleeves or on request.

Article Number	Inside ø	For Hose (mm)			Weight (kg/Piece)
		DIN 20018	Water	PVC-Fabrics	
-	12,5				3
-	13,5			6 x 3	5
-	14,5	6 x 3,5			5
-	16			8 x 3	5
-	18	9 x 3,5		10 x 3	7
-	19			12 x 3	9
-	19,5				10
-	21				12
-	22				16
-	23		13 x 3		18
-	25	13 x 5			19
-	28	15 x 6			22
-	30,5		19 x 4		24
-	33	19 x 6			40
-	38		25 x 4,5		47
-	41	25 x 7			64



TECHNICAL DATA - MATERIAL PROPERTIES

MaterialNAME MaterialGRUPPE DER SCHLAUCHINNENSCHICHT	Polyvinylchlorid PVC	Polyurethan Rubber PUR	Nature- Rubber NR	Styreen Butadienw Rubber SBR
Max. Temperature range °C				
- dry air	+60°C	+80°C	+70°C	+70°C
- Hot oil	--	+60°C	---	---
- Hot water	+60°C	+40°C	+70°C	+80°C
Minim. Temperature range °C				
	-10°C moderate	-20°C	-40°C	-30°C
General resistance to:				
- mineral oils and fats	moderate	well	low	low
- animal and vegetable oils and fats	well low/moderate	well moderate	low/moderate moderate/good	low/moderate moderate/good
- Acids diluted concentrated		low	moderate/good	moderate/good
- Solvents Alifate, gasoline, etc. aromatics; toluene, benzene, etc. esters, ether, alcohol chlorinated; Tetra, Tri, etc.	low low low low	moderate/good low low low	low low well low	low low well low
- Water absorption	well	very well	very well	good/very good
- Sunlight + Ozone	low/good	very well	low	low/moderate
Elasticity	well	well	excellent	well
Dimensional stability	low	moderate	well	well
Wear resistance	well	excellent	excellent	very well
Permeability	low	quite small	quite small	quite small
Electrical Insulation	well	well	good/very good	good/very good
Hardness range (Shore A)	60 - 85	50 A - 75 D	30 - 90	40 - 90
Flame resistance	bad	bad	low	low
Tensile strength	20 - 30 Mpa	20 - 30 Mpa	18 - 30 Mpa	15 - 25 Mpa
specific characteristics	Resistant to chemicals, light in weight, colourfast, food safe (option) physiological- ly harmless	elastic, high mecha- nical strength, wear resistant, ozone and oxidation resistant. Oil and petrol resistant, gastight and notch- tough, chemical permanent	elastic, cold resistant, wear resistant, Acids with low concentration. Water and Alcohol with low temperature	oil-containing air, Water, industrial water, Glycol
thermal attributes	-35°C / +70°C	-30°C / +90°C	-60°C / +80°C	-50°C / +100°C

MATERIAL PROPERTIES - TECHNICAL DATA

Ethylene Propylene Rubber	Acrylonitrile butadiene Rubber (nitriles)	Chloroprene Rubber (neoprene)	Silicones Rubber	Networked Polyethylene
EPDM	NBR	CR	SI (Q)	UPE / XLPE
+120°C - - - +140°C	+90°C +120°C +90°C	+90°C +60°C +70°C	+180°C -- +100°C	+66°C +60°C +66°C
-50°C	-20°C	-30°C	-60°C	-50°C
low	excellent	well	moderate	good up to 60°C
well excellent well	excellent well moderate/good	well excellent well	moderate excellent moderate	well excellent excellent
low low excellent moderate/low excellent awarded	excellent well bad moderate well moderate	moderate/good moderate moderate/low low well excellent	low low moderate low excellent excellent	well well excellent well very well well
moderate/good	moderate/good	moderate/good	well	well
well	well	well	moderate	low
well	well	very well	low	moderate
quite small	low	low	quite small	low
excellent	bad	moderate/good	excellent	well
40 - 90	40 - 95	40 - 95	40 - 85	- - - - -
low	low	well	moderate	bad
10 - 20 Mpa	15 - 20 Mpa	15 - 20 Mpa	10 - 20 Mpa	30 - 35 Mpa
Heat resistant, Steam resistant, Ozone Ageing and UV-resistant, Chemicals permanent	petroleum products, Greases and fuels inorganic Acids at low concentration and Temperature	Resistant to chemicals, ageing-, Ozone and Weatherproof flame retardant	Temperature resistant Resistant to cold, Ozone resistant, odour and tasteless	Chemicals consistent, Resistant to oxidation, stable, gastight
-50°C / +160°C	-30°C / +100°C	-45°C / +100°C	-60°C / +200°C short-term up to 250°C	-50°C / +90°C

