

LINTRA® Rodless cylinders

M/46000/L

Internal guide with brake

Double acting

Ø 25 to 63 mm



Active



Passive

Integral pneumatically actuated brakes – 'active' (L1, L3) and 'passive' (L2, L4)

Air supply to brake can be connected to either bottom or side

Asbestos free brake lining – safer working environment

Technical data

Medium:

Compressed air, filtered and lubricated.

Pressure (brake):

2 to 10 bar - active

4 to 10 bar - passive

Operating temperature:

+5°C to +70°C

Consult our Technical Service for use below +2°C

Active brake:

Pressure applied to obtain brake action

Passive brake:

Pressure released to obtain brake action

Materials

Cylinder barrel: anodised aluminium alloy

End covers, yoke & carriage:

anodised aluminium

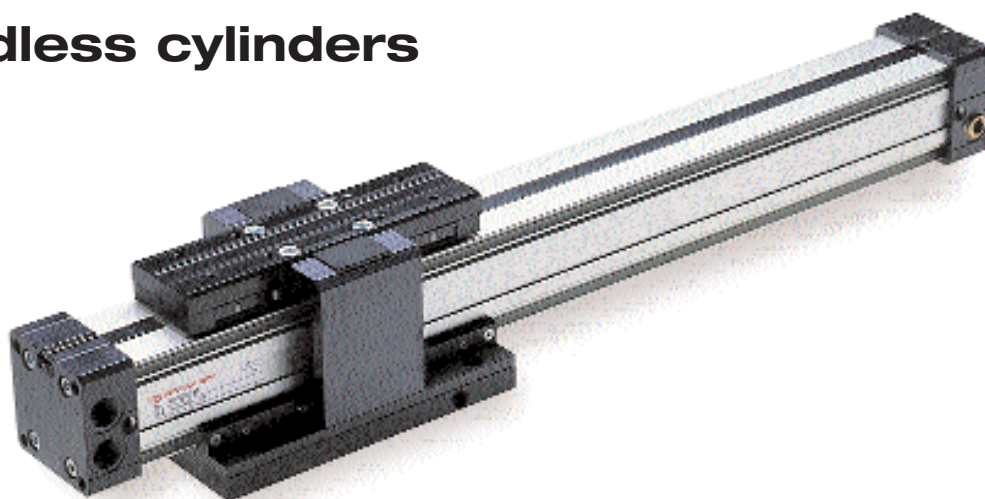
Brake strip: stainless steel

Brake liner: non-asbestos

Sealing strip & piston seals: polyurethane

Cover strip: polyamide

Seals: nitrile rubber



Standard models

Ø	Port size	Non-magnetic	Active brake	Passive brake	Magnetic	Active brake	Passive brake	Service kit
25	G1/8	M/46025/L1/*	M/46025/L2/*	M/46025/L3/*	M/46025/L4/*	QM/46025/*	88	
32	G1/4	M/46032/L1/*	M/46032/L2/*	M/46032/L3/*	M/46032/L4/*	QM/46032/*	88	
40	G1/4	M/46040/L1/*	M/46040/L2/*	M/46040/L3/*	M/46040/L4/*	QM/46040/*	88	
50	G3/8	M/46050/L1/*	M/46050/L2/*	M/46050/L3/*	M/46050/L4/*	QM/46050/*	88	
63	G1/2	M/46063/L1/*	M/46063/L2/*	M/46063/L3/*	M/46063/L4/*	QM/46063/*	88	

*Insert stroke length in mm.

Note: Service kits are available in 1000 mm stroke multiples e.g. QM/46025/1000/88, QM/46025/2000/88 etc.

For full cylinder dimensions see page 87

Cylinder sizing and speed control see page 6

Order magnetically operated switches M/50 separately, see page 198

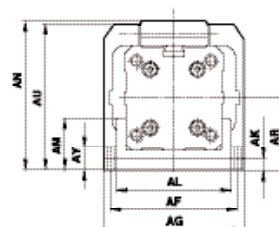
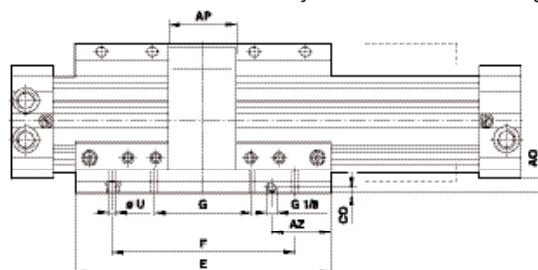
Mountings



