

RM/92000/M, Short stroke cylinder

Magnetic piston, double acting



- > Ø 12 ... 100 mm
- > One third the basic length of a corresponding ISO/VDMA model
- > Low friction, long life seal design
- > Fully non-corrodible specification
- > Standard magnetic piston for full control system versatility



Technical features

Medium:

Compressed air, filtered, lubricated or non-lubricated

Operation:

Double acting, magnetic piston, non-cushioned

Operating pressure:

1 ... 10 bar (14 ... 145 psi)

Cylinder diameters:

12, 16, 20, 25, 32, 40, 50, 63, 80, 100 mm

Standard Strokes:

See table below

Non-standard strokes:

200 mm Ø 16 ... 25 mm
250 mm Ø 32 & 40 mm
300 mm Ø 50 ... 100 mm

Operating temperature:

-5 ... +80°C max. (+23 ... +176°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:

Barrel & end caps: Anodised aluminium alloy
Piston rod: stainless steel (Ø 12 ... 40 mm austenitic, Ø 50 ... 100 mm martensitic)
Seals: PUR and/or NBR

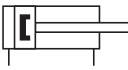
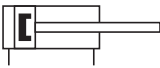



Technical data

| Cylinder Ø (mm) | 12 | 16 | 20 | 25 | 32 | 40 | 50 | 63 | 80 | 100 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Port size | M 5 | M 5 | M 5 | M 5 | G 1/8 | G 1/8 | G 1/8 | G 1/4 | G 1/4 | G 1/4 |
| Piston rod Ø (mm) | 6 | 8 | 10 | 12 | 16 | 16 | 20 | 20 | 25 | 25 |
| Piston rod thread | M 3 | M 4 | M 5 | M 6 | M 8 | M 8 | M 10 | M 12 | M 16 | M 16 |
| Theoretical thrusts at 6 bar outstroke (N) | 68 | 121 | 188 | 295 | 483 | 754 | 1178 | 1870 | 3016 | 4712 |
| Theoretical thrusts at 6 bar instroke (N) | 51 | 90 | 141 | 227 | 362 | 633 | 990 | 1682 | 2721 | 4418 |
| Air consumption at 6 bar outstroke (l/cm) | 0,008 | 0,014 | 0,022 | 0,035 | 0,056 | 0,088 | 0,138 | 0,218 | 0,352 | 0,55 |
| Air consumption at 6 bar instroke (l/cm) | 0,007 | 0,011 | 0,017 | 0,027 | 0,042 | 0,074 | 0,116 | 0,196 | 0,318 | 0,515 |

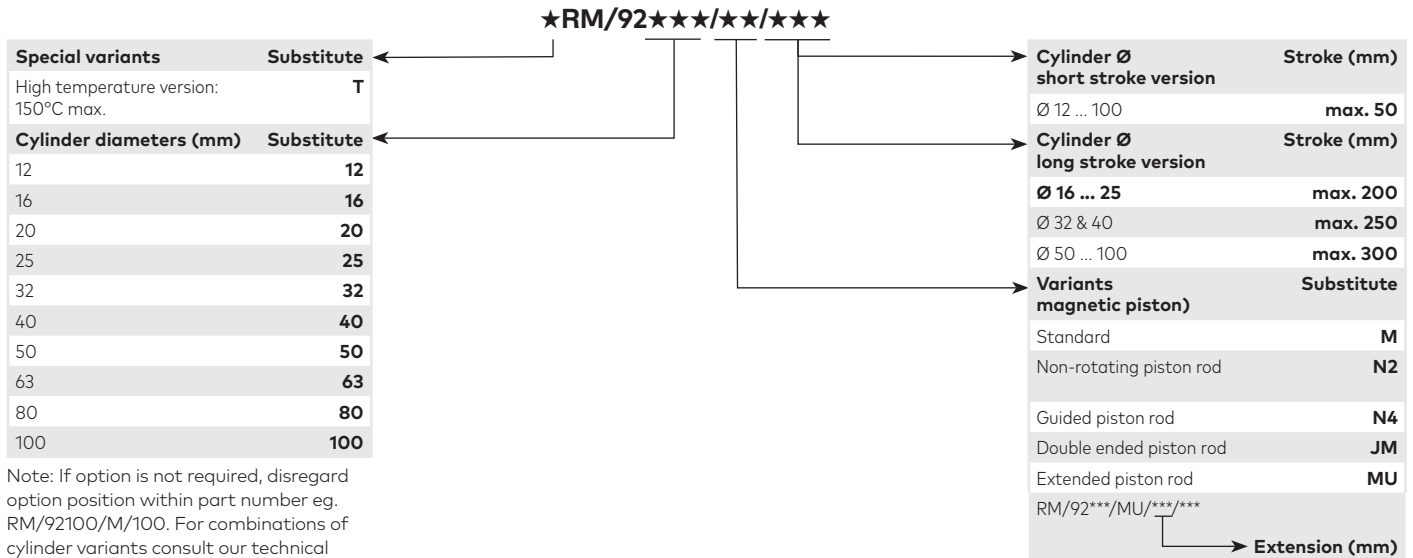
Standard strokes

| Cylinder Ø (mm) | Stroke length (mm) | | | | | | | | | | |
|-----------------|--------------------|----|----|----|----|----|----|----|----|----|-----|
| | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 80 | 100 |
| 12 | • | • | • | • | • | • | – | – | – | – | – |
| 16 | • | • | • | • | • | • | – | – | – | – | – |
| 20 | • | • | • | • | • | • | • | • | – | – | – |
| 25 | • | • | • | • | • | • | • | • | – | – | – |
| 32 | • | • | • | • | • | • | • | • | • | • | – |
| 40 | • | • | • | • | • | • | • | • | • | • | – |
| 50 | • | • | • | • | • | • | • | • | • | • | • |
| 63 | • | • | • | • | • | • | • | • | • | • | • |
| 80 | – | – | • | • | • | • | • | • | • | • | • |
| 100 | – | – | • | • | • | • | • | • | • | • | • |

