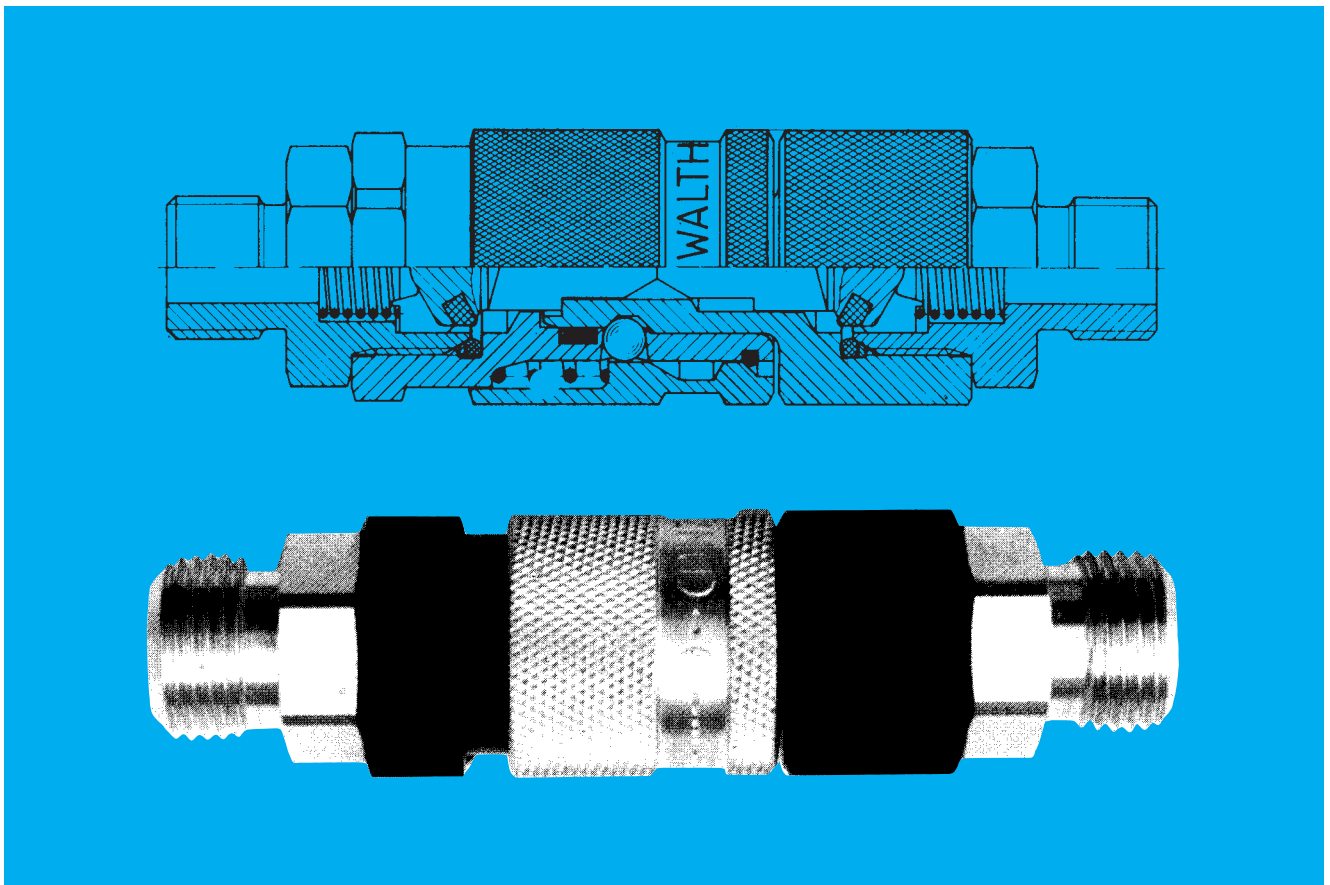


Nom. bore	Type	Max. static working pressure [bar/psi]			Min. burst pressure for steel [bar/psi]	C _v value		Cross section [mm ²]	Page
		steel	brass	st. st.		both sides self sealing	one side self sealing		
6	SG-006	250/3625	–	–	1400/20300	0.73	1.0	30	50 - 51
6	MD-006	200/2900	40/580	100/1450	1000/14500	0.73	1.0	30	52 - 53
7	MD-007	250/3625	40/580	100/1450	800/11600	0.95	1.25	40	54 - 55
12	MD-012	250/3625	40/580	100/1450	750/10900	3.25	4.34	120	56 - 57
19	MD-019	250/3625	40/580	50/725	750/10900	7.5	11.2	300	58 - 59
25	MD-025	220/3190	40/580	50/725	750/10900	13.0	15.6	490	60
32	MD-032	200/2900	40/580	40/580	700/10100	23.8	29.4	800	61 - 62
50	MD-050	100/1450	30/435	30/435	450/6500	59	68	2000	63 - 64
Performance diagrams									65 - 66

When determining the working pressure of the coupling the max. permissible working pressure of the end connection is to be taken into account if standardized threads are used. In case of pulsating pressure the use of HP-Series is recommended.

In stainless steel the version is partially smooth instead of knurled.



optional features:
OV = without valve

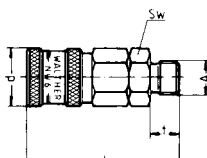
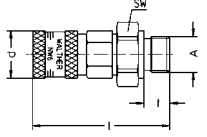
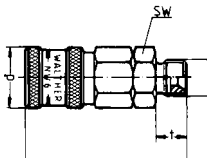
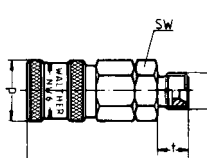
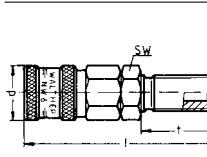
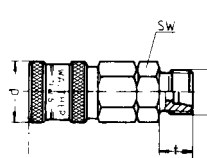
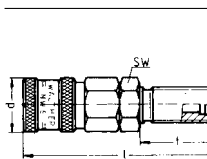
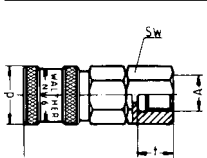
materials:
standard:
19 = steel zinc plated, partially oil burnished
12 = steel, oil burnished
(only valid for thru type adaptor)

seal qualities:
1 = NBR (Perbunan)
2 = FPM (Viton)
4 = EPDM

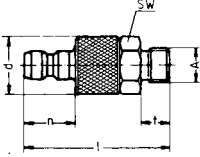
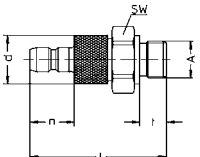
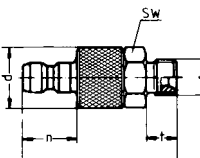
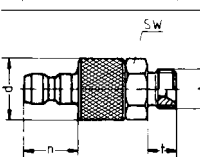
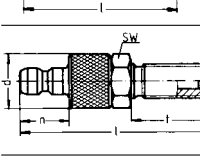
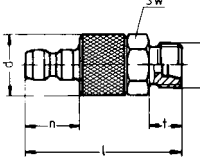
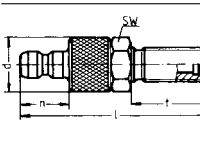
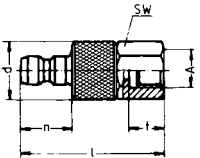
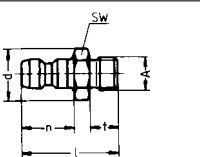
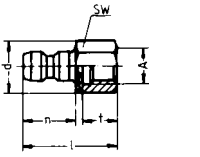
special materials:
13 = steel, chem. nickel plated

Please note the technical data on pages 2 - 7, 65 and the max. working pressures on page 49

