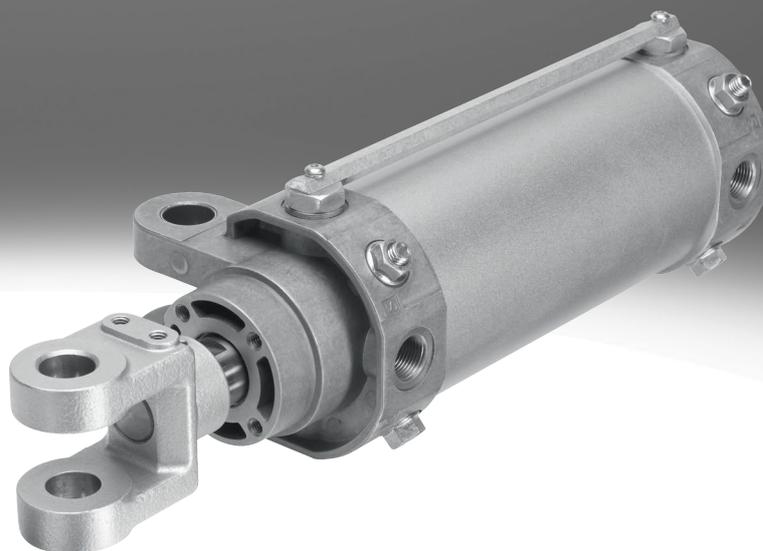


Hinge cylinders DW

FESTO

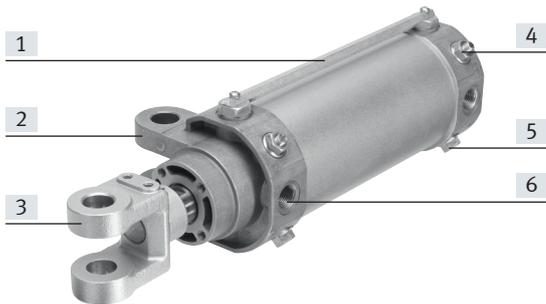


Key features

At a glance

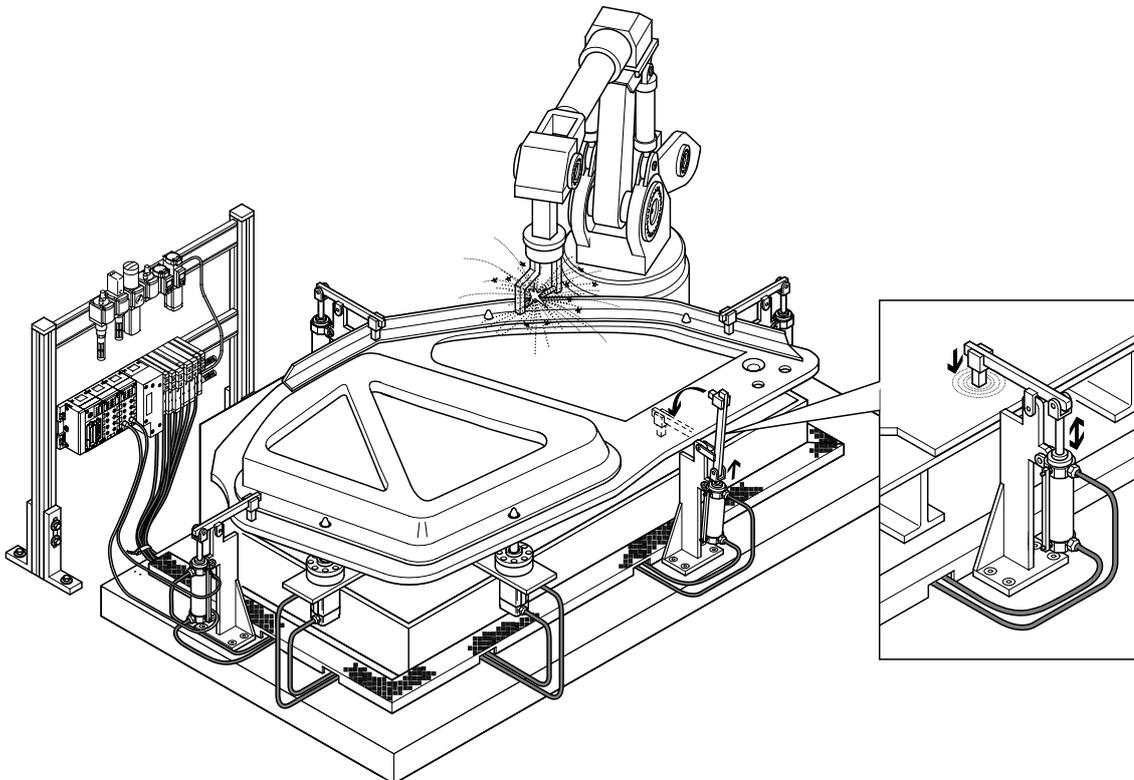
- Hinge cylinder for clamping components during the welding process
- Easy to mount thanks to the swivel bearing on the bearing cap
- Integrated flow control
- Integrated end-position cushioning
- Rod wiper seal to protect against welding spatter
- Asian automotive standard for car body production

