RAL 20x100

RAL-U 20x80

RJL 32x40

RACS 20x75

RAS 25x75

How to Order?

R -- A -- L -- [ ] -- 50x50 -- S -- [ ]

- R: Round barrel cylinder mini type
- A: Standard double acting type; D: Double-shaft type; J: Double-shaft, adjustable stroke type; SA: Single acting spring extend; SB: Single acting spring return; AC: Adjustable cushion type
- L: Aluminium barrel; S: Stainless steel barrel
- Blank: Swivelling tail; U: Flat tail; CM: Round tail
- Bore x Stroke: 16-63mm; 0-1000mm
- Blank: No magnet; S: Magnet
- Mounting type — Blank: Basic type; RLB type: Leg Mounting; RFA: Flange Mounting; RSDB: Trunnion bracket Mounting

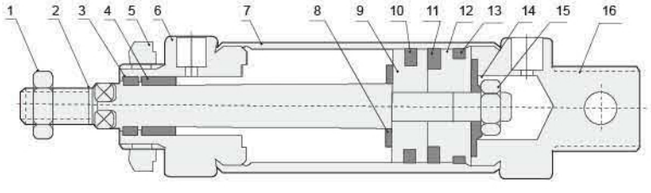
Order example:

* R series cylinder with aluminium barrel, Standard type, 16mm bore, 50mm storke, Model: RAL 16X50
* R series cylinder with stainless steel barrel, adjustable cushion type, 20mm bore, 80mm stroke, with magnet, Model: RAC 20x80-S

Internal structure

RAL Series

RAS Series



No	RAL Series Designation
1	Piston Rod Nut
2	Piston Rod
3	Head Cap Seal
4	Self Lubricating Bearing
5	Hexagon Screw
6	Head Cap
7	O-Ring / Cylinder Body End Seal
8	Aluminium Barrel
9	Anti-bump cushion
10	O-Ring / Piston Rod Seal
11	O-Ring / Piston Seal
12	Piston
13	Wear Ring
14	Back Washer
15	Out Hexagen Nut
16	Rear End Cap

No	RAS Series Designation
1	Piston Rod Nut
2	Piston Rod
3	Head Cap Seal
4	Self Lubricating Bearing
5	Hexagon Screw
6	Head Cap
7	Stainless Steel Barrel
8	Anti-bump Cushion
9	Piston
10	O-Ring / Piston Seal
11	Magnet
12	Magnet Seat
13	Wear Ring
14	Back Washer
15	Out Hexagen Nut
16	Rear End Cap

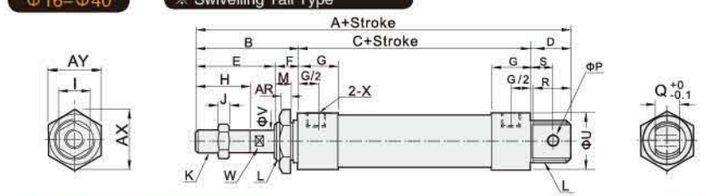
Specifications

Bore Size(mm)		16	20	25	32	40	50	63
Acting Type		Double Acting						
Working Medium		Clean Air (40 μ filteration)						
Mounting type		RLB RFA RSDB						
Range of working pressure (Bar)		1-9.0						
Guaranteed pressure (Bar)		13.5						
Working temperature (℃)		-5~70						
Speed range (mm/s)		50-800						
Cushion type	Standard Type	Anti-bump cushion						
	Cushion Type	-	Adjustable Cushion					
Port Size		M5×0.8	G 1/8				G 1/4	

