

Slim Cylinder of Aluminium Alloy(Single Acting Type)

Characteristics



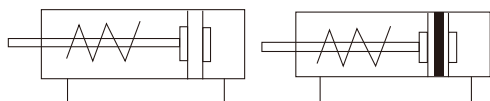
- ◆The aluminum barrel type is much cheaper than the stainless steel barrel type.
- ◆All parts are pre-lubricated during assembly and the TEFLON material bushing is used, lubrication is not required.
- ◆High Temperature type cylinder is optional. The special seals uiton will be adopted to be suitable up to 150℃.
- ◆A complete range of accessories is available to meet all kind of demand.
- ◆All cylinders can be supplied as standard with magnetic pistons. The magnetic cylinder is option for using with switch sensors.

Product Code System

EMSAL	—	CM	25	x	75	—	S	—	LB
型号		后盖型式	缸径		行程		感应磁环		固定型式
单作用型		空白:摆尾型 U:平尾型 CM:圆尾型					S:带磁环 空白: 不带磁环		空白: 基本型 LB:前后固定式 FA:前法兰式 SDB:后摆式

EMSAL	—	CM	25	x	75	—	S	—	LB
Model		Rear Lid Pattern	Inner Diameter		Stroke		Inductive Magnetic Ring		Mounting Type
Single Acting		Blank:single Clevis Type U:Front Flange Type CM:Axial Foot Type					S:With magnetic ring Blank:Without magnetic ring		Blank:Basic LB:Front and Rear Fixation FA:Front Flange SDB:Rear Wiggle

Symbol



Example

▲For order of the single acting SDB fixed pattern aluminium alloy slim cylinder which the inner diameter is 20mm , the stroke is 50mm , the magnetic ring is attached to , the rid pattern is single clevis type, the correct order code is :EMSAL – 20 x 50 – S –SDB

Specification

缸径/ Inner Diameter (mm)	16	20	25	32	40
动作型式/ Action	单作用型/ Single Acting				
工作介质/ Fluid	经过滤的压缩空气/ The constrigent after filtered				
固定型式/Fixing Type	基本型/ Basic LB FA SDB				
使用压力范围/ Range of Working Pressure MPa	0.2~0.9				
保证耐压力/ Proof Press MPa	1.35				
使用温度范围 / Operating Temp ℃	-5~70				
使用速度范围 / Piston Speed mm/s	30~800				
缓冲型式/ Cushion	固定式缓冲/ Fixing Cushion				
接管螺纹 / Port Thread	M5×0.8	G1/8			G1/4

Cylinder Stroke

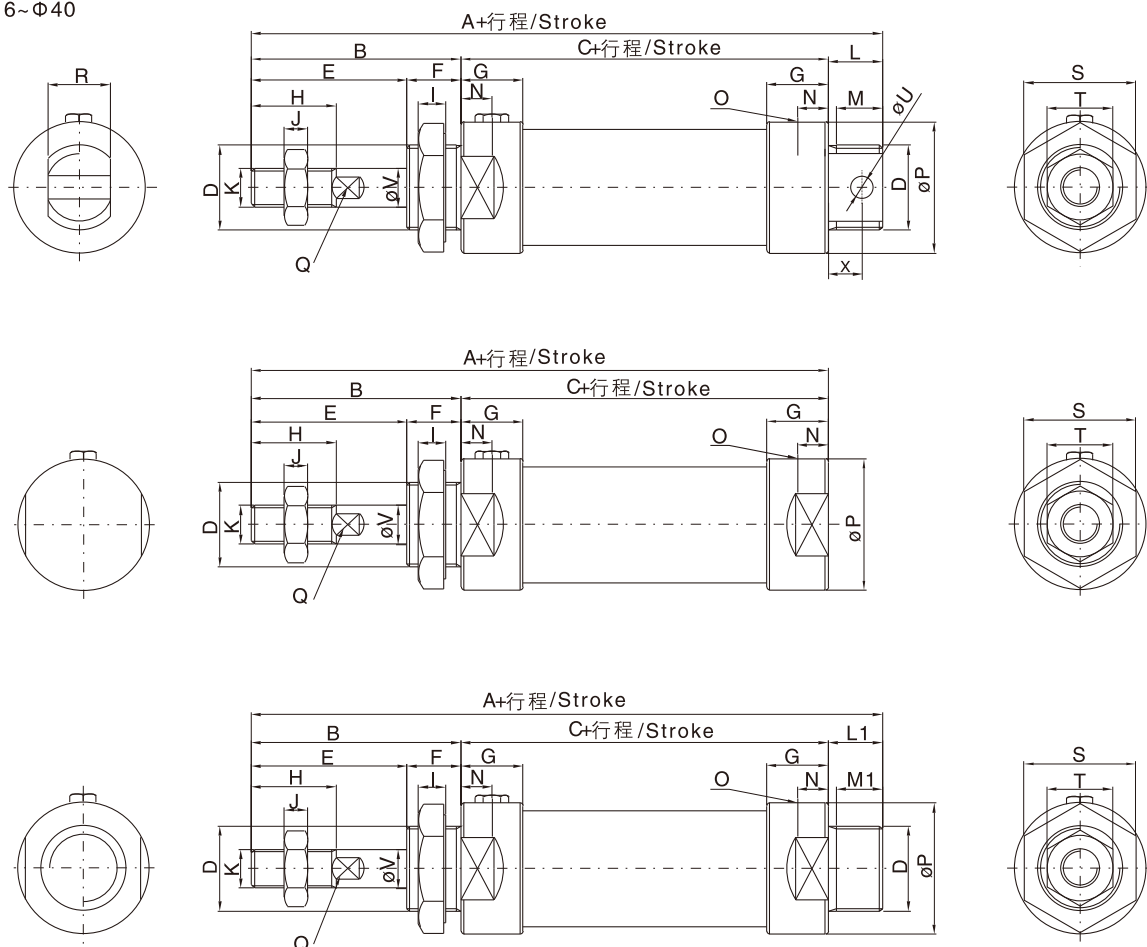
缸径/ Inner Diameter(mm)	标准行程/ Standard Stroke					最大行程/ Max Stroke	容许行程/ Permissble Stroke
16	25	50	75	80	100	100	150
20	25	50	75	80	100	100	150
25	25	50	75	80	100	100	150
32	25	50	75	80	100	100	150
40	25	50	75	80	100	100	150