The technology in detail

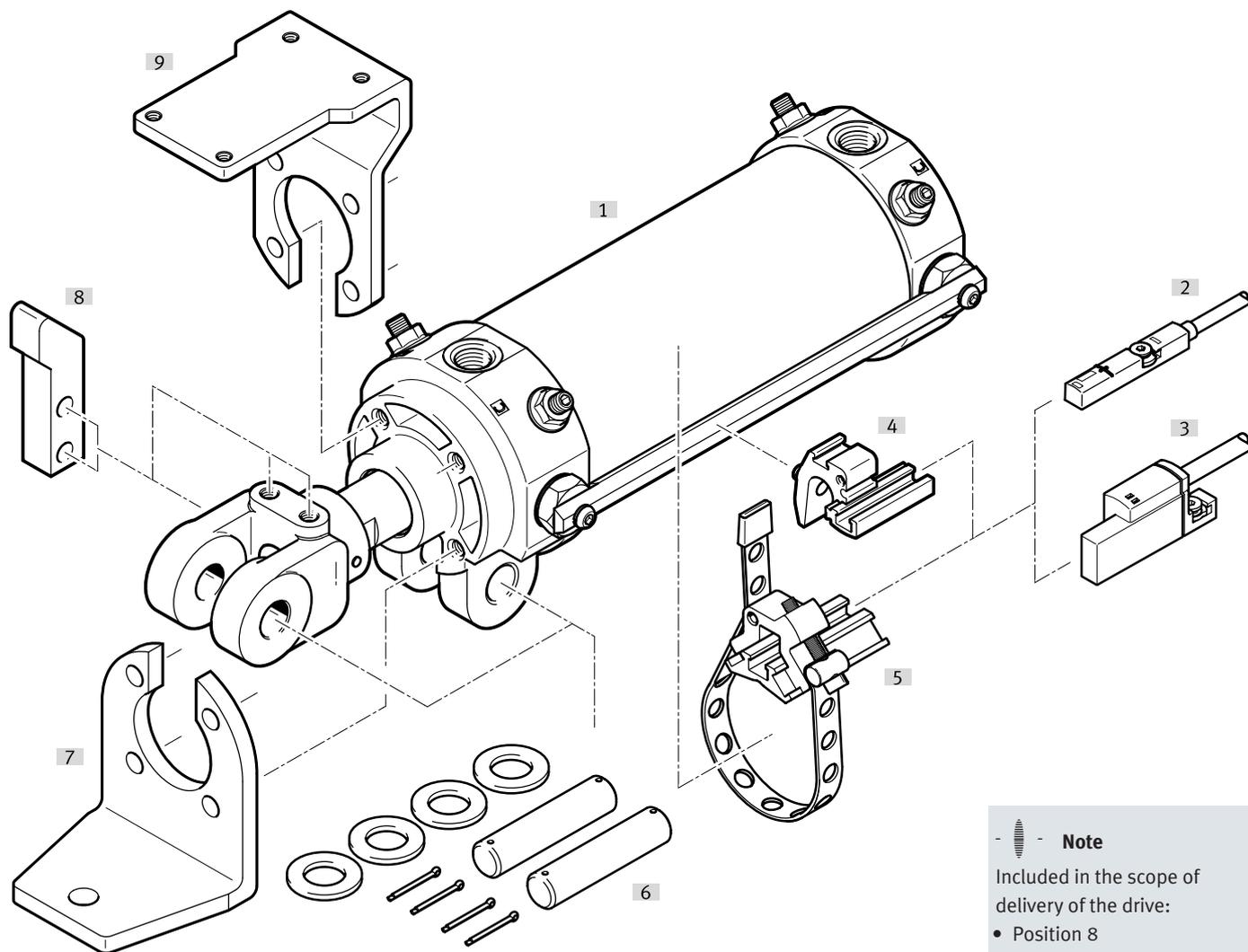


- [1] Different options for sensing the piston rod position:
 - Via sensor rail (→ Figure)
 - Via mounting kit SMBR with proximity switch SMT-8M or SDBT-BSW
 - Via external proximity switch using a switch lever
- [2] Swivel bearing on the cylinder. The fork gaps of the rod clevis and swivel bearing are identical
- [3] Different rod clevis gaps can be selected
- [4] Integrated flow control
- [5] Integrated end-position cushioning
- [6] Pneumatic connection, either:
 - Via Rc or G thread
 - Connection options on three sides (e.g. by modifying the sensor rail)

Use as a clamping cylinder



Peripherals overview



| Accessories | | |
|-------------------------------|---|-----------------|
| Type | Brief description | → Page/Internet |
| [1] Hinge cylinders DW | Double-acting | 5 |
| [2] Proximity switch SMT-8M | Proximity switch with flat design for sensing the piston rod position | 13 |
| [3] Proximity switch SDBT-BSW | Welding field immune proximity switch for sensing the piston rod position | 13 |
| [4] Mounting SMBZ | For mounting the proximity switches SMT-8M or SDBT-BSW on the sensor rail | 14 |
| [5] Mounting kit SMBR | For mounting the proximity switches SMT-8M or SDBT-BSW on the cylinder | 14 |
| [6] Mounting kit DAMD | <ul style="list-style-type: none"> 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 | 13 |
| [7] Foot mounting HNH | For mounting the cylinder | 12 |
| [8] Switch lever KTH | For sensing the piston rod position via external proximity switches | 12 |
| [9] Mounting bracket TBH | For mounting external proximity switches | 12 |

Type codes

| | | |
|------------|----------------|--|
| 001 | Series | |
| DW | Hinge cylinder | |

| | | |
|------------|----------------------------|--|
| 002 | Rod clevis gap [mm] | |
| | 28 | |
| A | 16 | |
| B | 19.5 | |
| C | 16.5 | |

| | | |
|------------|------------------------|--|
| 003 | Piston diameter | |
| 50 | 50 | |
| 63 | 63 | |
| 80 | 80 | |

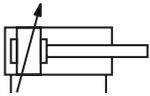
| | | |
|------------|---------------|--|
| 004 | Stroke | |
| 50 | 50 | |
| 75 | 75 | |
| 100 | 100 | |
| 125 | 125 | |
| 150 | 150 | |

| | | |
|------------|-----------------------|--|
| 005 | Piston rod end | |
| Y | With rod clevis | |