Availability: ● Short ○ Medium ○ Long

Self sealing couplings	Part No.	Conne- ction A	steel zinc/ oil burn.	steel oil burnished			series	pipe OD	n. b.	d	SW	l	t	n	weight [g]
 <p>British standard pipe parallel (BSPP) male thread to DIN ISO 228</p>	SG-006-0-WR013-...-	BSPP 1/4"	●							22	19	58	11		90
	SG-006-0-WR017-...-	BSPP 3/8"	●							22	19	59	12		95
	SG-006-0-WR021-...-	BSPP 1/2"	●								22	22	62	15	
 <p>British standard pipe parallel (BSPP) male thread to DIN ISO 228, sealing profile "E" to DIN 3852-11 for o-ring or sealing ring.</p>	SG-006-0-WE017-...-	BSPP 3/8"	○							22	27	64	12		130
 <p>BSPP male thread to DIN ISO 228/BS 5200 with 60° sealing cone</p>	SG-006-0-VR013-...-	BSPP 1/4"	○						6	22	19	58	11		90
	SG-006-0-VR017-...-	BSPP 3/8"	○						6	22	19	59	12		95
 <p>metric male thread with 60° sealing cone to DIN 7631</p>	SG-006-0-D0614-...-	M 14 x 1,5	●						6	22	19	57	10		90
 <p>metric male thread with 60° sealing cone to DIN 7631, extended thread for bulkhead mounting, max. thickness 10 mm</p>	SG-006-0-DV008-...-	M 14 x 1,5	○						6	22	19	79	32		110
 <p>metric male thread with 24° sealing cone to DIN 2353 (light duty series L, heavy duty series S)</p>	SG-006-0-L0612-...-	M 12 x 1,5	●			L	6	4	22	19	57	10		85	
	SG-006-0-L0814-...-	M 14 x 1,5	●			L	8	6	22	19	57	10		85	
	SG-006-0-L1016-...-	M 16 x 1,5	●			L	10	8	22	19	58	11		90	
	SG-006-0-L1218-...-	M 18 x 1,5	○			L	12	10	22	19	58	11		90	
	SG-006-0-S0816-...-	M 16 x 1,5	○			S	8	4	22	19	59	12		90	
	SG-006-0-S1018-...-	M 18 x 1,5	●			S	10	6	22	19	59	12		95	
SG-006-0-S1220-...-	M 20 x 1,5	○			S	12	8	22	22	59	12		100		
 <p>metric male thread with 24° sealing cone to DIN 2353 (light duty series L, heavy duty series S), extended thread, max. bulkhead thickness 10 mm</p>	SG-006-0-LV008-...-	M 14 x 1,5	○			L	8	6	22	19	79	32		110	
	SG-006-0-XX211-...-	M 16 x 1,5	○			L	10	8	22	19	79	32		120	
 <p>British standard pipe parallel (BSPP) female thread to DIN ISO 228</p>	SG-006-0-WR513-...-	BSPP 1/4"	●							22	19	57	13		95
	SG-006-0-WR517-...-	BSPP 3/8"	●							22	22	58	14		100

Availability: ● Short ○ Medium ○ Long

	Part No.	Conne- tion A	steel zinc/ oil burn.	steel oil burnished	series	pipe OD	n. b.	d	SW	l	t	n	weight [g]	
Self sealing adaptors	 <p>British standard pipe parallel (BSPP) male thread to DIN ISO 228</p>	SG-006-2-WR013-...-.	BSPP 1/4"	●				22	19	56	11	20	70	
		SG-006-2-WR017-...-.	BSPP 3/8"	●				22	19	57	12	20	75	
		SG-006-2-WR021-...-.	BSPP 1/2"	○				22	22	60	15	20	100	
	 <p>British standard pipe parallel (BSPP) male thread to DIN ISO 228, sealing profile "E" to DIN 3852-11 for o-ring or sealing ring.</p>	SG-006-2-WE017-...-.	BSPP 3/8"	○				22	27	62	12	20	110	
	 <p>BSPP male thread to DIN ISO 228/BS 5200 with 60° sealing cone</p>	SG-006-2-VR013-...-.	BSPP 1/4"	○			6	22	19	56	11	20	70	
														SG-006-2-VR017-...-.
	 <p>metric male thread with 60° sealing cone to DIN 7631</p>	SG-006-2-D0614-...-.	M 14 x 1,5	○				6	22	19	55	10	20	70
	 <p>metric male thread with 60° sealing cone to DIN 7631, extended thread for bulkhead mounting, max. thickness 10 mm</p>	SG-006-2-DV008-...-.	M 14 x 1,5	○				6	22	19	77	32	20	90
 <p>metric male thread with 24° sealing cone to DIN 2353 (light duty series L, heavy duty series S)</p>	SG-006-2-L0612-...-.	M 12 x 1,5	●		L	6	4	22	19	55	10	20	70	
	SG-006-2-L0814-...-.	M 14 x 1,5	●		L	8	6	22	19	55	10	20	70	
	SG-006-2-L1016-...-.	M 16 x 1,5	●		L	10	8	22	19	56	11	20	75	
	SG-006-2-L1218-...-.	M 18 x 1,5	○		L	12	10	22	19	56	11	20	75	
	SG-006-2-S0816-...-.	M 16 x 1,5	○		S	8	4	22	19	57	12	20	75	
	SG-006-2-S1018-...-.	M 18 x 1,5	○		S	10	6	22	19	57	12	20	80	
	SG-006-2-S1220-...-.	M 20 x 1,5	○		S	12	8	22	22	57	12	20	85	
 <p>metric male thread with 24° sealing cone to DIN 2353 (light duty series L, heavy duty series S), extended thread, max. bulkhead thickness 10 mm</p>	SG-006-2-LV008-...-.	M 14 x 1,5	○		L	8	6	22	19	77	32	20	90	
														SG-006-2-XX211-...-.
 <p>British standard pipe parallel (BSPP) female thread to DIN ISO 228</p>	SG-006-2-WR513-...-.	BSPP 1/4"	●					22	19	55	13	20	75	
														SG-006-2-WR517-...-.
Thru type adaptors	 <p>British standard pipe parallel (BSPP) male thread to DIN ISO 228</p>	SG-006-1-WR010-..	BSPP 1/8"	○				15,5	14	34	8	20	23	
		SG-006-1-WR013-..	BSPP 1/4"	○				19,6	14	37	11	20	26	
		SG-006-1-WR017-..	BSPP 3/8"	○				21,9	19	38	12	20	37	
 <p>British standard pipe parallel (BSPP) female thread to DIN ISO 228</p>	SG-006-1-WR513-..	BSPP 1/4"	○					19,6	17	36	13	20	26	
														SG-006-1-WR517-..

characteristic features:

- stainless steel version 1.4404/1.4571 or similar in smooth variant with gripping grooves instead of knurling

optional features:

OV = without valve
SI = with additional axial safety lock (outer diameter 29 mm)

materials:

standard:
19 = steel zinc plated, partially oil burnished
21 = brass, passivated
01 = stainless steel 1.4404/1.4571 or similar

special materials:

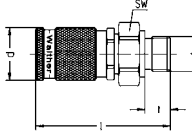
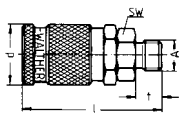
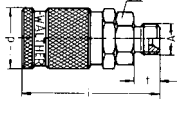
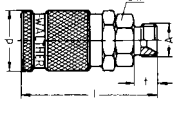
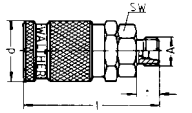
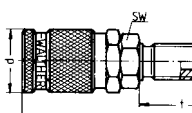
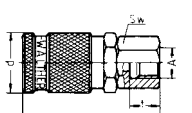
13 = steel, chem. nickel plated
24 = brass, chem. nickel plated
22 = brass, chrome plated

seal qualities:

1 = NBR (Perbunan)
2 = FPM (Viton)
4 = EPDM

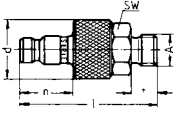
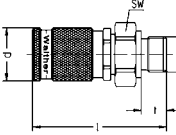
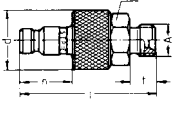
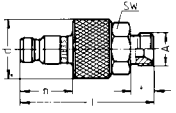
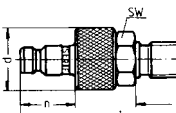
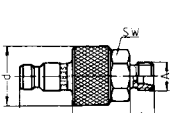
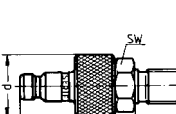

Please note the technical data on pages 2 - 7, 65 and the max. working pressures on page 49

Availability: ● Short ○ Medium ○ Long

	Part No.	Connec- tion A	steel zinc/ oil burn.	brass passivated	AISI 316 ti/ 1.4571	series	pipe OD	n. b.	d	SW	l	t	n	weight [g]
 <p>British standard pipe parallel (BSPP) male thread to DIN ISO 228, sealing profile "E" to DIN 3852-11 for o-ring or sealing ring.</p>	MD-006-0-WE017-...-	BSPP 3/8"	●					25	27	64	12		157	
 <p>British standard pipe parallel (BSPP) male thread to DIN ISO 228</p>	MD-006-0-WR013-...-	BSPP 1/4"	●	○				25	19	58	11		110	
	MD-006-0-WR017-...-	BSPP 3/8"	●	○				25	19	59	12		120	
	MD-006-0-WR021-...-	BSPP 1/2"	●	○				25	22	62	15		140	
 <p>BSPP male thread to DIN ISO 228/BS 5200 with 60° sealing cone</p>	MD-006-0-VR013-...-	BSPP 1/4"	○	○			6	25	19	58	11		110	
	MD-006-0-VR017-...-	BSPP 3/8"	●	○			6	25	19	59	12		120	
 <p>metric male thread with 60° sealing cone to DIN 7631</p>	MD-006-0-D0614-...-	M 14 x 1,5	●	○			6	25	19	57	10		110	
	MD-006-0-DV008-...-	M 14 x 1,5	○				6	25	19	79	32		130	
 <p>metric male thread with 24° sealing cone to DIN 2353 (light duty series L, heavy duty series S)</p>	MD-006-0-L0612-...-	M 12 x 1,5	●	○	L	6	4	25	19	57	10		110	
	MD-006-0-L0814-...-	M 14 x 1,5	●	○	L	8	6	25	19	57	10		110	
	MD-006-0-L1016-...-	M 16 x 1,5	●	○	L	10	8	25	19	58	11		110	
	MD-006-0-L1218-...-	M 18 x 1,5	○	○	L	12	10	25	19	58	11		110	
	MD-006-0-S0816-...-	M 16 x 1,5	○	○	S	8	4	25	19	59	12		120	
	MD-006-0-S1018-...-	M 18 x 1,5	●	○	S	10	6	25	19	59	12		120	
	MD-006-0-S1220-...-	M 20 x 1,5	●	○	S	12	8	25	22	59	12		130	
 <p>metric male thread with 24° sealing cone to DIN 2353 (light duty series L, heavy duty series S), extended thread, max. bulkhead thickness 10 mm</p>	MD-006-0-LV008-...-	M 14 x 1,5	○		L	8	6	25	19	79	32		130	
	MD-006-0-XX211-...-	M 16 x 1,5	○		L	10	8	25	19	79	32		140	
 <p>British standard pipe parallel (BSPP) female thread to DIN ISO 228</p>	MD-006-0-WR513-...-	BSPP 1/4"	●	○				25	19	57	13		120	
	MD-006-0-WR517-...-	BSPP 3/8"	●	○				25	22	58	14		130	