TECHNICAL DATA - MATERIAL PROPERTIES

MEDIUM	NBR	SBR	NR	PUR	UPE/ XLPE	PVC	EPDM
(Alpha) Methylstyrene (25°C)	C	-	C	-	A	-	C
Acetaldehyde	C	B	B	B	A	-	A
Acetamide	C	-	C	-	A	-	A
Acetone	C	A	A	-	A	-	A
Acetone nitrile	-	-	-	-	A	-	B
Acetophenone	C	-	C	-	A	-	A
Acetylacetone	C	-	C	-	A	-	A
Acrolein	C	-	C	-	A	-	A
Acrylonitrile	C	C	C	-	A	-	C
Acrylic acid	C	-	C	-	C	-	A
Adipic acid	A	A	A	-	A	-	A
Alum	A	B	A	A	A	40° A	A
Allyl alcohol	A	A	A	-	B	20° B	A
Aluminium Chloride	A	-	A	B	A	60° A	A
Aluminium Nitrate	A	-	A	-	B	-	A
Formic acid	C	B	C	-	A	-	A
Ammonium chloride	A	A	A	A	A	40° A	A
Ammonium hydroxide	A	-	A	-	A	40° A	A
Ammonium nitrate	A	A	A	A	A	40° A	-
Ammonium persulfate	A	-	A	B	A	-	A
Ammonium phosphate	A	A	A	A	A	60° A	A
Ammonium sulphate	A	A	A	A	A	60° A	A
Amylacetate	C	C	B	-	B	-	A
Amyl alcohol	A	A	A	B	A	40° A	A
Aniline	C	C	C	-	A	-	A
Anol (see cyclohexanol)	A	C	A	-	A	-	A
Anone (see cyclohexanone)	C	C	C	-	B	-	-
Ethanolamine	-	-	A	-	A	-	A
Ethenol	A	A	A	B	A	-	A
Ethyl acetate (cf. Acetal)	C	B	C	-	A	-	A
Ethyl acrylate	C	-	C	-	A	-	-
Ethyl alcohol (see ethanol)	A	A	A	B	A	-	A
Ethyl Ether	C	C	C	-	C	-	C
ethylbenzene (18°C)	C	C	C	-	B	-	C
Ethyl butyrate	C	-	C	-	A	-	A
Ethylene chloride (see dichloroethane)	C	C	C	-	A	-	C
Ethylene glycol monoethyl ether acetate	C	A	A	-	A	-	A
Ethylene glycol	A	A	A	B	A	60° A	A
Ethylene glycol monoethyl ether	A	-	A	-	A	-	A
Ethylmercaptan	C	-	C	-	A	-	-
Barium chloride	A	-	A	A	A	-	A
Benzaldehyde	C	B	C	C	A	-	-
Petrol (super fuel)	A	C	C	C	A	-	C
Gasoline with max. 60% benzene content	A	C	C	B	A	-	C
Benzene	C	C	C	C	A	-	C
Benzyl alcohol	C	-	A	-	A	20° B	A
Benzyl chloride (2 - 5°C)	C	-	C	-	C	-	C
Prussic acid (cf. hydrocyanic acid)	B	-	A	B	A	-	A
Lead acetate	A	A	A	A	A	60° A	A
Lead arsenate	A	-	A	A	A	-	A
Borax (see disodium tetraborate)	A	A	A	A	A	40° A	A
Bromine	C	C	C	B	C	-	C
Bromobenzene (25°C)	C	-	C	-	B	-	C
Hydrobromic acid (conc.)	C	-	C	C	C	20° A	A
Bunker oil, fuel oil 5	A	-	C	-	C	-	C
Butanol (cf. butyl alcohols)	A	A	A	C	A	40° A	A
butanone (see methyl ethyl ketone)	C	-	B	-	A	-	A
Butyric acid	C	-	C	-	A	-	A
Butyric acid Ethyl (see ethyl butyrate)	C	-	C	-	A	-	A
butyl acetate	C	C	C	-	A	-	A
Butyric aldehyde	C	-	C	-	A	-	A

