

# Radial gripper DHRC

**FESTO**



## Characteristics

### At a glance

[Link](#)  dhrc

- Lateral gripper jaw support for high torque loads
- Gripper jaw centring options
- Max. repetition accuracy
- Proximity switch for sensing the piston position in the end positions and position transmitter for sensing the piston position at any point
- Wide range of adaptation options on the drives
- Flexible application options: can be used as a double- and single-acting gripper

These grippers are not designed for the following or similar application examples:

- Machining
- Aggressive media
- Grinding dust
- Welding spatter

### Engineering tools

[Link](#)  engineering tools



Save time with engineering tools: Smart engineering for the optimal solution. Our goal is to increase your productivity. Our engineering tools play an integral part in achieving this goal. They help you size your system correctly, tap into unimagined productivity reserves and generate additional productivity along the entire value chain. In every phase of your project, from the initial contact to the modernisation of your machine, you will come across a number of different tools that will be of use to you.

Gripper selection:

- This tool helps you to select the right grippers by simply entering the exact parameters for your application

### Diagrams

[Link](#)  dhrc



The diagrams shown in this document are also available online. These can be used to display precise values.

### Position sensing

[A] For proximity sensor

By using proximity switches, any position can be detected.

### Gripper function

[ ] Double-acting

Opening or closing by applying compressed air

[S] Single-acting, open

Open when depressurised. Closed when pressurised with compressed air

### Gripping force backup

[NO] Opening

Opened by spring force in depressurised state

## Type code

001	Series
DHRC	Radial gripper

002	Size [mm]
6	6
10	10
16	16
20	20
25	25
32	32

003	Position sensing
A	For proximity sensor

004	Gripper function
	Double-acting
S	Single-acting, open

005	Gripping force backup
	None
NO	Opening

## Datasheet

## General technical data

Size	6	10	16	20	25	32
Design	Connection direction at side Force pilot operated motion sequence					
Mode of operation	Double-acting	Double-acting Single-acting Open				
Gripper function	Radial					
Number of gripper jaws	2					
Max. opening angle	180 deg					
Pneumatic connection	M3			M5		
Repetition accuracy, gripper <sup>1)</sup>	≤0.1 mm					
Rotationally symmetrical	-		≤0.2 mm			
Max. replacement accuracy	≤0.2 mm					
Max. operating frequency of gripper	≤3 Hz			≤2 Hz		
Position detection	Via proximity switch					
Type of mounting	Direct mounting via through-hole Direct mounting via thread Either:	Direct mounting via through-hole Direct mounting via thread Via through-hole and dowel pin Via female thread and dowel pin Either:				
Mounting position	optional					

1) Under constant exposure to operating conditions, end-position drift occurs in the direction of movement of the gripper jaws, at 100 consecutive strokes

## Operating and environmental conditions

Size	6	10	16	20	25	32
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 <sup>1)</sup>	-10 ... 60°C					
Corrosion resistance class CRC <sup>2)</sup>	0 - No corrosion stress					

1) Note the operating range of the proximity switches

2) More information [www.festo.com/x/topic/crc](http://www.festo.com/x/topic/crc)

## Operating pressure – DHRC-...

Size	6	10	16	20	25	32
Operating pressure	0.25 ... 0.8 MPa		0.1 ... 0.8 MPa			
Operating pressure	36.25 ... 116 psi		14.5 ... 116 psi			
Operating pressure	2.5 ... 8 bar		1 ... 8 bar			

## Operating pressure – DHRC-...-NO

Size	10	16	20	25	32
Operating pressure	0.2 ... 0.8 MPa		0.15 ... 0.8 MPa		
Operating pressure	29 ... 116 psi		21.75 ... 116 psi		
Operating pressure	2 ... 8 bar		1.5 ... 8 bar		

## Weight – DHRC-...

Size	6	10	16	20	25	32
Product weight	24.5 g	54 g	111 g	218.4 g	438.5 g	716.5 g

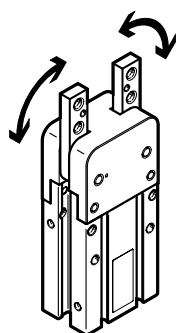
## Weight – DHRC-...-NO

Size	10	16	20	25	32
Product weight	59.5 g	112.5 g	220 g	440 g	720.5 g

## Datasheet

Materials						
Size	6	10	16	20	25	32
Material housing	Anodised wrought aluminium alloy					
Material gripper jaws	High-alloy steel					
Material cover cap	Wrought aluminium alloy, anodised					
Note on materials	RoHS-compliant					

## Total gripping torque



The gripping torque is not constant across the opening angle.

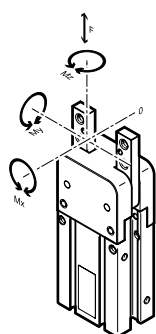
## Total gripping torque – DHRC-...

Size	6	10	16	20	25	32
Total gripping torque at 0.6 MPa (6 bar, 87 psi), opening	6.7 Ncm	25.3 Ncm	81.1 Ncm	166.2 Ncm	343.6 Ncm	725.6 Ncm
Total gripper torque, closing, 0.6 MPa (6 bar, 87 psi)	4.8 Ncm	20.4 Ncm	66.8 Ncm	134.3 Ncm	277.5 Ncm	600.1 Ncm

## Total gripping torque – DHRC-...-NO

Size	10	16	20	25	32
Total gripper torque, closing, 0.6 MPa (6 bar, 87 psi)	15.8 Ncm	50.3 Ncm	112 Ncm	239.5 Ncm	539.1 Ncm

## Characteristic load values at the gripper jaws



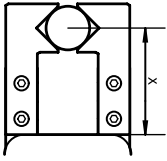
The indicated permissible forces and torques apply to a single gripper jaw. They include the lever arm, additional applied loads created by the workpiece or external gripper fingers and acceleration forces occurring during movement. The zero coordinate line (gripper jaw guide) must be taken into account when calculating torques.

## Characteristic load values at the gripper jaws

Size	6	10	16	20	25	32
Max. force on gripper jaw $F_z$ static	12 N	35 N	60 N	100 N	140 N	210 N
Max. torque at gripper $M_x$ static	0.3 Nm	0.5 Nm	2 Nm	4 Nm	7 Nm	12 Nm
Max. torque at gripper $M_y$ static	0.3 Nm	0.5 Nm	1 Nm	2 Nm	4 Nm	8 Nm
Max. torque at gripper $M_z$ static	0.3 Nm	0.5 Nm	2 Nm	4 Nm	7 Nm	12 Nm

Datasheet

Gripping force F per gripper jaw as a function of operating pressure and lever arm x

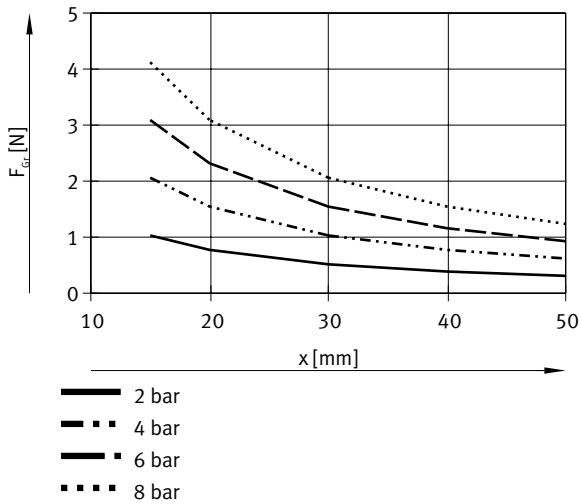


The gripping forces as a function of operating pressure and lever arm can be determined from the following graphs.

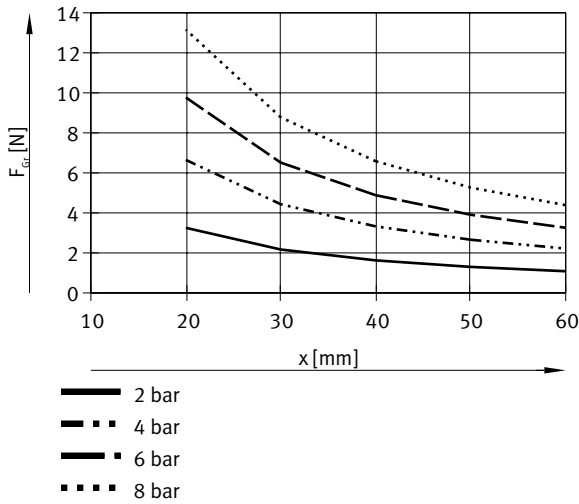
The gripping torque is not constant across the opening angle.

