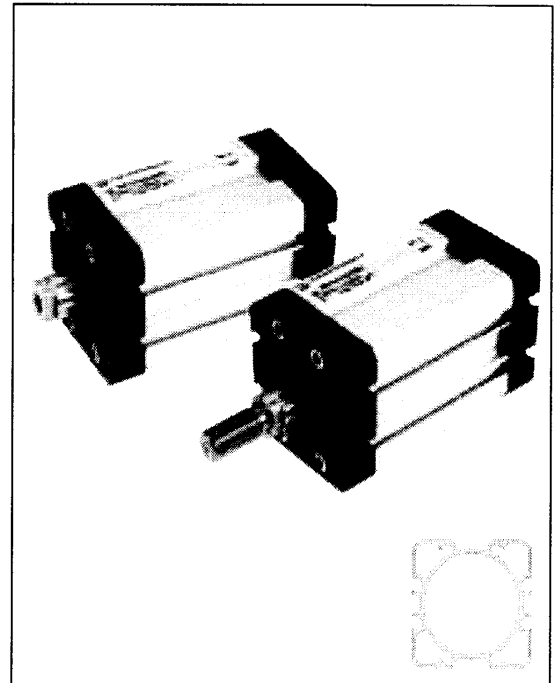


VDMA Compact Cylinders
VDMA 24562
Magnetic Piston
Single Acting
Ø 20 to 63 mm

- The mountings of VDMA 24562 can be used
- M/50 – Switches can be mounted flush with the profile
- Magnetic piston as standard
- VDMA pitch as standard (Ø 32 to 63 mm)
- Seals ensure low friction operation and long life



Technical Data

Medium:

Compressed air, filtered, lubricated or non-lubricated

Standard:

VDMA 24562 (Pitch and mountings) Ø 32 to 63 mm
 UNITOP (Pitch) Ø 20 and 25 mm

Operation:

RM/191000/M	Single acting, sprung in, magnetic piston, male piston rod thread, buffer cushioning
RM/191000/MX	Single acting, sprung in, magnetic piston, female piston rod thread, buffer cushioning
RM/193000/M	Single acting, sprung out, magnetic piston, male piston rod thread, buffer cushioning
RM/193000/MX	Single acting, sprung out, magnetic piston, female piston rod thread, buffer cushioning

Operating Pressure:

2 to 10 bar

Operating Temperature:

-5°C* to +80°C max.

* Consult our Technical Service for use below +2°C

Cylinder Diameters:

20, 25, 32, 40, 50, 63 mm

Strokes:

Standard: 5, 10, 25 mm

Non-standard strokes available (50 mm max.)

Materials:

Profile barrel: Anodised aluminium

End covers: Anodised aluminium

Piston rod: Stainless steel (Ø 20 and 25 mm Austenitic, Ø 32 to 63 mm Martensitic)

Piston rod seals: Polyurethane

Piston seals: Nitrile rubber

'O'-rings: Nitrile rubber

Ordering Examples

See page N/UK 1.4.087.03

Mountings and Switches

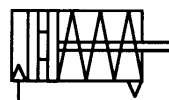
See page N/UK 1.4.087.02 and .03

Alternative Models

Double acting cylinders

See page

N/UK 1.5.095



Sprung in



Sprung out





Standard Strokes

Cylinder Ø	Strokes (mm)		
	5	10	25
20	●	●	
25	●	●	
32		●	●
40		●	●
50		●	●
63		●	●

Non standard strokes available (50 mm)

Mountings

	Style 'A'	Style 'B', 'G'	Style 'C'	Style 'D'	Style 'D2'	Style 'FH'	Style 'L2'
							
	Page 06	Page 06	Page 06	Page 07	Page 08	Page 10	Page 09
Cylinder Ø							
20	–	QM/192020/22	QM/192020/21	–	–	–	QM/8020/44
25	–	QM/192025/22	QM/192025/21	–	–	–	QM/8020/44
32	QM/8032/35	QA/8032/22	QA/8032/21	QA/8032/23	QA/8032/42	QA/8032/34	–
40	QM/8032/35	QA/8040/22	QA/8040/21	QA/8040/23	QA/8040/42	QA/8040/34	–
50	QM/8050/35	QA/8050/22	QA/8050/21	QA/8050/23	QA/8050/42	QA/8050/34	–
63	QM/8050/35	QA/8063/22	QA/8063/21	QA/8063/23	QA/8063/42	QA/8063/34	–
	Style 'R'	Style 'S'	Style 'SS'	Style 'SW'	Style 'UH'	Style 'UR'	Style 'US'
							
	Page 09	Page 10	Page 11	Page 07	Page 10	Page 09	Page 08
Cylinder Ø							
20	QM/192020/27	–	–	–	–	–	–
25	QM/192025/27	–	–	–	–	–	–
32	QA/8032/27	QA/8032/41	M/P19931	M/P19493	PQA/182032/40	QA/8032/33	M/P40310
40	QA/8040/27	QA/8040/41	M/P19932	M/P19494	PQA/182040/40	QA/8040/33	M/P40311
50	QA/8050/27	QA/8040/41	M/P19933	M/P19495	PQA/182050/40	QA/8050/33	M/P40312
63	QA/8063/27	QA/8063/41	M/P19934	M/P19496	PQA/182063/40	QA/8063/33	M/P40313