RESISTANCE LIST - TECHNICAL DATA

MEDIUM	NBR	SBR	NR	PUR	UPE/ XLPE	PVC	EPDM
Butyl alcohols	A	-	A	C	A	40° A	A
Butyl ether	C	-	C	C	A	-	C
Calcium Chloride	A	A	A	A	A	40° A	A
Calcium hydroxide (lime water)	A	A	A	C	A	60° A	A
Calcium hypochlorite	C	C	A	-	A	40° A	A
Calcium nitrate	A	A	A	A	A	40° A	A
Calcium salts	A	-	A	-	A	-	A
Calcium sulphate	A	-	A	A	A	-	A
chlorobenzene (25°C)	C	C	C	C	B	-	C
Lead chloride lye (cf. sodium hypochlorite) 13%	C	C	C	B	B	40° A	A
chlorodifluoromethane (25°C)	-	-	-	-	-	-	-
Chloroacetic acid (25°C)	C	C	C	C	A	-	-
Chloroform (see trichloromethane)	C	C	C	C	A	-	C
Chlorosulfonic acid	C	C	C	C	C	-	-
Chlorine water (0.5% chlorine)	C	C	C	B	A	40° B	A
Hydrochloric acid (37%)	C	C	B	-	A	-	A
Chromic acid (25%-40°C)	C	C	C	-	A	40° A	B
Cyanide (see potassium cyanide)	A	A	A	B	A	60° A	A
Hydrocyanic acid	B	-	A	B	A	-	A
Cyclohexane	A	C	C	-	A	-	C
Cyclohexanol	A	C	A	C	A	60° A	A
Cyclohexanone	C	C	C	C	B	-	-
Cyclohexylamine	C	C	C	-	A	-	-
Decahydronaphthalene	A	C	C	A	A	-	C
Decalin (see decahydronaphthalene)	A	C	C	A	A	-	C
Diacetone alcohol	C	A	A	B	A	-	A
Diethylamine	C	C	C	B	A	20° B	-
Diethyl ether	C	C	C	-	C	-	C
Diethylene glycol	A	A	A	B	A	-	A
Dibutyl phthalate	C	C	C	B	A	-	A
Dibutylsebacate	C	C	C	C	A	-	A
Dichloroethane	C	C	C	-	A	-	C
dichloromethane (25°C)	C	C	C	C	C	-	C
Diesel fuel	A	C	C	B	A	40° A	C
Diglycol (see diethylene glycol)	A	A	A	B	A	-	A
Diisobutylene	-	C	C	-	A	-	C
Dimethylamine	C	C	C	-	A	20° B	-
Dimethylaniline	C	-	C	C	A	-	B
Dimethylformamide	C	C	A	B	A	-	A
Dimethyl sulfoxide	C	-	C	-	-	-	A
Dioctyl phthalate	C	C	C	-	A	-	A
Dioctylsebacate	C	C	C	B	A	-	A
Dioxane (cf. diethylene oxide 60°C)	C	B	C	C	A	-	A
Iron Chloride	A	A	A	B	A	-	A
Iron nitrate	A	-	A	-	A	-	A
Iron sulphate	A	-	A	B	A	-	A
Glacial acetic acid (see acetic acid 100%)	C	C	B	C	C	-	C
Epichlorohydrin	C	-	C	C	A	-	A
Acetic acid (100%)	-	C	C	C	C	-	C
Acetic acid (60%)	-	C	B	C	C	40° A	C
Acetic anhydride (20°C)	C	A	B	C	A	-	A
Fatty acids	A	-	C	A	B	60° A	C
Hydrofluoric acid (75%)	C	B	B	B	A	20° B	A
Hydrofluoric acid (75%) (see hydrofluoric acid)	C	B	B	B	A	20° B	B
formaldehyde solution (40%)	B	A	B	B	A	40° A	A
Furfural	C	-	A	-	A	-	A
Furfurol	C	-	A	-	A	-	A
Tannic acid (60°C)	C	A	A	C	A	20° B	A
Glucose	A	A	A	A	A	40° A	A
Glycols	A	A	A	B	A	60° A	A
Urea	A	A	A	B	A	40° A	A