Sizing software for gripper selection → <https://www.festo.com/x/topic/eng>

Gripping force F per gripper jaw as a function of operating pressure and lever arm x – External gripping (closing), double-acting – DHRC-6-A

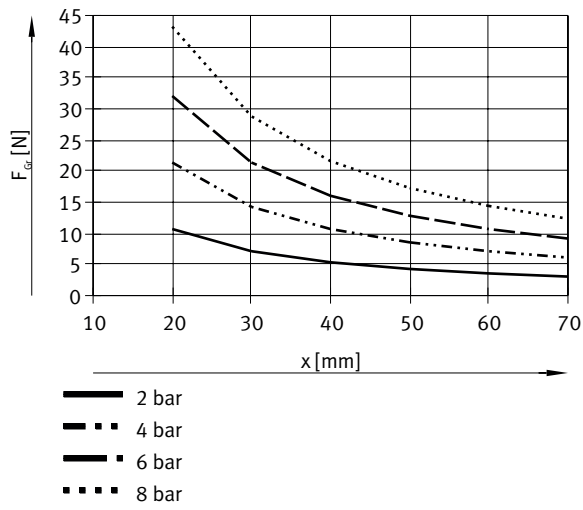


Gripping force F per gripper jaw as a function of operating pressure and lever arm x – External gripping (closing), double-acting – DHRC-10-A

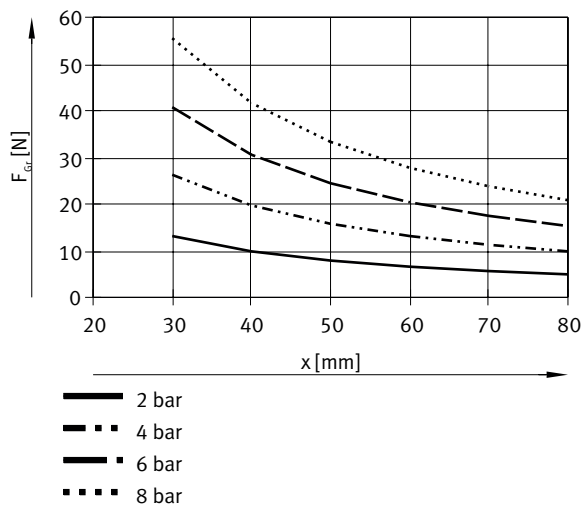


Datasheet

Gripping force F per gripper jaw as a function of operating pressure and lever arm x – External gripping (closing), double-acting – DHRC-16-A

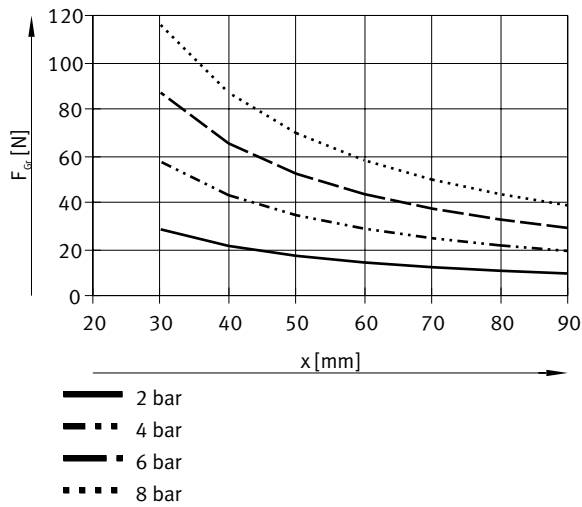


Gripping force F per gripper jaw as a function of operating pressure and lever arm x – External gripping (closing), double-acting – DHRC-20-A

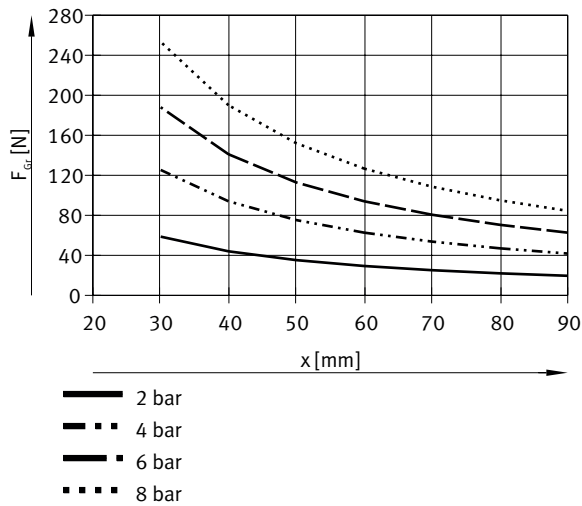


Datasheet

Gripping force  $F$  per gripper jaw as a function of operating pressure and lever arm  $x$  – External gripping (closing), double-acting – DHRC-25-A

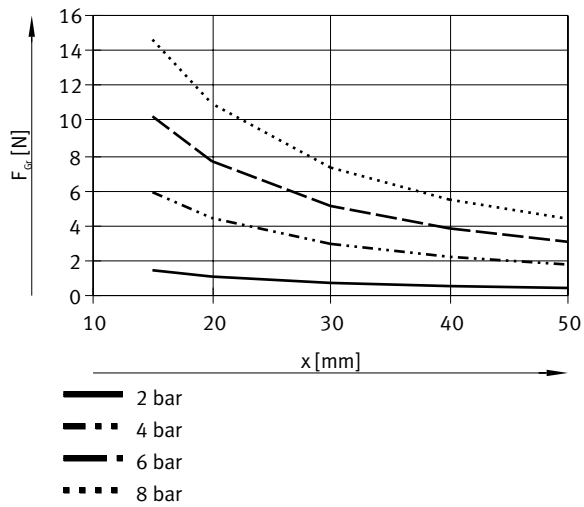
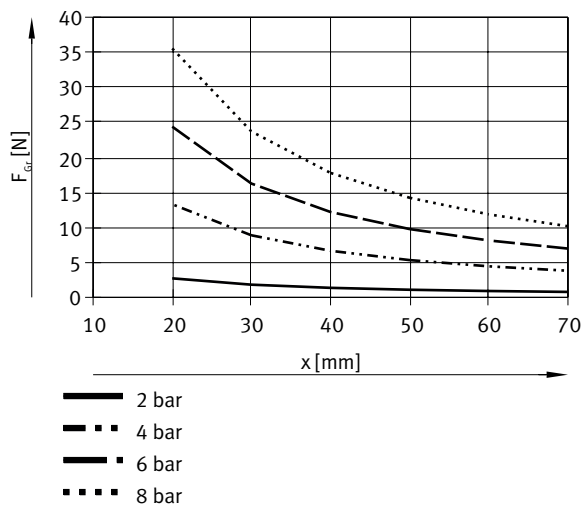


Gripping force  $F$  per gripper jaw as a function of operating pressure and lever arm  $x$  – External gripping (closing), double-acting – DHRC-32-A



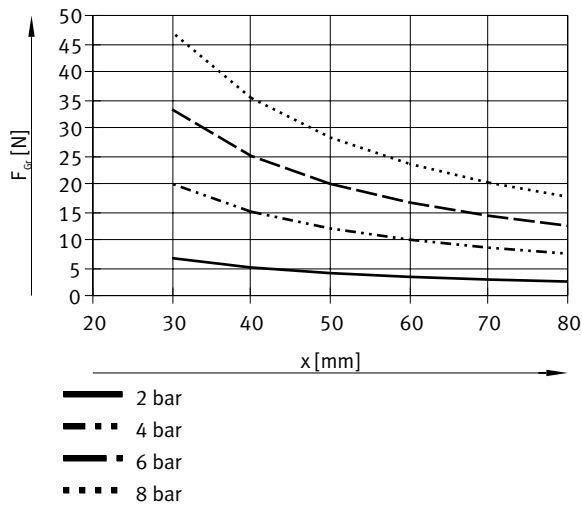


## Datasheet

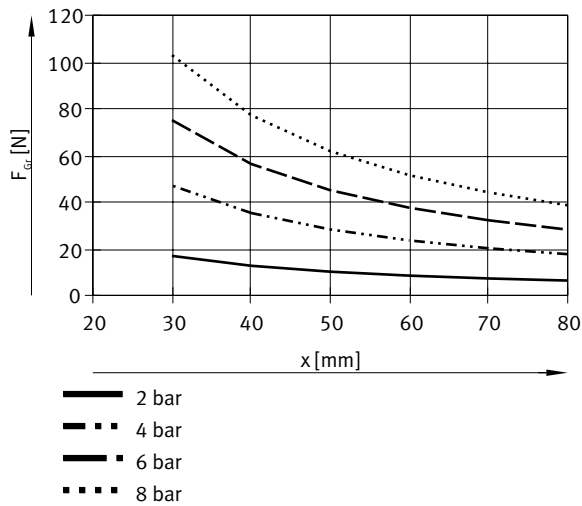
Gripping force  $F$  per gripper jaw as a function of operating pressure and lever arm  $x$  – External gripping (closing), single-acting – DHRC-10-A-S-NOGripping force  $F$  per gripper jaw as a function of operating pressure and lever arm  $x$  – External gripping (closing), single-acting – DHRC-16-A-S-NO