For cylinders with male piston rod thread

	Style 'AK'	Style 'F'	Style 'N2'	Style 'UF'	Style 'F'	Style 'N2'	Stud or Adaptor
							
	Page 13	Page 11	Page 13	Page 13	Page 12	Page 12	Page 12
Cylinder Ø							
20	QM/8025/38	QM/8025/25	M/P1501/89	QM/8025/32	QM/57016/25	M/P1501/79	M/P1701/21#
25	QM/8025/38	QM/8025/25	M/P1501/89	QM/8025/32	QM/57016/25	M/P1501/79	M/P1701/21#
32	QM/8025/38	QM/8025/25	M/P1501/89	QM/8025/32	QM/57020/25	M/P1501/60	M/P1701/22#
40	QM/8040/38	QM/8040/25	M/P1501/90	QM/8040/32	QM/57020/25	M/P1501/60	M/P1701/22#
50	QM/8050/38	QM/8050/25	M/P1501/91	QM/8050/32	QM/57025/25	–	M/P1470/1##
63	QM/8050/38	QM/8050/25	M/P1501/91	QM/8050/32	QM/57040/25	–	M/P1470/2##

Stud, ## Adaptor

Ordering Examples

Cylinders

To order a standard 50 mm bore magnetic piston cylinder with a 25 mm stroke quote: **RM/191050/M/25**

Mountings

To order a front flange mounting style 'G' for 50 mm bore cylinder quote: **QA/8050/22**

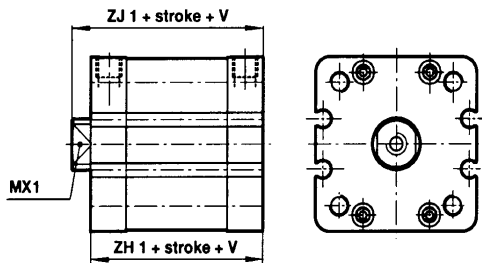
Switches

To order a reed switch with LED and 2 m cable length quote: **M/50/LSU/2V**

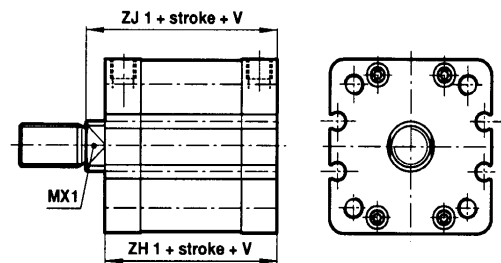


Cylinder Variants

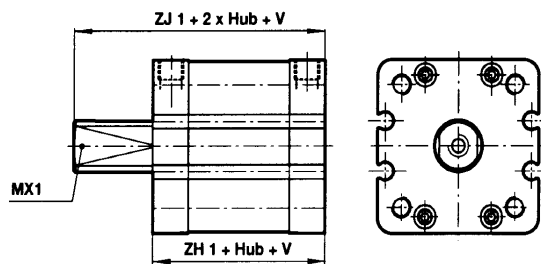
**RM/191000/N2X — Cylinder with
Non-rotating piston rod**
Sprung in with female piston rod thread



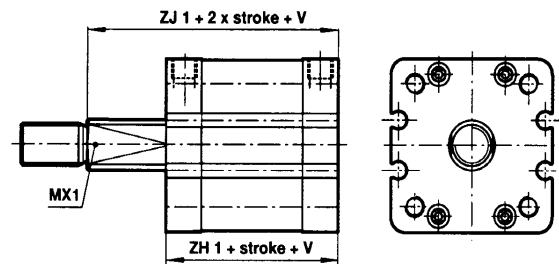
**RM/191000/N2 — Cylinder with
Non-rotating piston rod**
Sprung in with male piston rod thread



**RM/193000/N2X — Cylinder with
Non-rotating piston rod**
Sprung out with female piston rod thread



**RM/193000/N2 — Cylinder with
Non-rotating piston rod**
Sprung out with male piston rod thread



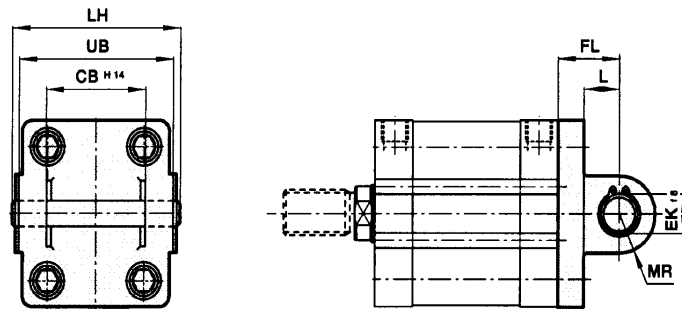
Cylinder Ø	MX1	V		ZH1	ZJ1
		0 to 25 mm	26 to 50 mm		
20	8	17	34	47	53
25	8	18	36	49	55
32	10	19	38	54	61
40	13	20	40	55	62
50	16	30	60	55	63
63	16	30	60	60	68

Torque for Cylinders RM/19.000/N2

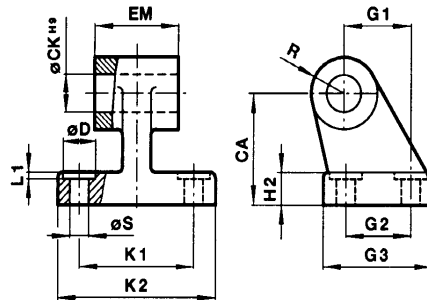
Cylinder Ø	Model	Torque max. (Nm)
20	RM/19.020/N2	0,15
25	RM/19.025/N2	0,25
32	RM/19.032/N2	0,40
40	RM/19.040/N2	0,75
50	RM/19.050/N2	1,5
63	RM/19.063/N2	1,5



QA/8000/23 — Rear Clevis Mounting Style 'D' (Corresponds to DIN ISO 6431 and VDMA 24562 Part 2, Style MP2)



M/P194 . . — Bracket Style 'SW' (Corresponds to VDMA 24562, Part 2) For Clevis Mounting Style 'D'

