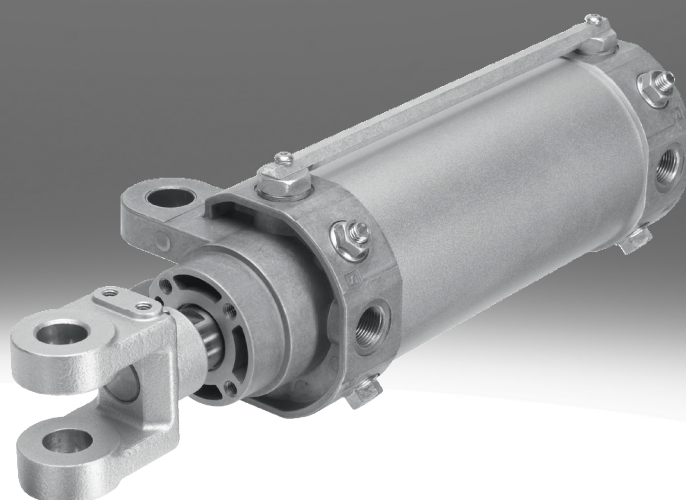


Hinge cylinder DW

FESTO



Characteristics

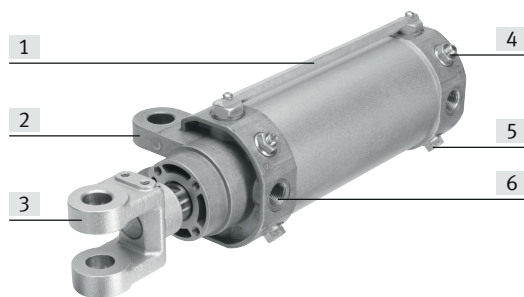
At a glance

[Link](#) [dw](#)

Ideal for clamping components during the welding process: The round cylinder DW in articulated design. Swivel bearing on the bearing cap.

- For clamping components during the welding process
- Double-acting
- Easy to mount thanks to the swivel bearing on the bearing cap
- Integrated flow restrictors
- Integrated end-position cushioning
- Rod wiper seal to protect against welding spatter
- Asian automotive standard for car body production

Overview



[1] Various options for sensing the piston rod position:

- Via sensor rail
- Via mounting kit with proximity switch
- Via external proximity switch using a switch lever

[2] Swivel bearing on the cylinder. The fork gaps of the rod clevis and swivel bearing are identical

[3] Different rod clevis widths available

[4] Integrated flow control

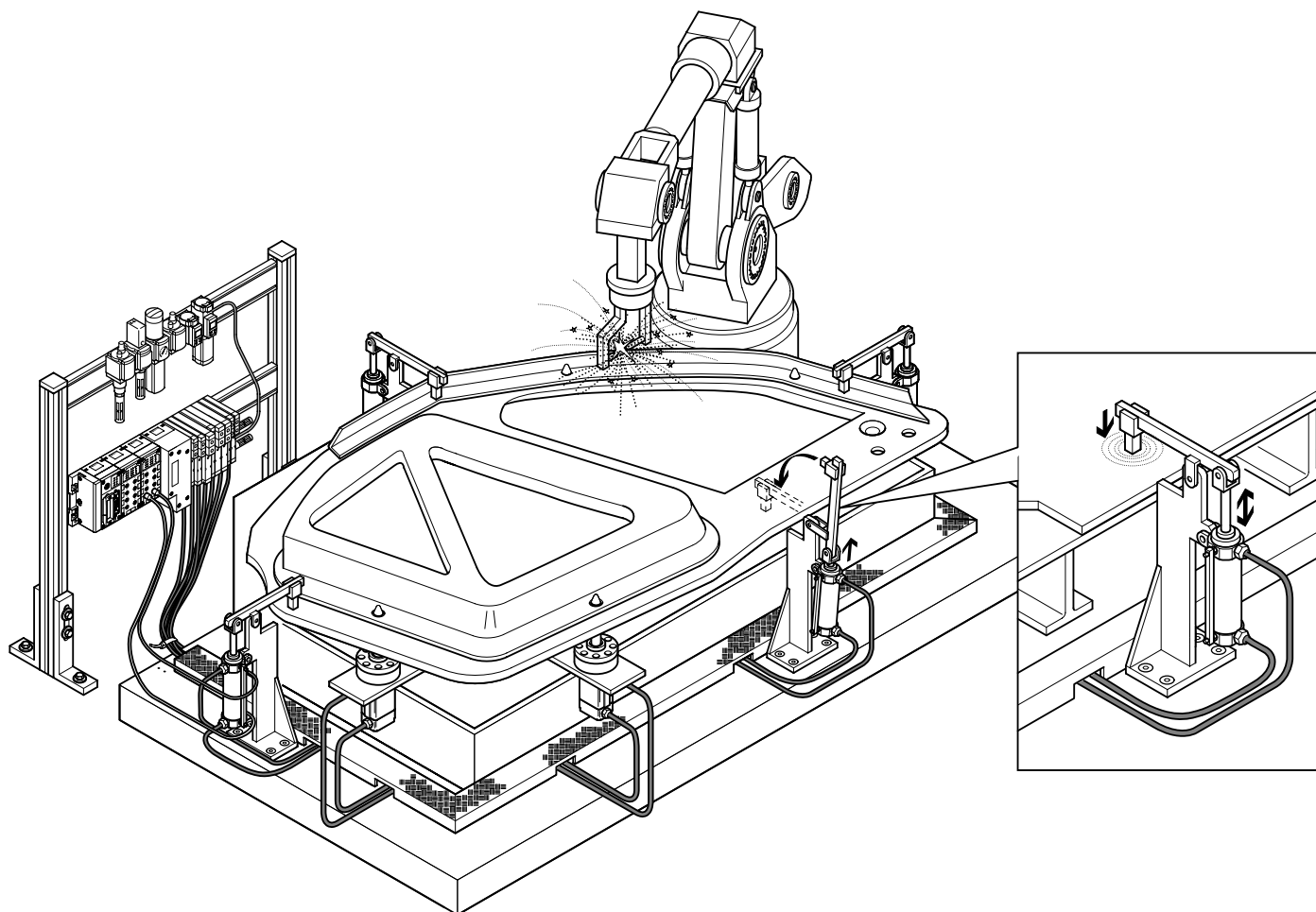
[5] Integrated end-position cushioning

[6] Pneumatic connection, optional:

- Via Rc or G thread
- Connection options on three sides (e.g. by modifying the sensor rail)

Characteristics

Application example



- Use as a clamping cylinder

Type code

001	Series	
DW	Hinge cylinder	
002	Rod clevis gap [mm]	
	28	
A	16	
B	19.5	
C	16.5	
003	Piston diameter [mm]	
50	50	
63	63	
80	80	

004	Stroke [mm]	
50	50	
75	75	
100	100	
125	125	
150	150	
005	Piston rod end	
Y	With rod clevis	
006	Position sensing	
AB	With magnet	
	Without magnet	
A	With magnet and sensor rail	
007	Pneumatic connection	
	Rc thread	
G	G thread	

Datasheet

General technical data			
Piston diameter	50 mm	63 mm	80 mm
Stroke	10 mm, 50 mm, 75 mm, 100 mm, 125 mm, 150 mm, 200 mm		
Broad rod clevis/swivel mounting	16 mm, 16.5 mm, 19.5 mm		28 mm
Design	Piston Piston rod with rod clevis Swivel mounting on bearing cap Cylinder barrel		
Mode of operation	Double-acting		
Piston-rod end	Male thread with rod clevis		
Piston rod thread	M16x1.5		M20x1.5
Pneumatic connection	G1/4 Rc1/4		G3/8 Rc3/8
alternative connections	See product drawing		
Cushioning	Pneumatic cushioning, adjustable at both ends		
Cushioning length	20 mm		30 mm
Speed regulation	Integrated flow control at both ends		
Position detection	Via proximity switch Without		
Type of mounting	Via swivel mounting on bearing cap With accessories		
Mounting position	optional		

Operating and environmental conditions			
Piston diameter	50 mm	63 mm	80 mm
Operating pressure	1 ... 10 bar		
Operating pressure	14.5 ... 145 psi		
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]		
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)		
Ambient temperature ¹⁾	-10 ... 60°C		
Corrosion resistance class CRC ²⁾	0 - No corrosion stress		

1) Note operating range of proximity switches.

2) More information www.festo.com/x/topic/crc

Forces and impact energy			
Piston diameter	50 mm	63 mm	80 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	1,178 N	1,870 N	3,016 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	990 N	1,682 N	2,721 N
Impact energy in end positions	0.7 J	1.3 J	1.8 J

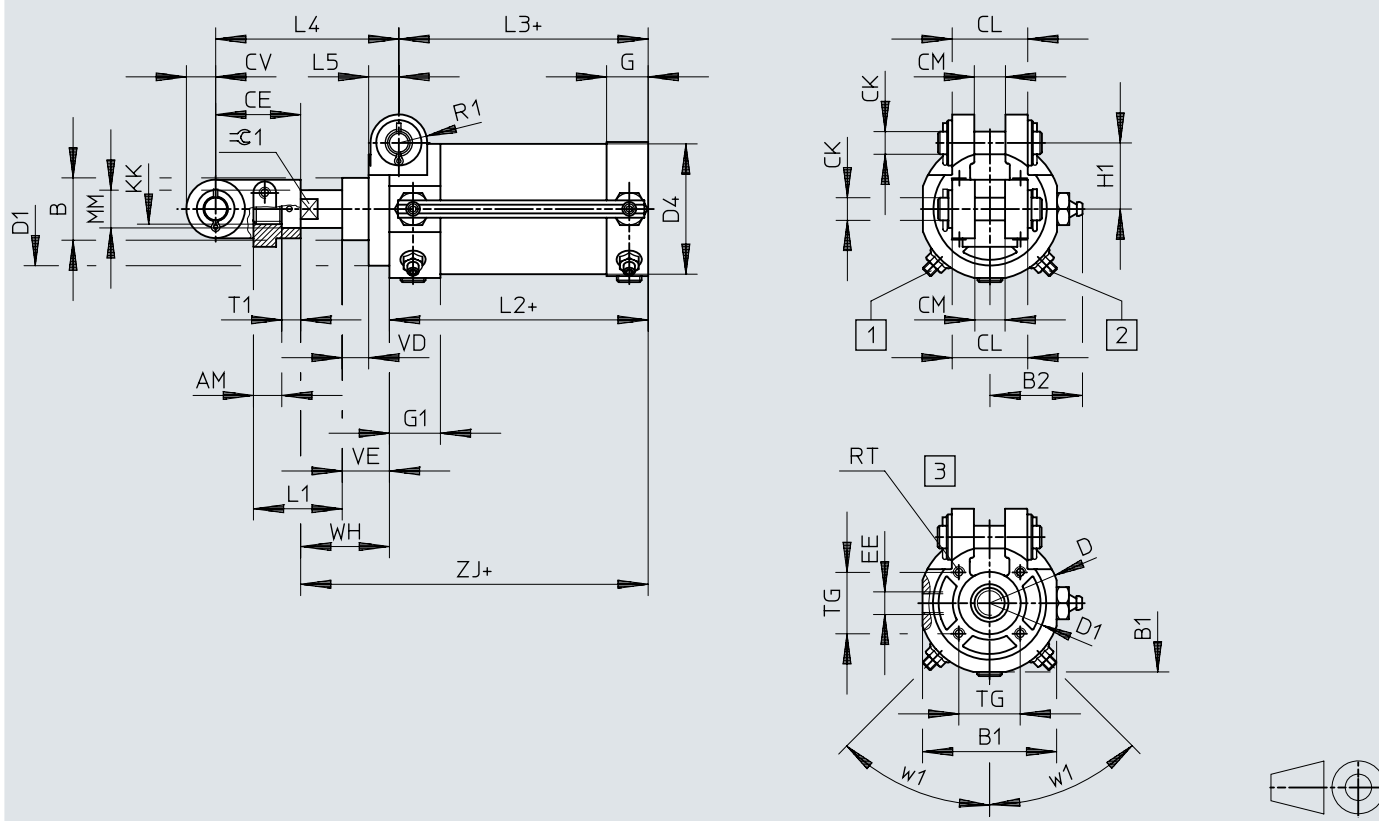
Weight			
Piston diameter	50 mm	63 mm	80 mm
Basic weight for 0 mm stroke	1,338 g	1,600 g	4,185 g
Additional weight per 10 mm stroke	37 g	42 g	65 g
Moving mass for 0 mm stroke	664 g	741 g	1,651 g
Additional moving mass per 10 mm stroke	25 g		39 g