Self sealing couplings

Availability: ● Short ○ Medium ○ Long

Self sealing adaptors	Part No.	Conne- tion A	steel zinc/ oil burn.	brass	passivated	AISI 316 ti/ 1.4571	series	pipe OD	n. b.	d	SW	l	t	n	weight [g]
 <p>British standard pipe parallel (BSPP) male thread to DIN ISO 228</p>	MD-006-2-WR013-...-	BSPP 1/4"	●	○	○					25	19	57,5	11	21,7	85
	MD-006-2-WR017-...-	BSPP 3/8"	●	○	○					25	19	58,5	12	21,7	90
	MD-006-2-WR021-...-	BSPP 1/2"	●	○	○						25	22	61,5	15	21,7
 <p>British standard pipe parallel (BSPP) male thread to DIN ISO 228, sealing profile "E" to DIN 3852-11 for o-ring or sealing ring.</p>	MD-006-2-WE017-...-	BSPP 3/8"	○	○	○					25	27	63	12	21,7	127
 <p>BSPP male thread to DIN ISO 228/BS 5200 with 60° sealing cone</p>	MD-006-2-VR013-...-	BSPP 1/4"	○	○	○				6	25	19	57,5	11	21,7	85
	MD-006-2-VR017-...-	BSPP 3/8"	○	○	○				6	25	19	58,5	12	21,7	95
 <p>metric male thread with 60° sealing cone to DIN 7631</p>	MD-006-2-D0614-...-	M 14 x 1,5	●	○	○				6	25	19	56,5	10	21,7	85
 <p>metric male thread with 60° sealing cone to DIN 7631, extended thread for bulkhead mounting, max. thickness 10 mm</p>	MD-006-2-DV008-...-	M 14 x 1,5	○	○	○				6	25	19	78,5	32	21,7	100
 <p>metric male thread with 24° sealing cone to DIN 2353 (light duty series L, heavy duty series S)</p>	MD-006-2-L0612-...-	M 12 x 1,5	●	○	○	L	6	4	25	19	56,5	10	21,7	85	
	MD-006-2-L0814-...-	M 14 x 1,5	●	○	○	L	8	6	25	19	56,5	10	21,7	85	
	MD-006-2-L1016-...-	M 16 x 1,5	●	○	○	L	10	8	25	19	57,5	11	21,7	85	
	MD-006-2-L1218-...-	M 18 x 1,5	○	○	○	L	12	10	25	19	57,5	11	21,7	85	
	MD-006-2-S0816-...-	M 16 x 1,5	○	○	○	S	8	4	25	19	58,5	12	21,7	90	
	MD-006-2-S1018-...-	M 18 x 1,5	○	○	○	S	10	6	25	19	58,5	12	21,7	90	
	MD-006-2-S1220-...-	M 20 x 1,5	●	○	○	S	12	8	25	22	58,5	12	21,7	100	
 <p>metric male thread with 24° sealing cone to DIN 2353 (light duty series L, heavy duty series S), extended thread, max. bulkhead thickness 10 mm</p>	MD-006-2-LV008-...-	M 14 x 1,5	○	○	○	L	8	6	25	19	78,5	32	21,7	100	
	MD-006-2-XX211-...-	M 16 x 1,5	○	○	○	L	10	8	25	19	78,5	32	21,7	110	
 <p>British standard pipe parallel (BSPP) female thread to DIN ISO 228</p>	MD-006-2-WR513-...-	BSPP 1/4"	●	○	○					25	19	56,5	13	21,7	90
	MD-006-2-WR517-...-	BSPP 3/8"	●	○	○					25	22	57,5	14	21,7	95

Series MD

optional features:
 OV = without valve
 SI = with additional axial safety lock
 (outer diameter 34 mm)

materials:
standard:
 19 = steel zinc plated, partially oil burnished
 21 = brass, passivated
 01 = stainless steel 1.4404/1.4571 or similar

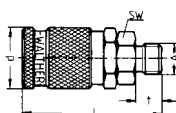
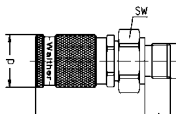
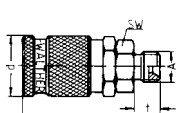
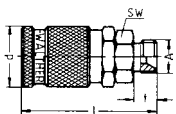
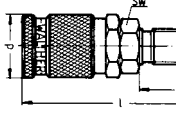
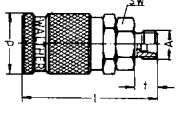
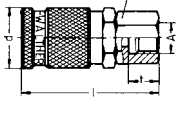
seal qualities:
 1 = NBR (Perbunan)
 2 = FPM (Viton)
 4 = EPDM

special materials:
 13 = steel, chem. nickel plated
 24 = brass, chem. nickel plated
 22 = brass, chrome plated

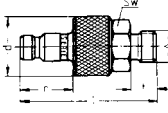
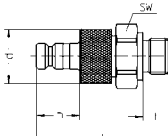
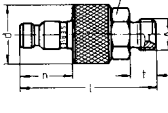
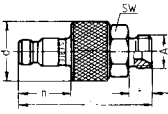
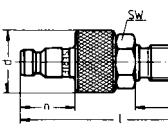
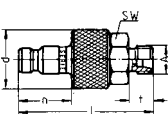
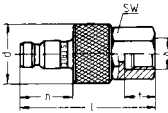
Please note the technical data on pages 2 - 7, 65 and the max. working pressures on page 49

Availability: ● Short ○ Medium ○ Long

Self sealing couplings

	Part No.	Conne- tion A	steel zinc/ oil burn.	brass passivated	AISI 316 ti/ 1.4571	series	pipe OD	n. b.	d	SW	l	t	n	weight [g]
 <p>British standard pipe parallel (BSPP) male thread to DIN ISO 228</p>	MD-007-0-WR017-...-	BSPP 3/8"	●	●	○				30	24	68	12		200
	MD-007-0-WR021-...-	BSPP 1/2"	●	●	○				30	24	71	15		220
 <p>British standard pipe parallel (BSPP) male thread to DIN ISO 228, sealing profile "E" to DIN 3852-11 for o-ring or sealing ring.</p>	MD-007-0-WE017-...-	BSPP 3/8"	○	○	○				30	27	71	12		220
 <p>BSPP male thread to DIN ISO 228/BS 5200 with 60° sealing cone</p>	MD-007-0-VR017-...-	BSPP 3/8"	○	○	○			7	30	24	68	12		210
 <p>metric male thread with 60° sealing cone to DIN 7631</p>	MD-007-0-D0816-...-	M 16 x 1,5	●	○	○			8	30	24	67	11		200
 <p>metric male thread with 60° sealing cone to DIN 7631, extended thread for bulkhead mounting, max. thickness 10 mm</p>	MD-007-0-DV010-...-	M 16 x 1,5	○	○	○			8	30	24	89,5	33,5		220
 <p>metric male thread with 24° sealing cone to DIN 2353 (light duty series L, heavy duty series S)</p>	MD-007-0-L0814-...-	M 14 x 1,5	●	○	○	L	8	6	30	24	66	10		190
	MD-007-0-L1016-...-	M 16 x 1,5	●	○	○	L	10	8	30	24	67	11		190
	MD-007-0-L1218-...-	M 18 x 1,5	○	○	○	L	12	10	30	24	67	11		190
	MD-007-0-S1018-...-	M 18 x 1,5	●	○	○	S	10	6	30	24	68	11		200
	MD-007-0-S1220-...-	M 20 x 1,5	●	○	○	S	12	8	30	24	68	12		200
 <p>British standard pipe parallel (BSPP) female thread to DIN ISO 228</p>	MD-007-0-WR517-...-	BSPP 3/8"	●	●	○				30	24	68	14		210
	MD-007-0-WR521-...-	BSPP 1/2"	●	●	○				30	27	71	17		230