Cylinder variants

| Symbol | Model with magnetic piston | Description | Dimensions Page |
|--|----------------------------|---|-----------------|
|  | RM/92000/M TRM/92000/M | Standard cylinder Cylinder with heat resistant seals, 150°C max. (Ø 32 ... 100 mm only) | 4 |
|  | RM/92000/MU | Cylinder with extended piston rod (maximum extended piston up to 100 mm) | 4 |
|  | RM/92000/JM | Cylinder with double ended piston rod Non-standard strokes available (minimal): 5 mm = Ø 16 ... 40 mm, 10 mm = Ø 50 & 100 mm | 6 |
|  | RM/92000/N2 | Cylinder with non-rotating piston rod (internal) Ø 16 ... 100 mm only | 6 |
|  | RM/92000/N4 | Cylinder with guiding, Ø 16 ... 100 mm only Non-standard strokes available (maximum): 50 mm = Ø 16 mm, 80 mm = Ø 20 & 25 mm 100 mm = Ø 32 ... 100 mm | 6 |

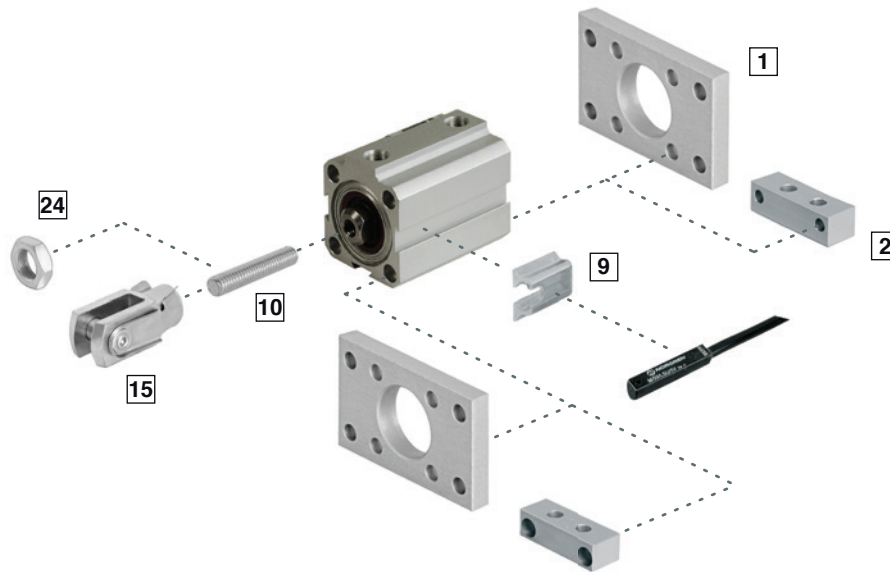
Option selector





Note: If option is not required, disregard option position within part number eg. RM/92100/M/100. For combinations of cylinder variants consult our technical service.

Please note that heat resistant seals are not available for all variants. This options selector explains only the cylinder variants. Additional variants/ options can not be derived from.



Mountings

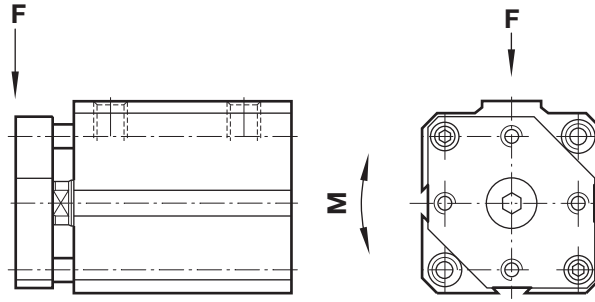
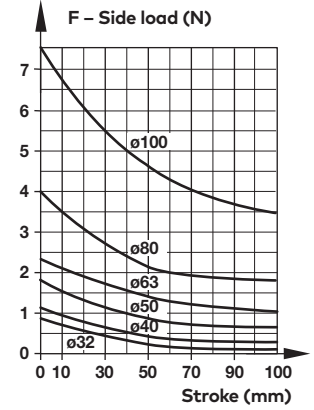
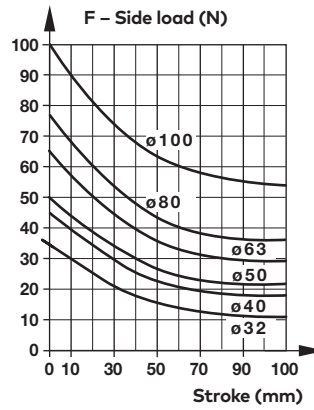
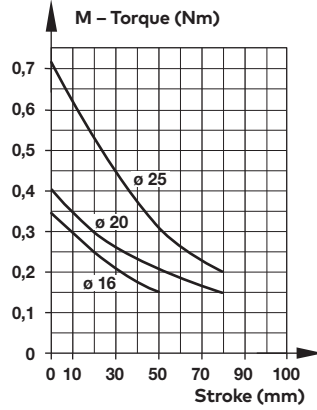
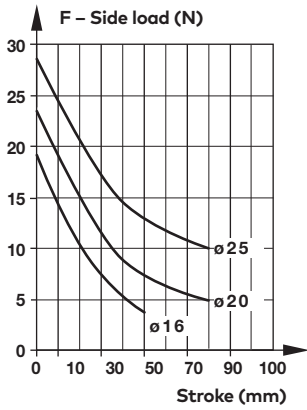