Datasheet

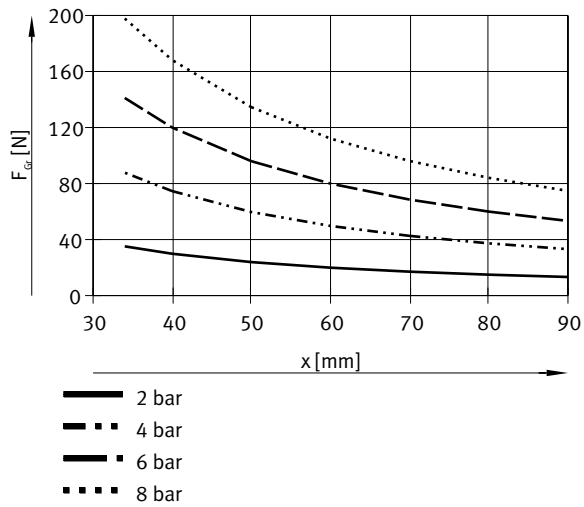
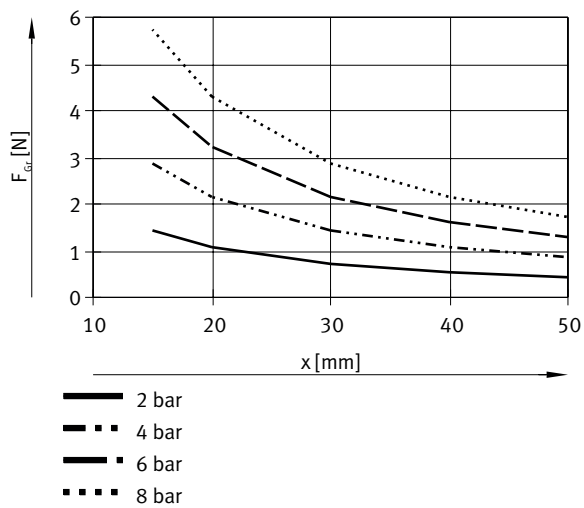
Gripping force  $F$  per gripper jaw as a function of operating pressure and lever arm  $x$  – External gripping (closing), single-acting – DHRC-20-A-S-NO



Gripping force  $F$  per gripper jaw as a function of operating pressure and lever arm  $x$  – External gripping (closing), single-acting – DHRC-25-A-S-NO

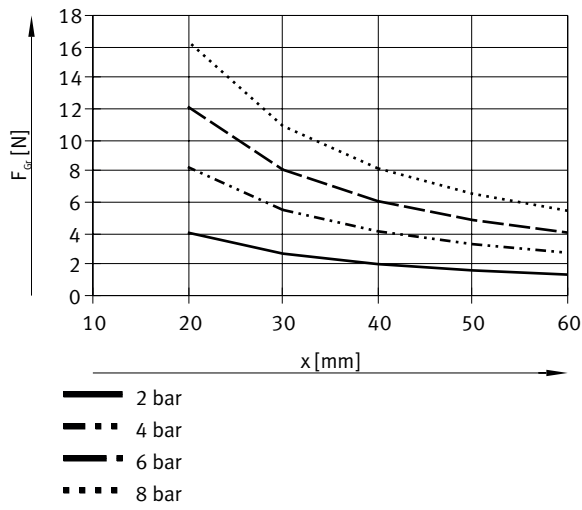


## Datasheet

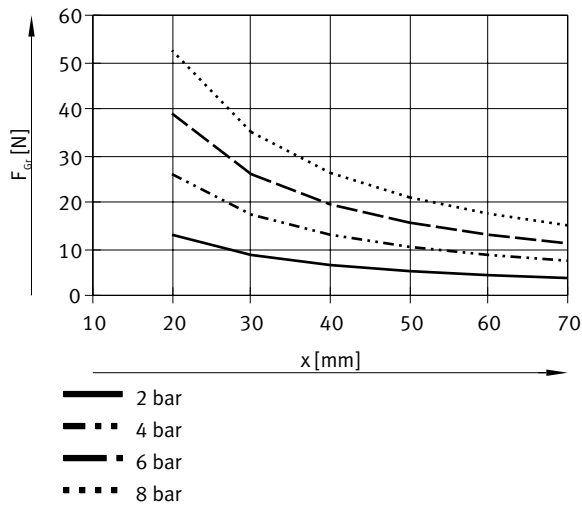
Gripping force  $F$  per gripper jaw as a function of operating pressure and lever arm  $x$  – External gripping (closing), single-acting – DHRC-32-A-S-NOGripping force  $F$  per gripper jaw as a function of operating pressure and lever arm  $x$  – Internal gripping (opening), double-acting – DHRC-6-A

Datasheet

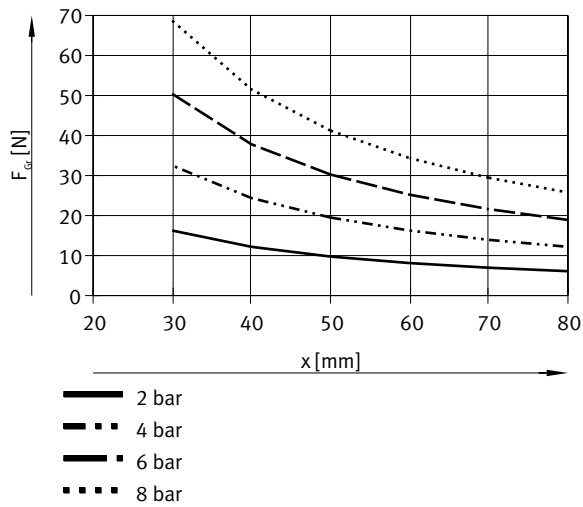
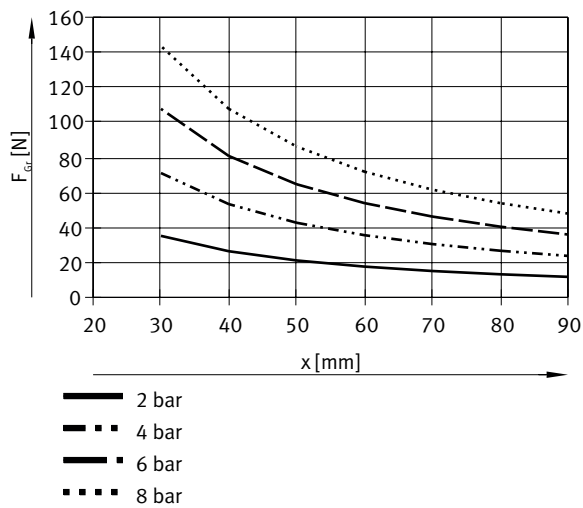
Gripping force  $F$  per gripper jaw as a function of operating pressure and lever arm  $x$  – Internal gripping (opening), double-acting – DHRC-10-A



Gripping force  $F$  per gripper jaw as a function of operating pressure and lever arm  $x$  – Internal gripping (opening), double-acting – DHRC-16-A

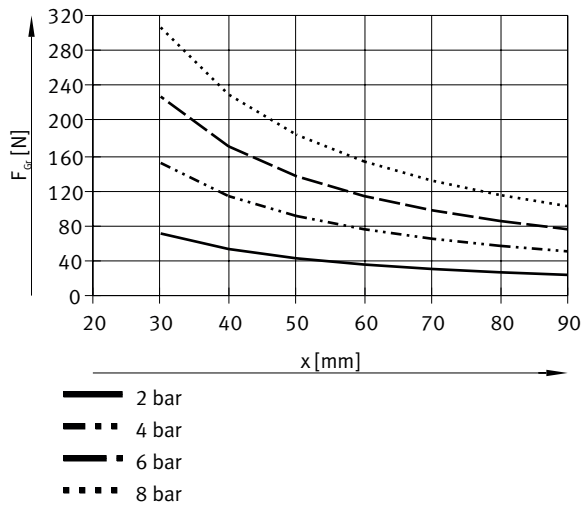


## Datasheet

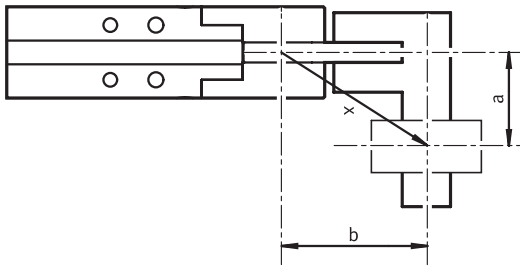
Gripping force  $F$  per gripper jaw as a function of operating pressure and lever arm  $x$  – Internal gripping (opening), double-acting – DHRC-20-AGripping force  $F$  per gripper jaw as a function of operating pressure and lever arm  $x$  – Internal gripping (opening), double-acting – DHRC-25-A

Datasheet

Gripping force F per gripper jaw as a function of operating pressure and lever arm x – Internal gripping (opening), double-acting – DHRC-32-A



Gripping force F per gripper jaw at 0.6 MPa (6 bar, 87 psi) as a function of lever arm x and eccentricity a and b



Gripping force F per gripper jaw at 0.6 MPa (6 bar, 87 psi) as a function of lever arm x and eccentricity a and b

$$x = \sqrt{a^2 + b^2} = \sqrt{20^2 + 25^2} = 32 \text{ mm}$$

The formula (on the left) must be used to calculate the lever arm x with eccentric gripping.  
 The gripping force F can then be read from the graphs using the calculated value x.

