



HILMA

Accessories



Accessories

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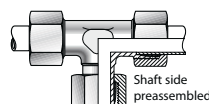
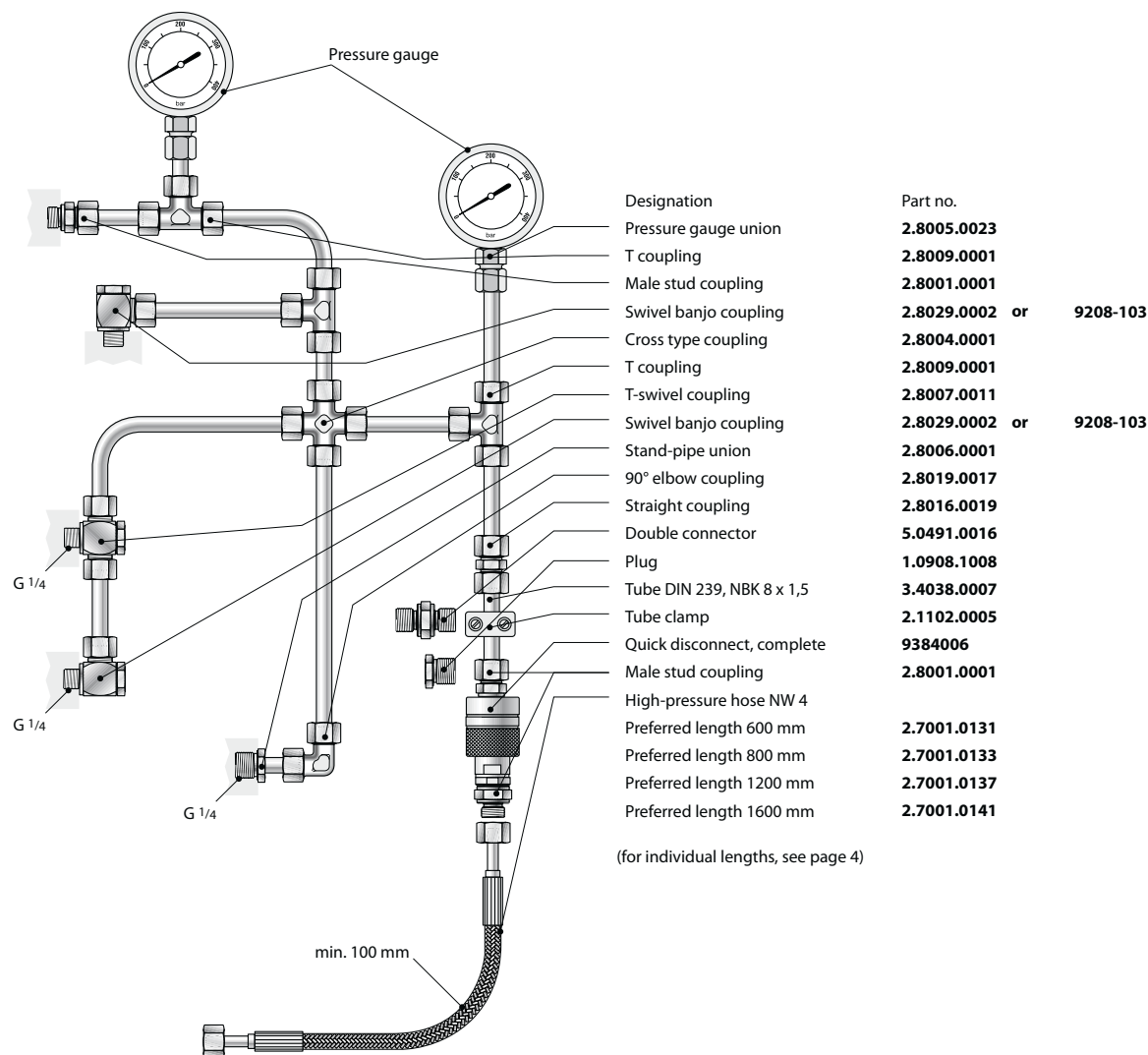
P r o d u c t s *f o r* p r o d u c t i v i t y