TECHNICAL DATA - RESISTANCE LIST

MEDIUM	NBR	SBR	NR	PUR	UPE/ XLPE	PVC	EPDM
Fuel oil, type ASTM-A (Isooctane)	A	C	C	B	A	-	C
Fuel oil	A	C	C	B	A	20° A	C
Heptane	A	C	C	B	A	20° A	C
Hexane	A	C	C	B	A	20° A	C
Hexanols (see hexyl alcohol)	A	-	A	C	A	-	A
Hexyl alcohol	A	-	A	C	A	-	A
i-cresols (60%)	C	C	C	C	C	20° B	-
Isobutyl acetate	C	-	C	-	A	-	A
isophorones (20°C)	C	-	C	C	A	-	A
Isopropanol (see isopropyl alcohol)	A	A	A	B	A	20° A	A
Isopropyl alcohol	A	A	A	B	A	20° A	A
isopropylbenzene (40°C)	C	-	C	B	A	-	C
potassium bromate (10%)	A	A	A	-	A	40° A	A
Potassium carbonate	A	A	A	B	A	40° A	A
Potassium chlorate	A	B	A	A	A	60° A	A
Potassium chloride	A	A	A	A	A	60° A	A
Potassium cyanide	A	-	A	B	A	60° A	A
Potassium hydroxide solution	B	-	A	A	A	40° A	A
Potassium iodide	A	A	A	-	A	60° A	A
Potassium nitrate	A	A	A	A	A	60° A	A
Potassium permanganate (10%)	C	B	C	A	A	40° A	A
Potassium sulphate	A	B	A	A	A	40° A	A
Silica hydrofluoric acid (50%)	C	A	C	-	A	-	A
Saline solution (see brine)	A	A	A	B	A	40° A	A
Carbon dioxide gaseous	A	A	A	A	A	60° A	A
Carbonic acid gas	A	-	A	A	A	60° A	A
Cresolic acid	C	-	C	C	C	-	-
Copper acetate	A	-	C	-	A	-	A
Copper cyanide	A	-	C	B	A	-	A
Light Petrol	A	-	C	-	A	-	C
Magnesium Chloride	A	A	A	A	A	-	A
Magnesium Lye	A	-	A	A	A	-	A
Magnesium sulphate	A	A	A	A	A	-	A
Methanol (see methyl alcohol)	A	A	A	B	A	40° A	A
methyl acetate	C	-	C	C	A	-	A
methyl acrylate	C	C	C	-	A	-	-
Methyl alcohol	A	A	A	B	A	40° A	A
Methylamine (aqueous -30% -20°C)	C	B	A	-	A	20° B	B
Methyl chloride gaseous	C	C	C	C	B	-	C
methylene chloride (20°C cf. dichloromethane)	C	C	C	C	C	-	C
Methyl isobutyl ketone	C	C	C	C	A	-	A
Naphtha	A	C	C	B	A	-	C
naphthalene (90°C)	C	C	C	B	C	-	C
Sodium acetate	A	-	A	B	A	20° A	A
Sodium bisulfite	A	A	A	C	A	40° A	A
Sodium carbonate	A	A	A	B	A	60° A	A
Sodium chloride	A	A	A	B	A	40° A	A
Sodium cyanide (30%)	A	-	A	B	A	-	A
Sodium hydroxide (20%)	B	B	B	B	A	40° A	A
sodium hypochlorite (13%)	C	C	C	B	B	40° A	A
Sodium nitrate	A	A	A	A	A	40° A	A
Sodium perborate	A	-	A	-	A	-	A
Sodium phosphate	A	A	A	B	A	40° A	A
Sodium silicate	A	A	A	B	A	40° A	A
Sodium sulphate	A	A	A	A	A	40° A	A
Sodium sulfide	A	A	A	A	A	40° A	A
Sodium thiosulfate	A	A	A	B	A	40° A	A
Caustic soda (cf. sodium hydroxide 20%)	B	B	B	B	A	40° A	A
Nickel sulphate	A	A	A	B	A	-	A
nitrobenzene (40°C)	C	C	C	C	A	-	C
Nitropropane	C	B	B	C	A	-	A