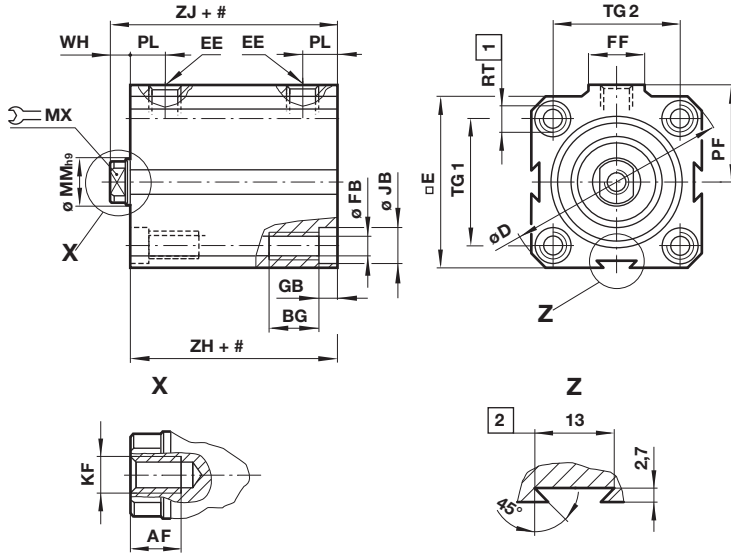
| Model | B, G | C | F | N | Stud | Adaptor | Assembly kit |
|-------|--|--|--|--|--|--|--|
| |  |  |  |  |  |  |  |
| Ø | 1 Page 6 | 2 Page 6 | 15 Page 6 | 24 Page 6 | 10 Page 6 | 10 & 24 Page 6 | 9 Page 7 |
| 12 | QM/90012/22 | QM/90012/21 | QM/57008/25 | M/P1500/111 | M/P1710/18 | – | QM/92012/55 |
| 16 | QM/90016/22 | QM/90016/21 | QM/8010/25 | M/P1501/80 | M/P1710/19 | – | QM/92016/55 |
| 20 | QM/90020/22 | QM/90020/21 | QM/92020/25 | M/P1501/109 | M/P1710/20 | – | QM/92020/55 |
| 25 | QM/90025/22 | QM/90025/21 | QM/57016/25 | M/P1501/79 | M/P1710/21 | – | QM/92025/55 |
| 32 | QM/90032/22 | QM/90032/21 | QM/57020/25 | M/P1501/60 | M/P1710/22 | – | QM/92032/55 |
| 40 | QM/90040/22 | QM/90040/21 | QM/57020/25 | M/P1501/60 | M/P1710/22 | – | QM/92040/55 |
| 50 | QM/90050/22 | QM/90050/21 | QM/57025/25 | – | – | M/P71470/1 | QM/92050/55 |
| 63 | QM/90063/22 | QM/90063/21 | QM/57040/25 | – | – | M/P71470/2 | QM/92063/55 |
| 80 | QM/90080/22 | QM/90080/21 | QM/57063/25 | – | – | M/P71470/3 | QM/92080/55 |
| 100 | QM/90100/22 | QM/90100/21 | QM/57063/25 | – | – | M/P71470/3 | QM/92100/55 |

* For attaching F mounting to female piston rod thread.

Accessories

| Model | Magnetically operated switches | Switch mounting bracket |
|-------|---|---|
| |  |  |
| Ø | 9 Page 8 & 9 | 9 |
| All | | M/P72487 |

RM/92000/N4 – Cylinder with guide piston rod
Permissible load and torque

Permissible load and torque

Dimensions
RM/92000/M – Standard cylinder

 Dimensions in mm
 Projection/First angle


Stroke

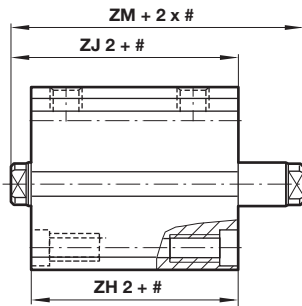
- 1 Only the 4 front holes are tapped on stroke lengths of less than:
 Ø 25 and 32 mm: 5 mm,
 Ø 40 and 63 mm: 15 mm (.../N2: 5 mm),
 Ø 50 and 80 mm: 10 mm, Ø 100 mm: 25 mm (.../N2: 15 mm).
- 2 Note: Ø 12 to 20 mm feature only two side dovetails.