Datasheet

Materials			
Piston diameter	50 mm	63 mm	80 mm
Material cover	Die-cast aluminium, Anodised		
Material piston rod	Tempered steel, Hard-chrome-plated		
Material cylinder barrel	Wrought aluminium alloy, Anodised		
Material wiper	Bronze		
Material seals	NBR		
Material rod clevis	Cast steel Tempered steel		
Note on materials	RoHS-compliant		
LABS (PWIS) conformity	VDMA24364-B2-L		

Dimensions

Dimensions – Hinge cylinders DW

Download CAD data www.festo.com

- [1] Adjusting screw for speed (S)
- [2] Adjusting screw for end-position cushioning (C)
- [3] Shown without rod clevis

Dimensions

	AM	B ø	B1	B2	CE	CK ø	CL	CM		
								DWA +0,4/+0,1	DWB +0,4/+0,1	DWC +0,4/+0,1
DW-50	15	33	58	42,5	45	12	40	16	19,5	16,5
DW-63			71	49						
DW-80	23	56	89	58,5	58	18	60	28	28	28

	CV	D ø	D1 ø	D4 ø	EE		G	G1	H1 ±0,1
					Rc	G			
DW-50	15,5	61	55	55	Rc1/4	G1/4	22	27	35
DW-63		75	60	69					
DW-80	19	93	70	87	Rc3/8	G3/8	34	34	50

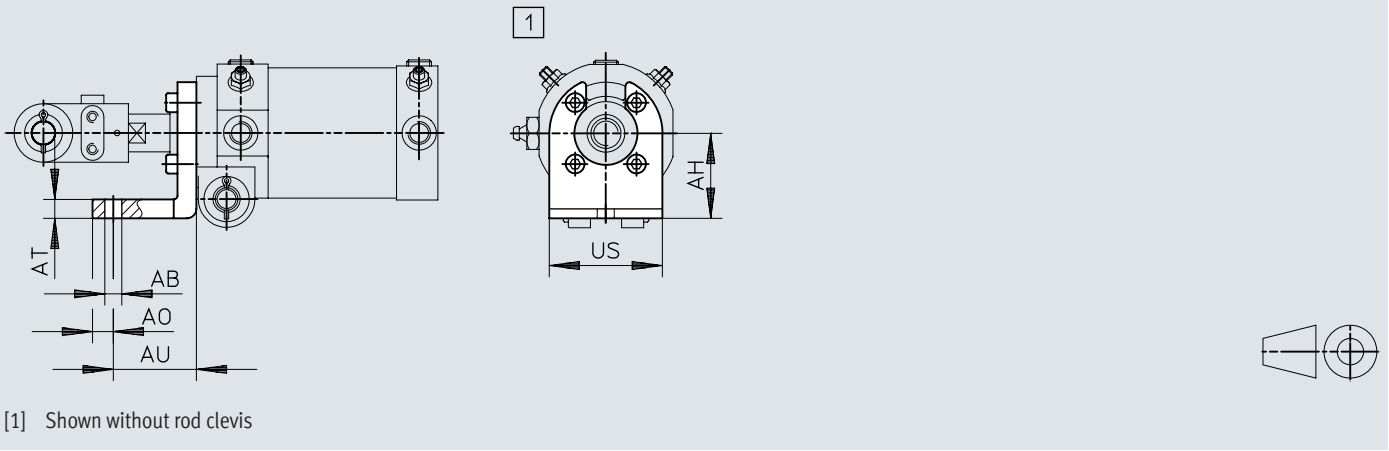
	KK	L1	L2	L3	L4	L5	MM ø	R1	RT
				+0,7/-0,4	+1,5/-2				
DW-50	M16x1,5	47	87	82	97	16	20	15	M6
DW-63									
DW-80	M20x1	47	150	128	110	22	25	20	M6

	T1	TG	VD	VE	W1	WH	ZJ	≈ 1
DW-50	10	32,5	14	25	45°	47	134	17
DW-63								
DW-80	11	32,5	17	33	45°	46	180	19

Dimensions

Dimensions – Foot mounting HNH

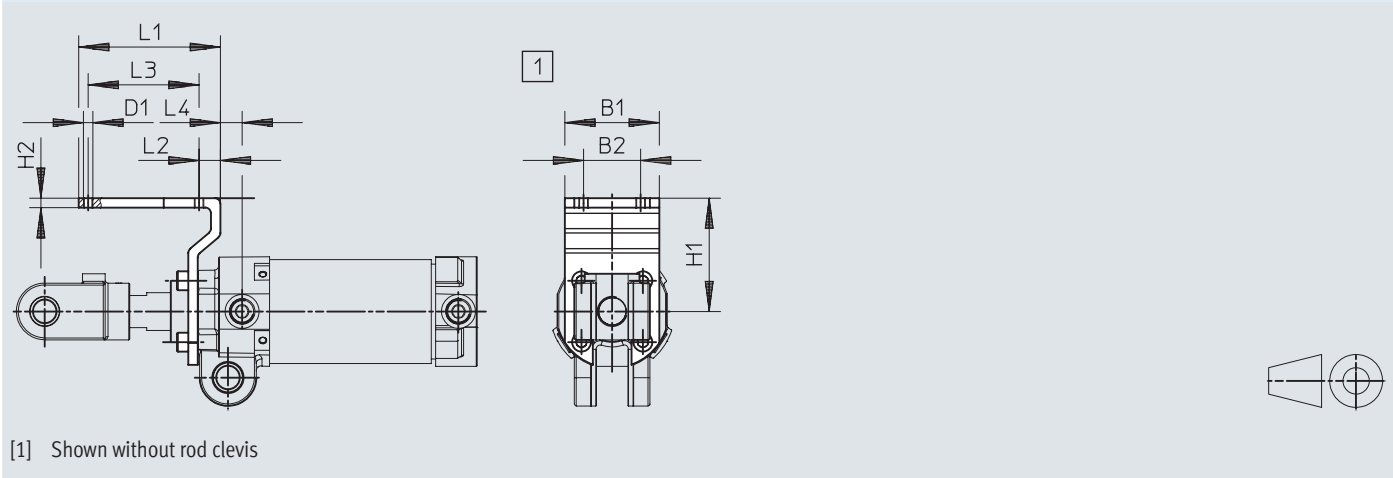
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	AB	AH	AO	AT	AU	US
	Ø					
HNH-50	9	45	11	10	44	60
HNH-63						
HNH-80						