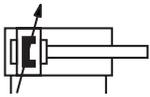
| | | |
|------------|-----------------------------|--|
| 006 | Position sensing | |
| | Without magnet | |
| A | With magnet and sensor rail | |
| AB | With magnet | |

| | | |
|------------|-----------------------------|--|
| 007 | Pneumatic connection | |
| | Rc thread | |
| G | G thread | |

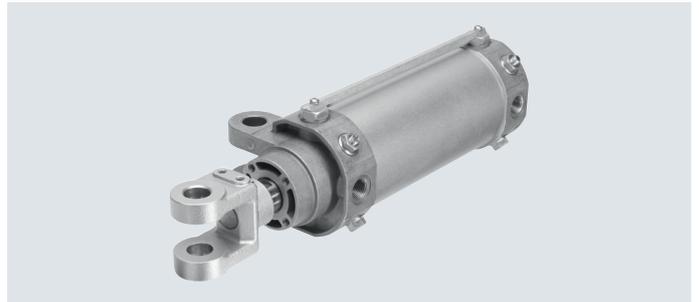
Datasheet



∅ - Diameter
50 ... 80 mm



— - Stroke length
10 ... 200 mm



| General technical data | | | |
|------------------------|--|-----------------------|-------------|
| Piston ∅ | 50 | 63 | 80 |
| Pneumatic connection | G1/4, Rc1/4 | G1/4, Rc1/4 | G3/8, Rc3/8 |
| Piston rod thread | M16x1.5 | | M20x1.5 |
| Piston rod end | Male thread with rod clevis | | |
| Stroke | Standard [mm] | 50, 75, 100, 125, 150 | |
| | Variable [mm] | 10 ... 200 | |
| Rod clevis gap [mm] | 16; 16.5; 19.5 | | 28 |
| Design | Piston rod with rod clevis | | |
| | Swivel mounting on bearing cap | | |
| | Cylinder barrel | | |
| | Piston | | |
| Operating mode | Double-acting | | |
| | Pushing and pulling | | |
| Type of mounting | With swivel mounting on bearing cap | | |
| | With accessories | | |
| Speed control | Integrated flow control at both ends | | |
| Mounting position | Any | | |
| Position sensing | Via proximity switch | | |
| Cushioning | Pneumatic cushioning adjustable at both ends | | |
| Cushioning length [mm] | 20 | | 30 |

| Operating and environmental conditions | |
|--|--|
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on the operating/pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Operating pressure [bar] | 1 ... 10 |
| Ambient temperature [°C] | -10 ... +60 |
| Corrosion resistance class CRC ¹⁾ | 0 |

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

| Weight [g] | | | |
|------------------------------------|------|------|------|
| Piston ∅ | 50 | 63 | 80 |
| Basic weight with 0 mm stroke | 1338 | 1600 | 4185 |
| Additional weight per 10 mm stroke | 37 | 42 | 65 |
| Moving mass with 0 mm stroke | 664 | 741 | 1651 |
| Additional weight per 10 mm stroke | 25 | 25 | 39 |

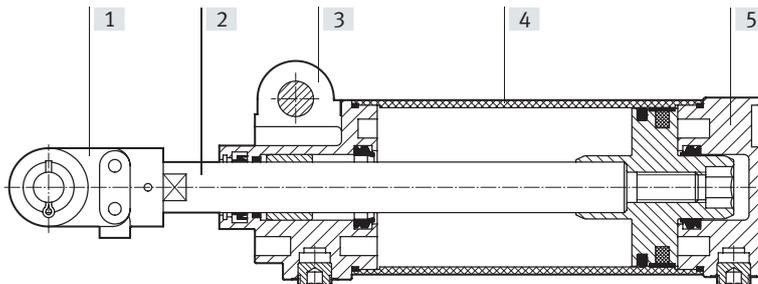
Datasheet

Forces [N] and impact energy [J]

| | | | |
|--|------|------|------|
| Piston \varnothing | 50 | 63 | 80 |
| Theoretical force at 6 bar, advancing | 1178 | 1870 | 3016 |
| Theoretical force at 6 bar, retracting | 990 | 1682 | 2721 |
| Impact energy in the end positions | 0.7 | 1.3 | 1.8 |