| Ø | AF | BG | Ø D | □ E | EE | Ø FB | FF | GB | Ø JB | KF | Ø MM h9 | MX | PF | PL | RT | TG 1 2 | WH | ZH *1) | ZJ *1) | at 0 mm | per 5 mm | Model | |
|-----|----|----|-------|-------|------|------|----|------|------|-----|------------|----|------|------|-----|-----------|------|-----------|-----------|------------|-------------|---------|--------------|
| 12 | 6 | 9 | 32,5 | 25 | M5 | 3,3 | 10 | 3,5 | 6 | M3 | 6 | 5 | 15 | 7 | M4 | 17 | 13 | 4,5 | 24 | 28,5 | 0,06 kg | 0,04 kg | RM/92012/M/* |
| 16 | 7 | 9 | 36,5 | 28 | M5 | 3,3 | 10 | 3,5 | 6 | M4 | 8 | 6 | 17 | 7,5 | M4 | 20 | 20 | 5,5 | 24,5 | 30 | 0,08 kg | 0,04 kg | RM/92016/M/* |
| 20 | 8 | 9 | 41,5 | 32 | M5 | 3,3 | 10 | 3,5 | 6 | M5 | 10 | 8 | 19,5 | 7,5 | M4 | 23 | 23 | 6 | 26 | 32 | 0,10 kg | 0,06 kg | RM/92020/M/* |
| 25 | 9 | 12 | 48 | 37 | M5 | 4,2 | 10 | 4,5 | 7,5 | M6 | 12 | 10 | 22 | 8 | M5 | 27 | 27 | 6,5 | 28,5 | 35 | 0,15 kg | 0,07 kg | RM/92025/M/* |
| 32 | 12 | 12 | 58 | 45 | G1/8 | 4,2 | 18 | 4,5 | 7,5 | M8 | 16 | 13 | 27,5 | 9 | M5 | 33 | 33 | 6,5 | 29 | 35,5 | 0,25 kg | 0,12 kg | RM/92032/M/* |
| 40 | 12 | 16 | 71,5 | 55 | G1/8 | 6,8 | 18 | 6,5 | 10,5 | M8 | 16 | 13 | 31,5 | 10 | M8 | 41 | 41 | 6,5 | 31,5 | 38 | 0,38 kg | 0,15 kg | RM/92040/M/* |
| 50 | 14 | 16 | 81 | 63 | G1/8 | 6,8 | 18 | 6,5 | 10,5 | M10 | 20 | 17 | 37 | 10,5 | M8 | 48 | 48 | 8 | 35 | 43 | 0,45 kg | 0,18 kg | RM/92050/M/* |
| 63 | 16 | 20 | 104 | 80 | G1/4 | 8,5 | 22 | 8,5 | 13,5 | M12 | 20 | 17 | 48 | 13 | M10 | 61 | 61 | 8 | 42,5 | 50,5 | 0,82 kg | 0,26 kg | RM/92063/M/* |
| 80 | 22 | 20 | 120 | 94 | G1/4 | 8,5 | 22 | 8,5 | 13,5 | M16 | 25 | 22 | 57 | 14,5 | M10 | 73 | 73 | 9 | 47 | 56 | 1,20 kg | 0,33 kg | RM/92080/M/* |
| 100 | 22 | 25 | 148,5 | 116,5 | G1/4 | 10,2 | 22 | 10,5 | 16,5 | M16 | 25 | 22 | 67 | 16 | M12 | 90,5 | 90,5 | 10 | 48,5 | 58,5 | 1,83 kg | 0,42 kg | RM/92100/M/* |

* Please insert standard stroke length.

*1) Plus s10 mm for stroke length > 50 mm

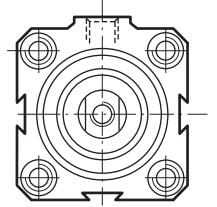
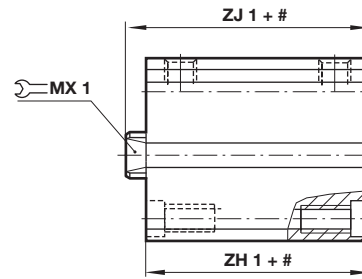
Alternative variants
RM/92000/JM – Cylinder
 with double ended piston rod



Stroke

RM/92000/N2 – Cylinder
 with non-rotating piston rod

Dimensions in mm
 Projection/First angle



Stroke

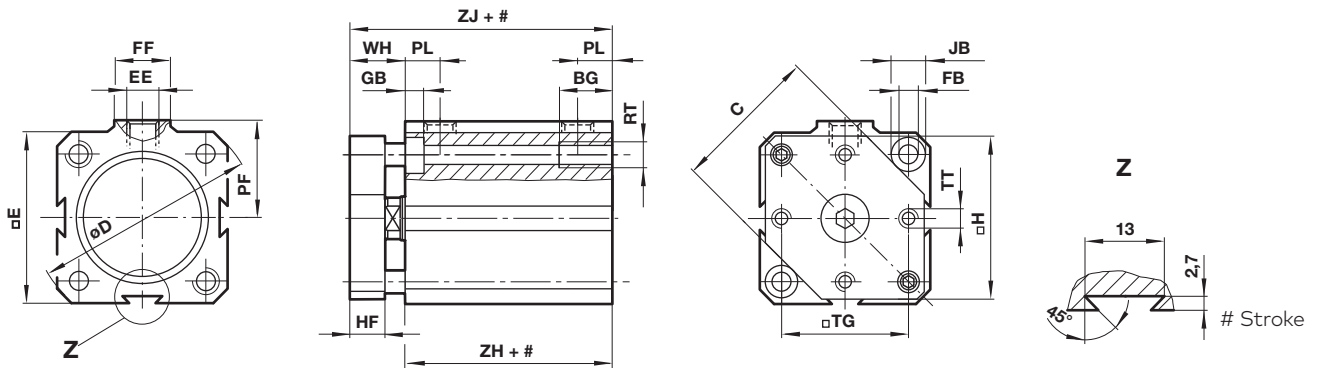
| Ø | ZH2 | ZJ2 | ZM | Model |
|-----|------|------|----|---------------|
| 16 | 29,5 | 35 | 41 | RM/92016/JM/* |
| 20 | 31,5 | 37,5 | 44 | RM/92020/JM/* |
| 25 | 34,5 | 41 | 48 | RM/92025/JM/* |
| 32 | 36,5 | 43 | 50 | RM/92032/JM/* |
| 40 | 39,5 | 46 | 53 | RM/92040/JM/* |
| 50 | 42 | 50 | 59 | RM/92050/JM/* |
| 63 | 52 | 60 | 69 | RM/92063/JM/* |
| 80 | 56 | 65 | 74 | RM/92080/JM/* |
| 100 | 58 | 68 | 78 | RM/92100/JM/* |

