

Series HMU

Mini cylinders, double acting

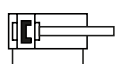
Technical details

Operating pressure	1 ... 10 bar
Temperature range	-20°C ... +80°C
Max. stroke	900 mm
Medium	Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Alternatively the pressure dew point must be at least 10°C below lowest occurring ambient temperature.
Materials	Cylinder tube: stainless steel End caps: Al (anodized) Piston rod: stainless steel Seals: PU, NBR

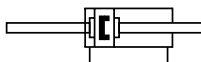


Double acting pneumatic cylinder with magnetic piston and built-in cushioning rings or adjustable cushions.

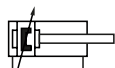
Versions



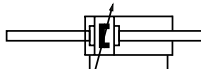
HMU
double acting, with magnetic piston



HMUDE
double acting, double end piston rod, with magnetic piston



HMUP
double acting, adjustable cushioning, with magnetic piston



HMUPDE
double acting, double end piston rod, adjustable cushioning, with magnetic piston

Order code

HMU***-**-**-***-***	
Series	Options
HMU	RG piston rod thread according to ISO
HMUP	Stroke (mm)
HMUDE	XXX max. 900 mm
HMUPDE	Standard# 25, 40, 50, 80, 100, 125, 160, 200, 250, 320, 400, 500 mm
Version	Piston Ø
without standard version	32 32 mm
S lateral air connection, rear	40 40 mm
Z central air connection, rear	

only for series HMU and HMUP

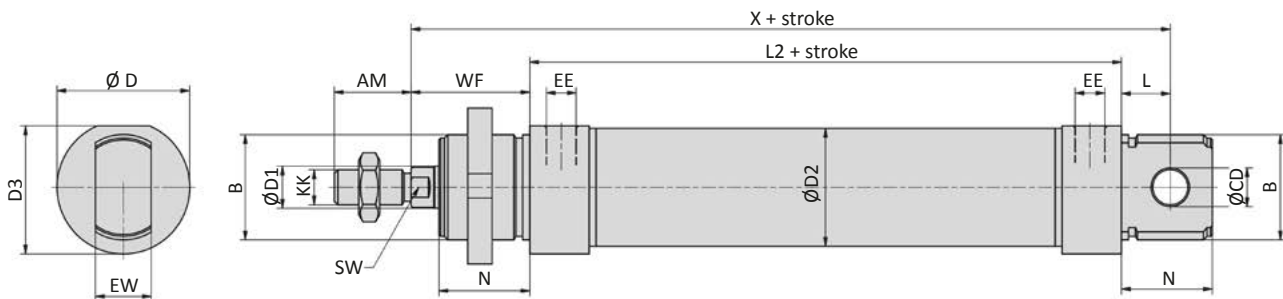
Series HMU

Mini cylinders, double acting

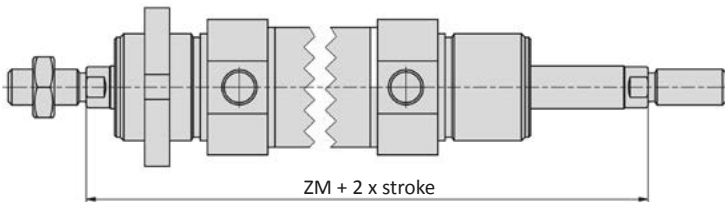
Technical data

Model-no.:	HMU-32-...	HMU-40-...	HMUP-32-...	HMUP-40-...
Piston Ø (mm)	32	40	32	40
Force at 6 bar (N)	434	678	434	678
Extension				
Retraction				
Connection	G1/8	G1/4	G1/8	G1/4
Piston rod thread	M10 x 1.25	M12 x 1.25	M10 x 1.25	M12 x 1.25
Cushioning length (mm)	-	-	22.5	24.5

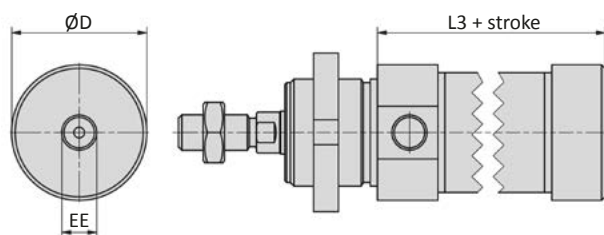
Dimensions series HMU, HMUP



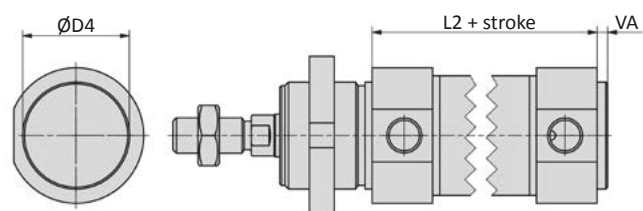
double end piston rod



Version -Z



Version -S



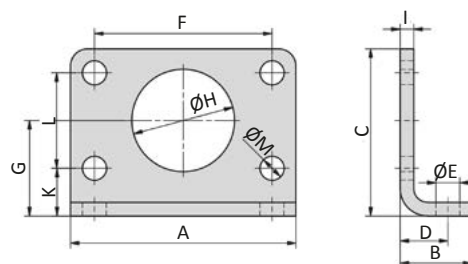
Piston Ø	AM	B	Ø CD	Ø D	Ø D1	Ø D2	D3	Ø D4	EE	EW
32	22	M30 x 1.5	10	38	12	33.6	36.5	30	G1/8	16
40	24	M38 x 1.5	12	46	16	41.6	44	38	G1/4	18