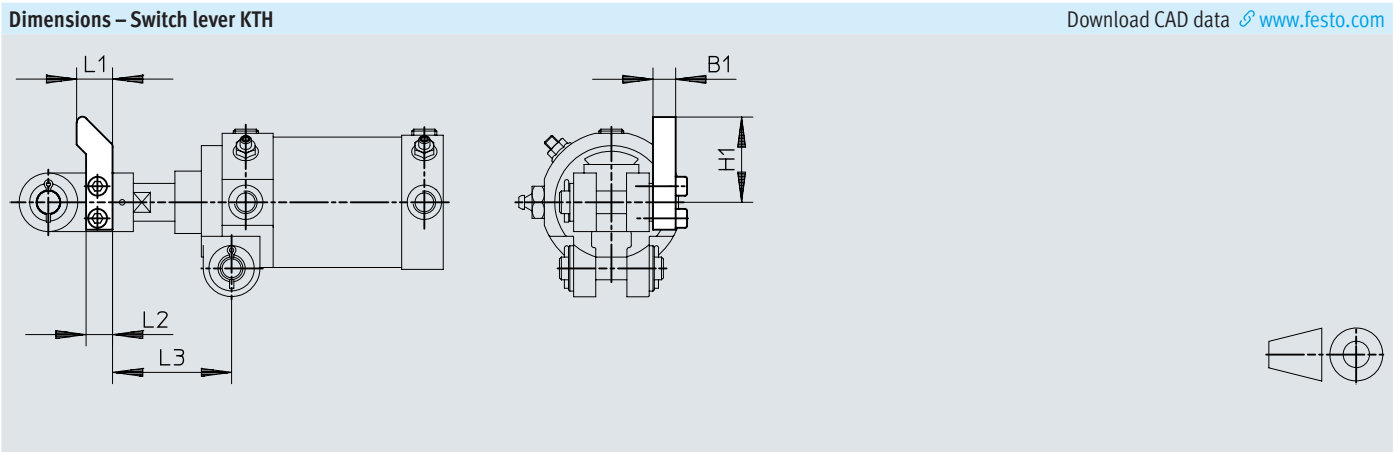
Dimensions

Dimensions – Mounting bracket TBH Download CAD data www.festo.com



	B1	B2	D1	H1	H2	L1	L2	L3	L4
TBH-50	50	30,2	M5	60	5	75	11,3	58,7	17
TBH-63									
TBH-80									

Dimensions

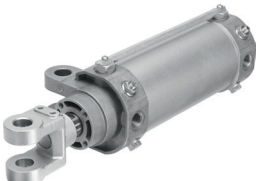


	B1	H1	L1	L2	L3
KTH-50	12	45,2	19	14	63
KTH-63					68,5
KTH-80					

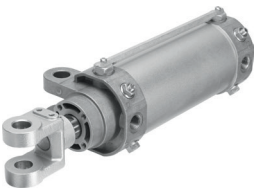
Ordering data

With Rc thread						
	Piston diameter	Stroke	Broad rod clevis/ swivel mounting	Position sensing	Part no.	Type
	50 mm	10 ... 200 mm	16 mm	Without magnet	555710	DWA-50- -Y
				With magnet	555712	DWA-50- -Y-AB
				With magnet and sensor rail	555711	DWA-50- -Y-A
			16.5 mm	With magnet and sensor rail	558138	DWC-50- -Y-A
				Without magnet	558139	DWC-50- -Y-AB
				Without magnet	558137	DWC-50- -Y
			19.5 mm	With magnet	555715	DWB-50- -Y-AB
				Without magnet	555713	DWB-50- -Y
				With magnet and sensor rail	555714	DWB-50- -Y-A
		50 mm	16 mm	Without magnet	549543	DWA-50-50-Y
				With magnet and sensor rail	549548	DWA-50-50-Y-A
				With magnet	549743	DWA-50-50-Y-AB
			16.5 mm	Without magnet	558097	DWC-50-50-Y-AB
				Without magnet	558087	DWC-50-50-Y
				With magnet and sensor rail	558092	DWC-50-50-Y-A
			19.5 mm	Without magnet	549558	DWB-50-50-Y-A
				With magnet	549707	DWB-50-50-Y-AB
				Without magnet	549553	DWB-50-50-Y
		75 mm	16 mm	With magnet and sensor rail	549549	DWA-50-75-Y-A
				With magnet	549744	DWA-50-75-Y-AB
				Without magnet	549544	DWA-50-75-Y
			16.5 mm	Without magnet	558088	DWC-50-75-Y
				With magnet	558098	DWC-50-75-Y-AB
				With magnet and sensor rail	558093	DWC-50-75-Y-A
			19.5 mm	Without magnet	549554	DWB-50-75-Y
				With magnet and sensor rail	549559	DWB-50-75-Y-A
				With magnet	549708	DWB-50-75-Y-AB
		100 mm	16 mm	Without magnet	549745	DWA-50-100-Y-AB
				Without magnet	549545	DWA-50-100-Y
				With magnet and sensor rail	549550	DWA-50-100-Y-A
			16.5 mm	With magnet	558099	DWC-50-100-Y-AB
				Without magnet	558089	DWC-50-100-Y
				With magnet and sensor rail	558094	DWC-50-100-Y-A
			19.5 mm	Without magnet	549555	DWB-50-100-Y
				With magnet	549709	DWB-50-100-Y-AB
				With magnet and sensor rail	549560	DWB-50-100-Y-A
		125 mm	16 mm	Without magnet	549551	DWA-50-125-Y-A
				With magnet	549746	DWA-50-125-Y-AB
				Without magnet	549546	DWA-50-125-Y
			16.5 mm	With magnet and sensor rail	558095	DWC-50-125-Y-A
				Without magnet	558090	DWC-50-125-Y
				With magnet	558100	DWC-50-125-Y-AB
			19.5 mm	With magnet and sensor rail	549561	DWB-50-125-Y-A
				With magnet	549710	DWB-50-125-Y-AB
				Without magnet	549556	DWB-50-125-Y