Materials

Sectional view



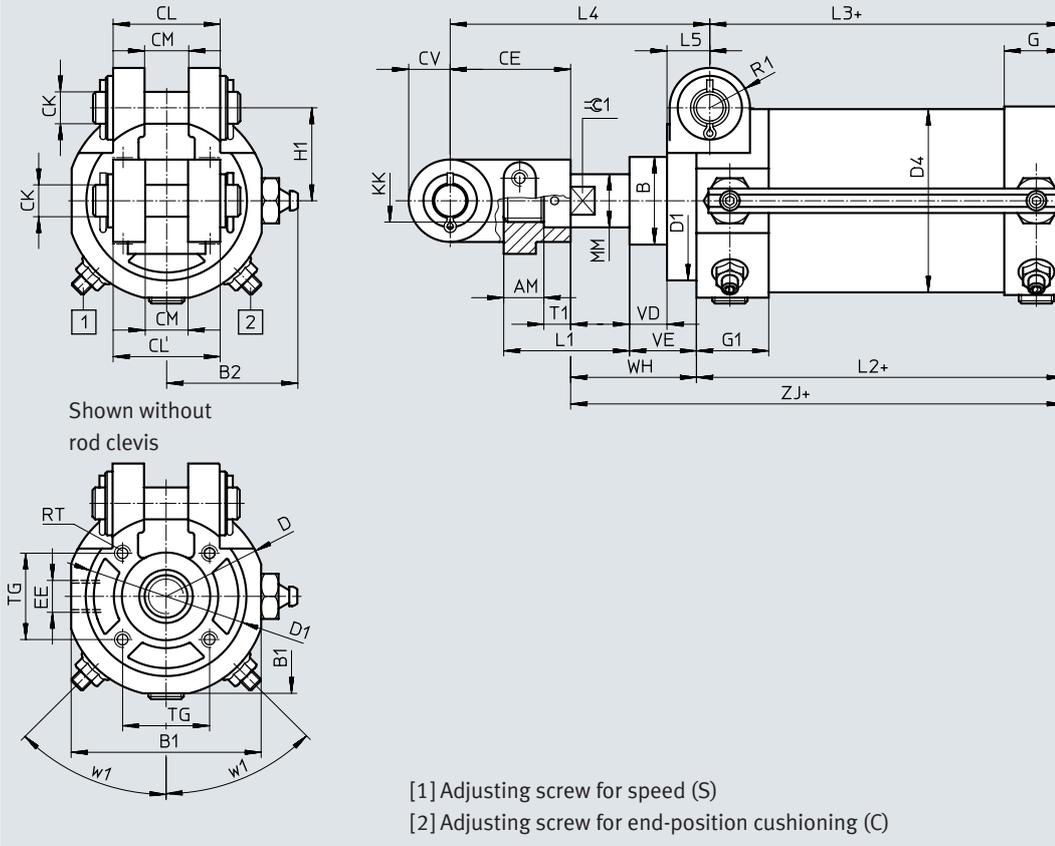
Hinge cylinders

| | |
|-------------------------------|---|
| [1] Rod clevis | Cast steel |
| [2] Piston rod | Quenched and tempered steel, hard-chrome plated |
| [3] Bearing cap with mounting | Die-cast aluminium |
| [4] Cylinder barrel | Anodised wrought aluminium alloy |
| [5] Cover | Anodised die-cast aluminium |
| - Seals | Nitrile rubber |
| Note on materials | RoHS-compliant |
| | LABS (PWIS) conformity: VDMA24364-B2-L |

Datasheet

Dimensions

Download CAD data → www.festo.com



| ∅ [mm] | AM | B ∅ | B1 | B2 | CE | CK ∅ | CL | CM | | |
|-----------|----|--------|----|------|----|---------|----|------------------|------------------|------------------|
| | | | | | | | | DWA +0.4/+0.1 | DWB +0.4/+0.1 | DWC +0.4/+0.1 |
| 50 | 15 | 33 | 58 | 42.5 | 45 | 12 | 40 | 16 | 19.5 | 16.5 |
| 63 | | | 71 | 49 | | | | | | |
| 80 | 23 | 56 | 89 | 58.5 | 58 | 18 | 60 | 28 | 28 | 28 |

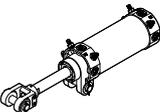
| ∅ [mm] | CV | D ∅ | D1 ∅ | D4 ∅ | EE | | G | G1 | H1 ±0.1 |
|-----------|------|--------|---------|---------|-------|------|----|----|------------|
| | | | | | Rc | G | | | |
| 50 | 15.5 | 61 | 55 | 55 | Rc1/4 | G1/4 | 22 | 27 | 35 |
| 63 | | 75 | 60 | 69 | | | | | |
| 80 | 19 | 93 | 70 | 87 | Rc3/8 | G3/8 | 34 | 34 | 50 |

| ∅ [mm] | KK | L1 | L2 | L3 +0.7/-0.4 | L4 +1.5/-2 | L5 | MM ∅ | R1 | RT |
|-----------|-------|----|-----|-----------------|---------------|----|---------|----|----|
| | | | | | | | | | |
| 63 | | | | | | | | | |
| 80 | M20x1 | 47 | 150 | 128 | 110 | 22 | 25 | 20 | M6 |

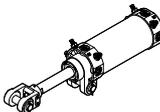
| ∅ [mm] | T1 | TG | VD | VE | W1 | WH | ZJ | ∠1 |
|-----------|----|------|----|----|-----|----|-----|----|
| | | | | | | | | |
| 63 | | | | | | | | |
| 80 | 11 | 32.5 | 17 | 33 | 45° | 46 | 180 | 19 |