Piston Ø	KK	L	L2	L3	N	SW	VA	WF	X	ZM
32	M10 x 1.25	14	69.5	65.5	26	10	3	34	117.5	137.5
40	M12 x 1.25	16	84.5	77.5	30	13	4	39	139.5	162.5

Series HMu

Mounting accessories

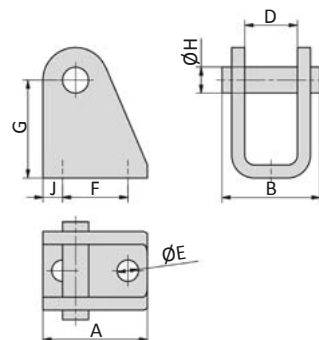
RA-xx Foot mount



Model-no.:	A	B	C	D	Ø E	F	G	Ø H	I	K	L	Ø M
RA-32	66	21	49	14	7	52	28	30	4	14	28	7
RA-40	80	30	58	20	9	60	33	38	5	18	30	9

Material: steel, zinc plated

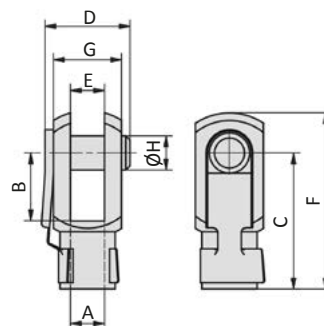
RC-xx-1 Clevis mount



Model-no.:	A	B	D	Ø E	F	G	Ø H	J
RC-32-1	35	31.3	16.1	6.6	24	35	10	5.5
RC-40-1	45	35.5	18.1	9	30	40	12	7.5

Material: steel, zinc plated, 2 snap rings are included.

RD-xx, FD-xx Rod clevis



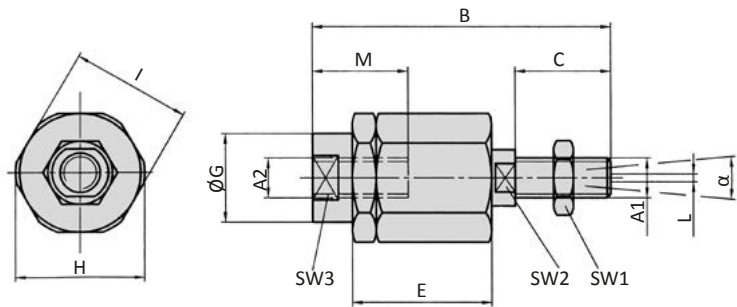
Model-no.:	A	B	C	D	E	F	G	Ø H
RD-25	M10 x 1.25	20	40	26	10	52	20	10
FD-40	M12 x 1.25	24	48	32	12	62	24	12

Material: steel, zinc plated

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Mounting accessories

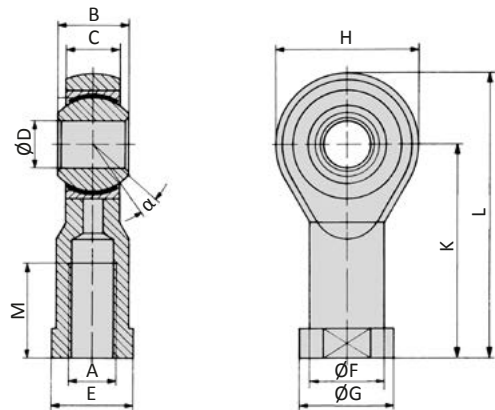
FK-xx Flexible coupling



Model-no.:	A1, A2	B	C	D	E	Ø G	H	I	L	M	SW1	SW2	SW3	α
FK-32	M10 x 1.25	71.5	20	7.5	35	22	32	30	2	22	17	12	19	8°
FK-40	M12 x 1.25	71.5	20	7.5	35	22	32	30	2	22	19	12	19	8°

Material: steel, zinc plated

RO-xx, FO-xx Rod eye



Model-no.:	A	B	C	Ø D	E	Ø F	Ø G	H	K	L	M	α
RO-25	M10 x 1.25	14	10.5	10	17	15	19	28	43	57	20	13°
FO-40	M12 x 1.25	16	12	12	19	17.5	22	32	50	66	22	13°

Materials: steel, zinc plated, bearing steel, bronze bushing

Proximity sensors