Calculation example:

Assuming:

Distance a = 20 mm

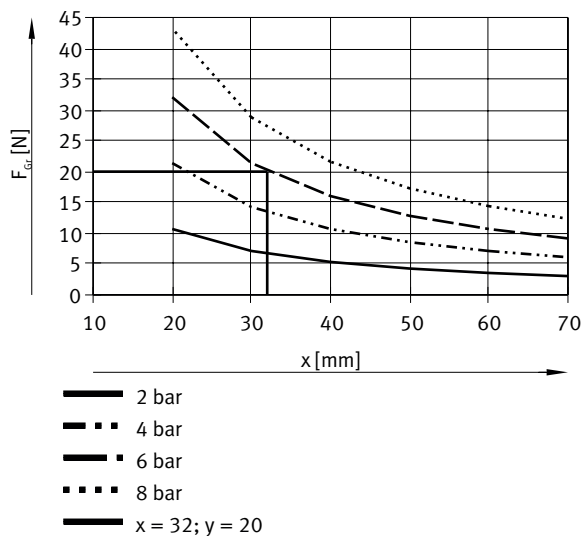
Distance b = 25 mm

To be determined:

The gripping force at 6 bar, with a DHRC-16-A, used as an external gripper.

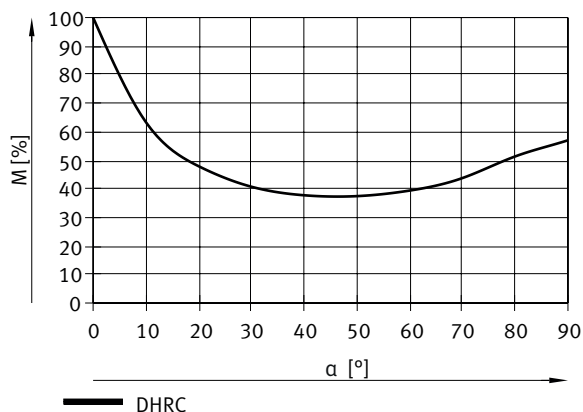
Datasheet

Gripping force F per gripper jaw at 0.6 MPa (6 bar, 87 psi) as a function of lever arm x and eccentricity a and b



The graph gives a value of F = 20 N for the gripping force.

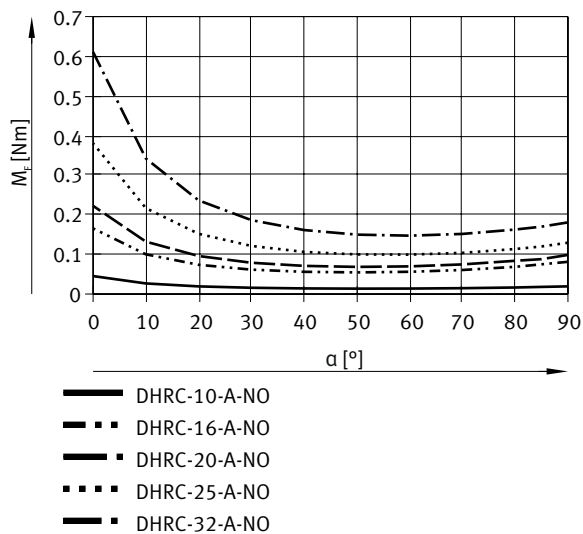
Torque curve M as a function of opening angle



The drive principle of the gripper jaws means that the torque is not constant across the opening angle. The percentage available in each case can be calculated in the graph.

Opening angle of 0° means: parallel gripper jaw position.

Spring moment M as a function of the opening angle



Calculation of the actual gripping torques M for DHRC-...-S-NO as a function of the application:

The gripper with integrated spring, DHRC-...-S-NO (opening), can be used as a single-acting gripper.

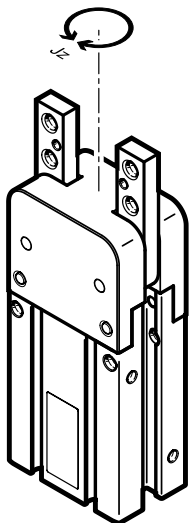
To calculate the available gripping torque MGrtotal (per gripper jaw), the data from the graphs for the gripping force FGr, the torque curve M and the spring torque MF must be combined accordingly.

$$MGr = FGr * x * M [%]$$

- MGr = Gripping torque
- FGr = Gripping force
- x = Lever arm
- M = Torque curve

## Datasheet

### Mass moments of inertia



Mass moment of inertia of the gripper in relation to the central axis, without external gripper fingers, with no load.

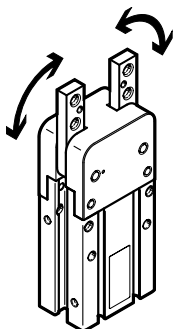
#### Mass moments of inertia – DHRC...

Size	6	10	16	20	25	32
Mass moment of inertia	0.01 kgcm <sup>2</sup>	0.04 kgcm <sup>2</sup>	0.132 kgcm <sup>2</sup>	0.292 kgcm <sup>2</sup>	1.311 kgcm <sup>2</sup>	3.105 kgcm <sup>2</sup>

#### Mass moments of inertia – DHRC...-NO

Size	10	16	20	25	32
Mass moment of inertia	0.044 kgcm <sup>2</sup>	0.134 kgcm <sup>2</sup>	0.294 kgcm <sup>2</sup>	1.316 kgcm <sup>2</sup>	3.122 kgcm <sup>2</sup>

### Opening and closing times



The indicated opening and closing times [ms] were measured at room temperature at an operating pressure of 0.6 MPa (6 bar, 87 psi) with a horizontally mounted gripper and without additional gripper fingers (mean values shown).

The grippers must be throttled for larger applied loads. Opening and closing times must then be adjusted accordingly.

#### Opening and closing times – DHRC...

Size	6	10	16	20	25	32
Min. opening time at 0.6 MPa (6 bar, 87 psi)	10 ms	28 ms	37 ms	44 ms	90 ms	117 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	19 ms	43 ms	53 ms	57 ms	117 ms	129 ms

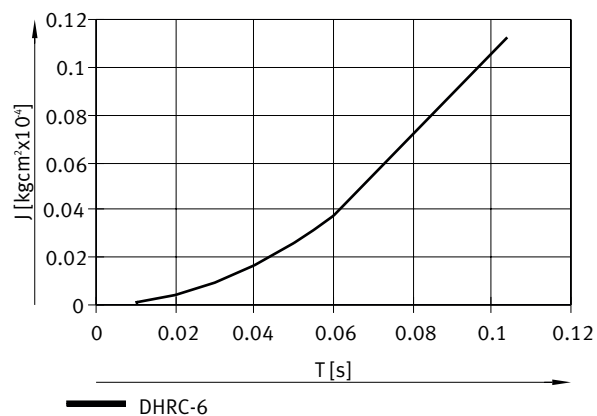
#### Opening and closing times – DHRC...-NO

Size	10	16	20	25	32
Min. opening time at 0.6 MPa (6 bar, 87 psi)	53 ms	42 ms	73 ms	147 ms	229 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	26 ms	21 ms	32 ms	45 ms	65 ms

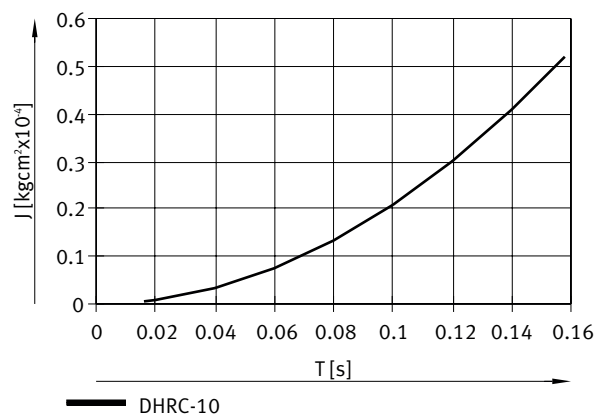


## Datasheet

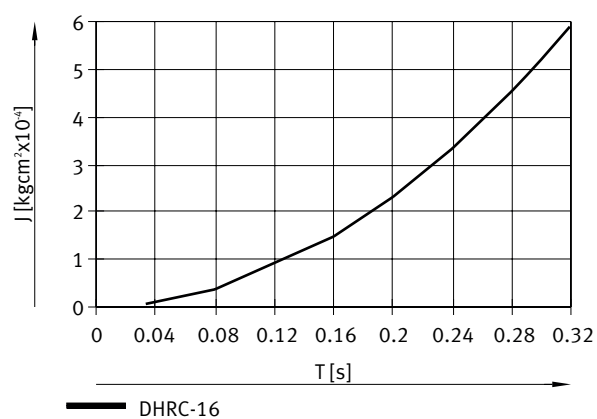
Opening and closing times  $T$  to be set at 0.6 MPa (6 bar, 87 psi) as a function of mass moment of inertia of the gripper fingers – DHRC-6