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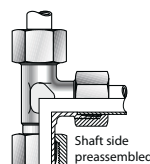
Screw fittings

max. operating pressure 400 bar, sealing using sealing ring and sealing cone



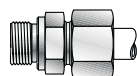
T-coupling

Part no.	Type	Connect.
2.8026.0008	EVT 6-PS	M14 x 1,5
2.8026.0009	EVT 8-PS	M16 x 1,5
2.8026.0003	EVT 12-PS	M20 x 1,5



L-coupling

Part no.	Type	Connect.
2.8014.0011	EVL 6-PS	M14 x 1,5
2.8014.0012	EVL 8-PS	M16 x 1,5
2.8014.0014	EVL 12-PS	M20 x 1,5



Male stud coupling

Part no.	Type	Connect.
2.8001.0004	GE 6-PSR	G 1/4
2.8001.0001	GE 8-PSR	G 1/4
2.8001.0006	GE 12-PSR	G 3/8
2.8001.0007	GE 16-PSR	G 1/2



Straight coupling

Part no.	Type	Pipe Ø
2.8016.0018	G 6-PS	6
2.8016.0019	G 8-PS	8
2.8016.0021	G 12-PS	12
2.8016.0023	G 16-PS	16

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Screw fittings

max. operating pressure 400 bar, sealing using sealing ring and sealing cone

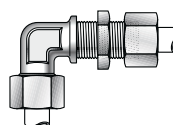


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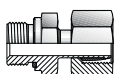
Bulkhead fitting, straight

Part no.	Type	Pipe Ø
2.8003.0002	SV 6-PS	6
2.8003.0003	SV 8-PS	8
2.8003.0005	SV 12-PS	12



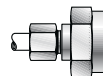
90° elbow bulkhead fitting

Part no.	Type	Pipe Ø
2.8020.0006	WSV 6-PS	6
2.8020.0008	WSV 8-PS	8
2.8020.0012	WSV 12-PS	12



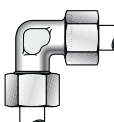
Male stud coupling

Part no.	Type	Pipe Ø	Connect.
2.8006.0005	EVGE 6-PS	6	G ¼
2.8006.0001	EVGE 8-PS	8	G ¼
2.8006.0006	EVGE 12-PS	12	G ¾
2.8006.0010	EVGE 16-PS	16	G ½



Reducer with sealing cone

Part no.	Type
2.8002.0004	RED 8/ 6-PS
2.8002.0008	RED 12/ 6-PS
2.8002.0010	RED 12/ 8-PS
2.8002.0014	RED 16/ 6-PS
2.8002.0015	RED 16/ 8-PS
2.8002.0016	RED 16/12-PS



90° elbow coupling

Part no.	Type	Pipe Ø
2.8019.0016	W 6-PS	6
2.8019.0017	W 8-PS	8
2.8019.0019	W 12-PS	12
2.8019.0021	W 16-PS	16



90° elbow coupling, adjustable

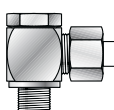
Part no.	Type	Connect.
2.8013.0011	EVW 6-PS	M14 x 1,5
2.8013.0012	EVW 8-PS	M16 x 1,5
2.8013.0014	EVW 12-PS	M20 x 1,5



Thread reducing adapter

Part no.	Type
1.2616.0001	RI 1/4 x 3/8
1.2616.0012	RI 3/8 x 1/4
1.2616.0013	RI 3/8 x 1/2
1.2616.0014	RI 1/2 x 1/4
1.2616.0015	RI 1/2 x 3/8
1.2616.0021	RI 1/4 x 1/8

RI = female thread



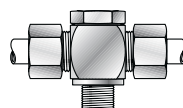
90° swivel banjo coupling

Part no.	Type	Connect.
2.8029.0001	WH 6-PSR	G ¼
2.8030.0012	WH 6-LR	G ¼
2.8029.0002	WH 8-PSR	G ¼
2.8029.0004	WH 12-PSR	G ¾
2.8029.0006	WH 16-PSR	G ½
9208103	SVH 8 SR	e.g. for use in forging presses
9208043	Single passage rotary coupling	