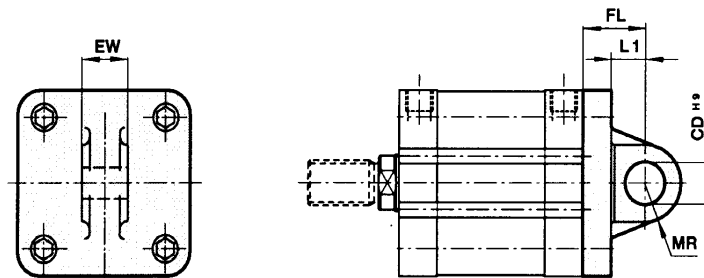


Cylinder Ø	CA	CB H14	Ø CK H9	Ø D	Ø EK H8	EM	FL	G 1	G 2	G 3	H 2
32	32	26	10	11	10	26	22	21	18	31	8
40	36	28	12	11	12	28	25	24	22	35	10
50	45	32	12	15	12	32	27	33	30	45	12
63	50	40	16	15	16	40	32	37	35	50	12

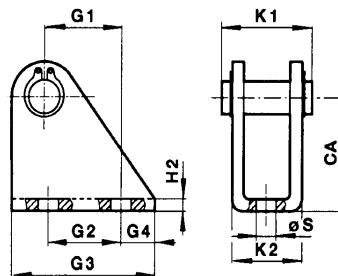
Cylinder Ø	K 1	K 2	L	L 1	LH	MR	R	Ø S	UB	Style 'D'	Style 'SW'
32	38	51	13	1,6	52	9	10	6,6	45	0,11 kg	0,05 kg
40	41	54	16	1,6	60	12	11	6,6	52	0,16 kg	0,07 kg
50	50	65	17	1,6	68	12	13	9	60	0,22 kg	0,14 kg
63	52	67	22	1,6	79	15	15	9	70	0,34 kg	0,18 kg



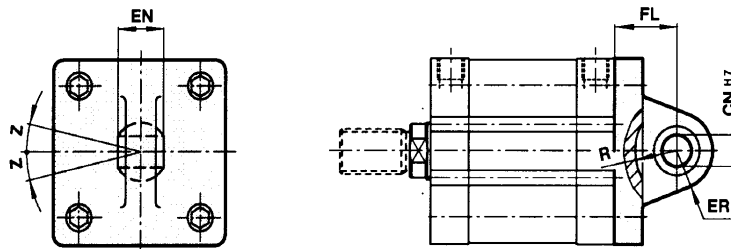
QA/8000/27 — Rear Eye Mounting Style 'R'
(Corresponds to DIN ISO 6431 and VDMA 24562 Part 2, Style MP4)



QM/8020/44 — Bracket Hinge Style 'L2'
For Rear Eye Mounting Style 'R'



QA/8000/33 — Universal Rear Eye Mounting Style 'UR'
(Corresponds to VDMA 24562 Part 2)



Cylinder Ø	CA	Ø CD H9	Ø CN H7	EN	ER	EW	FL	G 1	G 2	G 3	G 4
20	30	8	—	—	—	15,8	20	16	20	32	6
25	30	8	—	—	—	15,8	20	16	20	32	6
32	—	10	10	14	16	25,8	22	—	—	—	—
40	—	12	12	16	19	27,8	25	—	—	—	—
50	—	12	16	21	21	31,7	27	—	—	—	—
63	—	16	16	21	24	39,7	32	—	—	—	—

Cylinder Ø	H2	K 1	K 2	L 1	MR	R	Ø S	Z	Style 'L2'	Style 'R'	Style 'UR'
20	4	29,5	24	14	8	—	6,6	—	0,08	0,02	—
25	4	29,5	24	14	8	—	6,6	—	0,08	0,03	—
32	—	—	—	13	9	14,5	—	13°	—	0,09	0,17
40	—	—	—	16	12	18	—	13°	—	0,11	0,25
50	—	—	—	17	12	19	—	13°	—	0,17	0,4
63	—	—	—	22	15	24	—	15°	—	0,24	0,55

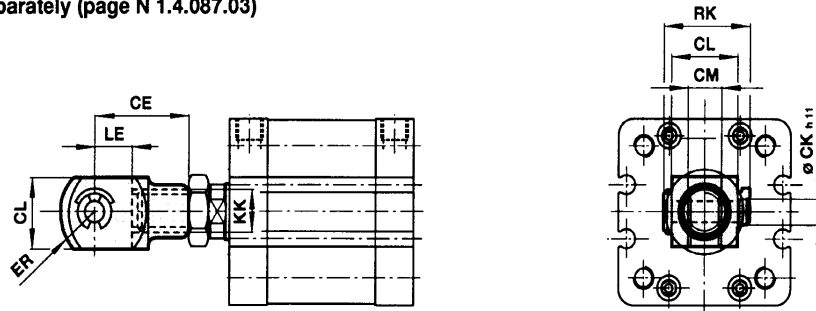


QM/8000/25 — Piston Rod Clevis Mounting Style 'F'

(Corresponds to DIN ISO 8140)

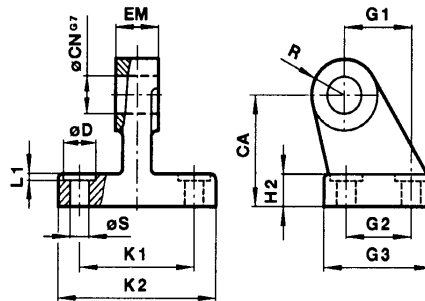
For cylinders with male piston rod thread

Order nut style 'N2' separately (page N 1.4.087.03)



M/P199 . . — Bracket Style 'SS'

For model QM/8000/25 – Piston Rod Clevis Mounting Style 'F'