Availability: ● Short ○ Medium ○ Long

Self sealing adaptors	Part No.	Conne- tion A	steel zinc/ oil burn.	brass passivated	AlSi 316 ti/ 1.4571	series	pipe OD	n. b.	d	SW	l	t	n	weight [g]
 <p>British standard pipe parallel (BSPP) male thread to DIN ISO 228</p>	MD-007-2-WR017-...- MD-007-2-WR021-...-	BSPP 3/8" BSPP 1/2"	●	○	○				30	24	66,5	12	25	150
			●	○	○									
 <p>British standard pipe parallel (BSPP) male thread to DIN ISO 228, sealing profile "E" to DIN 3852-11 for o-ring or sealing ring.</p>	MD-007-2-WE017-...-	BSPP 3/8"	○	○	○				30	27	68	12	25	170
 <p>BSPP male thread to DIN ISO 228/BS 5200 with 60° sealing cone</p>	MD-007-2-VR017-...-	BSPP 3/8"	○	○	○			7	30	24	66,5	12	25	150
 <p>metric male thread with 60° sealing cone to DIN 7631</p>	MD-007-2-D0816-...-	M 16 x 1,5	●	○	○			8	30	24	66,5	11	25	140
 <p>metric male thread with 60° sealing cone to DIN 7631, extended thread for bulkhead mounting, max. thickness 10 mm</p>	MD-007-2-DV010-...-	M 16 x 1,5	○	○	○			8	30	24	88	33,5	25	170
 <p>metric male thread with 24° sealing cone to DIN 2353 (light duty series L, heavy duty series S)</p>	MD-007-2-L0814-...- MD-007-2-L1016-...- MD-007-2-L1218-...- MD-007-2-S1018-...- MD-007-2-S1220-...-	M 14 x 1,5 M 16 x 1,5 M 18 x 1,5 M 18 x 1,5 M 20 x 1,5	●	○	○	L	8	6	30	24	64,5	10	25	150
			●	○	○	L	10	8	30	24	65,5	11	25	150
			○	○	○	L	12	10	30	24	65,5	11	25	150
			●	○	○	S	10	6	30	24	66,5	12	25	160
			●	○	○	S	12	8	30	24	66,5	12	25	160
 <p>British standard pipe parallel (BSPP) female thread to DIN ISO 228</p>	MD-007-2-WR517-...- MD-007-2-WR521-...-	BSPP 3/8" BSPP 1/2"	●	○	○				30	24	66,5	14	25	160
			●	○	○				30	27	69,5	15	25	180

optional features:

OV = without valve
 SI = with additional axial safety lock
 (outer diameter 44 mm)

materials:

standard:
 19 = steel zinc plated, partially oil burnished
 21 = brass, passivated
 01 = stainless steel 1.4404/1.4571 or similar

seal qualities:

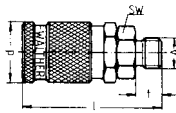
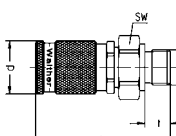
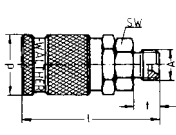
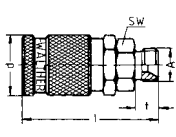
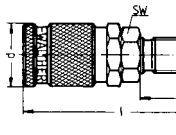
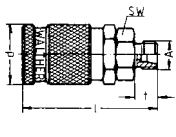
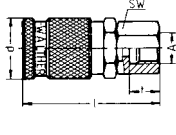
1 = NBR (Perbunan)
 2 = FPM (Viton)
 4 = EPDM

special materials:

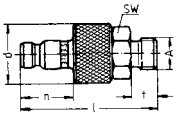
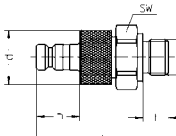
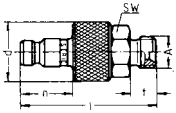
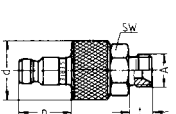
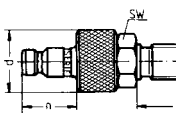
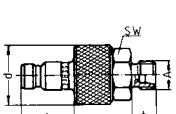
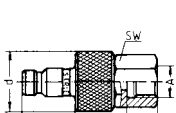
13 = steel, chem. nickel plated
 24 = brass, chem. nickel plated
 22 = brass, chrome plated

Please note the technical data on pages 2 - 7, 65 and the max. working pressures on page 49

Availability: ● Short ○ Medium ○ Long

Self sealing couplings	Part No.	Conne- tion A	steel zinc/ oil burn.	brass passivated	AISI 316 ti/ 1.4571	series	pipe OD	n. b.	d	SW	l	t	n	weight [g]
 <p>British standard pipe parallel (BSPP) male thread to DIN ISO 228</p>	MD-012-0-WR021-...-	BSPP 1/2"	●	●	○				40	32	82	15		390
	MD-012-0-WR026-...-	BSPP 3/4"	●	●	○				40	32	84	17		420
	MD-012-0-WR033-...-	BSPP 1"	●	○	○				40	36	88	20		480
 <p>British standard pipe parallel (BSPP) male thread to DIN ISO 228, sealing profile "E" to DIN 3852-11 for o-ring or sealing ring.</p>	MD-012-0-WE021-...-	BSPP 1/2"	○	○	○				40	32	84	14		400
 <p>BSPP male thread to DIN ISO 228/BS 5200 with 60° sealing cone</p>	MD-012-0-VR021-...-	BSPP 1/2"	●	○	○			12	40	32	82	15		390
	MD-012-0-VR026-...-	BSPP 3/4"	○	○	○			12	40	32	84	17		410
 <p>metric male thread with 60° sealing cone to DIN 7631</p>	MD-012-0-D1018-...-	M 18 x 1,5	○	○	○			10	40	32	78	11		380
	MD-012-0-D1222-...-	M 22 x 1,5	○	○	○			12	40	32	79	12		390
 <p>metric male thread with 60° sealing cone to DIN 7631, extended thread for bulkhead mounting, max. thickness 10 mm</p>	MD-012-0-DV015-...-	M 22 x 1,5	○	○	○			13	40	32	106	39		440
 <p>metric male thread with 24° sealing cone to DIN 2353 (light duty series L, heavy duty series S)</p>	MD-012-0-L1218-...-	M 18 x 1,5	●	○	○	L	12	10	40	32	78	11		380
	MD-012-0-L1522-...-	M 22 x 1,5	●	○	○	L	15	12	40	32	79	12		390
	MD-012-0-S1624-...-	M 24 x 1,5	●	○	○	S	16	12	40	32	81	14		400
 <p>British standard pipe parallel (BSPP) female thread to DIN ISO 228</p>	MD-012-0-WR521-...-	BSPP 1/2"	●	●	○				40	32	81	17		430
	MD-012-0-WR526-...-	BSPP 3/4"	●	●	○				40	32	83	19		410

Availability: ● Short ○ Medium ○ Long

Self sealing adaptors	Part No.	Conne- tion A	steel zinc/ oil burn.	brass passivated	AlSi 316 ti/ 1.4571	series	pipe OD	n. b.	d	SW	l	t	n	weight [g]	
 <p>British standard pipe parallel (BSPP) male thread to DIN ISO 228</p>	MD-012-2-WR021-...-	BSPP 1/2"	●	○	○				40	32	82	15	31,5	300	
	MD-012-2-WR026-...-	BSPP 3/4"	●	○	○				40	32	84	17	31,5	330	
	MD-012-2-WR033-...-	BSPP 1"	●	○	○				40	36	88	20	31,5	390	
 <p>British standard pipe parallel (BSPP) male thread to DIN ISO 228, sealing profile "E" to DIN 3852-11 for o-ring or sealing ring.</p>	MD-012-2-WE021-...-	BSPP 1/2"	○	○	○				40	32	84	14	31,5	310	
 <p>BSPP male thread to DIN ISO 228/BS 5200 with 60° sealing cone</p>	MD-012-2-VR021-...-	BSPP 1/2"	●	○	○			12	40	32	82	15	31,5	300	
	MD-012-2-VR026-...-	BSPP 3/4"	○	○	○			12	40	32	84	17	31,5	320	
 <p>metric male thread with 60° sealing cone to DIN 7631</p>	MD-012-2-D1018-...-	M 18 x 1,5	○	○	○			10	40	32	78	11	31,5	290	
	MD-012-2-D1222-...-	M 22 x 1,5	○	○	○			12	40	32	79	12	31,5	300	
 <p>metric male thread with 60° sealing cone to DIN 7631, extended thread for bulkhead mounting, max. thickness 10 mm</p>	MD-012-2-DV015-...-	M 22 x 1,5	○	○	○				13	40	32	106	39	31,5	350
 <p>metric male thread with 24° sealing cone to DIN 2353 (light duty series L, heavy duty series S)</p>	MD-012-2-L1218-...-	M 18 x 1,5	●	○	○	L	12	10	40	32	78	11	31,5	290	
	MD-012-2-L1522-...-	M 22 x 1,5	●	○	○	L	15	12	40	32	79	12	31,5	300	
	MD-012-2-S1624-...-	M 24 x 1,5	●	○	○	S	16	12	40	32	81	14	31,5	310	
 <p>British standard pipe parallel (BSPP) female thread to DIN ISO 228</p>	MD-012-2-WR521-...-	BSPP 1/2"	●	○	○				40	32	81	17	31,5	340	
	MD-012-2-WR526-...-	BSPP 3/4"	●	○	○				40	32	83	19	31,5	320	

optional features:

GG = with ring grips (cast aluminium)
 OV = without valve
 SI = with additional axial safety lock
 (outer diameter 58 mm)

materials:

standard:
 19 = steel zinc plated, partially oil burnished
 21 = brass, passivated
 01 = stainless steel 1.4404/1.4571 or similar

seal qualities:

1 = NBR (Perbunan)
 2 = FPM (Viton)
 4 = EPDM

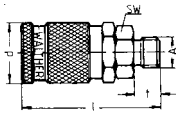
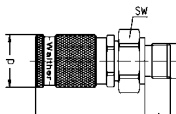
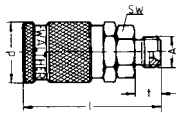
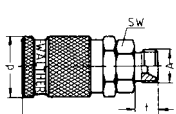
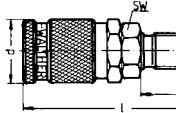
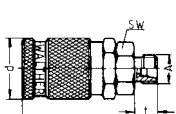
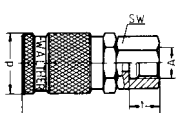
special materials:

13 = steel, chem. nickel plated
 24 = brass, chem. nickel plated
 22 = brass, chrome plated

Please note the technical data on pages 2 - 7, 65 and the max. working pressures on page 49

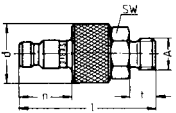
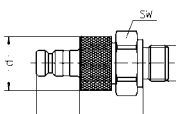
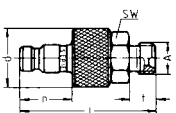
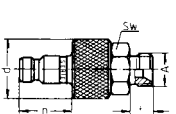
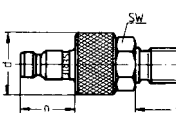
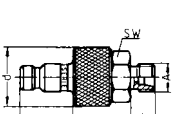
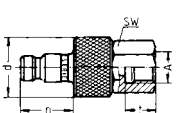
Availability: ● Short ○ Medium ○ Long

Self sealing couplings

	Part No.	Connec- tion A	steel zinc/ oil burn.	brass passivated	AISI 316 ti/ 1.4571	series	pipe OD	n. b.	d	SW	l	t	n	weight [g]
 <p>British standard pipe parallel (BSPP) male thread to DIN ISO 228</p>	MD-019-0-WR026-...-	BSPP 3/4"	●	○	○			54	46	100	17		840	
	MD-019-0-WR033-...-	BSPP 1"	●	○	○			54	46	103	20		870	
 <p>British standard pipe parallel (BSPP) male thread to DIN ISO 228, sealing profile "E" to DIN 3852-11 for o-ring or sealing ring.</p>	MD-019-0-WE026-...-	BSPP 3/4"	○					54	46	102	16		850	
 <p>BSPP male thread to DIN ISO 228/BS 5200 with 60° sealing cone</p>	MD-019-0-VR026-...-	BSPP 3/4"	○	○			19	54	46	100	17		850	
	MD-019-0-VR033-...-	BSPP 1"	○	○			19	54	46	103	20		880	
 <p>metric male thread with 60° sealing cone to DIN 7631</p>	MD-019-0-D1526-...-	M 26 x 1,5	○	○			15	54	46	95	12		830	
	MD-019-0-D1930-...-	M 30 x 1,5	○	○			19	54	46	97	14		830	
 <p>metric male thread with 60° sealing cone to DIN 7631, extended thread for bulkhead mounting, max. thickness 10 mm</p>	MD-019-0-DV022-...-	M 30 x 1,5	○				19	54	46	128	45		920	
 <p>metric male thread with 24° sealing cone to DIN 2353 (light duty series L, heavy duty series S)</p>	MD-019-0-L1826-...-	M 26 x 1,5	○	○		L	18	16	54	46	95	12	830	
	MD-019-0-L2230-...-	M 30 x 2	○	○		L	22	20	54	46	97	14	830	
	MD-019-0-S2030-...-	M 30 x 2	○	○		S	20	16	54	46	99	16	850	
	MD-019-0-S2536-...-	M 36 x 2	○	○		S	25	20	54	46	101	18	870	
 <p>British standard pipe parallel (BSPP) female thread to DIN ISO 228</p>	MD-019-0-WR526-...-	BSPP 3/4"	●	○				54	46	94	19		900	
	MD-019-0-WR533-...-	BSPP 1"	●	○				54	46	98	23		880	

Availability: ● Short ○ Medium ○ Long

Self sealing adaptors

	Part No.	Conne- tion A	steel zinc/ oil burn.	brass passivated	AlSi 316 ti/ 1.4571	series	pipe OD	n. b.	d	SW	l	t	n	weight [g]
 <p>British standard pipe parallel (BSPP) male thread to DIN ISO 228</p>	MD-019-2-WR026-...-.	BSPP 3/4"	●	○	○				54	46	99	17	35,5	710
	MD-019-2-WR033-...-.	BSPP 1"	●	○	○				54	46	102	20	35,5	740
 <p>British standard pipe parallel (BSPP) male thread to DIN ISO 228, sealing profile "E" to DIN 3852-11 for o-ring or sealing ring.</p>	MD-019-2-WE026-...-.	BSPP 3/4"	○						54	46	101	16	35,5	720
 <p>BSPP male thread to DIN ISO 228/BS 5200 with 60° sealing cone</p>	MD-019-2-VR026-...-.	BSPP 3/4"	○		○			19	54	46	99	17	35,5	710
	MD-019-2-VR033-...-.	BSPP 1"	○		○			19	54	46	102	20	35,5	740
 <p>metric male thread with 60° sealing cone to DIN 7631</p>	MD-019-2-D1526-...-.	M 26 x 1,5	○		○			15	54	46	94	12	35,5	700
	MD-019-2-D1930-...-.	M 30 x 1,5	○		○			19	54	46	96	14	35,5	700
 <p>metric male thread with 60° sealing cone to DIN 7631, extended thread for bulkhead mounting, max. thickness 10 mm</p>	MD-019-2-DV022-...-.	M 30 x 1,5	○					19	54	46	127	45	35,5	790
 <p>metric male thread with 24° sealing cone to DIN 2353 (light duty series L, heavy duty series S)</p>	MD-019-2-L1826-...-.	M 26 x 1,5	○		○	L	18	16	54	46	94	12	35,5	700
	MD-019-2-L2230-...-.	M 30 x 2	●		○	L	22	20	54	46	96	14	35,5	700
	MD-019-2-S2030-...-.	M 30 x 2	●		○	S	20	16	54	46	98	16	35,5	720
	MD-019-2-S2536-...-.	M 36 x 2	●		○	S	25	20	54	46	100	18	35,5	740
 <p>British standard pipe parallel (BSPP) female thread to DIN ISO 228</p>	MD-019-2-WR526-...-.	BSPP 3/4"	●	○	○				54	46	93	19	35,5	770
	MD-019-2-WR533-...-.	BSPP 1"	●	○	○				54	46	97	23	35,5	750

characteristic features:

- stainless steel version 1.4404/1.4571 or similar in smooth variant with gripping grooves instead knurling

optional features:

GG = with ring grips (cast aluminium)
OV = without valve
SI = with additional axial safety lock (outer diameter 58 mm)

materials:

standard:
19 = steel zinc plated, partially oil burnished
21 = brass, passivated
01 = stainless steel 1.4404/1.4571 or similar

special materials:

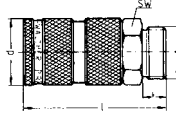
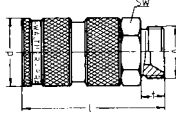
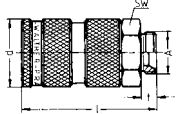
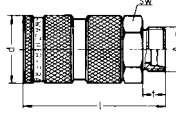
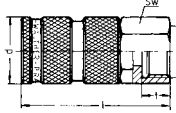
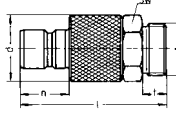
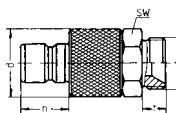
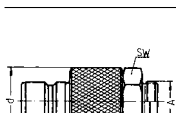
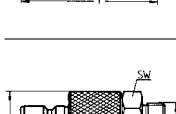

13 = steel, chem. nickel plated
24 = brass, chem. nickel plated
22 = brass, chrome plated

seal qualities:

1 = NBR (Perbunan)
2 = FPM (Viton)
4 = EPDM

Please note the technical data on pages 2 - 7, 65 and the max. working pressures on page 49