Datasheet

Ordering data – With Rc thread

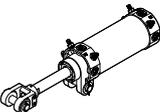
| Piston ø [mm] | Stroke [mm] | Rod clevis gap 16 mm | | Rod clevis gap 19.5 mm | | Rod clevis gap 16.5 mm | | | | |
|--|----------------|-------------------------------------|--------|-------------------------------------|--------|------------------------|--------|-----------------|--------|---------------|
| | | Part no. | Type | Part no. | Type | Part no. | Type | | | |
|  | 50 | Without magnet | | | | | | | | |
| | | 50 | 549543 | DWA-50-50-Y | 549553 | DWB-50-50-Y | 558087 | DWC-50-50-Y | | |
| | | 75 | 549544 | DWA-50-75-Y | 549554 | DWB-50-75-Y | 558088 | DWC-50-75-Y | | |
| | | 100 | 549545 | DWA-50-100-Y | 549555 | DWB-50-100-Y | 558089 | DWC-50-100-Y | | |
| | | 125 | 549546 | DWA-50-125-Y | 549556 | DWB-50-125-Y | 558090 | DWC-50-125-Y | | |
| | | 150 | 549547 | DWA-50-150-Y | 549557 | DWB-50-150-Y | 558091 | DWC-50-150-Y | | |
| | | 10 ... 200 | 555710 | DWA-50-...-Y | 555713 | DWB-50-...-Y | 558137 | DWC-50-...-Y | | |
| | | With magnet and sensor strip | | | | | | | | |
| | | 50 | 549548 | DWA-50-50-Y-A | 549558 | DWB-50-50-Y-A | 558092 | DWC-50-50-Y-A | | |
| | | 75 | 549549 | DWA-50-75-Y-A | 549559 | DWB-50-75-Y-A | 558093 | DWC-50-75-Y-A | | |
| | | 100 | 549550 | DWA-50-100-Y-A | 549560 | DWB-50-100-Y-A | 558094 | DWC-50-100-Y-A | | |
| | | 125 | 549551 | DWA-50-125-Y-A | 549561 | DWB-50-125-Y-A | 558095 | DWC-50-125-Y-A | | |
| | | 150 | 549552 | DWA-50-150-Y-A | 549562 | DWB-50-150-Y-A | 558096 | DWC-50-150-Y-A | | |
| | | 10 ... 200 | 555711 | DWA-50-...-Y-A | 555714 | DWB-50-...-Y-A | 558138 | DWC-50-...-Y-A | | |
| | | With magnet | | | | | | | | |
| | | 50 | 549743 | DWA-50-50-Y-AB | 549707 | DWB-50-50-Y-AB | 558097 | DWC-50-50-Y-AB | | |
| | | 75 | 549744 | DWA-50-75-Y-AB | 549708 | DWB-50-75-Y-AB | 558098 | DWC-50-75-Y-AB | | |
| | | 100 | 549745 | DWA-50-100-Y-AB | 549709 | DWB-50-100-Y-AB | 558099 | DWC-50-100-Y-AB | | |
| | | 125 | 549746 | DWA-50-125-Y-AB | 549710 | DWB-50-125-Y-AB | 558100 | DWC-50-125-Y-AB | | |
| | | 150 | 549706 | DWA-50-150-Y-AB | 549711 | DWB-50-150-Y-AB | 558101 | DWC-50-150-Y-AB | | |
| | | 10 ... 200 | 555712 | DWA-50-...-Y-AB | 555715 | DWB-50-...-Y-AB | 558139 | DWC-50-...-Y-AB | | |
| | | 63 | 63 | Without magnet | | | | | | |
| | | | | 50 | 549563 | DWA-63-50-Y | 549573 | DWB-63-50-Y | 558102 | DWC-63-50-Y |
| | | | | 75 | 549564 | DWA-63-75-Y | 549574 | DWB-63-75-Y | 558103 | DWC-63-75-Y |
| | | | | 100 | 549565 | DWA-63-100-Y | 549575 | DWB-63-100-Y | 558104 | DWC-63-100-Y |
| | | | | 125 | 549566 | DWA-63-125-Y | 549576 | DWB-63-125-Y | 558105 | DWC-63-125-Y |
| | | | | 150 | 549567 | DWA-63-150-Y | 549577 | DWB-63-150-Y | 558106 | DWC-63-150-Y |
| | | | | 10 ... 200 | 555716 | DWA-63-...-Y | 555719 | DWB-63-...-Y | 558140 | DWC-63-...-Y |
| | | | | With magnet and sensor strip | | | | | | |
| | | | | 50 | 549568 | DWA-63-50-Y-A | 549578 | DWB-63-50-Y-A | 558107 | DWC-63-50-Y-A |
| 75 | 549569 | | | DWA-63-75-Y-A | 549579 | DWB-63-75-Y-A | 558108 | DWC-63-75-Y-A | | |
| 100 | 549570 | | | DWA-63-100-Y-A | 549580 | DWB-63-100-Y-A | 558109 | DWC-63-100-Y-A | | |
| 125 | 549571 | | | DWA-63-125-Y-A | 549581 | DWB-63-125-Y-A | 558110 | DWC-63-125-Y-A | | |
| 150 | 549572 | | | DWA-63-150-Y-A | 549582 | DWB-63-150-Y-A | 558111 | DWC-63-150-Y-A | | |
| 10 ... 200 | 555717 | | | DWA-63-...-Y-A | 555720 | DWB-63-...-Y-A | 558141 | DWC-63-...-Y-A | | |
| With magnet | | | | | | | | | | |
| 50 | 549712 | | | DWA-63-50-Y-AB | 549730 | DWB-63-50-Y-AB | 558112 | DWC-63-50-Y-AB | | |
| 75 | 549713 | | | DWA-63-75-Y-AB | 549732 | DWB-63-75-Y-AB | 558113 | DWC-63-75-Y-AB | | |
| 100 | 549714 | | | DWA-63-100-Y-AB | 549733 | DWB-63-100-Y-AB | 558114 | DWC-63-100-Y-AB | | |
| 125 | 549715 | | | DWA-63-125-Y-AB | 549734 | DWB-63-125-Y-AB | 558115 | DWC-63-125-Y-AB | | |
| 150 | 549716 | | | DWA-63-150-Y-AB | 549735 | DWB-63-150-Y-AB | 558116 | DWC-63-150-Y-AB | | |
| 10 ... 200 | 555718 | | | DWA-63-...-Y-AB | 555721 | DWB-63-...-Y-AB | 558142 | DWC-63-...-Y-AB | | |

Datasheet

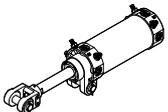
| Ordering data – With Rc thread | | | |
|---|-------------------------------------|----------------------|----------------|
| Piston Ø [mm] | Stroke [mm] | Rod clevis gap 28 mm | |
| | | Part no. | Type |
|  80 | Without magnet | | |
| | 50 | 557904 | DW-80-50-Y |
| | 75 | 557905 | DW-80-75-Y |
| | 100 | 557906 | DW-80-100-Y |
| | 125 | 557907 | DW-80-125-Y |
| | 150 | 557908 | DW-80-150-Y |
| | 10 ... 200 | 557929 | DW-80-...-Y |
| | With magnet and sensor strip | | |
| | 50 | 557909 | DW-80-50-Y-A |
| | 75 | 557910 | DW-80-75-Y-A |
| | 100 | 557911 | DW-80-100-Y-A |
| | 125 | 557912 | DW-80-125-Y-A |
| | 150 | 557913 | DW-80-150-Y-A |
| | 10 ... 200 | 557930 | DW-80-...-Y-A |
| | With magnet | | |
| | 50 | 557914 | DW-80-50-Y-AB |
| | 75 | 557915 | DW-80-75-Y-AB |
| | 100 | 557916 | DW-80-100-Y-AB |
| | 125 | 557917 | DW-80-125-Y-AB |
| | 150 | 557918 | DW-80-150-Y-AB |
| | 10 ... 200 | 557931 | DW-80-...-Y-AB |

