

Features:

Version is conforms to ISO 6431, CETOP, VDMA24562.

Improved resistance to side loading.

Improved cushioning efficiency.

Low breakaway friction.

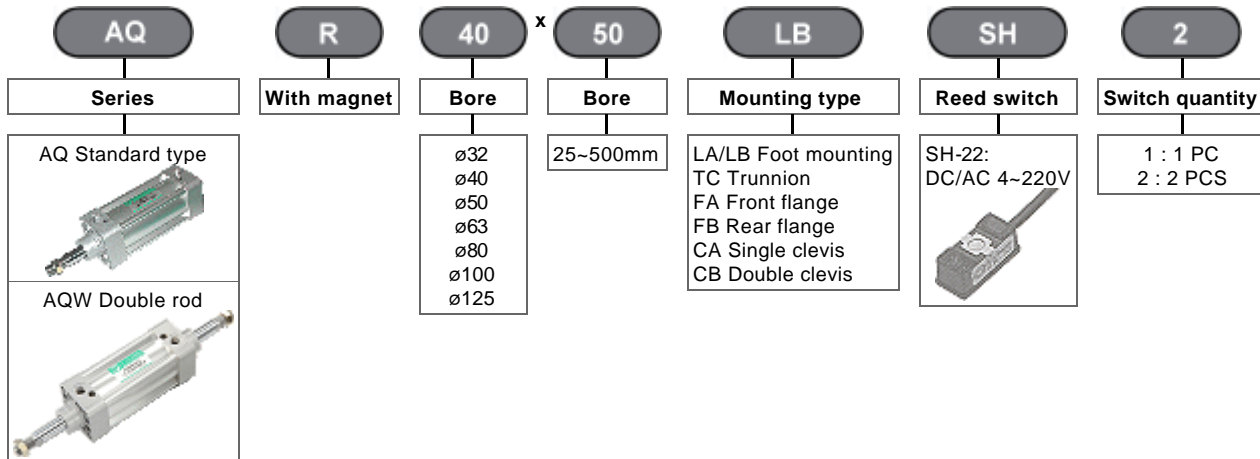
Easy to set up due to multiple mounting accessories.



Specifications:

Action	Double acting type
Series	AQ, AQR
Bore	32, 40, 50, 63, 80, 100, 125
Operating fluid	Compressed air
Operating pressure	0.7~9.9kgf/cm ² (0.07~0.97Mpa)
Proof pressure	15kgf/cm ² (1.47Mpa)
Piston speed range	50~500 mm/sec
Temperature range	-10°C~+70°C
Cushion	with adj. cushion at both ends
Lubrication	Not required