RESISTANCE LIST - TECHNICAL DATA

MEDIUM	NBR	SBR	NR	PUR	UPE/ XLPE	PVC	EPDM
Octane	A	-	C	A	A	-	C
Oleum	C	C	C	C	C	-	C
Oleic acid	A	C	B	A	A	60° A	A
Oxalic acid (50°C)	B	B	A	C	A	60° A	A
Ozone	C	C	C	A	B	20° A	A
Palmitic acid	A	C	B	A	B	20° A	A
Paraffin (cf. alkanes)	A	C	C	B	A	40° A	B
perchloroethylene (20°C)	C	C	C	C	B	-	C
Petroleum Ether	A	C	C	B	A	60° A	C
Petroleum	A	C	C	A	A	20° A	C
Phenol (see carbolic acid 60°C)	C	C	C	C	B	20° B	A
phosphorus chloride (50°C)	C	C	B	-	A	-	B
phosphoric acid (60°C)	B	A	B	C	A	40° A	A
Picric acid (alcoholic solution)	B	B	B	C	A	20° A	A
Propanol (see propyl alcohol)	A	A	A	B	A	20° A	A
Propionic acid ethyl ester	C	C	A	-	A	40° A	A
Propylacetate	C	-	B	-	A	-	A
Propyl alcohol	A	A	A	B	A	20° A	A
Pyridine	C	C	C	C	A	-	B
Mercury	A	A	A	A	A	60° A	A
Mercury salts	A	A	A	-	A	40° A	A
Ammonia (cf. ammonia solution)	A	-	A	C	A	60° A	A
Nitric acid (60°C-20%)	C	C	C	C	A	-	B
Nitric acid (40°C-40%)	C	C	C	C	-	-	B
Nitric acid (fuming 100%)	C	C	C	C	C	-	C
Hydrochloric acid (20%)	B	-	B	-	A	40° A	A
Hydrochloric acid (37%)	C	-	B	C	A	40° A	A
Separating water (see nitric acid 100%)	C	C	C	C	C	-	C
Sulphur dioxide (dry 60%)	C	B	C	B	A	60° A	A
Sulphurous acid (10%)	C	B	C	B	A	20° B	A
Carbon disulfide	C	C	B	C	B	-	C
Sulphuric acid (50%-50°C)	C	B	B	B	A	C	A
Sulphuric acid (100%=smoking)	C	B	C	C	C	C	C
Sulphuric acid (75%-50°C)	C	B	C	C	A	C	B
Sulphuric acid (20%-50°C)	B	B	B	A	A	C	A
Sulphuric acid (96%-20°C)	C	B	C	C	A	C	C
Sulphuric anhydride (see sulphur trioxide)	C	-	-	C	C	-	B
Heavy gasoline (see naphthalene)	C	C	B	C	C	-	C
Silver salts	A	B	-	A	A	40° A	A
Silicone grease	A	A	A	A	A	-	A
Silicone oil	A	A	A	A	A	20° A	A
Stearic acid	A	A	A	A	A	60° A	A
Nitrogen, gaseous	A	A	A	A	A	-	A
Sulphury chloride	C	B	-	C	A	-	B
Tannin (see tannic acid)	C	A	C	C	A	20° B	A
Turpentine	A	C	C	C	A	20° A	C
White spirit (see White Spirit)	A	C	C	B	A	-	C
Tetrachloroethane	C	C	C	-	A	-	C
Carbon tetrachloride	C	C	C	B	C	-	C
Tetrahydrofuran	C	C	C	-	B	-	C
Tetralin	C	-	C	-	A	-	C
toluene (20°C)	C	C	C	C	B	-	C
Triethamine	A	-	C	-	A	-	C
triethanolamine (20°C)	A	C	A	C	A	20° B	A
Trichloroethylene	C	C	C	C	C	-	C
Trimethylamine	A	-	C	-	A	-	C
vinyl acetate	C	C	C	-	A	-	A
Water	A	A	A	A	A	A	A
hydrogen peroxide (35%)	C	C	B	B	A	40° A	B
Tartaric acid	A	A	A	A	A	-	A
White spirit	A	C	C	B	A	-	C

MEDIUM	ANBR	SBR	NR	PUR	UPE/ XLPE	PVC	EPDM
Xylene (mixture of isomers)	C	C	C	C	C	-	C
Zinc acetate	A	C	A	C	A	-	A
Zinc chloride	A	-	A	B	A	-	A
Zinc sulphate	A	-	A	B	A	-	A
Citric acid	A	A	A	A	A	40° A	A
Sugar	A	-	A	A	A	40° A	A

A: RESISTENT

B: CONDITIONALLY RESISTANT (NOT FOR CONTINUOUS OPERATION)

C: UNBESTÄNDIG

This resistance list does not claim to be complete and is for guidance only.

MATERIAL DESCRIPTION

NBR - Acrylonitrile butadiene (nitrile)

Acrylonitrile-butadiene rubber, also known as nitrile rubber, abbreviated AB and NBR, is a copolymer of acrylonitrile and 1,3-butadiene and is one of the synthetic rubbers. Vulcanizates of this rubber have a high resistance to mineral oils, fats and hydrocarbons.

SBR - Styreen butadiene rubber

Styrene-butadiene rubber is the starting material for the by far most produced variant of synthetic rubber. Its abbreviation is SBR, derived from the English term „Styrene Butadiene Rubber“. It is a copolymer of 1,3-butadiene and styrene. SBR is the most widely used synthetic rubber today and usually contains 23.5% styrene and 76.5% butadiene. With a higher styrene content, the rubber becomes thermoplastic, but remains crosslinkable.

NR - Natural rubber

Natural rubber or rubber (indian. cao ‚tree‘ and ochu ‚tear‘; together ‚tear of the tree‘) consists mainly of the elastomeric polymer cis-1,4-polyisoprene. It is mainly used for the production of rubber by vulcanization.

Natural rubber is mostly obtained in South-East Asia from latex, the latex of the rubber tree (*Hevea brasiliensis*), which originally comes from Brazil. Today, however, 60 % of the world's rubber requirements are covered by petrochemically produced synthetic rubber.

PUR (AU) - polyurethane

Polyurethanes (abbreviation PUR; in linguistic usage also PU) are plastics or synthetic resins which are produced from the polyaddition reaction of dialcohols (diols) or polyols with polyisocyanates.

Diols and diisocyanates lead to linear polyurethanes, crosslinked polyurethanes by reacting, for example, triisocyanate-diisocyanate mixtures with polyols. Degree of crosslinking and a variable tightness of the crosslinking lead to plastics, which can be thermosets, thermoplastics or elastomers. In terms of quantity, polyurethane foams, as flexible or rigid foam, are the most important.