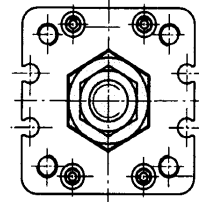
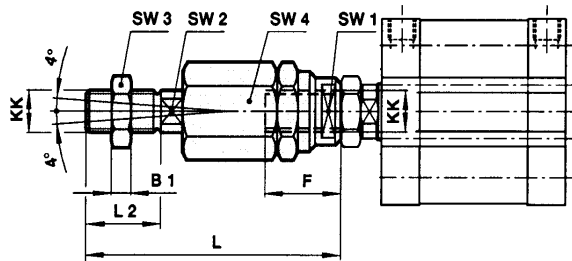
Cylinder Ø	CA	CE	Ø CK h11	CL	CM	Ø CN g7	Ø D	EM	ER	G 1	G 2	G 3
20	–	40	10	20	10	–	–	–	16	–	–	–
25	–	40	10	20	10	–	–	–	16	–	–	–
32	32	40	10	20	10	10	11	10	16	21	18	31
40	36	48	12	24	12	12	11	12	19	24	22	35
50	45	64	16	32	16	16	15	16	25	33	30	45
63	50	64	16	32	16	16	15	16	25	37	35	50
Cylinder Ø	H 2	KK	K 1	K 2	L1	LE	R	RK	Ø S	Style 'F'	Style 'SS'	
20	–	M10x1,25	–	–	–	20	–	28	–	0,09 kg	–	
25	–	M10x1,25	–	–	–	20	–	28	–	0,09 kg	–	
32	8	M10x1,25	38	51	1,6	20	10	28	6,6	0,09 kg	0,15 kg	
40	10	M12x1,25	41	54	1,6	24	11	32	6,6	0,13 kg	0,20 kg	
50	12	M16x1,5	50	65	1,6	32	13	41,5	9	0,33 kg	0,48 kg	
63	12	M16x1,5	52	67	1,6	32	15	41,5	9	0,33 kg	0,50 kg	



QM/8000/38 — Piston Rod Swivel Mounting Style 'AK'

For cylinders with male piston rod thread

Order nut style 'N2' separately (page N 1.4.087.03)

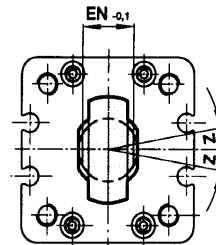
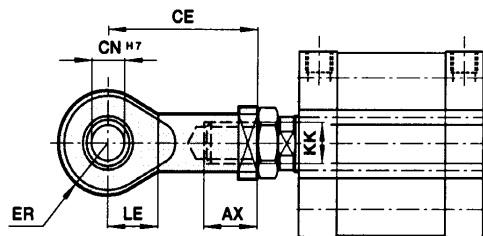


QM/8000/32 — Universal Piston Rod Eye Mounting Style 'UF'

(Corresponds to DIN ISO 8139)

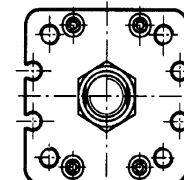
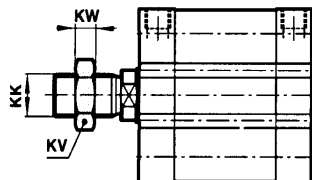
For cylinders with male piston rod thread

Order nut style 'N2' separately (page N/UK 1.4.087.03)



M/P1501/ . . — Nut Style 'N2'

For cylinders with male piston rod thread



Cylinder Ø	AX	B1	CE	Ø CN H7	EN -0,1	ER	F	KK	KV (A/F)	KW	L
20	20	5	43	10	14	14	26	M 10 x 1,25	17	5	73
25	20	5	43	10	14	14	26	M 10 x 1,25	17	5	73
32	20	5	43	10	14	14	26	M 10 x 1,25	17	5	73
40	22	6	50	12	16	16	26	M 12 x 1,25	19	6	77
50	28	8	64	16	21	21	34	M 16 x 1,5	24	8	106
63	28	8	64	16	21	21	34	M 16 x 1,5	24	8	106

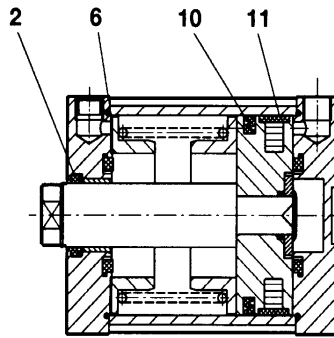
Cylinder Ø	L 2	LE	SW 1 (A/F)	SW 2 (A/F)	SW 3 (A/F)	SW 4 (A/F)	Z	Style 'AK'	Style 'N2'	Style 'UF'	
20	20	15	19	12	17	30	13°	0,20 kg	0,01 kg	0,09 kg	
25	20	15	19	12	17	30	13°	0,20 kg	0,01 kg	0,09 kg	
32	20	15	19	12	17	30	13°	0,20 kg	0,01 kg	0,09 kg	
40	24	17	19	12	19	30	13°	0,20 kg	0,01 kg	0,13 kg	
50	32	22	30	19	24	42	15°	0,65 kg	0,01 kg	0,33 kg	
63	32	22	30	19	24	42	15°	0,65 kg	0,01 kg	0,33 kg	



RM/191000/M, RM/193000/M

Spares

Sprung in

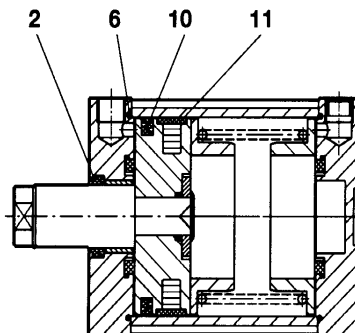


Cylinder Ø	Model	Spares kit	Comprising Item	Description	Quantity
20	RM/191020/M, RM/191020/MX	QM/192020/00	2	Piston rod seal	1
25	RM/191025/M, RM/191025/MX	QM/192025/00	6	'O'-ring	2
32	RM/191032/M, RM/191032/MX	QM/192032/00	10	Piston seal	1
40	RM/191040/M, RM/191040/MX	QM/192040/00	11	Wear ring (Ø 63 mm)	1
50	RM/191050/M, RM/191050/MX	QM/192050/00			
63	RM/191063/M, RM/191063/MX	QM/192063/00			

Note: Please quote the cylinder type number when ordering spares kits

Spares

Sprung out



Cylinder Ø	Model	Spares kit	Comprising Item	Description	Quantity
20	RM/193020/M, RM/193020/MX	QM/192020/00	2	Piston rod seal	1
25	RM/193025/M, RM/193025/MX	QM/192025/00	6	'O'-ring	2
32	RM/193032/M, RM/193032/MX	QM/192032/00	10	Piston seal	1
40	RM/193040/M, RM/193040/MX	QM/192040/00	11	Wear ring (Ø 63 mm)	1
50	RM/193050/M, RM/193050/MX	QM/192050/00			
63	RM/193063/M, RM/193063/MX	QM/192063/00			

Note: Please quote the cylinder type number when ordering spares kits

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 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 NORGREN.