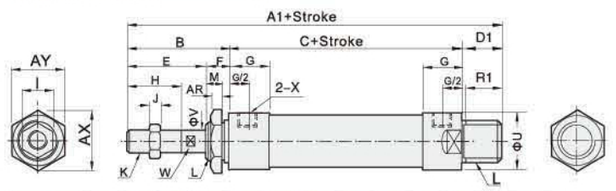
Main dimensions

RAL Series

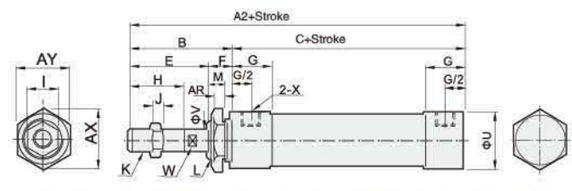
Φ16-Φ40 ※ Swivelling Tail Type



※ Round Tail Type



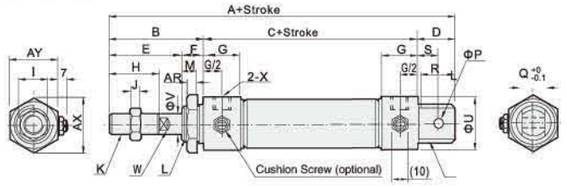
※ Flat Tail Type



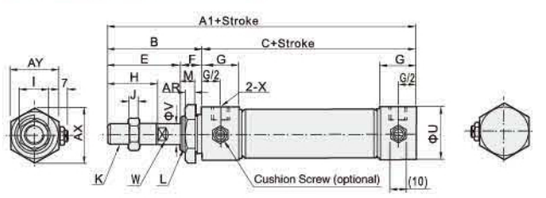
Bore/Sign	A	A1	A2	B	C	D	D1	E	F	G	H	I	J	K	L	M	P	Q	R	R1	S	U	V	W	X	AR	AX	AY
16	106	-	-	36	56	14	-	22	14	11	16	10	6	M6x1	M16x1.5	12	6	12	16.5	-	9.5	20	6	5	M5	6	27	24
20	131	122	110	40	70	21	12	28	12	16	20	12	6	M8x1.25	M22x1.5	10	8	16	19	10	12	29	8	6	PT1/8	7	33	29
25	135	128	114	44	70	21	14	30	14	16	22	17	6	M10x1.25	M22x1.5	12	8	16	19	12	12	34	10	8	PT1/8	7	33	29
32	141	128	114	44	70	27	14	30	14	16	22	17	6	M10x1.25	M24x2.0	12	10	16	25	12	15	39.5	12	10	PT1/8	8	37	32
40	165	152	138	46	92	27	14	32	14	22	24	17	7	M12x1.25	M30x2.0	12	12	20	25	12	15	49.5	16	14	PT1/4	9	47	41

RAS Series Φ16-Φ40

※ Swivelling Tail Type

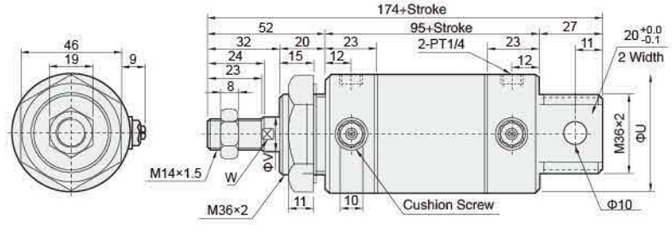


※ Round Tail Type

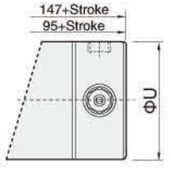


Bore/Sign	A	A1	B	C	D	E	F	G	H	I	J	K	L	M	P	Q	R	S	U	V	W	X	AR	AX	AY
16	114	98	38	60	16	22	16	10	16	10	5	M6x1	M16x1.5	14	6	12	14	9	21	6	5	M5	6	25	114
20	137	116	40	76	21	28	12	16	20	12	6	M8x1.25	M22x1.5	10	8	16	19	12	27	8	6	PT1/8	7	33	137
25	141	120	44	76	21	30	14	16	22	17	6	M10x1.25	M22x1.5	12	8	16	19	12	30	10	8	PT1/8	7	33	141
32	147	120	44	76	27	30	14	16	22	17	6	M10x1.25	M24x2.0	12	10	16	25	15	35	12	10	PT1/8	8	37	147
40	149	122	46	76	27	32	14	16.7	24	17	7	M12x1.25	M30x2.0	12	12	20	25	15	41.6	16	14	PT1/8	9	47	149

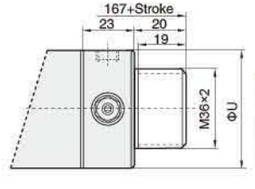
Φ50, Φ63 ※ Swivelling Tail Type



※ Flat Tail Type



※ Round Tail Type



Bore sign	U	V
50	53	16
63	67	16

Product Features

* The aluminium style cylinder cover and barrel are threaded together.
* R series mini cylinder can be easily changed to different appearance according to customers requirement.
* Three style for back end cover, swiveling tail, round tail and flat tail.
* Adjustable cushion is optional for working more stable if necessary.
* With self-lubricating bearing, the piston rod is lubrication free.
* Magnet and sufficient Fixing styles are available.