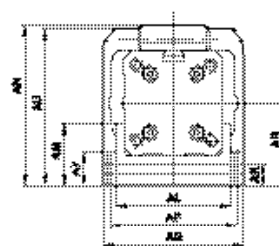
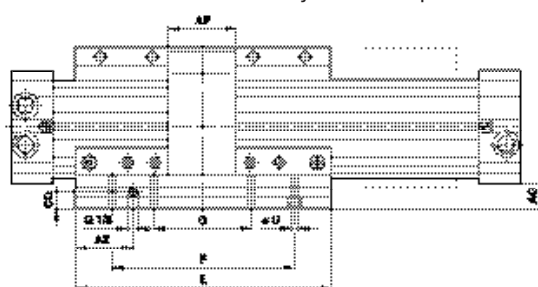
Ø	Foot mounting
25	QM/46025/21
32	QM/46032/21
40	QM/46040/21
50	QM/46050/21
63	QM/46063/21

Please see opposite for details of mountings.

M/46000/L1 and M/46000/L3 – Cylinders with active holding brake



M/46000/L2 and M/46000/L4 – Cylinders with passive holding brake



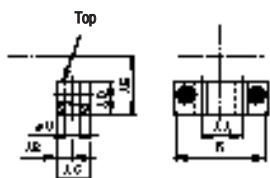
Model		Ø	AF	AG	AK	AL	AM	AN	AO	AP	AR	AU	AY	AZ	CO	E	F	G	Ø U
M/46025/L1	M/46025/L3	25	62	75	12	52	28,5	73,5	13,5	45	37,5	73	16,5	30	6	130	90	45	6,6
M/46025/L2	M/46025/L4	25	62	75	22	52	38,5	83,5	23,5	45	47,5	83	26,5	30	16	130	90	45	6,6
M/46032/L1	M/46032/L3	32	78	92	12	64	29	90	14	55	44	89,5	17,5	32,5	6	160	120	60	9
M/46032/L2	M/46032/L4	32	78	92	24	64	41	102	26	55	56	101,5	29,5	32,5	18	160	120	60	9
M/46040/L1	M/46040/L3	40	94	112	12	81	34,5	103,5	13,5	65	51	103	18	52,5	6	215	160	80	9
M/46040/L2	M/46040/L4	40	94	112	24	81	46,5	115,5	25,5	65	63	115	30	52,5	18	215	160	80	9
M/46050/L1	M/46050/L3	50	112	132	12	94	35,5	124,5	14,5	75	59,5	124	18,5	65	6	250	190	95	11
M/46050/L2	M/46050/L4	50	112	132	30	94	53,5	142,5	32,5	75	77,5	142	36,5	65	24	250	190	95	11
M/46063/L1	M/46063/L3	63	132	150	12	112	42,5	140,5	15,5	90	68	140	20,5	115	6	320	240	120	13
M/46063/L2	M/46063/L4	63	132	150	30	112	60,5	158,5	33,5	90	86	158	38,5	115	24	320	240	120	13

For full dimensions see page 87

LINTRA® Rodless cylinder mountings

For M/46000, .../M, M/46100, .../M, M/46200, .../M

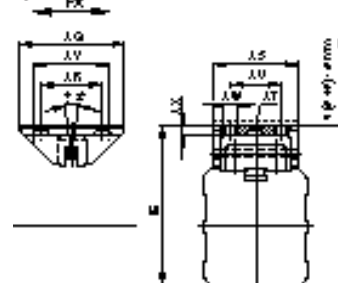
Foot mounting – C



Ø	AA	AB	AC	AD	AE	R	ØU	kg
16	16	10	15	3	16	27	5,5	0,01
20	17	5	10	10	21,5	40	5,5	0,03
25	18	7	15	13,5	24	48	7	0,01
32	26	11	22	16,5	30,5	60	9	0,1
40	30	11	22	19,5	37,5	75	9	0,2
50	42	12	25	24	45	90	11	0,3
63	48	13	25	27,5	54	105	13	0,4
80	64	12,5	25	35	70	130	14	0,4

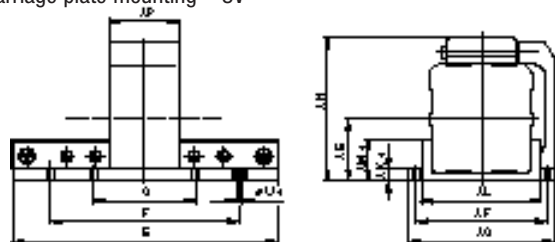
End cover mounts for cylinders Ø 25 to 80mm can be attached to give different distances AE. When used together with a centre support mounting the word 'TOP' should be visible on the top face of the mount.