Opening and closing times  $T$  to be set at 0.6 MPa (6 bar, 87 psi) as a function of mass moment of inertia of the gripper fingers – DHRC-10

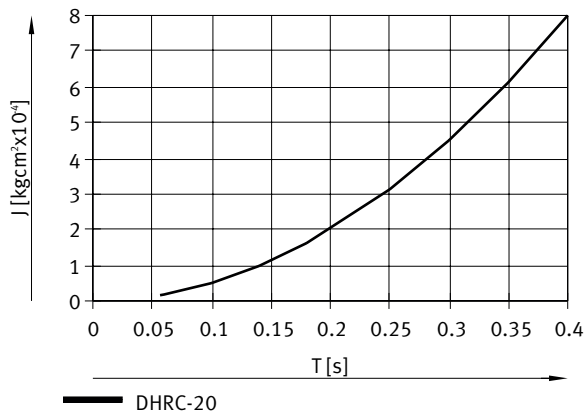


Opening and closing times  $T$  to be set at 0.6 MPa (6 bar, 87 psi) as a function of mass moment of inertia of the gripper fingers – DHRC-16

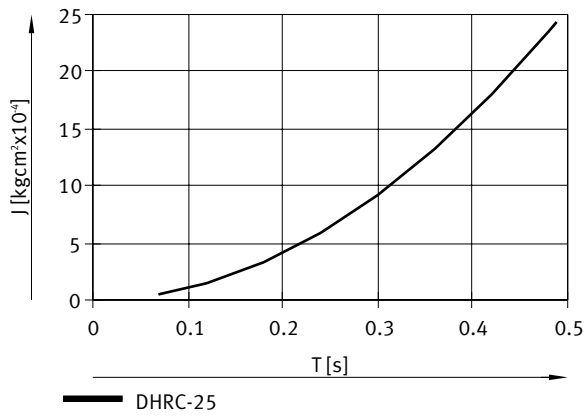


Datasheet

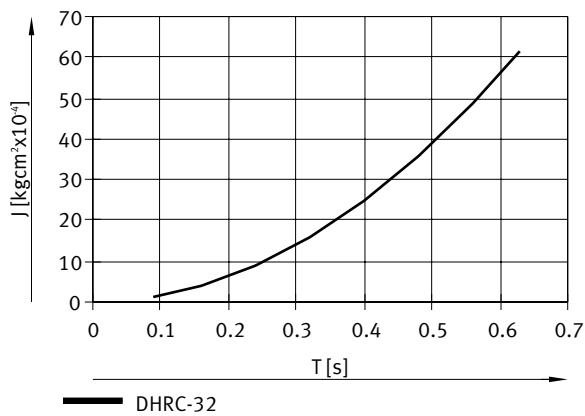
Opening and closing times T to be set at 0.6 MPa (6 bar, 87 psi) as a function of mass moment of inertia of the gripper fingers – DHRC-20



Opening and closing times T to be set at 0.6 MPa (6 bar, 87 psi) as a function of mass moment of inertia of the gripper fingers – DHRC-25



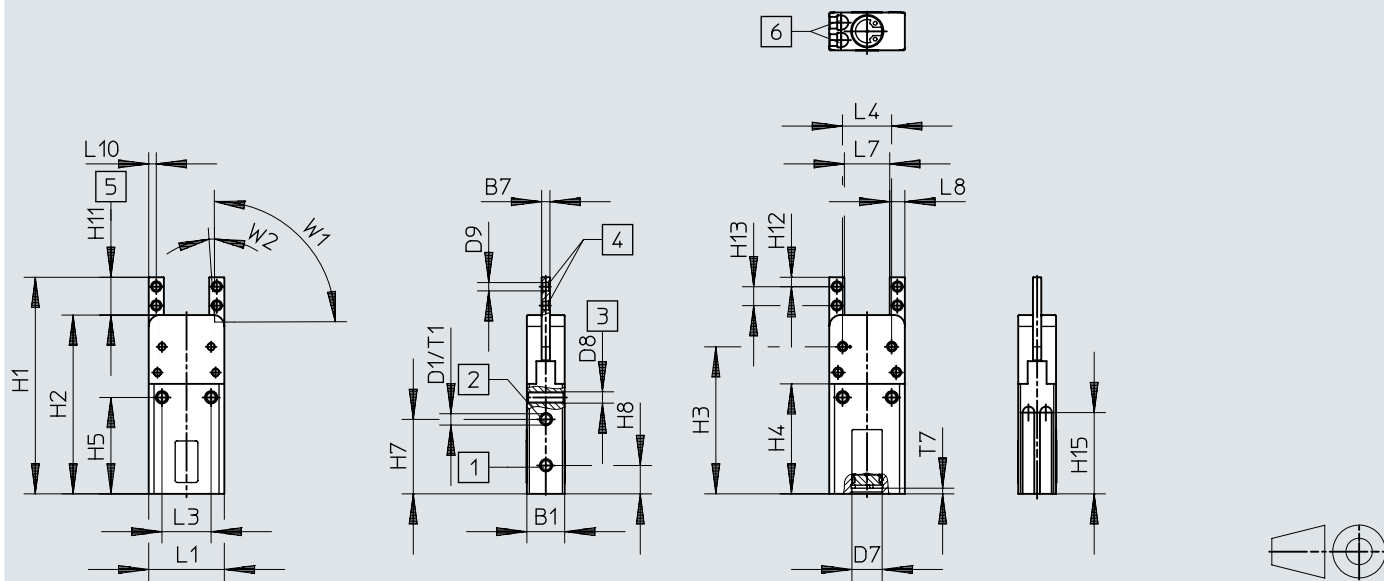
Opening and closing times T to be set at 0.6 MPa (6 bar, 87 psi) as a function of mass moment of inertia of the gripper fingers – DHRC-32



## Dimensions

### Dimensions – DHRC-6

Download CAD data [www.festo.com](http://www.festo.com)



- [1] Open pneumatic connection
- [2] Close pneumatic connection
- [3] Threaded hole for mounting the gripper
- [4] Threaded hole for mounting gripper fingers
- [5] Area for mounting gripper fingers
- [6] C-slot for proximity switch

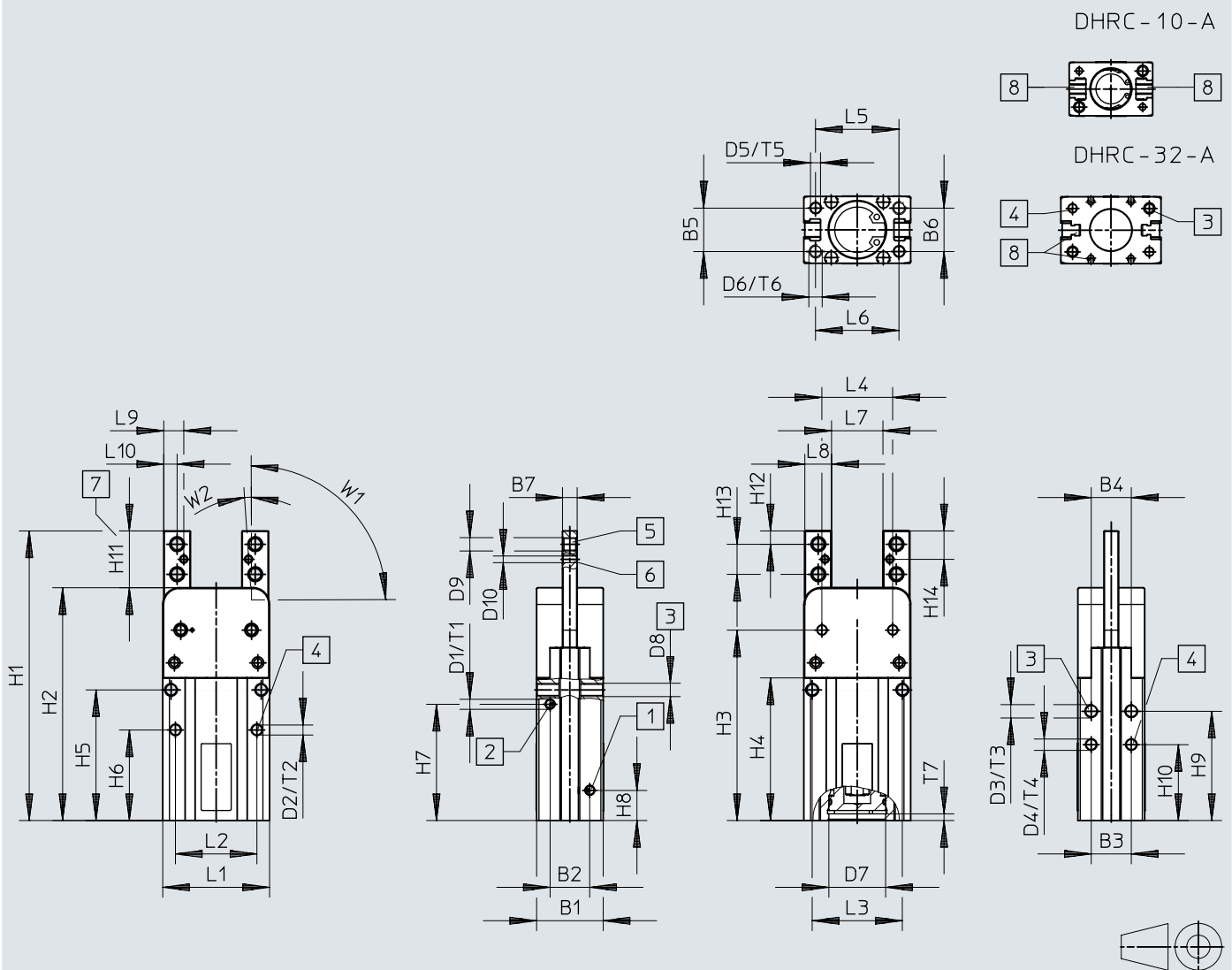
	B1	B7	D1	D7	D8	D9	H1	H2	H3	H4	H5	H7	H8	H11
	+0,3	-0,01 -0,05		∅ H8										-0,2
DHRC-6-A	10	2,2	M3	8	M3	2,2 <sup>+0,1</sup>	57,3	47,3	38,9	29,1	25,5	19,7	7,5	10