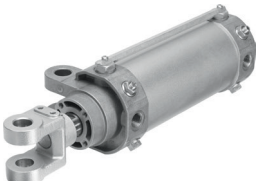
Ordering data

With Rc thread						
	Piston diameter	Stroke	Broad rod clevis/ swivel mounting	Position sensing	Part no.	Type
	50 mm	150 mm	16 mm	With magnet and sensor rail	549552	DWA-50-150-Y-A
				Without magnet	549547	DWA-50-150-Y
				With magnet	549706	DWA-50-150-Y-AB
			16.5 mm		558101	DWC-50-150-Y-AB
				Without magnet	558091	DWC-50-150-Y
				With magnet and sensor rail	558096	DWC-50-150-Y-A
			19.5 mm	Without magnet	549557	DWB-50-150-Y
				With magnet and sensor rail	549562	DWB-50-150-Y-A
				With magnet	549711	DWB-50-150-Y-AB
	63 mm	10 ... 200 mm	16 mm		555718	DWA-63- -Y-AB
				With magnet and sensor rail	555717	DWA-63- -Y-A
				Without magnet	555716	DWA-63- -Y
			16.5 mm		558140	DWC-63- -Y
				With magnet and sensor rail	558141	DWC-63- -Y-A
				With magnet	558142	DWC-63- -Y-AB
			19.5 mm	Without magnet	555719	DWB-63- -Y
				With magnet and sensor rail	555720	DWB-63- -Y-A
				With magnet	555721	DWB-63- -Y-AB
		50 mm	16 mm		549712	DWA-63-50-Y-AB
				With magnet and sensor rail	549568	DWA-63-50-Y-A
				Without magnet	549563	DWA-63-50-Y
			16.5 mm	With magnet and sensor rail	558107	DWC-63-50-Y-A
				With magnet	558112	DWC-63-50-Y-AB
				Without magnet	558102	DWC-63-50-Y
			19.5 mm	With magnet	549730	DWB-63-50-Y-AB
				With magnet and sensor rail	549578	DWB-63-50-Y-A
				Without magnet	549573	DWB-63-50-Y
		75 mm	16 mm		549564	DWA-63-75-Y
				With magnet	549713	DWA-63-75-Y-AB
				With magnet and sensor rail	549569	DWA-63-75-Y-A
			16.5 mm	Without magnet	558103	DWC-63-75-Y
				With magnet	558113	DWC-63-75-Y-AB
				With magnet and sensor rail	558108	DWC-63-75-Y-A
			19.5 mm	With magnet and sensor rail	549579	DWB-63-75-Y-A
				Without magnet	549574	DWB-63-75-Y
				With magnet	549732	DWB-63-75-Y-AB
		100 mm	16 mm	Without magnet	549565	DWA-63-100-Y
				With magnet and sensor rail	549570	DWA-63-100-Y-A
				With magnet	549714	DWA-63-100-Y-AB
			16.5 mm		558114	DWC-63-100-Y-AB
				With magnet and sensor rail	558109	DWC-63-100-Y-A
				Without magnet	558104	DWC-63-100-Y
			19.5 mm		549575	DWB-63-100-Y

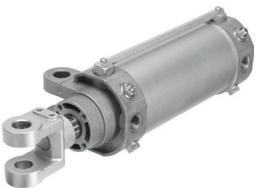
Ordering data

With Rc thread						
	Piston diameter	Stroke	Broad rod clevis/ swivel mounting	Position sensing	Part no.	Type
	63 mm	100 mm	19.5 mm	With magnet	549733	DWB-63-100-Y-AB
				With magnet and sensor rail	549580	DWB-63-100-Y-A
		125 mm	16 mm		549571	DWA-63-125-Y-A
				With magnet	549715	DWA-63-125-Y-AB
				Without magnet	549566	DWA-63-125-Y
			16.5 mm	With magnet and sensor rail	558110	DWC-63-125-Y-A
				Without magnet	558105	DWC-63-125-Y
				With magnet	558115	DWC-63-125-Y-AB
				Without magnet	549734	DWB-63-125-Y-AB
			19.5 mm	Without magnet	549576	DWB-63-125-Y
				With magnet and sensor rail	549581	DWB-63-125-Y-A
		150 mm	16 mm		549572	DWA-63-150-Y-A
				With magnet	549716	DWA-63-150-Y-AB
				Without magnet	549567	DWA-63-150-Y
			16.5 mm	With magnet and sensor rail	558111	DWC-63-150-Y-A
				Without magnet	558106	DWC-63-150-Y
				With magnet	558116	DWC-63-150-Y-AB
			19.5 mm	Without magnet	549577	DWB-63-150-Y
				With magnet	549735	DWB-63-150-Y-AB
				With magnet and sensor rail	549582	DWB-63-150-Y-A
	80 mm	10 ... 200 mm	28 mm	With magnet	557931	DW-80- -Y-AB
				With magnet and sensor rail	557930	DW-80- -Y-A
				Without magnet	557929	DW-80- -Y
		50 mm		With magnet and sensor rail	557909	DW-80-50-Y-A
				Without magnet	557904	DW-80-50-Y
				With magnet	557914	DW-80-50-Y-AB
		75 mm		With magnet and sensor rail	557910	DW-80-75-Y-A
				Without magnet	557905	DW-80-75-Y
				With magnet	557915	DW-80-75-Y-AB
		100 mm		Without magnet	557906	DW-80-100-Y
				With magnet and sensor rail	557911	DW-80-100-Y-A
				With magnet	557916	DW-80-100-Y-AB
		125 mm		Without magnet	557907	DW-80-125-Y
				With magnet and sensor rail	557912	DW-80-125-Y-A
				With magnet	557917	DW-80-125-Y-AB
		150 mm			557918	DW-80-150-Y-AB
				Without magnet	557908	DW-80-150-Y
				With magnet and sensor rail	557913	DW-80-150-Y-A