Datasheet

Ordering data – With G thread

| Piston ø [mm] | Stroke [mm] | Rod clevis gap 16 mm | | Rod clevis gap 19.5 mm | | Rod clevis gap 16.5 mm | | | | |
|--|----------------|-------------------------------------|--------|-------------------------------------|--------|------------------------|--------|-------------------|--------|-----------------|
| | | Part no. | Type | Part no. | Type | Part no. | Type | | | |
|  | 50 | Without magnet | | | | | | | | |
| | | 50 | 565721 | DWA-50-50-Y-G | 565731 | DWB-50-50-Y-G | 572341 | DWC-50-50-Y-G | | |
| | | 75 | 565722 | DWA-50-75-Y-G | 565732 | DWB-50-75-Y-G | 572342 | DWC-50-75-Y-G | | |
| | | 100 | 565723 | DWA-50-100-Y-G | 565733 | DWB-50-100-Y-G | 572343 | DWC-50-100-Y-G | | |
| | | 125 | 565724 | DWA-50-125-Y-G | 565734 | DWB-50-125-Y-G | 572344 | DWC-50-125-Y-G | | |
| | | 150 | 565725 | DWA-50-150-Y-G | 565735 | DWB-50-150-Y-G | 572345 | DWC-50-150-Y-G | | |
| | | 10 ... 200 | 565781 | DWA-50-...-Y-G | 565784 | DWB-50-...-Y-G | 572371 | DWC-50-...-Y-G | | |
| | | With magnet and sensor strip | | | | | | | | |
| | | 50 | 565726 | DWA-50-50-Y-A-G | 565736 | DWB-50-50-Y-A-G | 572346 | DWC-50-50-Y-A-G | | |
| | | 75 | 565727 | DWA-50-75-Y-A-G | 565737 | DWB-50-75-Y-A-G | 572347 | DWC-50-75-Y-A-G | | |
| | | 100 | 565728 | DWA-50-100-Y-A-G | 565738 | DWB-50-100-Y-A-G | 572348 | DWC-50-100-Y-A-G | | |
| | | 125 | 565729 | DWA-50-125-Y-A-G | 565739 | DWB-50-125-Y-A-G | 572349 | DWC-50-125-Y-A-G | | |
| | | 150 | 565730 | DWA-50-150-Y-A-G | 565740 | DWB-50-150-Y-A-G | 572350 | DWC-50-150-Y-A-G | | |
| | | 10 ... 200 | 565782 | DWA-50-...-Y-A-G | 565785 | DWB-50-...-Y-A-G | 572372 | DWC-50-...-Y-A-G | | |
| | | With magnet | | | | | | | | |
| | | 50 | 565777 | DWA-50-50-Y-AB-G | 565762 | DWB-50-50-Y-AB-G | 572351 | DWC-50-50-Y-AB-G | | |
| | | 75 | 565778 | DWA-50-75-Y-AB-G | 565763 | DWB-50-75-Y-AB-G | 572352 | DWC-50-75-Y-AB-G | | |
| | | 100 | 565779 | DWA-50-100-Y-AB-G | 565764 | DWB-50-100-Y-AB-G | 572353 | DWC-50-100-Y-AB-G | | |
| | | 125 | 565780 | DWA-50-125-Y-AB-G | 565765 | DWB-50-125-Y-AB-G | 572354 | DWC-50-125-Y-AB-G | | |
| | | 150 | 565761 | DWA-50-150-Y-AB-G | 565766 | DWB-50-150-Y-AB-G | 572355 | DWC-50-150-Y-AB-G | | |
| | | 10 ... 200 | 565783 | DWA-50-...-Y-AB-G | 565786 | DWB-50-...-Y-AB-G | 572373 | DWC-50-...-Y-AB-G | | |
| | | 63 | | Without magnet | | | | | | |
| | | | | 50 | 565741 | DWA-63-50-Y-G | 565751 | DWB-63-50-Y-G | 572356 | DWC-63-50-Y-G |
| | | | | 75 | 565742 | DWA-63-75-Y-G | 565752 | DWB-63-75-Y-G | 572357 | DWC-63-75-Y-G |
| | | | | 100 | 565743 | DWA-63-100-Y-G | 565753 | DWB-63-100-Y-G | 572358 | DWC-63-100-Y-G |
| | | | | 125 | 565744 | DWA-63-125-Y-G | 565754 | DWB-63-125-Y-G | 572359 | DWC-63-125-Y-G |
| | | | | 150 | 565745 | DWA-63-150-Y-G | 565755 | DWB-63-150-Y-G | 572360 | DWC-63-150-Y-G |
| | | | | 10 ... 200 | 565787 | DWA-63-...-Y-G | 565790 | DWB-63-...-Y-G | 572374 | DWC-63-...-Y-G |
| | | | | With magnet and sensor strip | | | | | | |
| | | | | 50 | 565746 | DWA-63-50-Y-A-G | 565756 | DWB-63-50-Y-A-G | 572361 | DWC-63-50-Y-A-G |
| 75 | 565747 | | | DWA-63-75-Y-A-G | 565757 | DWB-63-75-Y-A-G | 572362 | DWC-63-75-Y-A-G | | |
| 100 | 565748 | | | DWA-63-100-Y-A-G | 565758 | DWB-63-100-Y-A-G | 572363 | DWC-63-100-Y-A-G | | |
| 125 | 565749 | | | DWA-63-125-Y-A-G | 565759 | DWB-63-125-Y-A-G | 572364 | DWC-63-125-Y-A-G | | |
| 150 | 565750 | | | DWA-63-150-Y-A-G | 565760 | DWB-63-150-Y-A-G | 572365 | DWC-63-150-Y-A-G | | |
| 10 ... 200 | 565788 | | | DWA-63-...-Y-A-G | 565791 | DWB-63-...-Y-A-G | 572375 | DWC-63-...-Y-A-G | | |
| With magnet | | | | | | | | | | |
| 50 | 565767 | | | DWA-63-50-Y-AB-G | 565772 | DWB-63-50-Y-AB-G | 572366 | DWC-63-50-Y-AB-G | | |
| 75 | 565768 | | | DWA-63-75-Y-AB-G | 565773 | DWB-63-75-Y-AB-G | 572367 | DWC-63-75-Y-AB-G | | |
| 100 | 565769 | | | DWA-63-100-Y-AB-G | 565774 | DWB-63-100-Y-AB-G | 572368 | DWC-63-100-Y-AB-G | | |
| 125 | 565770 | | | DWA-63-125-Y-AB-G | 565775 | DWB-63-125-Y-AB-G | 572369 | DWC-63-125-Y-AB-G | | |
| 150 | 565771 | | | DWA-63-150-Y-AB-G | 565776 | DWB-63-150-Y-AB-G | 572370 | DWC-63-150-Y-AB-G | | |
| 10 ... 200 | 565789 | | | DWA-63-...-Y-AB-G | 565792 | DWB-63-...-Y-AB-G | 572376 | DWC-63-...-Y-AB-G | | |