Availability: ● Short ○ Medium ○ Long

	Part No.	Connec- tion A	steel zinc/ oil burn.	brass passivated	AISI 316 ti/ 1.4571	series	pipe OD	n. b.	d	SW	l	t	n	weight [g]	
Self sealing couplings	 British standard pipe parallel (BSPP) male thread to DIN ISO 228	MD-025-0-WR048-...-	BSPP 1 1/2"	●	○	○			62	55	132	22		1710	
	 BSPP male thread to DIN ISO 228/BS 5200 with 60° sealing cone	MD-025-0-VR048-...-	BSPP 1 1/2"	●		○			62	55	132	22		1640	
	 metric male thread with 60° sealing cone to DIN 7631	MD-025-0-D2538-...-	M 38 x 1,5	●		○			25	62	55	124	14	1650	
	 metric male thread with 24° sealing cone to DIN 2353 (light duty series L, heavy duty series S)	MD-025-0-S3042-...-	M 42 x 2	●		○	S	30	25	62	55	130	20	1610	
	 British standard pipe parallel (BSPP) female thread to DIN ISO 228	MD-025-0-WR548-...-	BSPP 1 1/2"	●	○	○			62	55	138,5	25		1740	
Self sealing adaptors	 British standard pipe parallel (BSPP) male thread to DIN ISO 228	MD-025-2-WR048-...-	BSPP 1 1/2"	●	○	○			62	55	133	22	45	1370	
	 BSPP male thread to DIN ISO 228/BS 5200 with 60° sealing cone	MD-025-2-VR048-...-	BSPP 1 1/2"	●		○			62	55	133	22	45	1300	
	 metric male thread with 60° sealing cone to DIN 7631	MD-025-2-D2538-...-	M 38 x 1,5	●		○			25	62	55	125	14	45	1310
	 metric male thread with 24° sealing cone to DIN 2353 (light duty series L, heavy duty series S)	MD-025-2-S3042-...-	M 42 x 2	●		○	S	30	25	62	55	131	20	45	1280
	 British standard pipe parallel (BSPP) female thread to DIN ISO 228	MD-025-2-WR548-...-	BSPP 1 1/2"	●	○	○			62	55	139,5	25	45	1400	

optional features:

GG = with ring grips (cast aluminium)
 OV = without valve
 SI = with additional axial safety lock
 (outer diameter 89 mm)

materials:

standard:
 19 = steel zinc plated, partially oil burnished
 21 = brass, passivated
 01 = stainless steel 1.4404/1.4571 or similar

seal qualities:

1 = NBR (Perbunan)
 2 = FPM (Viton)
 4 = EPDM

special materials:

13 = steel, chem. nickel plated
 24 = brass, chem. nickel plated
 22 = brass, chrome plated
 31 = aluminium anodized silver

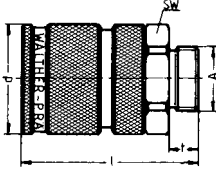
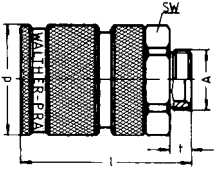
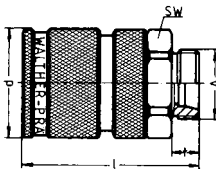
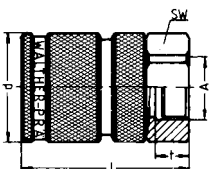
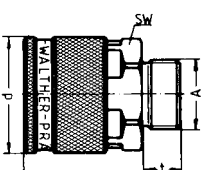
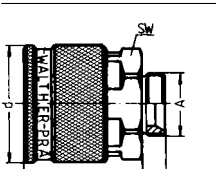
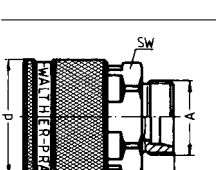
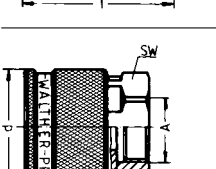
Please note the technical data on pages 2 - 7, 65 and the max. working pressures on page 49

Availability: ● Short ○ Medium ○ Long

Self sealing couplings

Thru type couplings

Series MD

	Part No.	Conne- tion A	steel zinc/ oil burn.	brass passivated	AlSi 316 ti/ 1.4571	series	pipe OD	n. b.	d	SW	l	t	n	weight [g]	
 <p>British standard pipe parallel (BSPP) male thread to DIN ISO 228</p>	MD-032-0-WR048-...-	BSPP 1 1/2"	●	○	○				82	75	139	22		3080	
	MD-032-0-WR060-...-	BSPP 2"	○	○	○				82	75	143	26		3290	
	 <p>metric male thread with 60° sealing cone to DIN 7631</p>	MD-032-0-D3245-...-	M 45 x 1,5	○	○	○			32	82	75	128	16		2880
		 <p>metric male thread with 24° sealing cone to DIN 2353 (light duty series L, heavy duty series S)</p>	MD-032-0-S3852-...-	M 52 x 2	○	○	○	S	38	32	82	75	134	22	
 <p>British standard pipe parallel (BSPP) female thread to DIN ISO 228</p>	MD-032-0-WR548-...-		BSPP 1 1/2"	●	○	○			82	75	126	25		3050	
	MD-032-0-WR560-...-	BSPP 2"	○	○	○			82	75	130	29			2920	
 <p>British standard pipe parallel (BSPP) male thread to DIN ISO 228</p>	MD-032-4-WR048-...-	BSPP 1 1/2"	○	○	○				82	70	110	23		2190	
	MD-032-4-WR060-...-	BSPP 2"	○	○	○				82	70	113	26		2390	
	 <p>metric male thread with 60° sealing cone to DIN 7631</p>	MD-032-4-D3245-...-	M 45 x 1,5	○	○	○			32	82	70	103	16		2140
		 <p>metric male thread with 24° sealing cone to DIN 2353 (light duty series L, heavy duty series S)</p>	MD-032-4-S3852-...-	M 52 x 2	○	○	○	S	38	32	82	70	109	22	
 <p>British standard pipe parallel (BSPP) female thread to DIN ISO 228</p>	MD-032-4-WR548-...-		BSPP 1 1/2"	○	○	○			82	70	87	25		1890	
	MD-032-4-WR560-...-	BSPP 2"	○	○	○			82	70	87	27			1700	

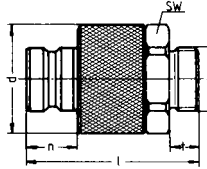
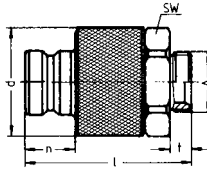
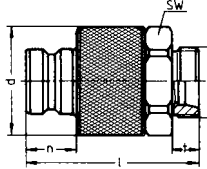
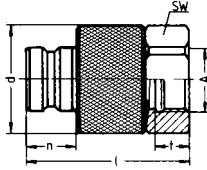
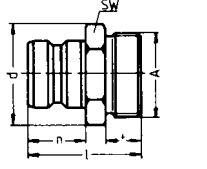
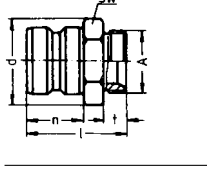
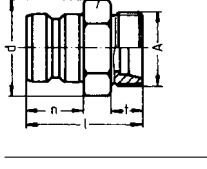
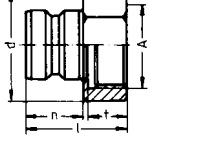
optional features:
OV = without valve

materials:
standard:
19 = steel zinc plated, partially oil burnished
21 = brass, passivated
01 = stainless steel 1.4404/1.4571 or similar
12 = steel, oil burnished
special materials:
13 = steel, chem. nickel plated
24 = brass, chem. nickel plated
22 = brass, chrome plated
31 = aluminium anodized silver

seal qualities:
1 = NBR (Perbunan)
2 = FPM (Viton)
4 = EPDM

Please note the technical data on pages 2 - 7, 65 and the max. working pressures on page 49

Availability: ● Short ○ Medium ○ Long

		Part No.	Conne- tion A	steel zinc/ oil burn.	brass passivated	AISI 316 ti/ 1.4571	steel oil burnished	series	pipe OD	n. b.	d	SW	l	t	n	weight [g]	
Self sealing adaptors		MD-032-2-WR048-...-. MD-032-2-WR060-...-.	BSPP 1 1/2" BSPP 2"	● ○	● ○	○ ○					82 82	75 75	137,5 141,5	22 26	41 41	2600 2810	
		MD-032-2-D3245-...-.	M 45 x 1,5	○		○				32	82	75	126,5	16	41	2400	
		MD-032-2-S3852-...-.	M 52 x 2		●		○		S	38	32	82	75	132,5	22	41	2460
		MD-032-2-WR548-...-. MD-032-2-WR560-...-.	BSPP 1 1/2" BSPP 2"		● ●		○ ○					82 82	75 75	124,5 128,5	25 29	41 41	2570 2440
Thru type adaptors		MD-032-1-WR048-...-. MD-032-1-WR060-...-.	BSPP 1 1/2" BSPP 2"		○ ○	○ ○	○ ○				60 72,5	55 65	82 88	22 26	41 41	620 670	
		MD-032-1-D3245-...-.	M 45 x 1,5		○	○	○			32	61,3	55	70,5	16	41	510	
		MD-032-1-S3852-...-.	M 52 x 2		○	○	○		S	38	32	66,9	60	82	22	41	630
		MD-032-1-WR548-...-. MD-032-1-WR560-...-.	BSPP 1 1/2" BSPP 2"		○ ○	○ ○	○ ○					66 78	60 70	75 77	25 27	41 41	700 820

optional features:

GG = with ring grips (cast aluminium)
 OV = without valve
 SI = with additional axial safety lock
 (outer diameter 116 mm)

materials:

standard:
 19 = steel zinc plated, partially oil burnished
 21 = brass, passivated
 01 = stainless steel 1.4404/1.4571 or similar

seal qualities:

1 = NBR (Perbunan)
 2 = FPM (Viton)
 4 = EPDM

special materials:

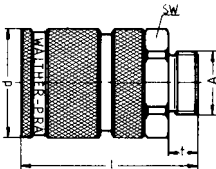
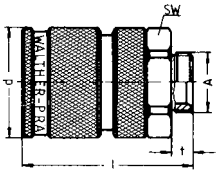
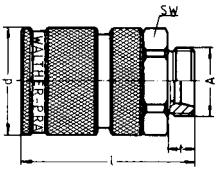
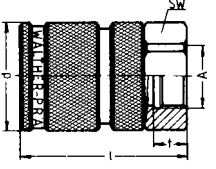
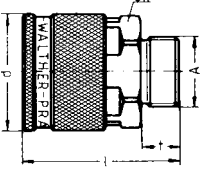
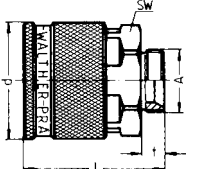
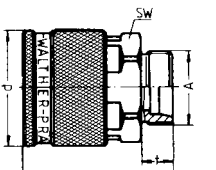
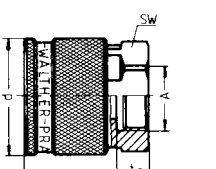
13 = steel, chem. nickel plated
 24 = brass, chem. nickel plated
 22 = brass, chrome plated
 31 = aluminium anodized silver

Please note the technical data on pages 2 - 7, 65 and the max. working pressures on page 49

Availability: ● Short ○ Medium ○ Long

Self sealing couplings

Thru type couplings

Part No.	Conne- tion A	steel zinc/ oil burn.	brass passivated	AISI 316 ti/ 1.4571	series	pipe OD	n. b.	d	SW	l	t	n	weight [g]
 <p>British standard pipe parallel (BSPP) male thread to DIN ISO 228</p>	MD-050-0-WR060-...- MD-050-0-WR075-...-	BSPP 2" BSPP 2 1/2"	●	○	○			112	100	162	26		5530
			○	○	○			112	100	164	30		5540
 <p>metric male thread with 60° sealing cone to DIN 7631</p>	MD-050-0-D4965-...-	M 65 x 2	○	○			49	112	100	159	18		5460
 <p>metric male thread with 24° sealing cone to DIN 2353 (light duty series L, heavy duty series S)</p>	MD-050-0-L4252-...-	M 52 x 2	○	○	L	42	36	112	100	158	16		5410
 <p>British standard pipe parallel (BSPP) female thread to DIN ISO 228</p>	MD-050-0-WR560-...- MD-050-0-WR575-...-	BSPP 2" BSPP 2 1/2"	●	○	○			112	100	158	29		6140
			○	○	○			112	100	167	33		5930
 <p>British standard pipe parallel (BSPP) male thread to DIN ISO 228</p>	MD-050-4-WR060-...- MD-050-4-WR075-...-	BSPP 2" BSPP 2 1/2"	○	○	○			112	100	132,5	26		4090
			○	○	○			112	100	137,5	30		4340
 <p>metric male thread with 60° sealing cone to DIN 7631</p>	MD-050-4-D4965-...-	M 65 x 2	○	○			49	112	100	125,5	18		3980
 <p>metric male thread with 24° sealing cone to DIN 2353 (light duty series L, heavy duty series S)</p>	MD-050-4-L4252-...-	M 52 x 2	○	○	L	42	36	112	100	122	16		3920
 <p>British standard pipe parallel (BSPP) female thread to DIN ISO 228</p>	MD-050-4-WR560-...- MD-050-4-WR575-...-	BSPP 2" BSPP 2 1/2"	○	○	○			112	100	112	29		4600
			○	○	○			112	100	112	33		4100

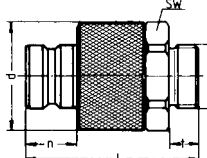
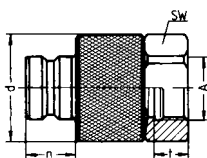
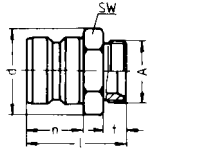
optional features:
OV = without valve

materials:
standard:
19 = steel zinc plated, partially oil burnished
21 = brass, passivated
01 = stainless steel 1.4404/1.4571 or similar
12 = steel, oil burnished
special materials:
13 = steel, chem. nickel plated
24 = brass, chem. nickel plated
22 = brass, chrome plated
31 = aluminium anodized silver

seal qualities:
1 = NBR (Perbunan)
2 = FPM (Viton)
4 = EPDM

Please note the technical data on pages 2 - 7, 65 and the max. working pressures on page 49

Availability: ● Short ○ Medium ○ Long

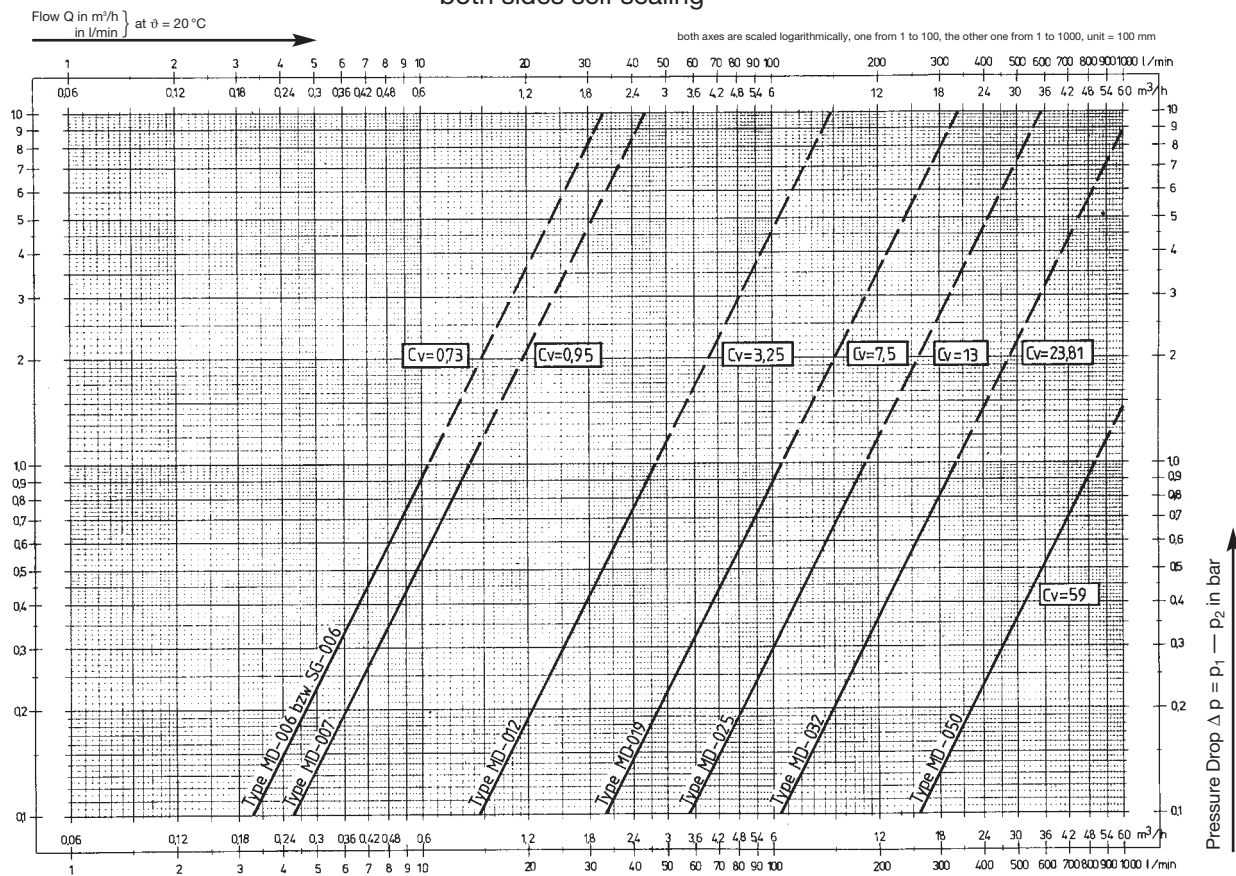
	Part No.	Connection A	steel zinc/oil burn.	brass passivated	AISI 316 ti/1.4571	steel oil burnished	series	pipe OD	n. b.	d	SW	l	t	n	weight [g]
Self sealing adaptors	 <p>British standard pipe parallel (BSPP) male thread to DIN ISO 228</p>	MD-050-2-WR060-...- MD-050-2-WR075-...-	BSP 2" BSP 2 1/2"	● ○	○ ○	○ ○			112 112	100 100	162 164	26 30	50 50	5010 5020	
		MD-050-2-D4965-...- MD-050-2-L4252-...-	M 65 x 2 M 52 x 2	○ ○	○ ○	○ ○			49 36	112 112	100 100	159 158	18 16	50 50	4940 4890
	 <p>British standard pipe parallel (BSPP) female thread to DIN ISO 228</p>	MD-050-2-WR560-...- MD-050-2-WR575-...-	BSP 2" BSP 2 1/2"	● ○	○ ○	○ ○			112 112	100 100	158 167	29 33	50 50	5620 5410	
		MD-050-1-WR060-...- MD-050-1-WR075-...-	BSP 2" BSP 2 1/2"	○ ○	○ ○	○ ○			92 92	85 85	92 96	26 30	50 50	1660 1720	
Thru type adaptors	 <p>metric male thread with 60° sealing cone to DIN 7631</p>	MD-050-1-D4965-...- MD-050-1-L4252-...-	M 65 x 2 M 52 x 2	○ ○	○ ○	○ ○			49 36	92 92	85 85	93 91	18 16	50 50	1550 1510
		MD-050-1-WR560-...- MD-050-1-WR575-...-	BSP 2" BSP 2 1/2"	○ ○	○ ○	○ ○			92 92	85 85	86 89	29 33	50 50	1930 1580	