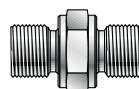
Plug

Part no.	Type	Connect.
1.0908.1008	VSTI 1/8 ED	G ¼
1.0908.1009	VSTI 1/4 ED	G ¼
1.0908.1010	VSTI 3/8 ED	G ¾
1.0908.1011	VSTI 1/2 ED	G ½
1.0908.2004	Viton	G ¼
1.0908.2005	Viton	G ¼
1.0908.2006	Viton	G ¾
1.0908.2008	Viton	G ½



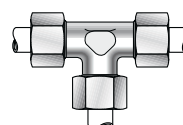
T-swivel coupling

Part no.	Type	Connect.
2.8007.0010	TH 6-PSR	G ¼
2.8007.0011	TH 8-PSR	G ¼
2.8007.0013	TH 12-PSR	G ¾
2.8007.0015	TH 16-PSR	G ½



Double connector

Part no.	Connect.
5.0491.0016	G ¼ - G ¼
5.0491.0018	G ¼ - G ¾
5.0491.0022	G ¾ - G ¾



T-coupling

Part no.	Type	Rohr Ø
2.8009.0002	T 6-PS	6
2.8009.0001	T 8-PS	8
2.8009.0005	T 12-PS	12
2.8009.0006	T 16-PS	16



Tube

Part no.	Dimensions
3.4038.0003	Ø 6 x 1,0 (max. 400 bar)
3.4038.0007	Ø 8 x 1,5 (max. 400 bar)
3.4038.0008	Ø 8 x 2,0
3.4038.0013	Ø 12 x 2,0
3.4038.0044	Ø 12 x 2,5
3.4038.0056	Ø 16 x 3,0

Stainless steel tube

Part no.	Dimensions
3.4038.1001	Ø 6 x 1,0
3.4038.1004	Ø 8 x 1,5
3.4038.1005	Ø 8 x 2,0

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High-pressure hoses NW4

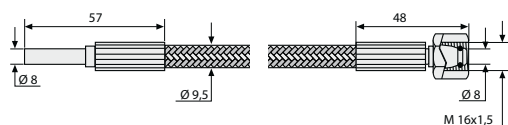
The freely selectable hose lengths should be generously dimensioned, in order to avoid kinking, chafing, torsion, pull and crushing loads as well as too tight bending radii. Hoses must be protected against hot chips. Bursting pressure: 2000 bar, minimum bending radius: 100 mm. For more information, see DIN 20066.

Part no. for variable lengths and connections

4 . 500 . 1500 . 2 . 3

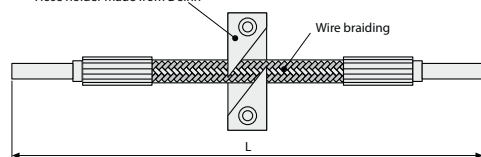
Hose inside diameter (mm) _____
Operating pressure max. 500 bar _____
Hose length (mm) _____
Hose connection left side _____
Hose connection right side _____

High-pressure hoses



Part-no. 5.5065.0003

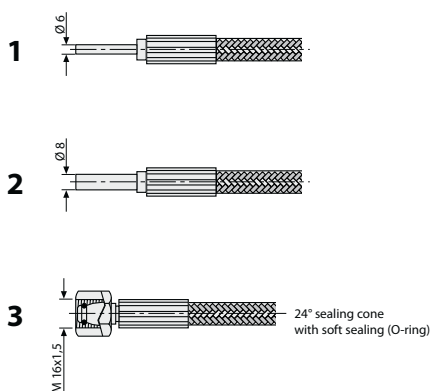
Hose holder made from Delrin



Please note:

In the case of hoses with a pipe connection for pre-assembly of the cutting ring, a hardened connecting piece should be used.