* Please insert standard stroke length.

| Ø | MX1 | ZH1 | ZJ1 | Torque max. | Model |
|-----|-----|------|------|-------------|---------------|
| 16 | 6 | 34,5 | 40 | 0,15 Nm | RM/92016/N2/* |
| 20 | 8 | 36 | 42 | 0,25 Nm | RM/92020/N2/* |
| 25 | 10 | 38 | 45 | 0,4 Nm | RM/92025/N2/* |
| 32 | 13 | 39 | 45,5 | 0,75 Nm | RM/92032/N2/* |
| 40 | 13 | 41,5 | 48 | 0,75 Nm | RM/92040/N2/* |
| 50 | 16 | 45 | 53 | 1,5 Nm | RM/92050/N2/* |
| 63 | 16 | 52,5 | 60,5 | 1,5 Nm | RM/92063/N2/* |
| 80 | 21 | 57 | 66 | 2,5 Nm | RM/92080/N2/* |
| 100 | 21 | 58,5 | 68,5 | 2,5 Nm | RM/92100/N2/* |

* Please insert standard stroke length.

RM/92000/N4 – Cylinder with guide piston rod

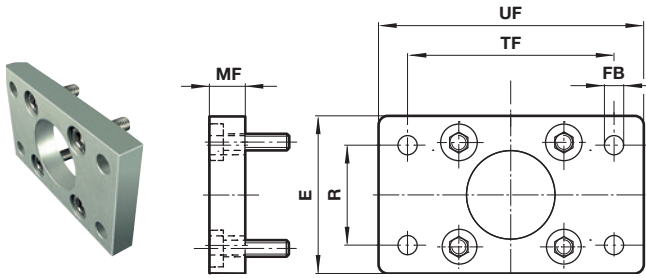


| Ø | BG | C | ØD | ØE | EE | ØFB | FF | GB | ØH | HF | ØJB | PF | PL | RT | ØTG | TT | WH | ZH *1) | ZJ *1) | at 0 mm | per 5 mm | Model |
|-----|----|------|-------|-------|------|------|----|------|------|----|------|------|------|-----|------|-----|------|--------|--------|----------|----------|---------------|
| 16 | 9 | 21 | 36,5 | 28 | M5 | 3,3 | 10 | 3,5 | 26,5 | 6 | 6 | 17 | 7,5 | M4 | 20 | M3 | 11,5 | 24,5 | 36 | 0,110 kg | 0,050 kg | RM/92016/N4/* |
| 20 | 9 | 25 | 41,5 | 32 | M5 | 3,3 | 10 | 3,5 | 30 | 8 | 6 | 19,5 | 7,5 | M4 | 23 | M3 | 14 | 26 | 40 | 0,130 kg | 0,070 kg | RM/92020/N4/* |
| 25 | 12 | 29,5 | 48 | 37 | M5 | 4,2 | 10 | 4,5 | 35 | 8 | 7,5 | 22 | 8 | M5 | 27 | M4 | 14,5 | 28,5 | 43 | 0,170 kg | 0,100 kg | RM/92025/N4/* |
| 32 | 12 | 38 | 58 | 45 | G1/8 | 4,2 | 18 | 4,5 | 43 | 10 | 7,5 | 27,5 | 9 | M5 | 33 | M4 | 16,5 | 29 | 45,5 | 0,280 kg | 0,130 kg | RM/92032/N4/* |
| 40 | 16 | 46,5 | 71,5 | 55 | G1/8 | 6,8 | 18 | 6,5 | 52 | 10 | 10,5 | 31,5 | 10 | M8 | 41 | M5 | 16,5 | 31,5 | 48 | 0,440 kg | 0,150 kg | RM/92040/N4/* |
| 50 | 16 | 56,5 | 81 | 63 | G1/8 | 6,8 | 18 | 6,5 | 60 | 12 | 10,5 | 37 | 10,5 | M8 | 48 | M6 | 20 | 35 | 55 | 0,500 kg | 0,200 kg | RM/92050/N4/* |
| 63 | 20 | 71 | 104 | 80 | G1/4 | 8,5 | 22 | 8,5 | 76 | 12 | 13,5 | 48 | 13 | M10 | 61 | M8 | 20 | 42,5 | 62,5 | 0,900 kg | 0,300 kg | RM/92063/N4/* |
| 80 | 20 | 89 | 120 | 94 | G1/4 | 8,5 | 22 | 8,5 | 90 | 16 | 13,5 | 57 | 14,5 | M10 | 73 | M10 | 25 | 47 | 72 | 1,350 kg | 0,350 kg | RM/92080/N4/* |
| 100 | 25 | 110 | 148,5 | 116,5 | G1/4 | 10,2 | 22 | 10,5 | 113 | 20 | 16,5 | 67 | 16 | M12 | 90,5 | M13 | 30 | 48,5 | 78,5 | 2,200 kg | 0,600 kg | RM/92100/N4/* |

* Please insert standard stroke length.