Measured according to VDI / VDE 2173

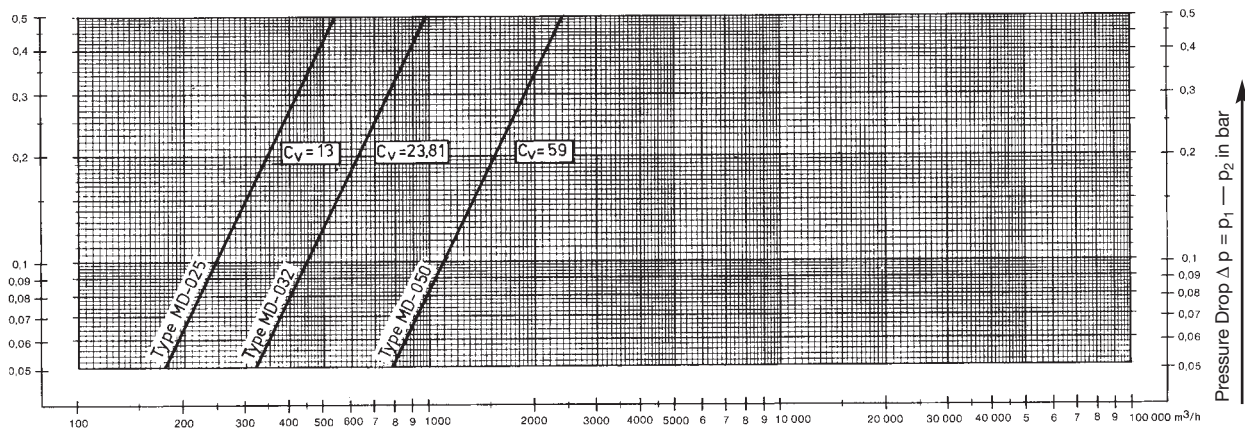
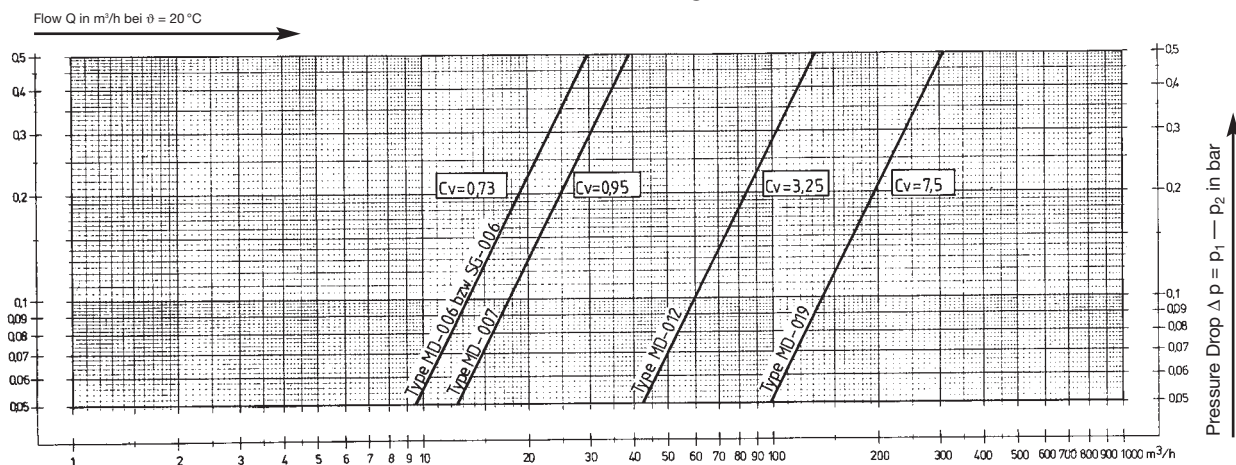
Flow speeds of 8 m/sec should not be exceeded

Medium Water both sides self sealing

1 bar = 14,5 PSI

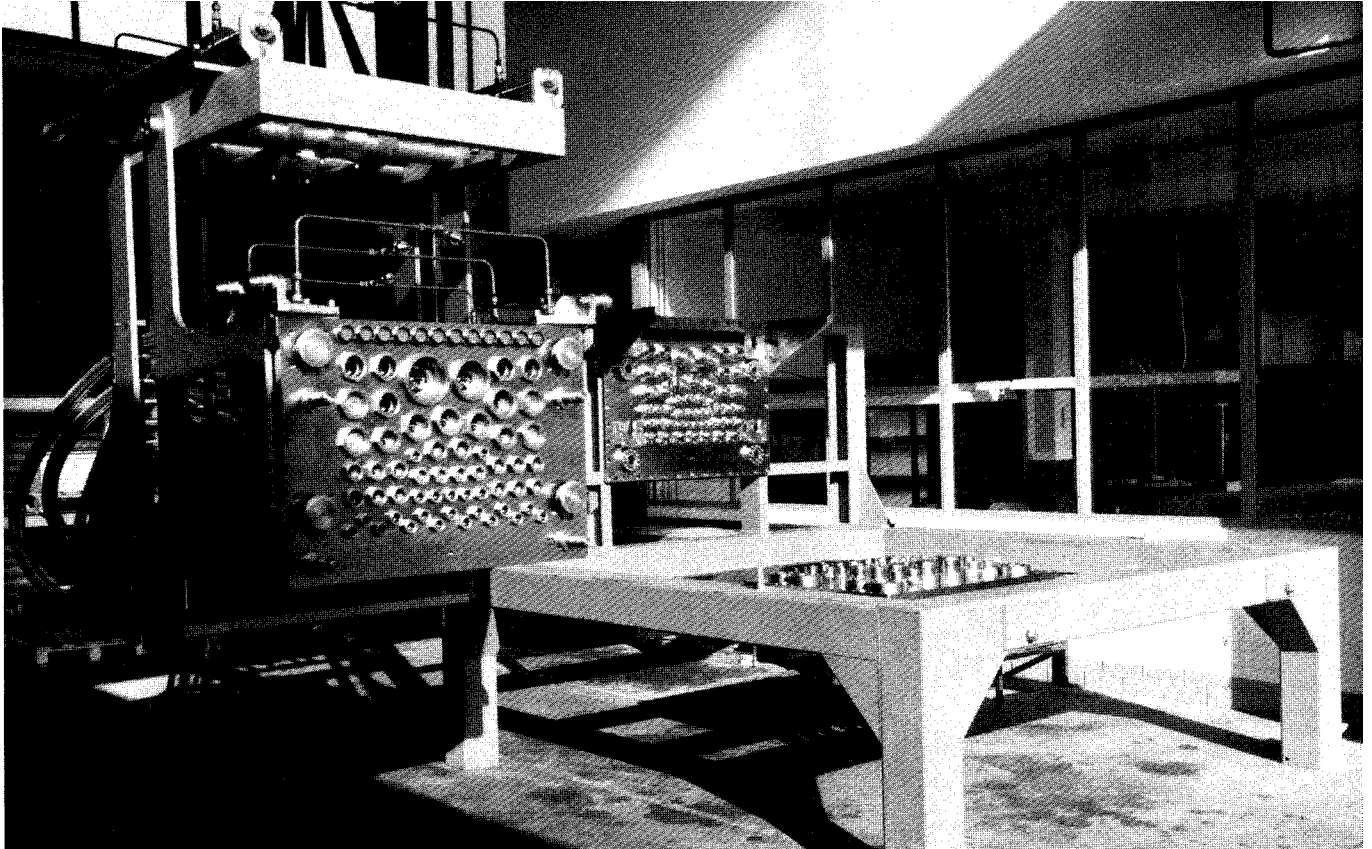


Medium Air working pressure 6 bar gauge pressure both sides self sealing



Know-how:

WALTHER Quick Release Coupling Systems for Nuclear Technology



Examples: Two way docking system which is seismic shock proof and forms part of power supply and regulating system to Modules.

WALTHER quick release coupling systems have been approved for many years. Monocouplings and multicouplings are incorporated in equipment for routine applications or forming part of extremely complex systems.