Swinging bridge – S



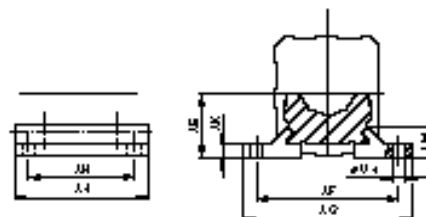
Ø	AQ	AR	AS	AT	AU	AV	AW	AX	IE	Fx (N)	kg
16	40	–	26	–	12	30	M4	4	48 +4	100	0,02
20	50	35	38	DIN74-Bm5	20	40	M5	5	65,5 +5	150	0,10
25	60	40	44	DIN74-Bm5	20	45	M5	5	70 +5	250	0,20
32	80	50	59	DIN74-Bm6	30	60	M6	5,5	88,5 +5	410	0,30
40	80	50	59	DIN74-Bm6	30	60	M6	5,5	102,5 +5	640	0,30
50	100	60	65	DIN74-Bm8	40	80	M8	6,5	124 +5	1000	0,50
63	100	60	65	DIN74-Bm8	40	80	M8	6,5	139 +5	1500	0,50
80	100	60	65	DIN74-Bm8	40	80	M8	6,5	168,5 +5	2400	0,50

Carriage plate mounting – UV



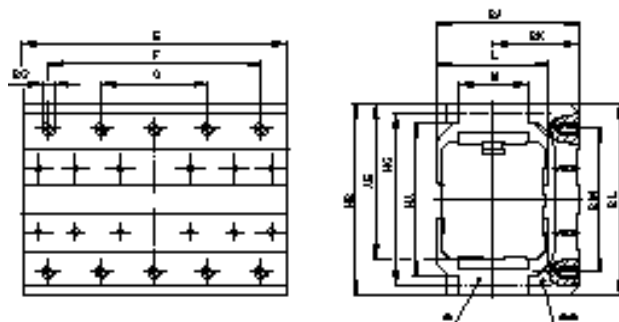
Ø	AE	AF	AG	AK1	AL	AM1	AN	AP	E	F	G	ØU1	kg
16	16	40	50	3,5	31	8,5	40,5	30	80	60	–	5,5	0,10
20	21,5	52	62	5,5	42	14,5	56	36	110	80	40	5,5	0,20
25	26,5	62	75	5,5	52	17,5	62,5	45	130	90	45	6,6	0,30
32	33	78	92	6,5	64	18	79	55	160	120	60	9	0,40
40	40,5	94	112	7,5	81	24	93	65	215	160	80	9	0,80
50	49	112	132	8	94	25	114	75	250	190	95	11	1,20
63	57,5	132	150	10	112	32	130	90	320	240	120	13	2,00
80	70	155	180	10	132	32	159	100	390	300	150	14	2,90

Centre support – V



Ø	AE	AF	AG	AH	AJ	AK	AM	Ø U1	kg
16	16	40	50	20	30	3,5	9	5,5	0,01
20	21,5	52	62	45	60	4,5	12	5,5	0,03
25	24	60	72	60	80	5,5	13	6,6	0,04
32	30,5	76	92	70	100	6,5	18,5	9	0,07
40	37,5	92	108	90	120	7,5	18,5	9	0,2
50	45	110	128	110	140	7,5	18,5	11	0,2
63	54	132	154	120	160	9	25	13	0,3
80	70	155	180	140	180	12	28,5	14	0,4