Hose connections left side / right side



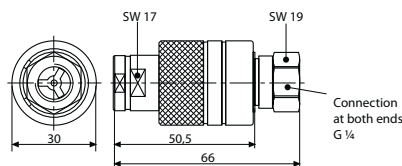
Preferred lengths of type 4.500.XXXX.3.3

both ends with hose connection union nut
M 16 x 1.5 (available from stock)

Part no.	Length	Connection
2.7001.0131	600 mm	both sides M 16 x 1,5
2.7001.0133	800 mm	both sides M 16 x 1,5
2.7001.0137	1200 mm	both sides M 16 x 1,5
2.7001.0141	1600 mm	both sides M 16 x 1,5

Quick disconnect (Closes seals)

The quick disconnect is a coupling in rugged design which closes as it is disconnected. Connection and disconnection is made in the unpressurised condition. The stop sleeves can be moved in either direction and thus allow easy one hand operation.



Part no.	Quick disconnect, complete
9384-006	Coupler
9384-101	Fitting
9384-206	Dust protection plug
9384-300	Dust protection fitting
9384-400	Spare sealing O-ring
3001-091	Spare sealing back-up ring
3000-228	Spare sealing back-up ring

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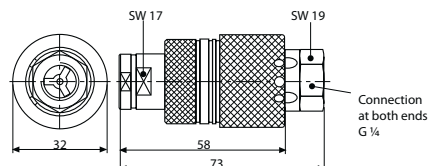
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Coded quick disconnects

If there are several connection points, there is the risk of confusion. Coded quick disconnects are colour-coded and in addition they are provided with a pin inside the plug which only fits into the groove of the corresponding fitting. Thus, the risk of confusion is banished.



Coding	Part no. Quick disconnect complete	Part no. Plug separate	Part no. Fitting separate
black	9384-710	9384-716	9384-717
white*	9384-725	9384-726	9384-727
red	9384-730	9384-736	9384-737
yellow	9384-740	9384-746	9384-747
green	9384-750	9384-756	9384-757
blue	9384-760	9384-766	9384-767

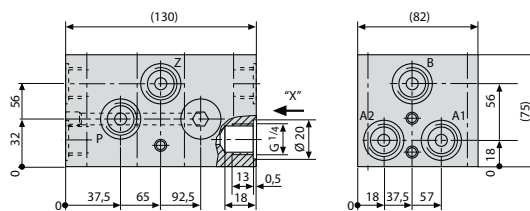
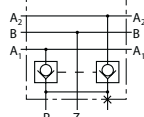
* The plug coded in white is provided with a preload valve (VCV) which limits in the disconnected condition possible pressure build-up due to inner leakage in the hydraulic clamping element to approx. 5 bar. In the connected condition, the preload valve has no effect.

Connector block

with pilot controlled check valves



Schematic symbol



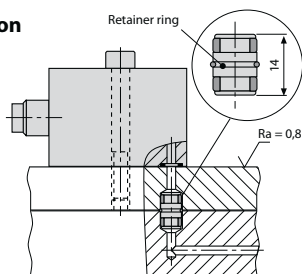
Part no.	Connecting thread
8.9825.0290	2 x G 3/8 + 6 x G 1/4
8.9825.0300	8 x G 3/8

Control pressure = 0.38 x operating pressure + 12

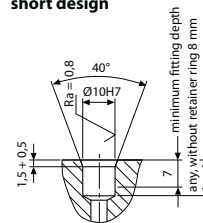
Plug-in connection

for plates and piping boards, max. 500 bar,
nominal width 5 mm

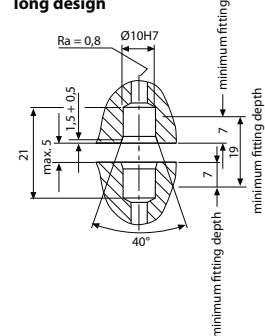
Examples of installation



Installation space short design



Installation space long design



Part no.	Length	Max. pressure bar	Seal
9210-132	14 mm	500	Viton
9210-127	19 mm	500	Viton

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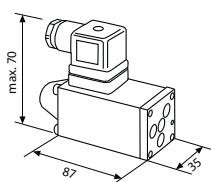


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Directional seat valve

3/2-way valve on the basis of a leakage-free tight ball seat valve. Compact design by integrating the valve components in the magnetic body. Maximum volume flow 8 l/min, max. operating pressure 400 bar.

Magnet voltage 24 V DC, temperature range -40°C to +80°, emergency hand operation.