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.

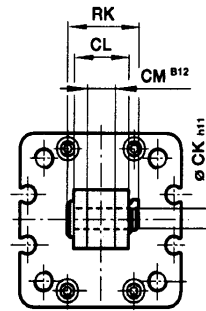
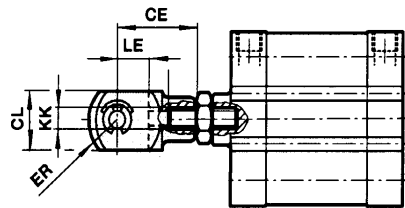


RM/191000/M, RM/193000/M

QM/57000/25 — Piston Rod Clevis Mounting Style 'F'

For cylinders with female piston rod thread only

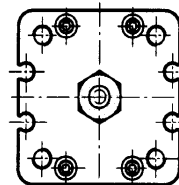
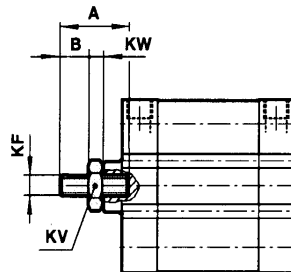
Order stud and nut style 'N2' or adaptor separately (page N/UK 1.4.087.03)



M/1 . . . — Stud and Nut (ø 20 to 40 mm)

M/1470/ . . — Adaptor (ø 50 and 63 mm)

For cylinders with female piston rod thread



Cylinder Ø	A	B	CE	Ø CK h11	CL	CM B12	ER	KF
20	20	—	20	5	10	5	8	M5
25	25	—	20	5	10	5	8	M6
32	25	—	24	6	12	6	9,5	M8
40	25	—	24	6	12	6	9,5	M8
50	29	12	26	8	14	7	11,5	M10
63	35	15	40	10	20	10	16	M12

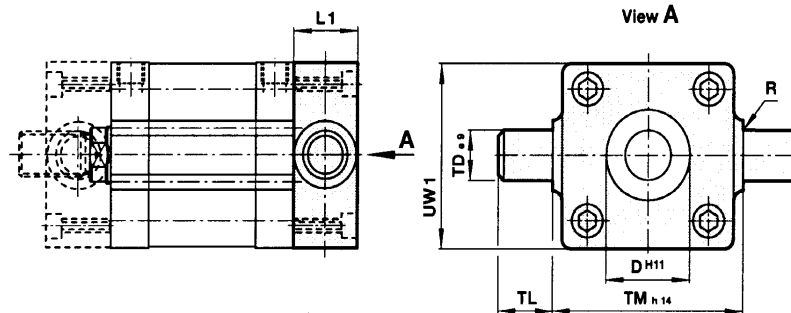
Cylinder Ø	KK	KV	KW	LE	RK	Style 'F'	Nut	Adaptor
20	M5	8	2,5	10	14,5	0,01 kg	0,01 kg	0,01 kg
25	M6	10	3	10	14,5	0,01 kg	0,01 kg	0,01 kg
32	M8	13	4	12	17,5	0,02 kg	0,01 kg	0,01 kg
40	M8	13	4	12	17,5	0,02 kg	0,01 kg	0,01 kg
50	M10x1,25	12	5	12	20,5	0,04 kg	—	0,02 kg
63	M12x1,25	13	5	20	29	0,09 kg	—	0,04 kg



RM/191000/M, RM/193000/M

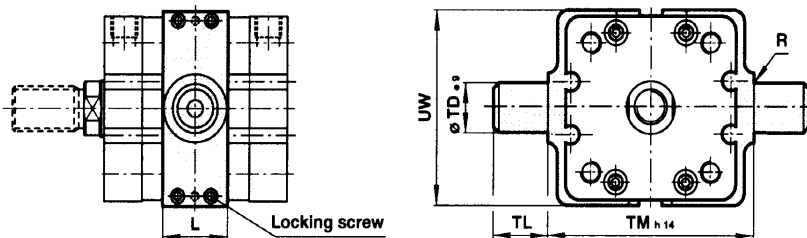
QA/8000/34 — Front or Rear Detachable Trunnion Mounting Style 'FH'

(Corresponds to VDMA 24562 Part 2, Style MT 5/6)



PQA/182000/40 — Adjustable Trunnion Mounting Style 'UH'

(Corresponds to DIN ISO 6431 and VDMA 24562 Part 2, Style MT4)

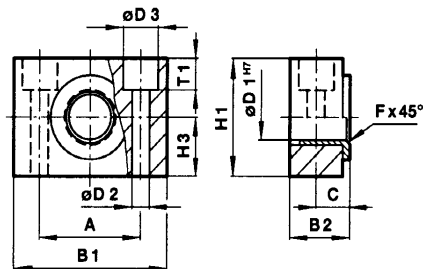


Note:

Style 'UH': It is most important that the locking screws which secure the mounting to the cylinder barrel are tightened to the torque figures shown in the table below. For maximum energy input, consult our Technical Service.