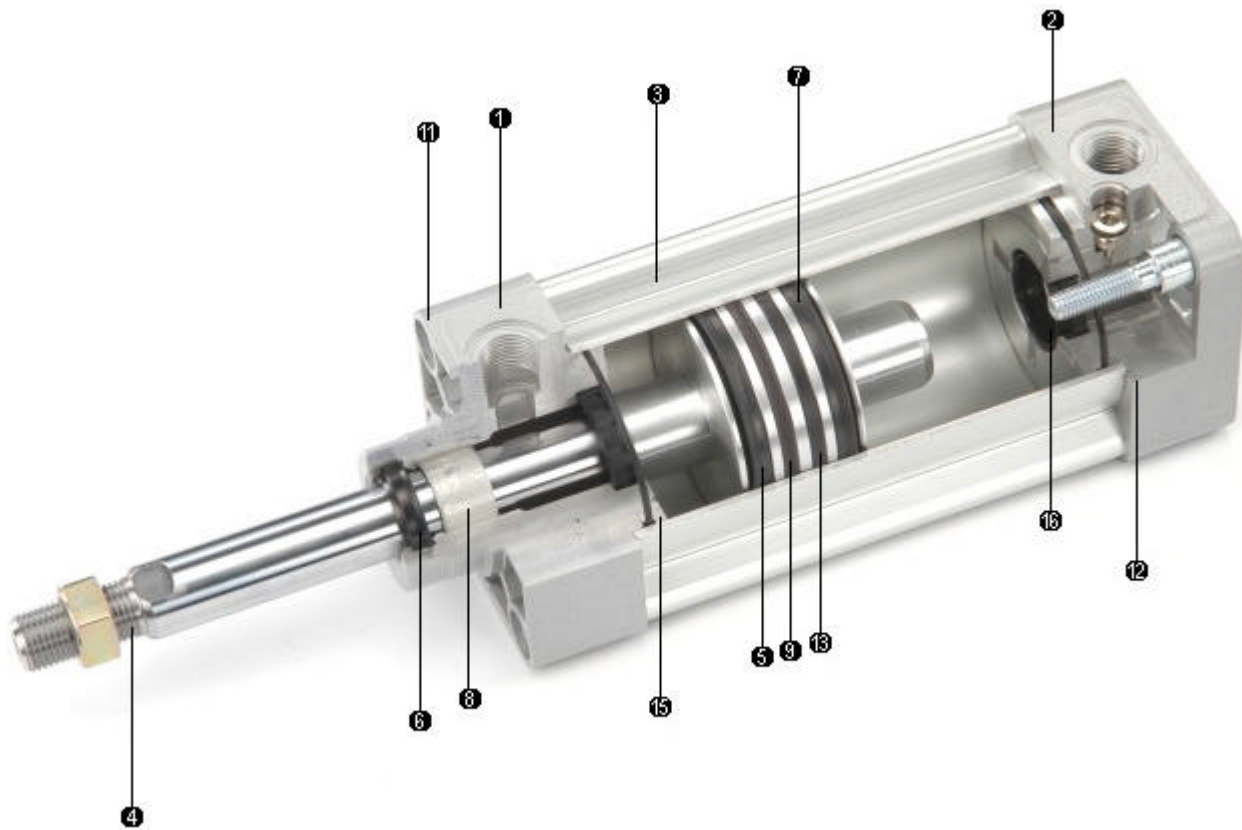
How to Order:



Standard Stroke:

Bore\Stroke	25	40	50	80	100	125	160	200	250	320	400	500
ø32												
ø40												
ø50												
ø63												
ø80												
ø100												
ø125												

Non-standard stroke are available upon request.



Parts List:

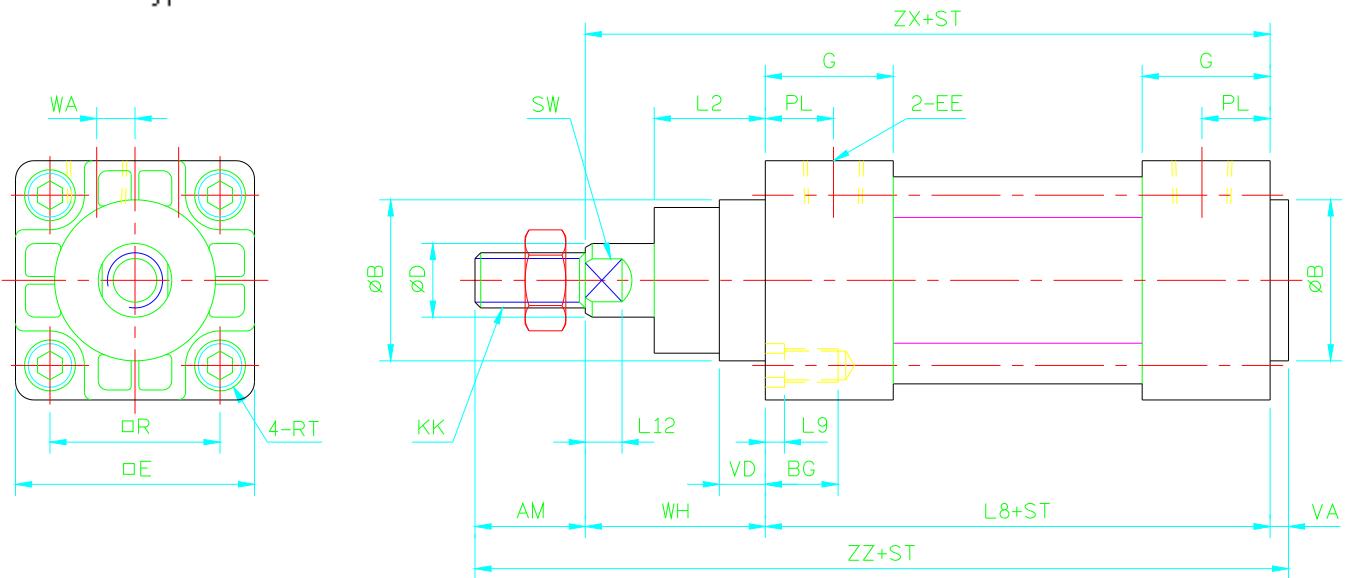
No.	Description	Material	Qty
1	Front end cover	Aluminium alloy	1
2	Rear end cover	Aluminium alloy	1
3	Barrel	Anodized aluminum alloy	1
4	Piston rod	Hard chrome plated carbon steel	1
5	Piston	Aluminium alloy	1
6	Piston rod seal	NBR	1
7	Piston seal	NBR	2
8	Bush	Oil filled, sintered bronze	1
9	Magnet	Resinous magnet	1
10	Tie rod nut	Carbon steel	8
12	Cushion screw	Carbon steel	2
13	Wear ring	POM	1