Datasheet

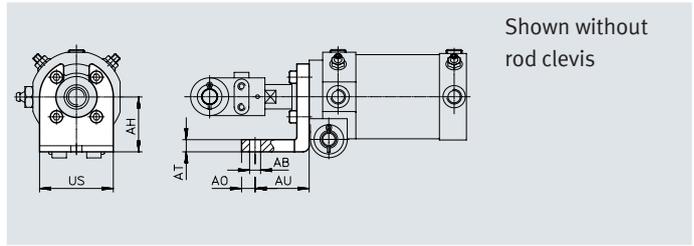
| Ordering data – With G thread | | | |
|---|------------------|-----------------------|--|
|  | Piston ø [mm] | Stroke [mm] | Rod clevis gap 28 mm Part no. Type |
| | 80 | Without magnet | |
| 50 | | 565793 | DW-80-50-Y-G |
| 75 | | 565794 | DW-80-75-Y-G |
| 100 | | 565795 | DW-80-100-Y-G |
| 125 | | 565796 | DW-80-125-Y-G |
| 150 | | 565797 | DW-80-150-Y-G |
| 10 ... 200 | | 565808 | DW-80-...-Y-G |
| With magnet and sensor strip | | | |
| 50 | | 565798 | DW-80-50-Y-A-G |
| 75 | | 565799 | DW-80-75-Y-A-G |
| 100 | | 565800 | DW-80-100-Y-A-G |
| 125 | | 565801 | DW-80-125-Y-A-G |
| 150 | | 565802 | DW-80-150-Y-A-G |
| 10 ... 200 | | 565809 | DW-80-...-Y-A-G |
| With magnet | | | |
| 50 | | 565803 | DW-80-50-Y-AB-G |
| 75 | | 565804 | DW-80-75-Y-AB-G |
| 100 | | 565805 | DW-80-100-Y-AB-G |
| 125 | | 565806 | DW-80-125-Y-AB-G |
| 150 | | 565807 | DW-80-150-Y-AB-G |
| 10 ... 200 | | 565810 | DW-80-...-Y-AB-G |

Accessories

Foot mounting HNH

Materials:
Steel

Scope of delivery:
4 screws

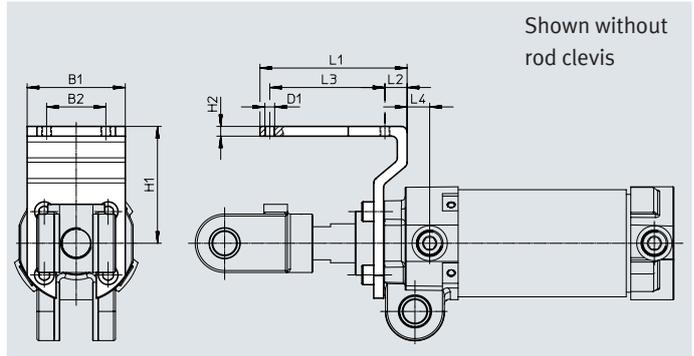


| Dimensions and ordering data | | | | | | | | | | |
|------------------------------|---------------------|----|----|----|----|----|---------------|----------|--------------|--|
| For \varnothing | AB \varnothing | AH | AO | AT | AU | US | Weight [g] | Part no. | Type | |
| 50, 63, 80 | 9 | 45 | 11 | 10 | 44 | 60 | 241 | 549603 | HNH-50/63/80 | |