*1) Plus 10 mm for stroke length > 50 mm

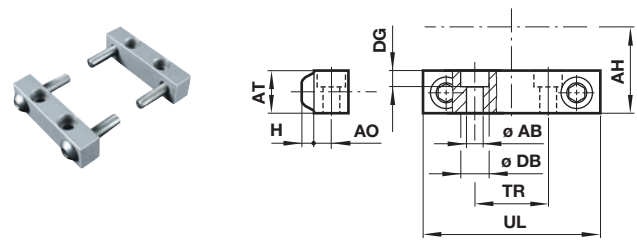
Mountings Front or rear flange B, G



| Ø | E | R | Ø FB | MF | TF | UF | kg | Model (B,G) |
|-----|-----|----|------|------|-----|-----|------|-------------|
| 12 | 26 | 18 | 3,5 | 5 | 38 | 46 | 0,02 | QM/90012/22 |
| 16 | 30 | 22 | 3,5 | 5 | 42 | 50 | 0,02 | QM/90016/22 |
| 20 | 33 | 25 | 3,5 | 5 | 48 | 56 | 0,02 | QM/90020/22 |
| 25 | 38 | 28 | 4,5 | 6,5 | 54 | 64 | 0,04 | QM/90025/22 |
| 32 | 46 | 36 | 4,5 | 6,5 | 66 | 76 | 0,06 | QM/90032/22 |
| 40 | 57 | 43 | 6,5 | 9,5 | 78 | 92 | 0,15 | QM/90040/22 |
| 50 | 64 | 50 | 6,5 | 9,5 | 90 | 104 | 0,17 | QM/90050/22 |
| 63 | 81 | 63 | 9,5 | 12,5 | 110 | 128 | 0,33 | QM/90063/22 |
| 80 | 95 | 77 | 8,5 | 12,5 | 128 | 146 | 0,41 | QM/90080/22 |
| 100 | 118 | 98 | 11 | 12,5 | 156 | 176 | 0,72 | QM/90100/22 |

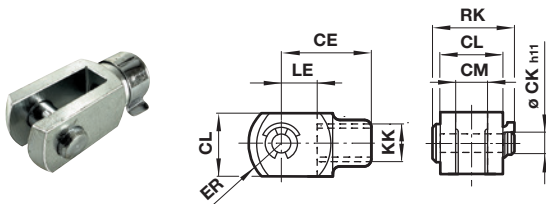
Foot C, ISO 6432

Dimensions in mm
Projection/First angle



| Ø | Ø AB | AH | AO | AT | H | Ø DB | DG | TR | UL | kg | Model (C) |
|-----|------|------|-----|------|-----|------|------|----|-----|------|-------------|
| 12 | 3,4 | 13,5 | 4 | 9,5 | 2 | 6 | 3,5 | 25 | 33 | 0,02 | QM/90012/21 |
| 16 | 3,4 | 15 | 4 | 9,5 | 2 | 6 | 3,5 | 32 | 40 | 0,02 | QM/90016/21 |
| 20 | 3,4 | 16,5 | 4 | 9,5 | 2 | 6 | 3,5 | 35 | 43 | 0,02 | QM/90020/21 |
| 25 | 4,3 | 20 | 5 | 12,5 | 3 | 7,5 | 4,5 | 41 | 51 | 0,04 | QM/90025/21 |
| 32 | 4,3 | 23 | 5 | 12,5 | 3 | 7,5 | 4,5 | 19 | 46 | 0,04 | QM/90032/21 |
| 40 | 6,4 | 28,5 | 6,5 | 16 | 4,5 | 10,5 | 6,5 | 21 | 56 | 0,1 | QM/90040/21 |
| 50 | 6,4 | 32 | 6,5 | 16 | 4,5 | 10,5 | 6,5 | 27 | 64 | 0,11 | QM/90050/21 |
| 63 | 8,4 | 41,5 | 8 | 22 | 5,5 | 13,5 | 8,5 | 34 | 81 | 0,13 | QM/90063/21 |
| 80 | 8,4 | 49 | 8 | 25,5 | 5,5 | 13,5 | 8,5 | 44 | 95 | 0,18 | QM/90080/21 |
| 100 | 10,5 | 59,5 | 9 | 28,5 | 6,5 | 16,5 | 10,5 | 56 | 118 | 0,48 | QM/90100/21 |

Piston rod clevis – F



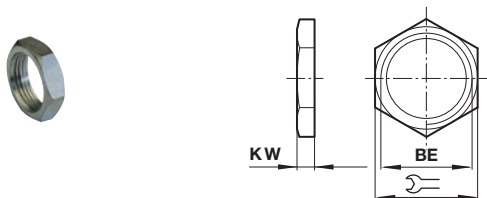
| Ø | KK | CE | Ø CK h11 | CL | CM | ER | LE | RK | kg | Model |
|----------|----------|----|-------------|----|----|------|----|------|------|-------------|
| 12 | M3 | 11 | 3h9 | 6 | 3 | 4,5 | 5 | 10 | 0,01 | QM/57008/25 |
| 16 | M4 | 16 | 4 | 8 | 4 | 6,5 | 8 | 11,5 | 0,01 | QM/8010/25 |
| 20 | M5 | 20 | 5 | 10 | 5 | 8 | 10 | 14,5 | 0,01 | QM/92020/25 |
| 25 | M6 | 20 | 5 | 10 | 5 | 8 | 10 | 14,5 | 0,01 | QM/57016/25 |
| 32 & 40 | M8 | 24 | 6 | 12 | 6 | 9,5 | 12 | 17,5 | 0,02 | QM/57020/25 |
| 50 | M10x1,25 | 26 | 8 | 14 | 7 | 11,5 | 12 | 20,5 | 0,04 | QM/57025/25 |
| 63 | M12x1,25 | 40 | 10 | 20 | 11 | 16 | 20 | 29 | 0,09 | QM/57040/25 |
| 80 & 100 | M16x1,5 | 56 | 14 | 27 | 14 | 21 | 28 | 36,5 | 0,22 | QM/57063/25 |