Seals List:

Bore\Desc.	6 Piston rod seal	7 Piston seal	15 End cover seal	16 Cushion seal
ø32	DRP12	APP32	SM28	PDF16
ø40	DRP16	AGP40	SM36	PDF20
ø50	DRP20	AGP50	SM46	PDF25
ø63	DRP20	AGP63	AS140	PDF25
ø80	DRP25	AGP80	SM75	PDF30
ø100	DRP25	AGP100	G95	PDF30
ø125	DRP35	USH125	G120	PDF30

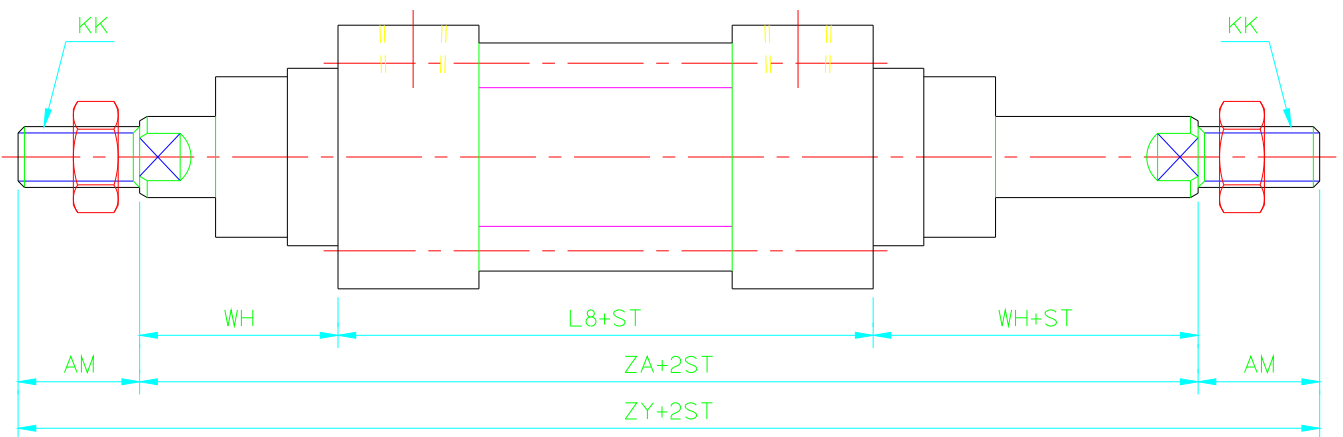
External Dimensions:

- Standard type



Bore	AM	øB	BG	øD	E	EE	G	KK	L2	L8	L9	L12	PL	R	RT	SW	VA	VD	WA	WH	ZX	ZZ
32	22	30	15	12	47	G 1/8	26	M10 X 1.25	16	94	6	6	13	32.5	M6	10	4	7	4	26	120	146
40	24	35	15	16	53	G 1/4	30	M12 X 1.25	20	105	6	6.5	15	38	M6	14	5	9	4	30	135	164
50	32	40	18	20	65	G 1/4	30	M16 X 1.5	25	106	6	8	15	46.5	M8	17	5	11	4	37	143	180
63	32	45	18	20	75	G 3/8	32	M16 X 1.5	25	121	6	8	16	56.5	M8	17	5	13	7	37	158	195
80	40	45	22	25	95	G 3/8	38	M20 X 1.5	32	128	6	10	19	70	M10	22	6	15	7	46	174	220
100	40	55	22	25	115	G 1/2	40	M20 X 1.5	35	138	6	10	20	89	M10	22	6	15	7	51	189	235
125	54	60	22	35	140	G 1/2	40	M27 X 2.0	40	160	6	15	16	110	M12	32	8	-	-	65	225	280