※Please contact us if you want special stroke cylinder

■ Dimensions

EMSAL

Φ16~Φ40

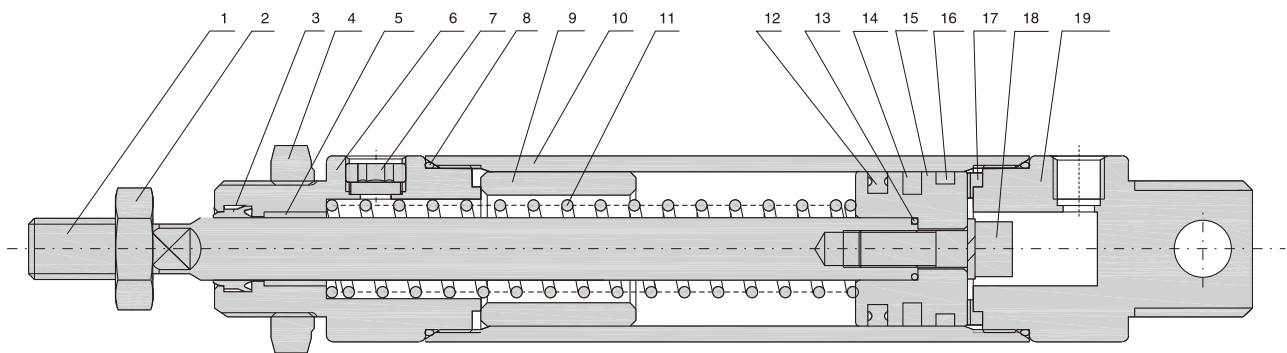


EMSAL

缸径 Inner Dia.	符号 Code	A					B	C		E	F	D	K	G	H	I	
	型式/Type	摆尾 Single Clevis		圆尾 Axial Foot		平尾 Front Flage		0 ~ 50	51 ~ 100								
	行程/Stroke	0 ~ 50	51 ~ 100	0 ~ 50	51 ~ 100	0 ~ 50											51 ~ 100
16		114	139	114	139	98	123	38	60	85	22	16	M16×1.5	M6×1	10	16	6
20		131	156	122	147	110	135	40	70	95	28	12	M22×1.5	M8×1.25	16	20	7
25		135	160	128	153	114	139	44	70	95	30	14	M22×1.5	M10×1.25	16	22	7
32		139	165	139	165	114	139	44	70	95	30	14	M24×2	M10×1.25	16	22	8
40		165	190	152	177	138	163	46	92	117	32	14	M30×2	M12×1.25	22	24	9

符号 缸径 Code Inner Dia.	J	L	L1	O	N	M	M1	P	R	S	T	U	V	Q	X
16	5	16	16	M5×0.8	5	14	14	21	12	22	10	6	6	5	9
20	6	21	12	G1/8	8	19	10	29	16	29	12	8	8	6	12
25	6	21	14	G1/8	8	19	12	34	16	29	17	8	10	8	12
32	6	27	14	G1/8	8	25	12	39	16	32	17	10	12	10	15
40	7	27	14	G1/4	11	25	12	47	20	41	19	12	16	14	15

■ Structure Chart



序 号	1	2	3	4	5	6	7	8	9
名 称	活塞杆	活塞杆螺母	防尘密封圈	前盖螺母	导套	前盖	消声器组件	前后盖O型圈	弹簧座
材 料	中碳钢	低碳钢	NBR	低碳钢	复合材料	铝合金		NBR	塑料

序 号	10	11	12	13	14	15	16	17	18	19
名 称	缸筒	弹簧	组合密封圈	活塞杆O型圈	磁环	活塞	支承环	缓冲圈	内六角螺钉	后盖
材 料	铝合金	弹簧钢	NBR	NBR	塑磁	铝合金	复合材料	塑料	中碳钢	铝合金

No.	1	2	3	4	5	6	7	8	9
Description	Piston Rod	Piston Rod Nut	Dustproof Seal Ring	Front Cover Nut	Guide Sleeve	Front Cover	Silencer Set	Front & Rear Cover O-ring	Spring Seat
Material	Medium Carbon Steel	Mild Steel	NBR	Mild Steel	Composite Material	Aluminum Alloy		NBR	Plastic

No.	10	11	12	13	14	15	16	17	18	19
Description	Cylinder	Spring	Combined Seal Ring	Piston Rod O-ring	Magnetic Ring	Piston	Support Ring	Buffer Ring	Allen Screw	Rear Cover
Material	Aluminum Alloy	Spring Steel	NBR	NBR	Plastic	Aluminum Alloy	Composite Material	Plastic	Medium Carbon Steel	Aluminum Alloy