	H12	H13	H15	L1	L3	L4	L7	L8	L10	T1	T7	W1	W2
	-0,2			+0,3			-0,4	-0,4	+0,025 -0,225			±2°	+3°
DHRC-6-A	2,5	5	21,5	20	13	13	12	4	2	4,5	1,5	90°	2°

## Dimensions

Dimensions – DHRC-10 ... 32

Download CAD data [www.festo.com](http://www.festo.com)



- [1] Open pneumatic connection
- [2] Close pneumatic connection
- [3] Threaded hole for mounting the gripper
- [4] Centring holes
- [5] Threaded hole for mounting gripper fingers
- [6] Area for mounting gripper fingers
- [7] DHRC-10: T-slot for proximity switches, DHRC-16 ... 32: Round slot and T-slot for proximity switches


## Dimensions


	B1	B2	B3	B4	B5	B6	B7	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10
	+0,3		±0,02			±0,02	-0,01 -0,05		∅ H9		∅ H9	∅ H9		∅ H8			∅ +0,02
DHRC-10-A	16	10,8	10,8	10,8	10,8	10,8	3	M3	2	M3	2	2	M3	12	M3	3,2 <sup>+0,1</sup>	2
DHRC-10-A-S-NO																	
DHRC-16-A	20	11,9	12	12	13	13	4,4	M3	3	M4	3	3	M4	17	M4	M4	3
DHRC-16-A-S-NO																	
DHRC-20-A	26	15,6	16	14	16,6	17	5,6	M5	4	M5	4	4	M5	21	M5	M5	3
DHRC-20-A-S-NO																	
DHRC-25-A	33	20,4	21	21	20	20	6,6	M5	4	M6	4	4	M6	26	M6	M5	3
DHRC-25-A-S-NO																	
DHRC-32-A	40	24	26	26	26	26	8,6	M5	5	M6	5	5	M6	25	M6	M6	3
DHRC-32-A-S-NO																	


	H1	H2	H3	H4	H5	H6	H7	H8	H9	H10	H11	H12	H13	H14	L1	L2	L3
						+0,1				+0,1	-0,2	-0,2		-0,2	+0,3	±0,02	
DHRC-10-A	69,2	53,6	43,8	-	27,5	17,5	21,5	7	22	14,4	15,6	3,5	8,6	7,8	25	18	18,6
DHRC-10-A-S-NO	75	59,4	49,6		33,3	23,3	27,3		27,8	20,2							
DHRC-16-A	86,7	69,7	57	42,7	39,1	27,1	34,8	9	32,7	22,7	17	4	9	8,5	32	24,4	27
DHRC-16-A-S-NO																	
DHRC-20-A	101,2	82,2	66,9	48,7	44,6	30,6	38,6	10,2	37,6	25,6	19	5	9	9,5	40	28,4	31,6
DHRC-20-A-S-NO																	
DHRC-25-A	122,6	99,6	79,9	58,1	53,4	38,4	46,4	10,5	45,4	33,4	23	5,5	12	11,5	50	37,2	37,4
DHRC-25-A-S-NO																	
DHRC-32-A	141,8	113,8	89,8	61,8	57,3	39,8	49,3	11	48,3	35,3	28	6	16	14	60	46	46
DHRC-32-A-S-NO																	

	L4	L5	L6	L7	L8	L9	L10	T1	T2	T3	T4	T5	T6	T7	W1	W2
		±0,02		-0,4	-0,4	+0,025 -0,225	-0,2								±2°	+3°
DHRC-10-A	15,8	19	19	13	6	3	3	4	3	4	3	3	4	1,5	90°	2°
DHRC-10-A-S-NO																
DHRC-16-A	21,2	25	25	15,4	8	6	4	4,5	3	4,5	3	3	6	2	90°	2°
DHRC-16-A-S-NO																
DHRC-20-A	26,8	31	30	22	9	6	4,5	6	4	8	4	4	10	2	90°	2°
DHRC-20-A-S-NO																
DHRC-25-A	33	38	38	29,4	10	5	5	7,5	4	10	4	4	12	2	90°	2°
DHRC-25-A-S-NO																
DHRC-32-A	39,8	46	46	34,4	12	6	6	7,5	5	10	5	5	13	2	90°	2°
DHRC-32-A-S-NO																

Ordering data

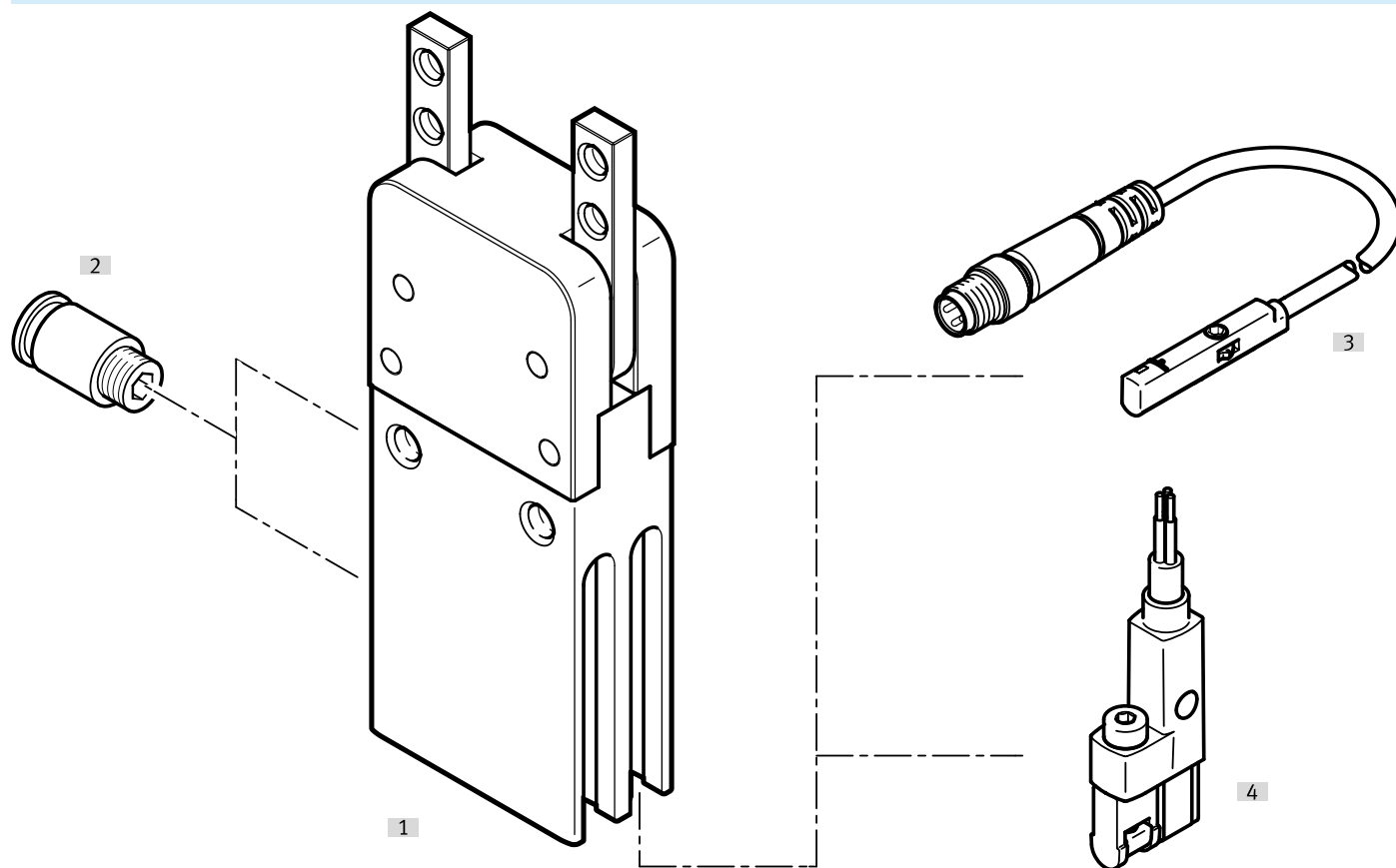
DHRC-6-...					
	Size	Mode of operation	Product weight	Part no.	Type
	6	Double-acting	24.5 g	<b>8125285</b>	<b>DHRC-6-A</b>
		Single-acting Open			