Ordering data

With G thread						
	Piston diameter	Stroke	Broad rod clevis/ swivel mounting	Position sensing	Part no.	Type
	50 mm	10 ... 200 mm	16 mm	With magnet and sensor rail	565782	DWA-50- -Y-A-G
				With magnet	565783	DWA-50- -Y-AB-G
				Without magnet	565781	DWA-50- -Y-G
			16.5 mm	With magnet	572373	DWC-50- -Y-AB-G
				Without magnet	572371	DWC-50- -Y-G
				With magnet and sensor rail	572372	DWC-50- -Y-A-G
			19.5 mm	With magnet	565786	DWB-50- -Y-AB-G
				Without magnet	565784	DWB-50- -Y-G
				With magnet and sensor rail	565785	DWB-50- -Y-A-G
		50 mm	16 mm	With magnet and sensor rail	565726	DWA-50-50-Y-A-G
				With magnet	565777	DWA-50-50-Y-AB-G
				Without magnet	565721	DWA-50-50-Y-G
			16.5 mm	With magnet and sensor rail	572346	DWC-50-50-Y-A-G
				Without magnet	572341	DWC-50-50-Y-G
				With magnet	572351	DWC-50-50-Y-AB-G
			19.5 mm	Without magnet	565731	DWB-50-50-Y-G
				With magnet	565762	DWB-50-50-Y-AB-G
				With magnet and sensor rail	565736	DWB-50-50-Y-A-G
		75 mm	16 mm	With magnet	565778	DWA-50-75-Y-AB-G
				Without magnet	565722	DWA-50-75-Y-G
				With magnet and sensor rail	565727	DWA-50-75-Y-A-G
			16.5 mm	Without magnet	572342	DWC-50-75-Y-G
				With magnet	572352	DWC-50-75-Y-AB-G
				With magnet and sensor rail	572347	DWC-50-75-Y-A-G
			19.5 mm	With magnet	565763	DWB-50-75-Y-AB-G
				Without magnet	565732	DWB-50-75-Y-G
				With magnet and sensor rail	565737	DWB-50-75-Y-A-G
		100 mm	16 mm	With magnet	565779	DWA-50-100-Y-AB-G
				With magnet and sensor rail	565728	DWA-50-100-Y-A-G
				Without magnet	565723	DWA-50-100-Y-G
			16.5 mm	With magnet and sensor rail	572343	DWC-50-100-Y-G
				With magnet and sensor rail	572348	DWC-50-100-Y-A-G
				With magnet	572353	DWC-50-100-Y-AB-G
			19.5 mm	Without magnet	565733	DWB-50-100-Y-G
				With magnet	565764	DWB-50-100-Y-AB-G
				With magnet and sensor rail	565738	DWB-50-100-Y-A-G
		125 mm	16 mm	Without magnet	565724	DWA-50-125-Y-G
				With magnet	565780	DWA-50-125-Y-AB-G
				With magnet and sensor rail	565729	DWA-50-125-Y-A-G
			16.5 mm	Without magnet	572344	DWC-50-125-Y-G
				With magnet	572354	DWC-50-125-Y-AB-G
				With magnet and sensor rail	572349	DWC-50-125-Y-A-G
			19.5 mm	Without magnet	565734	DWB-50-125-Y-G

Ordering data

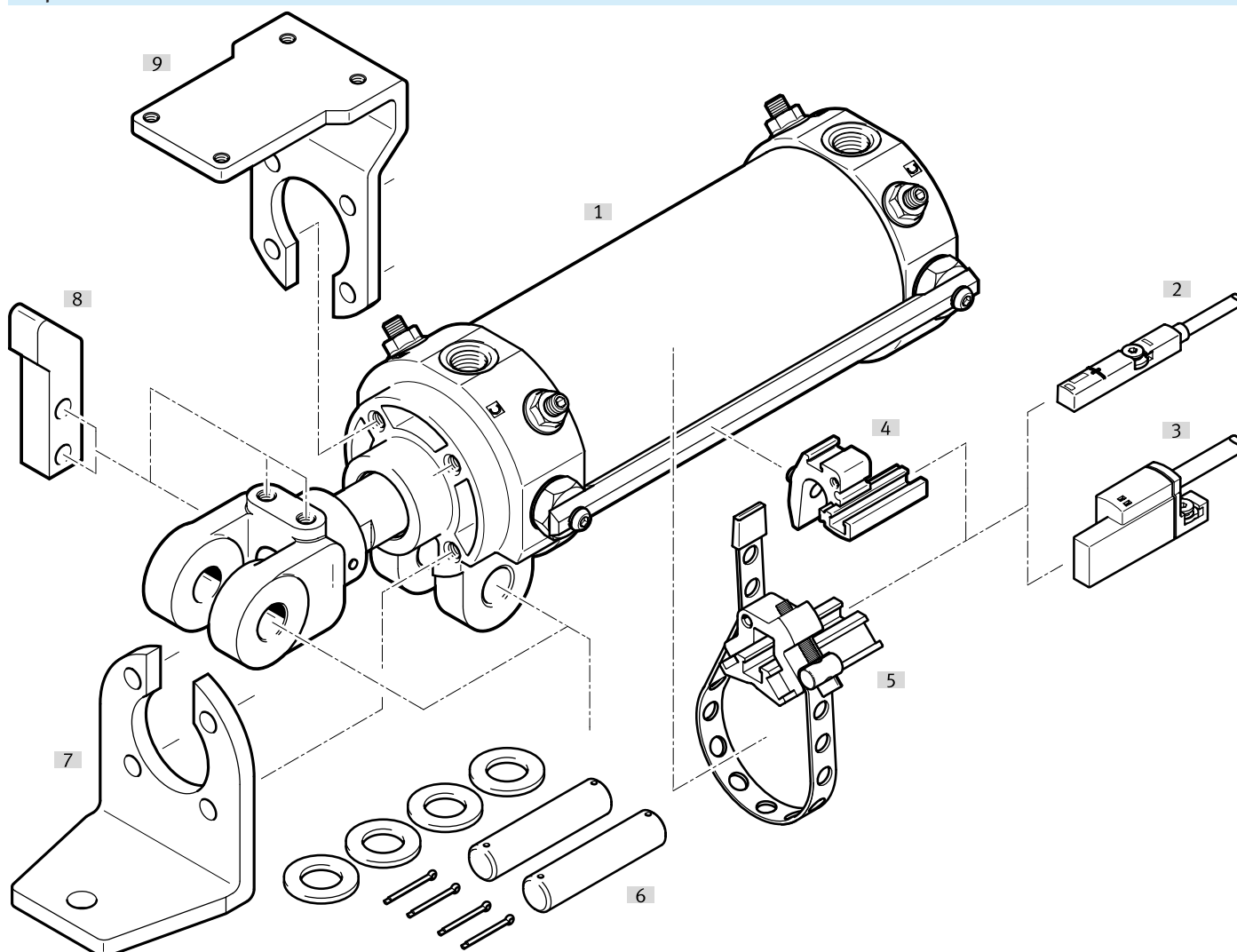
With G thread						
	Piston diameter	Stroke	Broad rod clevis/ swivel mounting	Position sensing	Part no.	Type
	50 mm	125 mm	19.5 mm	With magnet and sensor rail	565739	DWB-50-125-Y-A-G
				With magnet	565765	DWB-50-125-Y-AB-G
		150 mm	16 mm	With magnet and sensor rail	565730	DWA-50-150-Y-A-G
				Without magnet	565725	DWA-50-150-Y-G
				With magnet	565761	DWA-50-150-Y-AB-G
			16.5 mm	Without magnet	572345	DWC-50-150-Y-G
				With magnet	572355	DWC-50-150-Y-AB-G
				With magnet and sensor rail	572350	DWC-50-150-Y-A-G
			19.5 mm	With magnet	565766	DWB-50-150-Y-AB-G
				Without magnet	565735	DWB-50-150-Y-G
				With magnet and sensor rail	565740	DWB-50-150-Y-A-G
	63 mm	10 ... 200 mm	16 mm	With magnet and sensor rail	565788	DWA-63- -Y-A-G
				Without magnet	565787	DWA-63- -Y-G
				With magnet	565789	DWA-63- -Y-AB-G
			16.5 mm	With magnet and sensor rail	572375	DWC-63- -Y-A-G
				With magnet	572376	DWC-63- -Y-AB-G
				Without magnet	572374	DWC-63- -Y-G
			19.5 mm	With magnet	565792	DWB-63- -Y-AB-G
				With magnet and sensor rail	565791	DWB-63- -Y-A-G
				Without magnet	565790	DWB-63- -Y-G
		50 mm	16 mm	With magnet and sensor rail	565746	DWA-63-50-Y-A-G
				With magnet	565767	DWA-63-50-Y-AB-G
				Without magnet	565741	DWA-63-50-Y-G
			16.5 mm	With magnet and sensor rail	572361	DWC-63-50-Y-A-G
				With magnet	572366	DWC-63-50-Y-AB-G
				Without magnet	572356	DWC-63-50-Y-G
			19.5 mm	With magnet	565772	DWB-63-50-Y-AB-G
				With magnet and sensor rail	565756	DWB-63-50-Y-A-G
				Without magnet	565751	DWB-63-50-Y-G
		75 mm	16 mm	With magnet and sensor rail	565747	DWA-63-75-Y-A-G
				Without magnet	565742	DWA-63-75-Y-G
				With magnet	565768	DWA-63-75-Y-AB-G
			16.5 mm	Without magnet	572357	DWC-63-75-Y-G
				With magnet and sensor rail	572362	DWC-63-75-Y-A-G
				With magnet	572367	DWC-63-75-Y-AB-G
			19.5 mm	Without magnet	565773	DWB-63-75-Y-AB-G
				With magnet and sensor rail	565757	DWB-63-75-Y-A-G
				Without magnet	565752	DWB-63-75-Y-G
		100 mm	16 mm	With magnet	565769	DWA-63-100-Y-AB-G
				Without magnet	565743	DWA-63-100-Y-G
				With magnet and sensor rail	565748	DWA-63-100-Y-A-G
			16.5 mm	With magnet and sensor rail	572363	DWC-63-100-Y-A-G
				With magnet	572368	DWC-63-100-Y-AB-G