XLPE - Crosslinked polyethylene

Polyethylene (abbreviation PE) is a thermoplastic material produced by chain polymerisation of ethene ($\text{CH}_2=\text{CH}_2$) with the simplified structural formula Polyethylene belongs to the group of polyolefins and is partially crystalline and non-polar. It is by far the most frequently used (standard) plastic worldwide. All types of polyethylene are characterised by high chemical resistance, good electrical insulation and good sliding properties.

PVC - polyvinyl chloride

Polyvinyl chloride, PVC for short, is an amorphous thermoplastic. PVC is hard and brittle and only becomes soft, malleable and suitable for technical applications by adding plasticizers and stabilizers.

EPDM - ethylene propylene rubber

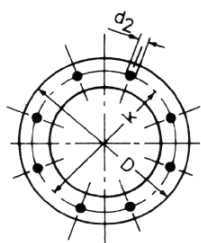
Ethylene-propylene-diene rubber (abbreviation EPDM, ethylene-propylene-diene) is a terpolymeric elastomer (rubber) and thus a synthetic rubber. EPM (ethylene-propylene copolymer) as well as EPDM belong to the statistical copolymers with saturated polymer skeleton (according to DIN designation: M group; in contrast, rubbers with unsaturated hydrocarbon chain belong to the R group, such as natural rubber NR, styrene-butadiene rubber SBR).

SATURATED STEAM TABLE - TECHNICAL DATA

PRESSURE			TEMPERATURE	
kp/cm ²	bar	Psi	°C	°F
0,4	0,4	5,7	108,7	227,7
0,6	0,6	8,5	112,7	234,9
0,8	0,8	11,4	116,3	241,3
1,0	1,0	14,2	119,0	246,2
1,5	1,5	21,3	126,7	260,1
2,0	2,0	28,4	132,8	271,0
2,5	2,5	35,6	138,1	280,6
3,0	2,9	42,7	142,8	289,0
3,5	3,4	49,8	147,1	296,8
4,0	3,9	56,9	150,9	303,6
4,5	4,4	64,0	154,6	310,3
5,0	4,9	71,1	157,9	316,2
5,5	5,4	78,2	161,1	322,0
6,0	5,9	85,3	164,0	327,2
6,5	6,4	92,4	166,8	332,2
7,0	6,9	99,6	169,5	337,1
7,5	7,4	106,7	172,0	341,6
8,0	7,8	113,8	174,4	349,9
8,5	8,3	120,9	176,8	350,2
9,0	8,8	128,0	178,9	354,0
9,5	9,3	135,1	181,0	357,8
10,0	9,8	142,2	183,1	361,6
10,5	10,3	149,3	185,2	365,4
11,0	10,8	156,5	187,1	368,8
11,5	11,3	163,6	188,9	372,0
12,0	11,8	170,7	190,7	375,3
12,5	12,3	177,8	192,5	378,5
13,0	12,8	184,9	194,2	381,6
13,5	13,2	192,0	195,8	384,4
14,0	13,7	199,1	197,4	387,3
14,5	14,2	206,2	198,9	390,0
15,0	14,7	213,3	200,4	392,7
15,5	15,2	220,5	201,9	395,4
16,0	15,7	227,6	203,3	398,0
17,0	16,7	241,8	206,1	403,0
18,0	17,7	256,0	208,6	407,5
19,0	18,6	270,2	211,3	412,3
20,0	19,6	284,5	213,9	417,0
25,0	24,5	355,6	225,0	437,0
30,0	29,4	426,6	234,6	454,3

TECHNICAL DATA - FLANGE DIMENSIONS

DN	TW				PN 6				PN 10				PN 16				DN
	D	k	n	d ₂	D	k	n	d ₂	D	k	n	d ₂	D	k	n	d ₂	
15					80	55	4	11	95	65	4	14	95	65	4	14	15
20					90	65	4	11	105	75	4	14	105	75	4	14	20
25					100	75	4	11	115	85	4	14	115	85	4	14	25
32					120	90	4	14	140	100	4	18	140	100	4	18	32
40					130	100	4	14	150	110	4	18	150	110	4	18	40
50	154	130	8	11	140	110	4	14	165	125	4	18	165	125	4	18	50
65	154	130	8	11	160	130	4	14	185	145	4	18	185	145	4	18	65
80	154	130	8	11	190	150	4	18	200	160	8	18	200	160	8	18	80
100	174	150	8	14	210	170	4	18	220	180	8	18	220	180	8	18	100
125	204	176	8	14	240	200	8	18	250	210	8	18	250	210	8	18	125
150	204	210	12	14	265	225	8	18	285	240	8	22	285	240	8	22	150
200					320	280	8	18	340	295	8	22	340	295	12	22	200
250					375	335	12	18	395	350	12	22	405	355	12	26	250
300					440	395	12	22	445	400	12	22	460	410	12	26	300