Secondary carriage – W
Side mounting plate – UW



* Secondary carriage – W

** Side mounting plate – UW

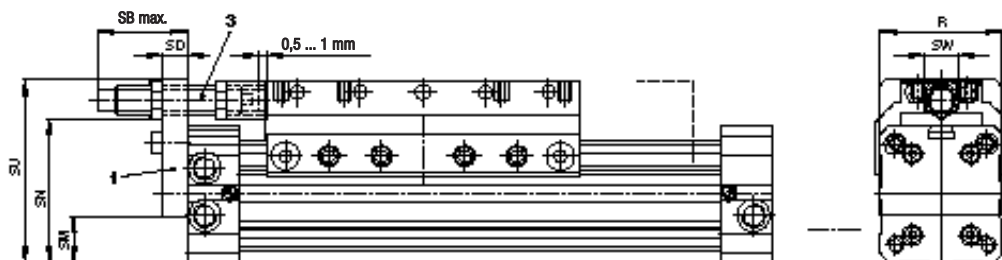
Ø	AE	BG	BJ	BK	BL	BM	E	F	G	HA	HB	HC	L	M	kg-W	kg-UW
16	38	–	–	–	–	–	80	–	–	–	49	–	–	18	0,04	–
20	59	M 5 x 10 deep	54	33	78	55	110	80	40	64	79	64	42	27	0,19	0,25
25	67,5	M 5 x 10 deep	63	37	86	65	130	90	45	77	87	77	52	32	0,27	0,33
32	82	M 5 x 12 deep	77	45	103	80	160	120	60	94	104	94	64	45	0,50	0,50
40	97,5	M 6 x 12 deep	98	58,5	119	90	215	160	80	110	120	110	79	45	0,65	1,08
50	117	M 6 x 15 deep	117,5	71,5	143	120	250	190	95	131	144	131	92	50	1,10	1,85
63	137	M 8 x 20 deep	139,5	84,5	168	140	320	240	120	153	169	154	110	50	1,90	3,46
80	165	–	–	–	–	–	390	240	–	–	200	–	–	50	2,50	–

LINTRA® Rodless cylinder mountings

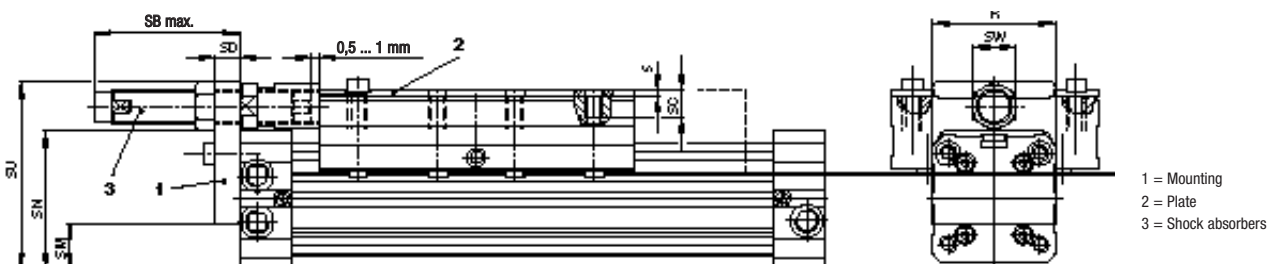
For M/46000, .../M, M/46100, .../M, M/46200, .../M

Assembly kit shock absorbers (order plate and shock absorbers separately)

For cylinders M/46100, M/46100/M



For cylinders M/46200, M/46200/M



Model	Ø	Assembly kit for shock absorbers Item 1	Plate for shock absorbers Item 2	R	SB	SD	SC	SM	SN	SU	SW
M/46125	25	QM/46125/67	—	48	45,5	12	—	19	49	69,5	17
M/46132	32	QM/46132/67	—	60	40,5	12	—	24	61	81,5	17
M/46140	40	QM/46140/67	—	75	81,5	15	—	29	74	109,5	30
M/46150	50	QM/46150/67	—	90	69	15	—	33	91	127,5	30
M/46163	63	QM/46163/67	—	105	69	15	—	41	105,5	141,5	30
M/46180	80	QM/46180/67	—	130	85	20	—	53	130,5	173,5	Ø 40
M/46225	25	QM/46125/67	—	48	45,5	12	—	19	49	69,5	17
M/46232	32	QM/46132/67	—	60	40,5	12	—	24	61	81,5	17
M/46240	40	QM/46140/67	M/P41434	75	81,5	15	31	29	74	109,5	30
M/46250	50	QM/46150/67	M/P41435	105	69	15	36	33	91	127,5	30
M/46263	63	QM/46163/67	M/P41436	130	69	15	35	41	105,5	141,5	30

Order plate and shock absorbers separately

Note: Formulas and calculations see page 7

Attention: When using M/46200 cylinders (Ø 40 to 63 mm) an extra top plate must be mounted onto the carriage as the centre line of the shock absorbers has to be within the surface of the carriage