Ordering data

With G thread							
	Piston diameter	Stroke	Broad rod clevis/ swivel mounting	Position sensing	Part no.	Type	
	63 mm	100 mm	16.5 mm	Without magnet	572358	DWC-63-100-Y-G	
			19.5 mm		565753	DWB-63-100-Y-G	
			19.5 mm	With magnet and sensor rail	565758	DWB-63-100-Y-A-G	
				With magnet	565774	DWB-63-100-Y-AB-G	
		125 mm	16 mm	Without magnet	565770	DWA-63-125-Y-AB-G	
				Without magnet	565744	DWA-63-125-Y-G	
				With magnet and sensor rail	565749	DWA-63-125-Y-A-G	
				Without magnet	572359	DWC-63-125-Y-G	
			16.5 mm	With magnet	572369	DWC-63-125-Y-AB-G	
				With magnet and sensor rail	572364	DWC-63-125-Y-A-G	
				Without magnet	565775	DWB-63-125-Y-AB-G	
			19.5 mm	With magnet and sensor rail	565759	DWB-63-125-Y-A-G	
				Without magnet	565754	DWB-63-125-Y-G	
				Without magnet	565745	DWA-63-150-Y-G	
				With magnet and sensor rail	565750	DWA-63-150-Y-A-G	
		150 mm	16 mm	With magnet	565771	DWA-63-150-Y-AB-G	
				Without magnet	572370	DWC-63-150-Y-AB-G	
				Without magnet	572360	DWC-63-150-Y-G	
			16.5 mm	With magnet and sensor rail	572365	DWC-63-150-Y-A-G	
				Without magnet	565755	DWB-63-150-Y-G	
				With magnet and sensor rail	565760	DWB-63-150-Y-A-G	
			19.5 mm	With magnet	565776	DWB-63-150-Y-AB-G	
				Without magnet	565810	DW-80- -Y-AB-G	
				Without magnet	565808	DW-80- -Y-G	
				With magnet and sensor rail	565809	DW-80- -Y-A-G	
		80 mm	10 ... 200 mm	28 mm	Without magnet	565793	DW-80-50-Y-G
					With magnet and sensor rail	565798	DW-80-50-Y-A-G
					With magnet	565803	DW-80-50-Y-AB-G
					Without magnet	565794	DW-80-75-Y-G
			50 mm		With magnet and sensor rail	565799	DW-80-75-Y-A-G
					With magnet	565804	DW-80-75-Y-AB-G
					Without magnet	565805	DW-80-100-Y-AB-G
	75 mm		With magnet and sensor rail		565800	DW-80-100-Y-A-G	
			Without magnet		565795	DW-80-100-Y-G	
			Without magnet		565796	DW-80-125-Y-G	
	100 mm		With magnet		565806	DW-80-125-Y-AB-G	
			With magnet and sensor rail		565801	DW-80-125-Y-A-G	
			Without magnet		565807	DW-80-150-Y-AB-G	
	125 mm		With magnet and sensor rail		565802	DW-80-150-Y-A-G	
			Without magnet		565797	DW-80-150-Y-G	
			150 mm		Without magnet	565797	DW-80-150-Y-G