n = Number of holes

DN	DIN PN 25				DIN PN 40				ANSI (ASA) B 16.5 150 psi				ANSI (ASA) B 16.5 300 psi				DN
	D	k	n	d ₂	D	k	n	d ₂	D	k	n	d ₂	D	k	n	d ₂	
15	95	65	4	14	95	65	4	14	88,9	60,3	4	15,9	95,1	66,7	4	15,9	1/2"
20	105	75	4	14	105	75	4	14	98,4	69,8	4	15,9	117,5	82,5	4	19	3/4"
25	115	85	4	14	115	85	4	14	107,9	79,4	4	15,9	123,8	88,9	4	19	1"
32	140	100	4	18	140	100	4	18	117,5	88,9	4	15,9	133,3	98,4	4	19	1 1/4"
40	150	110	4	18	150	110	4	18	127	98,4	4	15,9	155,6	114,3	4	22,2	1 1/2"
50	165	125	4	18	165	125	4	18	152,4	120,6	4	19	165,1	127	8	19	2"
65	185	145	8	18	185	145	8	18	177,8	139,7	4	19	190,5	149,2	8	22,2	2 1/2"
80	200	160	8	18	200	160	8	18	190,5	152,4	4	19	209,5	168,3	8	22,2	3"
100	235	190	8	22	235	190	8	22	228,6	190,5	8	19	254	200	8	22,2	4"
125	270	220	8	26	270	220	8	26	254	215,9	8	22,2	279,4	234,9	8	22,2	5"
150	300	250	8	26	300	250	8	26	279,4	241,3	8	22,2	317,5	269,9	12	22,2	6"
200	360	310	12	26	375	320	12	30	342,9	298,4	8	22,2	381	330,2	12	25,4	8"
250	425	370	12	30	450	385	12	33	406,4	361,9	12	25,4	444,5	387,3	16	28,6	10"
300	485	430	12	30	515	450	12	33	482,6	431,8	12	25,4	520,7	450,8	16	31,7	12"

CARE, MAINTENANCE AND STORAGE OF HOSES

Hoses are subject to a limited service life and the user must be aware of the signs of impending failure, especially if the operating conditions involve high working pressure and/or hazardous materials are transported.

Security advice

If the manufacturer's recommended procedures for care, maintenance and storage of the respective hose are not followed, the hose may not function properly. This could result in damage to property or serious physical injury. This could result in damage to property or serious physical injury.

General instructions for the correct storage of hoses are described below. Improper storage can significantly reduce the life of hose products.

Proper handling of hoses

Improper handling of the hoses, such as squeezing, tearing, pulling or loading with non-permissible media must be avoided. Avoid pulling a hose over sharp or abrasive surfaces unless it has been specially designed for this purpose.

Hoses may only be used up to their prescribed maximum operating pressure. Any change in operating pressure should be made gradually so that the hoses are not subjected to pressure surges. Hoses must not be kinked or run over unless otherwise specified in the data sheets.

When handling large hoses, reels or drums should be used if possible. For heavy suction and pressure hoses, e.g. when loading and unloading oil, appropriate slings, carrying belts and the like should be used for support.

General examinations

An inspection and hydrostatic test must be carried out at regular intervals to check whether the hose is still suitable for further use. A visual inspection of the hose for loose covers, kinks, dents or soft spots must be carried out to detect broken or displaced inserts. The couplings or fittings must be carefully examined for signs of detachment from the hose and replaced immediately if necessary.