Mounting bracket TBH

Materials:
Steel

Scope of delivery:
4 screws, short
4 screws, long

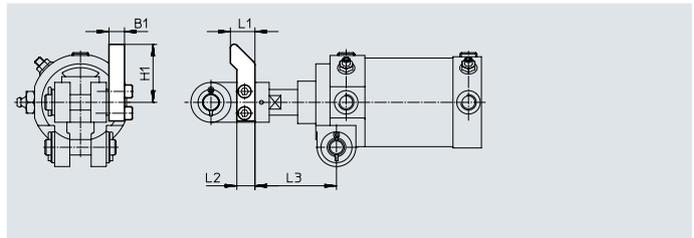


| Dimensions and ordering data | | | | | | | | | | | | |
|------------------------------|----|------|----|----|----|----|------|------|----|---------------|----------|--------------|
| For \varnothing | B1 | B2 | D1 | H1 | H2 | L1 | L2 | L3 | L4 | Weight [g] | Part no. | Type |
| 50, 63, 80 | 50 | 30.2 | M5 | 60 | 5 | 75 | 11.3 | 58.7 | 17 | 282 | 549605 | TBH-50/63/80 |

Switch lever KTH

Materials:
Steel

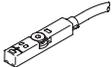
Scope of delivery:
2 screws

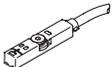


| Dimensions and ordering data | | | | | | | | | | |
|------------------------------|----|------|----|----|------|---------------|----------|--------------|--|--|
| For \varnothing | B1 | H1 | L1 | L2 | L3 | Weight [g] | Part no. | Type | | |
| 50, 63 | 12 | 45.2 | 19 | 14 | 63 | 83 | 549607 | KTH-50/63/80 | | |
| 80 | 12 | 45.2 | 19 | 14 | 68.5 | | | | | |

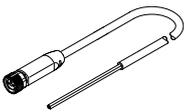
Accessories

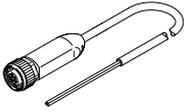
| Ordering data – Mounting kit | | | | | | |
|---|---|--------|------------|---------------|---------------------|--|
| | Scope of delivery | For ø | Weight [g] | Part no. | Type | |
|  | 2 bolts, 2 retaining pins and 4 washers | 50, 63 | 117 | 573323 | DAMD-F5-S-50 | |
| | | 80 | 362 | 573172 | DAMD-F5-S-80 | |

| Ordering data – Proximity switch for T-slot, magneto-resistive | | | | | | Datasheets → Internet: smt |
|---|--|------------------|-----------------------|------------------|---------------|----------------------------------|
| | Type of mounting | Switching output | Electrical connection | Cable length [m] | Part no. | Type |
| N/O | | | | | | |
|  | Inserted in the slot from above, flush with the cylinder profile, short design | PNP | Cable, 3-core | 2.5 | 574335 | SMT-8M-A-PS-24V-E-2.5-OE |
| | | | Plug M8x1, 3-pin | 0.3 | 574334 | SMT-8M-A-PS-24V-E-0.3-M8D |
| | | | Plug M12x1, 3-pin | 0.3 | 574337 | SMT-8M-A-PS-24V-E-0.3-M12 |
| | | NPN | Cable, 3-core | 2.5 | 574338 | SMT-8M-A-NS-24V-E-2.5-OE |
| | | | Plug M8x1, 3-pin | 0.3 | 574339 | SMT-8M-A-NS-24V-E-0.3-M8D |

| Ordering data – Proximity switch for T-slot, magneto-resistive | | | | | | Datasheets → Internet: sdbt |
|---|--|------------------|-----------------------|------------------|---------------|---------------------------------|
| | Type of mounting | Switching output | Electrical connection | Cable length [m] | Part no. | Type |
| N/C | | | | | | |
|  | Inserted in the slot from above, flush with the cylinder profile, short design | PNP | Cable, 3-core | 7.5 | 574340 | SMT-8M-A-PO-24V-E-7.5-OE |

| Ordering data – Proximity switch for T-slot, magneto-resistive | | | | | | Datasheets → Internet: sdbt |
|---|---------------------------------|------------------|-----------------------|------------------|----------------|-----------------------------------|
| | Type of mounting | Switching output | Electrical connection | Cable length [m] | Part no. | Type |
| N/O | | | | | | |
|  | Inserted in the slot from above | PNP | Cable, 3-core | 5 | 2427616 | SDBT-BSW-1L-PU-W-5-N-LE |
| | | | Plug M12x1, 3-pin | 0.3 | 2427655 | SDBT-BSW-1L-PU-W-0.3-N-M12 |
| | | NPN | Cable, 3-core | 5 | 2427618 | SDBT-BSW-1L-NU-W-5-N-LE |
| | | | Plug M12x1, 3-pin | 0.3 | 2427615 | SDBT-BSW-1L-NU-W-0.3-N-M12 |
| | | Contactless | Cable, 2-core | 5 | 2427617 | SDBT-BSW-1L-ZU-W-5-N-LE |

| Connecting cables NEBA, straight, M8 connection | | | | | | |
|---|--|--|---|--------------|----------------|------------------------------|
| | Electrical connection 1, connection technology | Electrical connection 2, connection technology | Electrical connection 2, number of pins/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, connection technology | Electrical connection 2, connection technology | Electrical connection 2, number of pins/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 |

Accessories

| Connecting cables NEBA, angled, M8 connection | | | | | | |
|--|--|--|---|--------------|----------------|------------------------------|
| | Electrical connection 1, connection technology | Electrical connection 2, connection technology | Electrical connection 2, number of pins/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, connection technology | Electrical connection 2, connection technology | Electrical connection 2, number of pins/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 |

| Ordering data – Mounting kit | | | | Datasheets → Internet: smbr | |
|---|--|---------------|------------------------|-----------------------------|--|
| | | Part no. | Type | | |
|  | For mounting the proximity switch SMT-8M or SDBT-BSW on the cylinder | 538937 | SMBR-8-8/100-S6 | | |

| Ordering data – Mounting kit | | | | Datasheets → Internet: smbz | |
|--|---|---------------|----------------------|-----------------------------|--|
| | | Part no. | Type | | |
|  | For mounting the proximity switches SMT-8M or SDBT-BSW on the sensor rail | 537806 | SMBZ-8-32/100 | | |