Stud



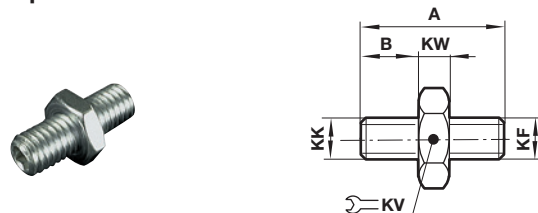
| Ø | A | KF | kg | Model |
|---------|----|----|------|------------|
| 12 | 12 | M3 | 0,01 | M/P1710/18 |
| 16 | 16 | M4 | 0,01 | M/P1710/19 |
| 20 | 20 | M5 | 0,01 | M/P1710/20 |
| 25 | 25 | M6 | 0,01 | M/P1710/21 |
| 32 & 40 | 25 | M8 | 0,01 | M/P1710/22 |

Nose nut N



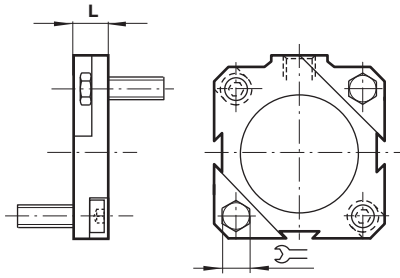
| Ø | BE | KW | ⌘ | kg | Model |
|---------|----|-----|----|------|-------------|
| 12 | M3 | 2 | 6 | 0,01 | M/P1500/111 |
| 16 | M4 | 2 | 7 | 0,01 | M/P1501/80 |
| 20 | M5 | 2,5 | 8 | 0,01 | M/P1501/109 |
| 25 | M6 | 3 | 10 | 0,01 | M/P1501/79 |
| 32 & 40 | M8 | 4 | 13 | 0,01 | M/P1501/60 |

Adaptor



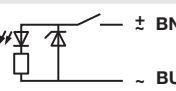
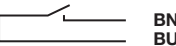
| Ø | A | B | KF | KK | ⌘ KV | KW | kg | Model |
|----------|----|----|-----|----------|------|----|------|------------|
| 50 | 29 | 12 | M10 | M10x1,25 | 12 | 5 | 0,02 | M/P71470/1 |
| 63 | 35 | 15 | M12 | M12x1,25 | 13 | 5 | 0,04 | M/P71470/2 |
| 80 & 100 | 45 | 20 | M16 | M16x1,5 | 17 | 5 | 0,08 | M/P71470/3 |

Assembly kit

 Dimensions in mm
 Projection/First angle


| Ø | L |  | Type |
|-----|----|---|-------------|
| 12 | 10 | 7 | QM/92012/55 |
| 16 | 10 | 7 | QM/92016/55 |
| 20 | 10 | 7 | QM/92020/55 |
| 25 | 10 | 8 | QM/92025/55 |
| 32 | 10 | 8 | QM/92032/55 |
| 40 | 15 | 13 | QM/92040/55 |
| 50 | 15 | 13 | QM/92050/55 |
| 63 | 20 | 17 | QM/92063/55 |
| 80 | 20 | 17 | QM/92080/55 |
| 100 | 25 | 19 | QM/92100/55 |

Technical data - Reed switches - additional informations see data sheet N/en 4.3.005

| Symbol | Voltage (V a.c.) (V d.c.) | Current maximum (mA) | Function | Operating temperature (°C) | LED | Protection class | Plug | Cable length (m) | Cable type | Weight (g) | Model |
|--|------------------------------|----------------------------|------------|----------------------------------|-----|---------------------|--------|------------------------|------------------|---------------|-----------------|
|  | 10 ... 240 10 ... 170 | 180 | Closer | -25 ... +80 | • | IP66 | — | 2, 5 or 10 | PVC 2 x 0,25 | 37 | M/50/LSU/*V |
| | 10 ... 240 10 ... 170 | 180 | Closer | -25 ... +80 | • | IP66 | — | 5 | PUR 2 x 0,25 | 37 | M/50/LSU/5U |
|  | 10 ... 240 10 ... 170 | 180 | Closer | -25 ... +150 | — | IP66 | — | 2 | Silicon 2 x 0,25 | 37 | TM/50/RAU/2S |
|  | 10 ... 240 10 ... 170 | 180 | Changeover | -25 ... +80 | — | IP66 | — | 5 | PVC 3 x 0,25 | 37 | M/50/RAC/5V |
|  | 10 ... 60 10 ... 60 | 180 | Closer | -25 ... +80 | • | IP66 | M8 x 1 | 0,3 | PVC 3 x 0,25 | 16 | M/50/LSU/CP *1) |

* Insert cable length; *1) Plug-in connector see page 11; Color code: BK = black, BN = brown, BU = blue

Drawings

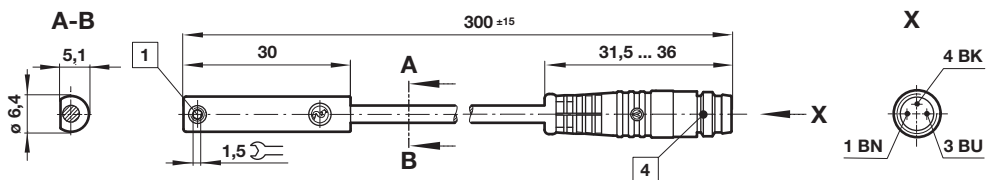
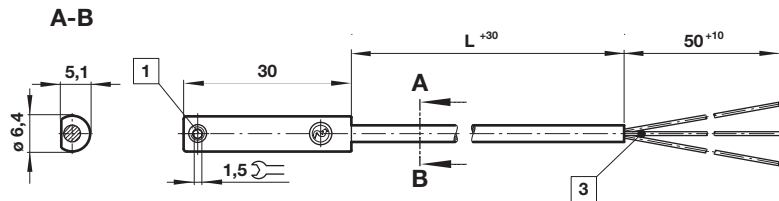
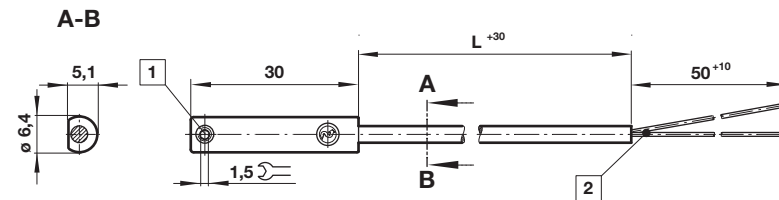
M/50/LSU/*V, M/50/LSU/5U,
TM/50/RAU/2S
Cable length L = 2, 5 or 10 m