QA/8000/41 — Swivel Bearing Style 'S'

For Trunnion Mountings Style 'FH', 'UH'



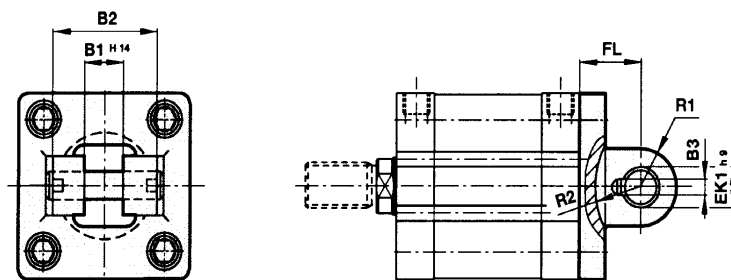
Cylinder Ø	A	B 1	B 2	C	Ø D H11	Ø D 1 H7	Ø D 2	Ø D 3	F x 45°	H 1	H 3	L
32	32	46	18	10,5	30	12	6,6	11	1	30	15	25
40	36	55	21	12	35	16	9	15	1,6	36	18	28
50	36	55	21	12	40	16	9	15	1,6	36	18	28
63	42	65	23	13	45	20	11	18	1,6	40	20	36

Cylinder Ø	L1	R	Ø TD e9	TL	TM h14	T 1	UW	UW 1	Torque Nm	Style 'FH'	Style 'S'	Style 'UH'
32	16	1	12	12	50	6,8	65	50	3-4	0,20 kg	0,11 kg	0,16 kg
40	20	1,6	16	16	63	9	74	55	3-4	0,38 kg	0,16 kg	0,35 kg
50	24	1,6	16	16	75	9	87	65	7-8	0,60 kg	0,16 kg	0,65 kg
63	24	1,6	20	20	90	11	99	75	7-8	1,10 kg	0,23 kg	0,85 kg

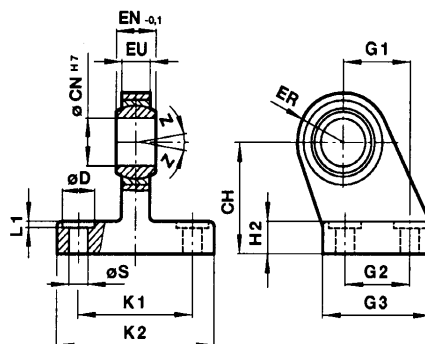


RM/191000/M, RM/193000/M

QA/8000/42 — Rear Clevis Mounting Style 'D2' (Corresponds to VDMA 24562 Part 2)



M/P403 . . — Bracket Hinge Style 'US' (Corresponds to VDMA 24562 Part 2) For Clevis Mounting Style 'D2'

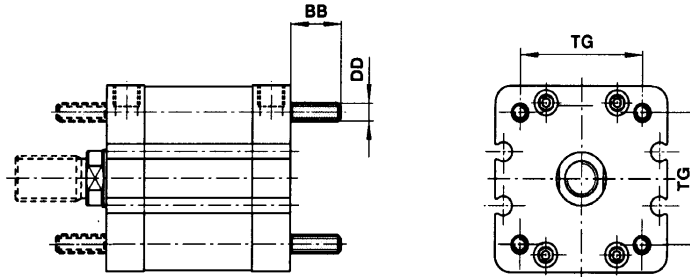


Cylinder Ø	B1 H14	B2	B3	CH	Ø CN H7	Ø D	Ø EK h9	EN -0,1	ER	EU	FL	G 1
32	14	34	3,3	32	10	11	10	14	16	10,5	22	21
40	16	40	4,3	36	12	11	12	16	19	12	25	24
50	21	45	4,3	45	16	15	16	21	21	15	27	33
63	21	51	4,3	50	16	15	16	21	24	15	32	37
Cylinder Ø	G 2	G 3	H 2	K1	K 2	L1	R1	R2	Ø S	Z	Style 'D2'	Style 'US'
32	18	31	8	38	51	1,6	11	17	6,6	13°	0,20 kg	0,19 kg
40	22	35	10	41	54	1,6	12	20	6,6	13°	0,23 kg	0,24 kg
50	30	45	12	50	65	1,6	14,5	22	9	13°	0,36 kg	0,46 kg
63	35	50	12	52	67	1,6	18	25	9	15°	0,55 kg	0,59 kg



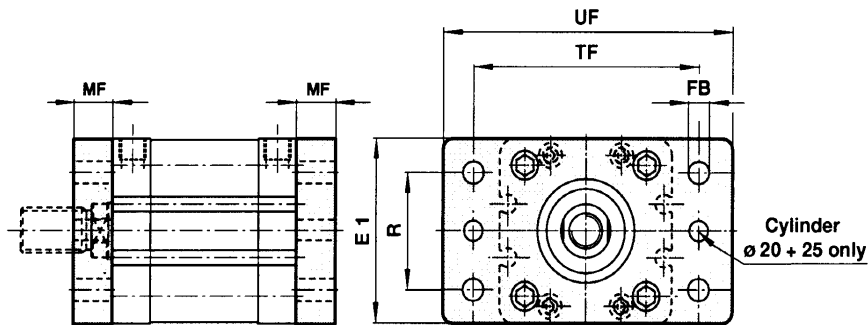
Mountings

QM/8000/35 — Rear or Rear Stud Mounting Style 'A' (Corresponds to DIN ISO 6431 Style MX1)

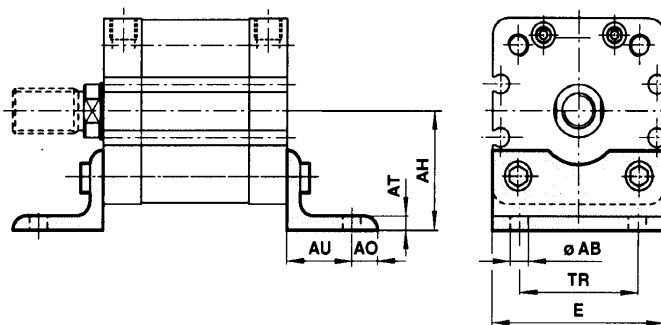


QA/8000/22 — Rear Flange Mounting Style 'B' (Corresponds to DIN ISO 6431 and VDMA 24562 Part 2, Style MF2)