Part no.	Designation	Switching symbol	for power unit
2.9220.6001	WH 1 D		type 5 or 6
2.9220.6003	WH 1 N		type 5 or 6
2.9220.6004	WH 1 R		type 5 oder 6
2.9220.6009	WH 1 F		type 5 or 6
2.9220.1042	GZ 3-1 A24	for customer-specific power units	
2.9220.1043	G 3-1 A24		

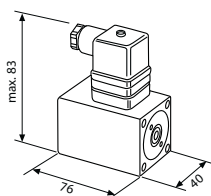
Pressure switch

Miniature pressure switch, adjustable as a piston pressure switch. Temperature range -40°C to +80°, max. operating pressure 600 bar (depending on the type).

Pressure switch XTK

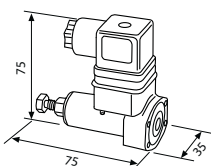


Connecting plate G 1/4



Part no.	Designation	Adjusting range (in bar)	for power unit
2.9400.0009	XTK-600	130 - 600	type 5
2.9400.0012	XTK-400	100 - 400	type 5
2.9400.0035	XTK-200	60 - 200	type 5
2.9400.0011	XTK-100	30 - 100	type 5
2.9502.0003	Connecting plate for pipe connection		

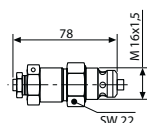
Pressure switch DG



Part no.	Designation	Adjusting range (in bar)	for power unit
2.9400.0019	DG 33	200 - 600	type 6
2.9400.0020	DG 34	100 - 350	type 6
2.9400.0021	DG 35	20 - 210	type 6

Pressure relief valve

Safety valve to prevent exceeding the maximum admissible pressure and for limiting operating pressures.



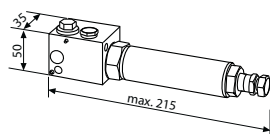
Part no.	Designation	Switching symbol	for power unit
2.9230.0114	CMV 1B - 420		type 5

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Pressure control valve

Pressure control valve for keeping the lower output pressure in the secondary circuit constant without affecting the higher pressure in the primary circuit. Screw-in type valve in combination with connector block.

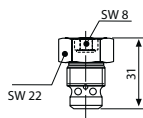
Part no.	Designation	Switching symbol	for power unit
2.9232.0023	CZ 5/80/5R		type 5



Pressure gauge

with spring made from steel tube and glycerine filling,

Part no.	Operating pressure (bar)	Connection	for power unit
1.3866.0004	0 - 1000	G 1/4, bottom	type 6
1.3866.0040	0 - 100	G 1/4, bottom	type 5
1.3866.0051	0 - 600	G 1/4, rear	type 5

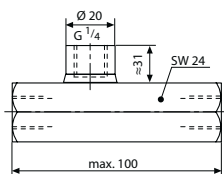


Check valve

Stop valve with free flow in one direction and blocked oil flow in the opposite direction.

Part no.	Designation	Connection	Switching symbol
2.9250.0076	CRK 1	M 16 x 1,5	B A

pilot-controlled through hydraulic pressure
control pressure = 0.38 x operating pressure + 12



Check valve for installation in tubes

Stop valve with one-way flow. Housing made from galvanised steel. Spring-loaded ball seat valve, leakage-free.

Part no.	Designation	pilot controlled	Connection	Switching symbol
2.9250.0008	B2-1	no	G 1/4	B A
2.9250.0009	B2-2	no	G 3/8	
2.9250.0010	B2-3	no	G 1/2	
2.9250.0047	RH1	yes	G 1/4	B A
2.9250.0034	RH2	yes	G 3/8	

Hydraulic oil

Part no.	Designation	Temperature range °C	Drum (litres)
6.9895.0010	HLP 32	10 - 50	1
6.9891.0010	HLP 32	10 - 50	5
6.9896.0010	HLP 46	20 - 60	1
6.9897.0010	HLP 46	20 - 60	5

Hydraulic oil Oemeta virtually inflammable

Part no.	Designation	Temperature range °C	Drum (litres)
6.9892.0020	HF-Du	10 - 170	1
6.9893.0020	HF-Du	10 - 170	5
6.9894.0020	HF-Du	10 - 170	20

(e.g. for use in forging presses)

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