DHRC-10-...					
	Size	Mode of operation	Product weight	Part no.	Type
	10	Double-acting	54 g	<b>8125472</b>	<b>DHRC-10-A</b>
		Single-acting Open	59.5 g	<b>8133559</b>	<b>DHRC-10-A-S-NO</b>

DHRC-16 ... 32-...					
	Size	Mode of operation	Product weight	Part no.	Type
	16	Double-acting	111 g	<b>8128723</b>	<b>DHRC-16-A</b>
		Single-acting Open	112.5 g	<b>8128721</b>	<b>DHRC-16-A-S-NO</b>
	20	Double-acting	218.4 g	<b>8128697</b>	<b>DHRC-20-A</b>
		Single-acting Open	220 g	<b>8128698</b>	<b>DHRC-20-A-S-NO</b>
	25	Double-acting	438.5 g	<b>8128142</b>	<b>DHRC-25-A</b>
		Single-acting Open	440 g	<b>8133557</b>	<b>DHRC-25-A-S-NO</b>
	32	Double-acting	716.5 g	<b>8128107</b>	<b>DHRC-32-A</b>
		Single-acting Open	720.5 g	<b>8133558</b>	<b>DHRC-32-A-S-NO</b>

## Peripherals

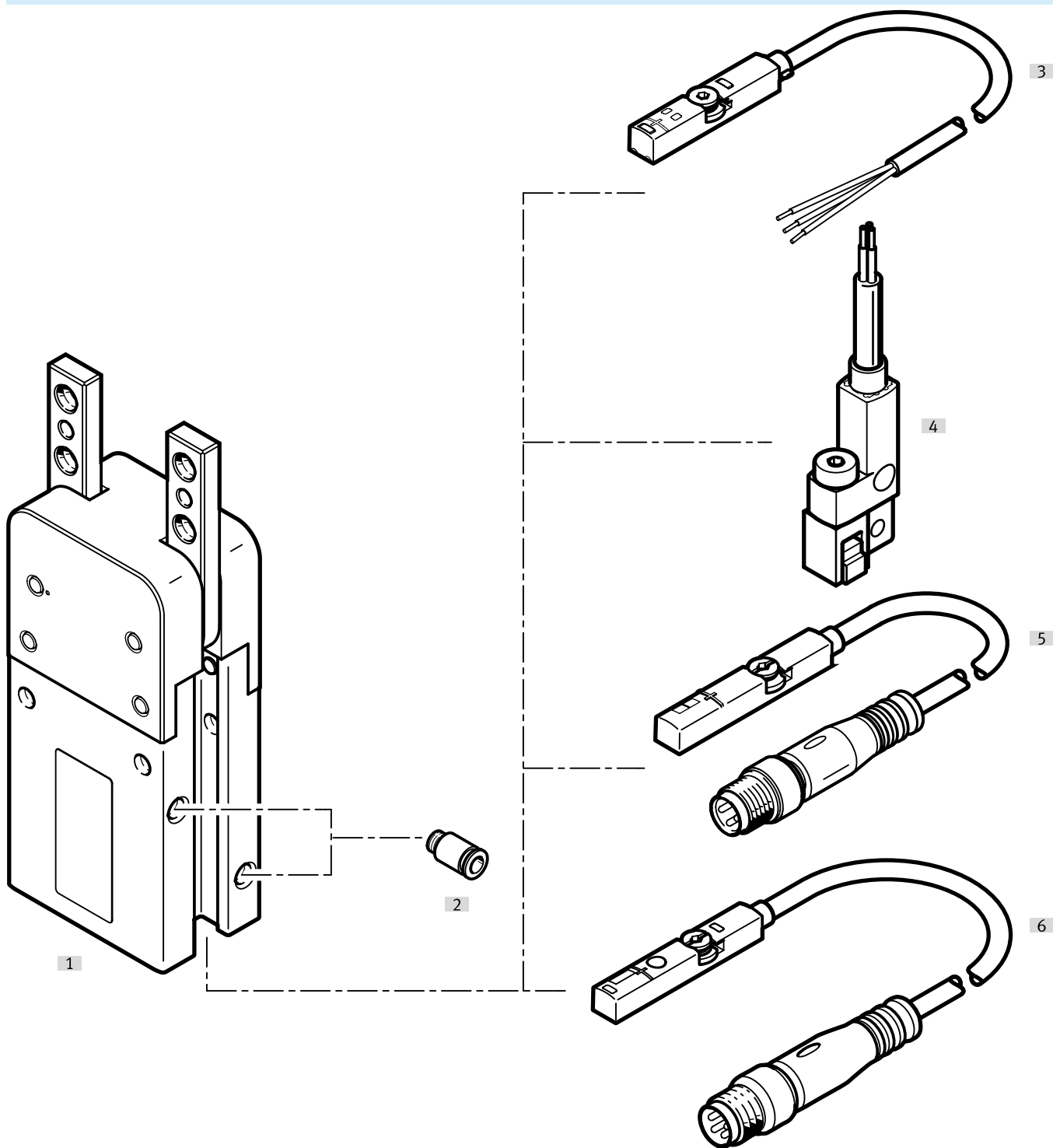
Size 6



Accessories			→ Link
Type/order code	Description		
[1] Radial grippers DHRC	Double-acting		<a href="#">dhrc</a>
[2] Push-in fitting QS	For connecting tubing with standard O.D		<a href="#">qs</a>
[3] Proximity switch SMT-10M	For sensing the piston position in the end positions		26
[4] Proximity switch SMT-10G	For sensing the piston position in the end positions		26