QA/8000/22 — Front Flange Mounting Style 'G' (Corresponds to DIN ISO 6431 and VDMA 24562 Part 2, Style MF1)



QA/8000/21 — Foot Mounting Style 'C' (Corresponds to DIN ISO 6431 and VDMA 24562 Part 2, Style MS1)



Cylinder Ø	Ø AB	AH	AO	AT	AU	BB	DD	E	E1	Ø FB
20	6,6	27	6	4	16	—	—	36	36	6,6
25	6,6	30	7	4	16	—	—	40	40	6,6
32	7	32	8	4	24	17	M6	48	50	7
40	9	36	9	4	28	17	M6	53	55	9
50	9	45	10	5	32	23	M8	64	65	9
63	9	50	12	5	32	23	M8	74	75	9

Cylinder Ø	MF	R	TF	TG	TR	UF	Style 'A'	Style 'B', 'G'	Style 'C'	
20	10	—	55	—	22	70	—	0,16 kg	0,03 kg	
25	10	—	60	—	26	76	—	0,20 kg	0,04 kg	
32	10	32	64	32,5	32	80	0,02 kg	0,25 kg	0,15 kg	
40	10	36	72	38	36	90	0,02 kg	0,35 kg	0,18 kg	
50	12	45	90	46,5	45	110	0,05 kg	0,70 kg	0,30 kg	
63	12	50	100	56,5	50	125	0,05 kg	0,80 kg	0,39 kg	



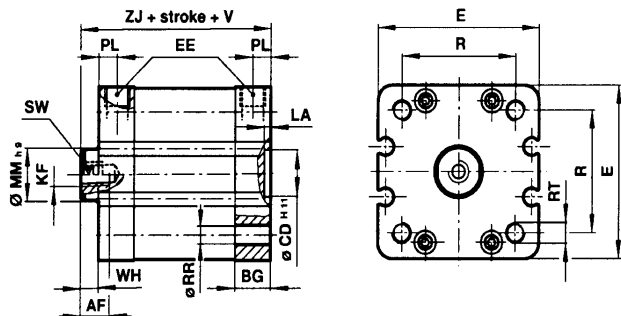
Theoretical Forces • Air Consumption

Cylinder Ø	RM/191000/M Theoretical forces (N) at 6 bar Outstroke		RM/193000/M Theoretical forces (N) at 6 bar Instroke		Air consumption (l/cm stroke) at 6 bar Outstroke	
	F1		F1		Instroke	
20	161	14,5	119	14,5	0,022	0,017
25	264	20	197	20	0,035	0,027
32	432	32	311	32	0,056	0,042
40	687	44	566	44	0,088	0,074
50	1043	56,5	906	56,5	0,138	0,116
63	1770	74,5	1582	74,5	0,218	0,196

Basic Dimensions

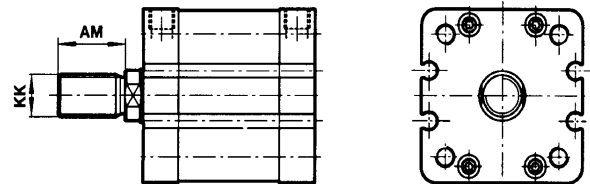
RM/191000/MX — Standard Cylinders

Sprung in with female piston rod thread



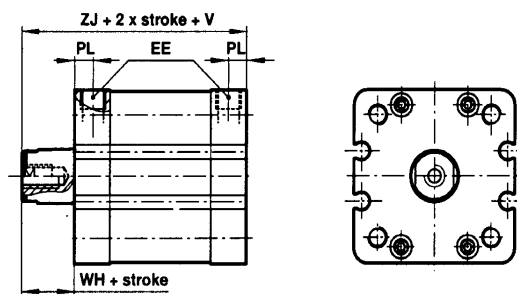
RM/191000/M — Standard Cylinders

Sprung in with male piston rod thread



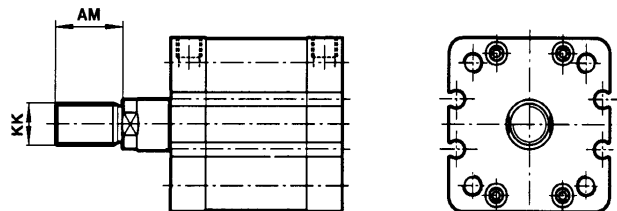
RM/193000/MX — Standard Cylinders

Sprung out with female piston rod thread



RM/193000/M — Standard Cylinders

Sprung out with male piston rod thread



Cylinder Ø	AF	AM	BG	Ø CD H11	□ E	EE	KF	KK	LA	Ø MM h9	PL	□ R
20	10	22	12	12	36	M 5	M 6	M10x1,25	2,5	10	7,5	22
25	10	22	13	12	40	M 5	M 6	M10x1,25	2,5	10	7,5	26
32	12	22	14,5	14	47	G 1/8	M 8	M10x1,25	2,5	12	7,5	32,5
40	12	24	14,5	14	53	G 1/8	M 8	M12x1,25	2,5	16	7,5	38
50	14	32	14,5	18	65,5	G 1/8	M 10	M16x1,5	2,5	20	7,5	46,5
63	16	32	14,5	18	75	G 1/8	M 12	M16x1,5	2,5	20	7,5	56,5