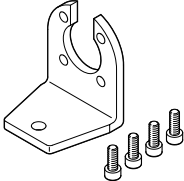
Peripherals

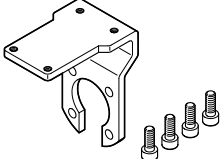
Peripherals overview

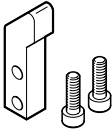


Accessories			→ Link
Type/order code	Description		
[1]	Hinge cylinders DW	Double-acting	dw
[2]	Proximity switch SMT-8M	Proximity switch with flat design for sensing the piston rod position	19
[3]	Proximity switch SDBT-BSW	Welding-field-resistant proximity switch for sensing the piston rod position	20
[4]	Mounting SMBZ	For mounting the proximity switches SMT-8M or SDBT-BSW on the sensor rail	21
[5]	Mounting kit SMBR	For mounting the proximity switches SMT-8M or SDBT-BSW on the cylinder	21
[6]	Assembly kit DAMD	- For mounting the drive and attachments on the rod clevis - The scope of delivery of the drive includes 2 bolts, 2 retaining pins and 4 washers	19
[7]	Foot mounting HNH	To mount the cylinder	19
[8]	Switch lever KTH	For sensing the piston rod position via external proximity switches	19
[9]	Mounting bracket TBH	For mounting external proximity switches	19

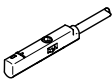
Accessories

Foot mounting HNH					
	Description	Material mounting	Product weight	Part no.	Type
	For Ø 50, 63, 80	Steel, Galvanised	240.5 g	549603	HNH-50/63/80

Mounting bracket TBH					
	Description	Material mounting	Product weight	Part no.	Type
	For Ø 50, 63, 80	Steel, Galvanised	281.5 g	549605	TBH-50/63/80

Switch lever KTH					
	Description	Material mounting	Product weight	Part no.	Type
	For Ø 50, 63, 80	Steel, Galvanised	82.5 g	549607	KTH-50/63/80

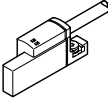
Mounting kit for DAMD					
	Description	Material mounting	Product weight	Part no.	Type
	For Ø 50, 63	Steel, Galvanised	116.5 g	573323	DAMD-F5-S-50
	For Ø 80		361.5 g	573172	DAMD-F5-S-80

Proximity switch SMT-8M for T-slot, magneto-resistive						Link smt
	Type of mounting	Switching output	Electrical connection	Cable length	Part no.	Type
	Screw-clamped, Insertable in the slot from above	3-wire NPN N/O contact	Open end	2.5 m	574338	SMT-8M-A-NS-24V-E-2,5-OE
			Plug M8, A-coded	0.3 m	574339	SMT-8M-A-NS-24V-E-0,3-M8D
		3-wire PNP N/C contact	Open end	7.5 m	574340	SMT-8M-A-PO-24V-E-7,5-OE
				2.5 m	574335	SMT-8M-A-PS-24V-E-2,5-OE
		3-wire PNP N/O contact	Plug M8, A-coded	0.3 m	574334	SMT-8M-A-PS-24V-E-0,3-M8D
			Plug M12, A-coded		574337	SMT-8M-A-PS-24V-E-0,3-M12

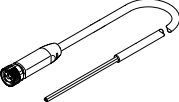
Accessories

Proximity switch SDBT-BSW for T-slot, magneto-resistive

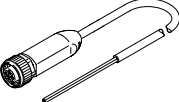
Link [sdbt](#)

	Switching output	Switching element function	Electrical connection	Cable length	Part no.	Type
	NPN	N/O contact	Open end	5 m	2427618	SDBT-BSW-1L-NU-W-5-N-LE
			Plug M12, A-coded	0.3 m	2427615	SDBT-BSW-1L-NU-W-0.3-N-M12
	PNP		Open end	5 m	2427616	SDBT-BSW-1L-PU-W-5-N-LE
			Plug M12, A-coded	0.3 m	2476855	SDBT-BSW-1L-PU-W-0.3-N-M12
	Non-contacting, 2-wire		Open end	5 m	2427617	SDBT-BSW-1L-ZU-W-5-N-LE

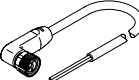
Connecting cables NEBA, straight, M8 connection

	Electrical connection 1, connector system	Electrical connection 2, connector system	Electrical connection 2, number of connections/cores	Cable length	Part no.	Type
	M8x1, A-coded, to EN 61076-2-104	Open end	3	2.5 m	8078223	NEBA-M8G3-U-2.5-N-LE3
				5 m	8078224	NEBA-M8G3-U-5-N-LE3

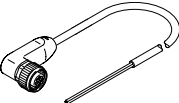
Connecting cables NEBA, straight, M12 connection

	Electrical connection 1, connector system	Electrical connection 2, connector system	Electrical connection 2, number of connections/cores	Cable length	Part no.	Type
	M12x1, A-coded to EN 61076-2-101	Open end	3	2.5 m	8078236	NEBA-M12G5-U-2.5-N-LE3
				5 m	8078237	NEBA-M12G5-U-5-N-LE3

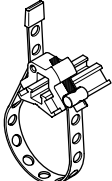
Connecting cables NEBA, angled, M8 connection

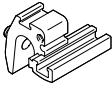
	Electrical connection 1, connector system	Electrical connection 2, connector system	Electrical connection 2, number of connections/cores	Cable length	Part no.	Type
	M8x1, A-coded, to EN 61076-2-104	Open end	3	2.5 m	8078230	NEBA-M8W3-U-2.5-N-LE3
				5 m	8078231	NEBA-M8W3-U-5-N-LE3

Connecting cables NEBA, angled, M12 connection

	Electrical connection 1, connector system	Electrical connection 2, connector system	Electrical connection 2, number of connections/cores	Cable length	Part no.	Type
	M12x1, A-coded to EN 61076-2-101	Open end	3	2.5 m	8078245	NEBA-M12W5-U-2.5-N-LE3
				5 m	8078246	NEBA-M12W5-U-5-N-LE3

Accessories

Mounting kits SMBR					
	Description	Material housing	Product weight	Part no.	Type
	For mounting the proximity switches on the cylinder	Wrought aluminium alloy, Anodised, High-alloy stainless steel	20 g	538937	SMBR-8-8/100-S6

Mounting kits SMBZ					
	Description	Material housing	Product weight	Part no.	Type
	For mounting the proximity switches on the sensor rail	Anodised wrought aluminium alloy	14 g	537806	SMBZ-8-32/100