Peripherals

Size 10

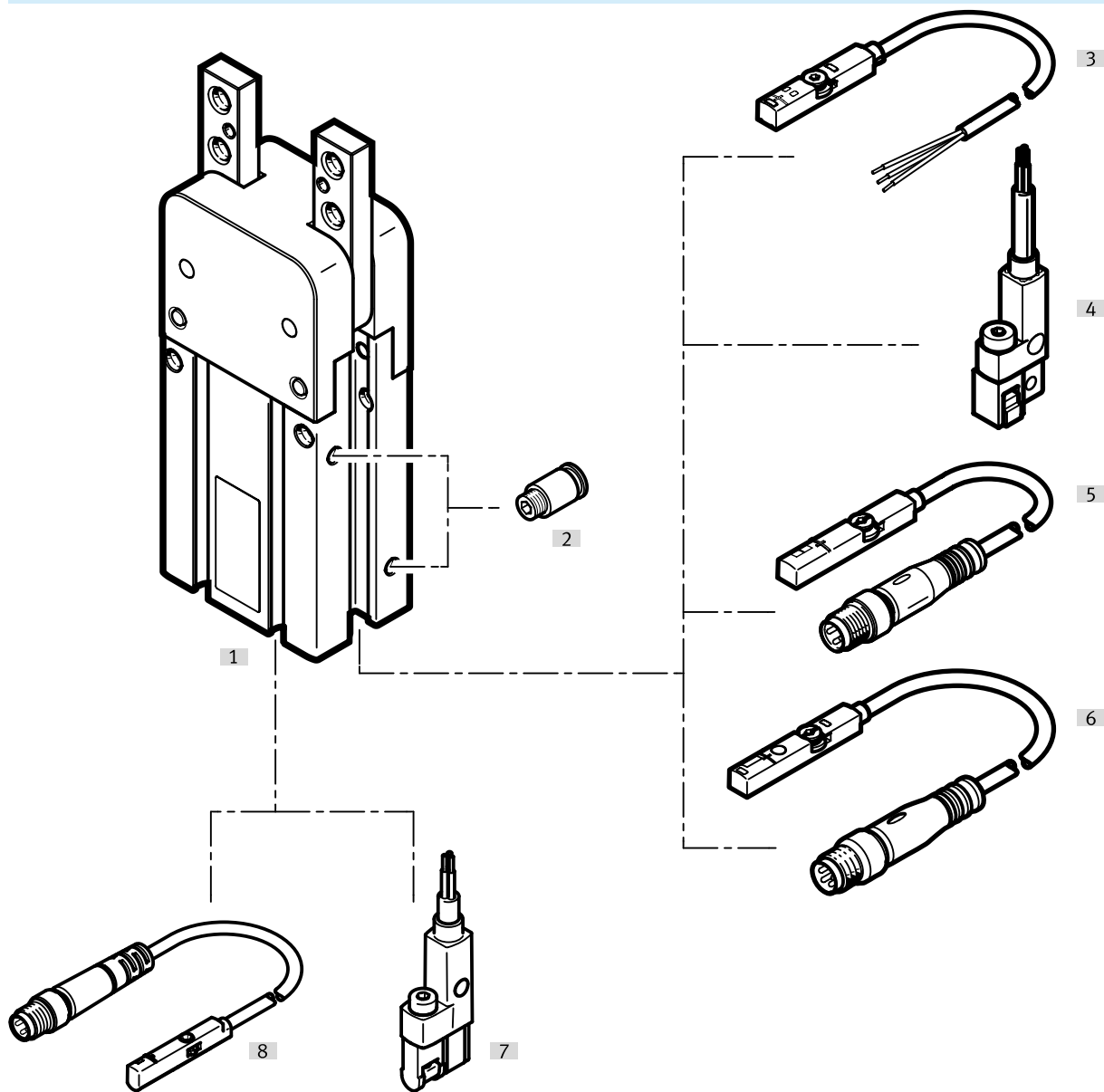


Accessories		→ Link
Type/order code	Description	
[1] Radial grippers DHRC	Double-acting or single-acting	<a href="#">dhrc</a>
[2] Push-in fitting QS	For connecting tubing with standard O.D	<a href="#">qs</a>
[3] Proximity switch SMT-8M	For sensing the piston position in the end positions	<a href="#">26</a>
[4] Proximity switch SMT-8G	For sensing the piston position in the end positions	<a href="#">26</a>
[5] Position transmitter SMAT-8M	For sensing the piston position at any point	<a href="#">27</a>
[6] Position transmitter SDAS-MHS	For sensing the piston position at any point	<a href="#">27</a>



Peripherals

Size 16 ... 32

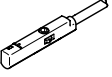


Accessories			→ Link
Type/order code	Description		
[1] Radial grippers DHRC	Double-acting or single-acting		<a href="#">dhrc</a>
[2] Push-in fitting QS	For connecting tubing with standard O.D		<a href="#">qs</a>
[3] Proximity switch SMT-8M	For sensing the piston position in the end positions		<a href="#">26</a>
[4] Proximity switch SMT-8G	For sensing the piston position in the end positions		<a href="#">26</a>
[5] Position transmitter SMAT-8M	For sensing the piston position at any point		<a href="#">27</a>
[6] Position transmitter SDAS-MHS	For sensing the piston position at any point		<a href="#">27</a>
[7] Proximity switch SMT-10G	For sensing the piston position in the end positions		<a href="#">26</a>
[8] Proximity switch SMT-10M	For sensing the piston position in the end positions		<a href="#">26</a>

## Accessories


## Proximity switch SMT-10M for round slot, magneto-resistive – for sizes 6, 16 ... 32

Link [smt](#)

	Type of mounting	Switching output	Electrical connection	Cable length	Part no.	Type
	Screw-clamped, Insertable in the slot from above	3-wire PNP N/O contact	Open end	2.5 m	551374	SMT-10M-PS-24V-E-2,5-Q-OE
					★ 551373	SMT-10M-PS-24V-E-2,5-L-OE
			Plug M8, A-coded	0.3 m	★ 551375	SMT-10M-PS-24V-E-0,3-L-M8D
					551376	SMT-10M-PS-24V-E-0,3-Q-M8D

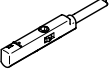
## Proximity switch SMT-10G for round slot, magneto-resistive – for sizes 6, 16 ... 32

Link [smt](#)

	Type of mounting	Switching output	Electrical connection	Cable length	Part no.	Type
	Clamped in C-slot, Insertable in the slot lengthwise	3-wire NPN N/O contact	Open end	2.5 m	8065030	SMT-10G-NS-24V-E-2,5Q-OE
			Plug M8, A-coded	0.3 m	8065029	SMT-10G-NS-24V-E-0,3Q-M8D
		3-wire PNP N/O contact	Open end	2.5 m	547862	SMT-10G-PS-24V-E-2,5Q-OE
			Plug M8, A-coded	0.3 m	547863	SMT-10G-PS-24V-E-0,3Q-M8D


## Proximity switch SMT-8M for T-slot, magneto-resistive – for sizes 10 ... 32

Link [smt](#)

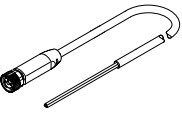
	Type of mounting	Switching output	Electrical connection	Cable length	Part no.	Type
	Screw-clamped, Insertable in the slot from above	3-wire NPN N/O contact	Open end	2.5 m	★ 574338	SMT-8M-A-NS-24V-E-2,5-OE
			Plug M8, A-coded	0.3 m	★ 574339	SMT-8M-A-NS-24V-E-0,3-M8D
		3-wire PNP N/C contact	Open end	7.5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

## Proximity switch SMT-8G for T-slot, magneto-resistive – for sizes 10 ... 32

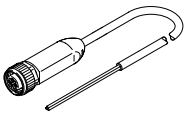
Link [smt](#)

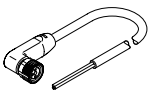
	Type of mounting	Switching output	Electrical connection	Cable length	Part no.	Type
	Clamped in T-slot, Insertable in the slot lengthwise	3-wire NPN N/O contact	Open end	2.5 m	8065028	SMT-8G-NS-24V-E-2,5Q-OE
			Plug M8, A-coded	0.3 m	8065027	SMT-8G-NS-24V-E-0,3Q-M8D
		3-wire PNP N/O contact	Open end	2.5 m	547859	SMT-8G-PS-24V-E-2,5Q-OE
			Plug M8, A-coded	0.3 m	547860	SMT-8G-PS-24V-E-0,3Q-M8D

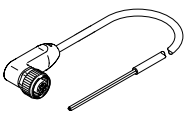
## Connecting cables NEBA, straight

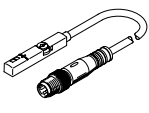
	Electrical connection 1, connector system	Electrical connection 2, connector system	Electrical connection 2, number of connections/cores	Cable length	Part no.	Type
	M8x1, A-coded, to EN 61076-2-104	Open end	3	2.5 m	★ 8078223	NEBA-M8G3-U-2.5-N-LE3
				5 m	★ 8078224	NEBA-M8G3-U-5-N-LE3

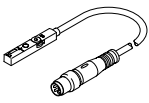
## Accessories

Connecting cables NEBA, straight						
	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						
	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

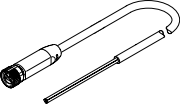
Connecting cables NEBA, angled						
	Electrical connection 1, connector system	Electrical connection 2, connector system	Electrical connection 2, number of connections/cores	Cable length	Part no.	Type
	M12x1, A-coded to EN 61076-2-101	Open end	3	2.5 m	8078245	NEBA-M12W5-U-2.5-N-LE3
				5 m	8078246	NEBA-M12W5-U-5-N-LE3

Position transmitter SMAT-8M for T-slot, plug M8, A-coded – for size 10 ... 32						Link <a href="#">smat</a>
	Sensing range	Analogue output	Electrical connection 1, number of connections/cores	Cable length	Part no.	Type
	52 mm	0 - 10 V	4	0.3 m	553744	SMAT-8M-U-E-0,3-M8D

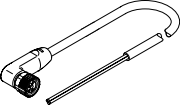
Position transmitter SDAS for T-slot, M8 plug, A-coded – for size 10 ... 32						Link <a href="#">sdas</a>
	Description	Sensing range	Electrical connection 1, number of connections/cores	Cable length	Part no.	Type
	Operating modes: two adjustable switching outputs; IO-Link®	52 mm	4	0.3 m	8063974	SDAS-MHS-M40-1L-PNLK-PN-E-0.3-M8
				2.5 m	8063975	SDAS-MHS-M40-1L-PNLK-PN-E-2.5-LE

## Accessories

## Connecting cables NEBA, straight

	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	4	2.5 m	★ 8078227	NEBA-M8G4-U-2.5-N-LE4
				5 m	8078228	NEBA-M8G4-U-5-N-LE4

## Connecting cables NEBA, angled

	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	4	2.5 m	★ 8078233	NEBA-M8W4-U-2.5-N-LE4
				5 m	8078234	NEBA-M8W4-U-5-N-LE4