Cylinder Ø	Ø RR	RT	SW (A/F)	V		WH	ZJ	RM/191000/MX		RM/193000/MX		
				0 to 25	26 to 50			at 0 mm	per 5 mm	at 0 mm	per 5 mm	
20	4,3	M 5	8	17	34	6	43	0,17 kg	0,01 kg	0,17 kg	0,01 kg	
25	4,3	M 5	8	18	36	6	45	0,20 kg	0,01 kg	0,20 kg	0,01 kg	
32	5,3	M 6	10	19	38	7	51	0,30 kg	0,02 kg	0,30 kg	0,02 kg	
40	5,3	M 6	13	20	40	7	52	0,40 kg	0,02 kg	0,40 kg	0,02 kg	
50	6,8	M 8	17	30	60	8	53	0,65 kg	0,03 kg	0,65 kg	0,03 kg	
63	6,8	M 8	17	30	60	8	58	0,90 kg	0,03 kg	0,90 kg	0,03 kg	

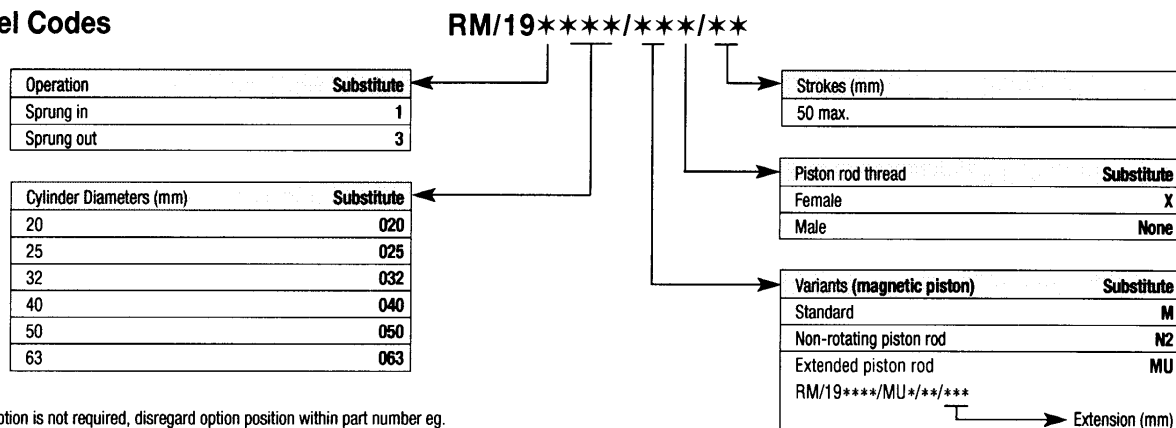


Cylinder Variants

Symbol	Model	Description	Dimensions Page
	RM/191000/M	Standard cylinder, male piston rod thread	04
	RM/191000/MX	Standard cylinder, female piston rod thread	04
	RM/191000/MU	Cylinder with extended piston rod, male piston rod thread	04
	RM/191000/MUX	Cylinder with extended piston rod, female piston rod thread	05
	RM/191000/N2	Cylinder with non-rotating piston rod, male piston rod thread	05
	RM/191000/N2X	Cylinder with non-rotating piston rod, female piston rod thread	05
	RM/193000/M	Standard cylinder, male piston rod thread	04
	RM/193000/MX	Standard cylinder, female piston rod thread	04
	RM/193000/MU	Cylinder with extended piston rod, male piston rod thread	04
	RM/193000/MUX	Cylinder with extended piston rod, female piston rod thread	04
	RM/193000/N2	Cylinder with non-rotating piston rod, male piston rod thread	05
	RM/193000/N2X	Cylinder with non-rotating piston rod, female piston rod thread	05

For combinations of cylinder variants consult our Technical Service.

Model Codes



Note: If option is not required, disregard option position within part number eg.

RM/191032/M/25. For combinations of cylinder variants consult our Technical Service.

Switches

	Cable	Plug (M8x1)
Model		
Reed	M/50/LSU/..	M/50/LSU/CP
	M/50/RAC/5V	—
Solid state	M/50/EAP/..	M/50/EAP/CP
	M/50/EAN/..	M/50/EAN/CP

Model	Reed	Solid State	Voltage V a.c.	V d.c.	Current Max.	Temperature °C	LED	Features	Cable/Plug Length	Cable Type	Plug-in Cable Straight	90°	Catalogue Page
M/50/LSU/*V	—	—	10 to 240	10 to 170	180 mA	-20° bis +80°	●	—	2, 5, 10 m	PVC 2 x 0,25	—	—	N/ 4.3.005
M/50/LSU/5U	—	—	10 to 240	10 to 170	180 mA	-20° bis +80°	●	—	5 m	PUR 2 x 0,25	—	—	N 4.3.005
M/50/RAC/5V	—	—	10 to 240	10 to 170	180 mA	-20° bis +80°	—	Changeover	5 m	PVC 3 x 0,25	—	—	N 4.3.005
M/50/LSU/CP	—	—	10 to 60	10 to 75	180 mA	-20° bis +80°	●	Plug M8x1	5 m	PVC 3 x 0,25	M/P73001/5	—	N 4.3.005
—	—	M/50/EAP/*V	—	10 to 30	150 mA	-20° bis +80°	●	PNP	2, 5, 10 m	PVC 3 x 0,25	—	—	N 4.3.007
—	—	M/50/EAP/CP	—	10 to 30	150 mA	-20° bis +80°	●	PNP, plug M8x1	5 m	PVC 3 x 0,25	M/P73001/5	—	N 4.3.007
—	—	M/50/EAN/*V	—	10 to 30	150 mA	-20° bis +80°	●	NPN	2, 5, 10 m	PVC 3 x 0,25	—	—	N 4.3.007
—	—	M/50/EAN/CP	—	10 to 30	150 mA	-20° bis +80°	●	NPN, plug M8x1	5 m	PVC 3 x 0,25	M/P73001/5	—	N 4.3.007

* Insert cable length

Full information on switches (technical data, cable materials, dimensions etc.) please refer to relevant catalogue pages