M/50/RAC/5V
Cable length L = 5 m



M/50/LSU/CP



- 1 Fixing screw
- 2 + BN = brown; - BU = blue (output)
- 3 - BK = black; + BN = brown; - #BU = blue
- 4 Plug M8 x 1, color code: BK = black; BN = brown; BU = blue

Dimensions in mm
Projection/First angle


Accessories
Switch mounting bracket


M/P72487

Plug-in connector cable with nut


| Outer cover | Cable length (m) | Weight (kg) | Connector | Connector |
|--------------|------------------|-------------|-----------|------------|
| PVC 3 x 0,25 | 5 m | 0,18 | M8 x 1 | M/P73001/5 |
| PUR 3 x 0,25 | 5 m | 0,18 | M8 x 1 | M/P73002/5 |
| PUR 3 x 0,34 | 5 m | 0,21 | M12 x 1 | M/P34594/5 |

Technical data - Solid state - additional informations see data sheet N/en 4.3.007

| Symbol | Voltage (V d.c.) | Current maximum (mA) | Function | Operating temperature (°C) | LED | Protection class | Plug | Cable length (m) | Cable type | Weight (g) | Model |
|--------|------------------|----------------------|----------|----------------------------|-----|------------------|---------|------------------|--------------|------------|-----------------|
| | 10 ... 30 | 150 | PNP | -40 ... +80 | • | IP67 | — | 2,5 or 10 | PVC 3 x 0,12 | 37 | M/50/EAP/*V |
| | 10 ... 30 | 150 | PNP | -40 ... +80 | • | IP68 | — | 5 | PUR 3 x 0,14 | 37 | M/50/EAP/5U |
| | 10 ... 30 | 150 | PNP | -40 ... +80 | • | IP67 | M8 x 1 | 0,3 | PVC 3 x 0,14 | 16 | M/50/EAP/CP *1) |
| | 10 ... 30 | 150 | PNP | -40 ... +80 | • | IP67 | M12 x 1 | 0,3 | PVC 3 x 0,14 | 16 | M/50/EAP/CC *1) |
| | 10 ... 30 | 150 | NPN | -40 ... +80 | • | IP67 | — | 2,5 or 10 | PVC 3 x 0,12 | 37 | M/50/EAN/*V |
| | 10 ... 30 | 150 | Closer | -40 ... +80 | • | IP67 | M8 x 1 | 0,3 | PVC 3 x 0,14 | 16 | M/50/EAN/CP *1) |

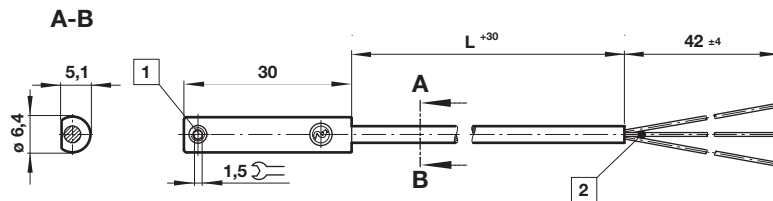
* Insert cable length; *1) Plug-in connector below; Color code: BK = black, BN = brown, BU = blue

Drawings

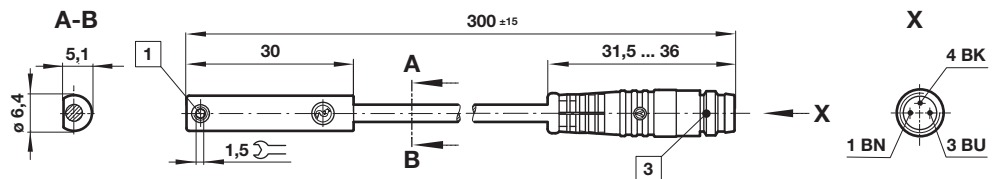
Dimensions in mm
Projection/First angle



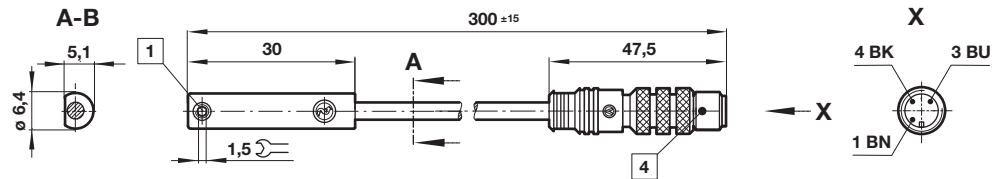
M/50/EAP/*V,
M/50/EAN/*V
Cable length L = 2, 5 or 10 m



M/50/EAP/CP,
M/50/EAN/CP



M/50/EAP/CC



- 1 Fixing screw
- 2 Color code: BK = black; BN = brown; BU = blue
- 3 Plug M8 x 1
- 4 Plug M12 x 1

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under »**Technical features/data**«.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI Precision Engineering.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.