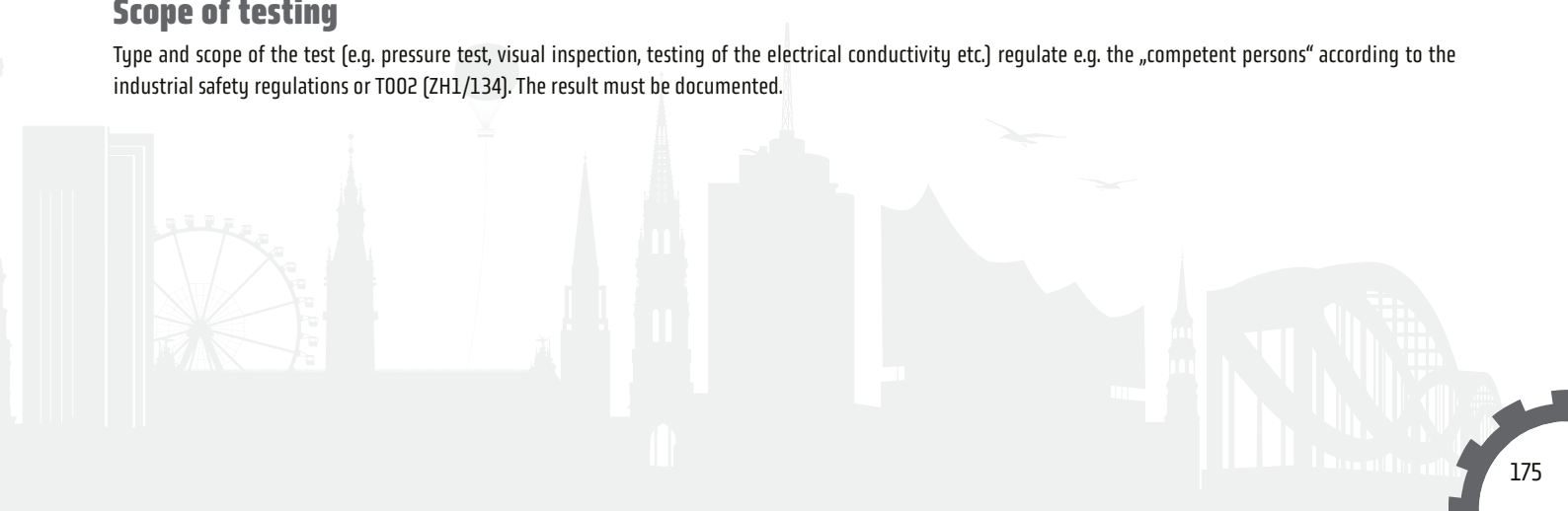
Deadlines for inspection

The safe working condition of hose assemblies requiring testing must be checked by a competent person:

- Before the first start-up (ready for use), obtain hose assemblies: quality checks on random samples)
- At regular intervals after the first commissioning (each individual hose line) (Inspection period e.g. for thermoplastic and elastomeric hose lines at least 1x per year, steam hoses 1/2 year. Higher loads require shorter test intervals, e.g. in case of increased mechanical, dynamic or chemical stress).
- After a repair (each individual hose line).

Scope of testing

Type and scope of the test (e.g. pressure test, visual inspection, testing of the electrical conductivity etc.) regulate e.g. the „competent persons“ according to the industrial safety regulations or T002 (ZH1/134). The result must be documented.



Storage

The storage of rubber hose products can be influenced by Temperature, humidity, ozone, sunlight, oil, solvents, corrosive liquids and vapours, insects, rodents and radioactive material.

Proper storage of the hoses depends mainly on their size (diameter and length), the quantity to be stored and the packaging used.

Hoses must not be stacked or superimposed in such a way that the weight of the stack causes deformation of the hoses at the bottom.

Since rubber hoses vary greatly in dimension, weight and length, no generally applicable recommendations can be given in this respect. A thin-walled hose can withstand less stress than a thick-walled hose or a hose with a steel wire helix. Hoses that are shipped as reels must be stored horizontally.

If possible, store hose products in their original packaging, especially if such packaging is wooden or cardboard boxes. This packaging also protects against sunlight.

The following are general instructions for the correct storage of hoses according to standard DIN 7716:1982 „Rubber and rubber products: Requirements for storage, cleaning and maintenance“ paragraph 3. Improper storage can considerably reduce the service life of hose products.

Storage room

The storage room should be cool, dry, low-dust and moderately ventilated. Storage in the open air without protection from the weather is not permitted.

Temperature

Rubber products should not be stored below -10°C and above $+15^{\circ}\text{C}$, with the upper limit being exceeded up to $+25^{\circ}\text{C}$. Temperatures even higher are only permitted for a short period of time.

Heating

In heated storage rooms, the rubber and rubber products shall be shielded from the heat source. The distance between the heat source and stored goods must be at least one metre.

Humidity

Storage in damp storage rooms should be avoided. Care must be taken that no condensation occurs. A relative air humidity below 65% is most favourable.

Lighting

The products should be protected from light, in particular from direct sunlight and from strong artificial light with a high ultraviolet content. For this reason, the windows of storage rooms should be painted red or orange (never blue). Lighting with normal incandescent lamps is preferable.

Ozone

Since ozone is particularly harmful, storage rooms must not contain any ozone-generating equipment, such as electric motors or other devices that can generate sparks or other electrical discharges. Combustion gases and vapours which can lead to ozone formation through photochemical processes should be removed. Finally, rubber articles should be stored according to the „first-in, first-out“ principle, because even under the best conditions an unusually long storage period can lead to a deterioration of the physical properties of certain rubber products.

Cleaning

The hose assembly shall be cleaned and rinsed after use and before each test. When cleaning with steam or with chemical additives, the resistance of the hose line components must be taken into account (Caution: the use of steam lances is not permitted).

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