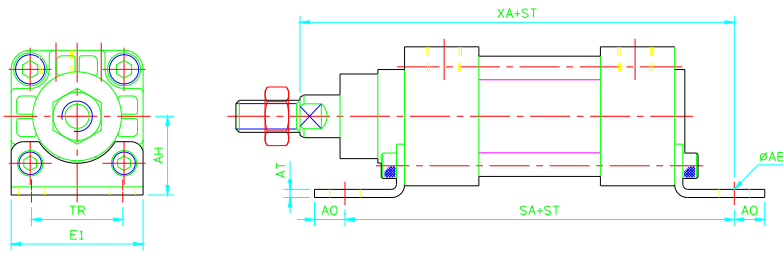
- Double rod end: AQW□□X□□



Bore	AM	KK	L8	WH	ZA	ZY
32	22	M10 X 1.25	94	26	146	190
40	24	M12 X 1.25	105	30	165	213
50	32	M16 X 1.5	106	37	180	244
63	32	M16 X 1.5	121	37	195	259
80	40	M20 X 1.5	128	46	220	300
100	40	M20 X 1.5	138	51	240	320
125	48	M27 X 2.0	160	65	290	386

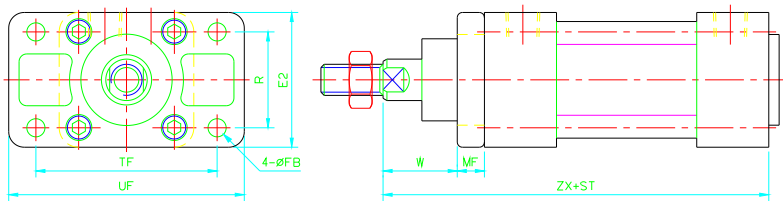
External Dimensions:

• Foot mounting (LB)



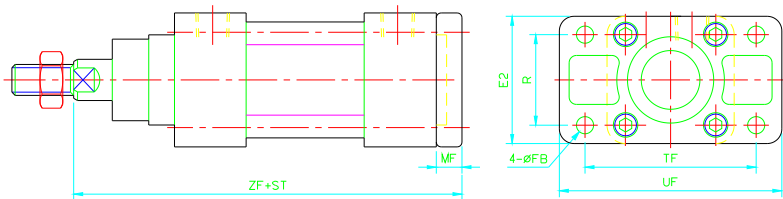
Bore	øAB	AH	AO	AT	E1	SA	TR	XA
32	7	32	8	5	47	142	32	144
40	9	36	10	5	53	161	36	163
50	9	46	10	5	65	170	45	175
63	9	50	10	5	75	185	50	190
80	12	63	13	6	95	210	63	215
100	14	71	13	6	115	220	75	230
125	16	90	19	15	140	250	90	270

• Front Flange (FA)



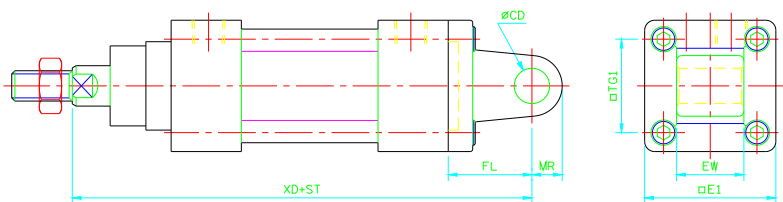
Bore	E2	FB	MF	R	TF	UF	W	ZX
32	50	7	10	32	64	79	16	120
40	56	9	10	36	72	90	20	135
50	65	9	12	45	90	110	25	143
63	80	9	12	50	100	120	25	158
80	96	12	16	63	126	154	30	174
100	120	14	16	75	150	180	35	189
125	140	16	21	90	180	220	45	226

• Rear Flange (FB)



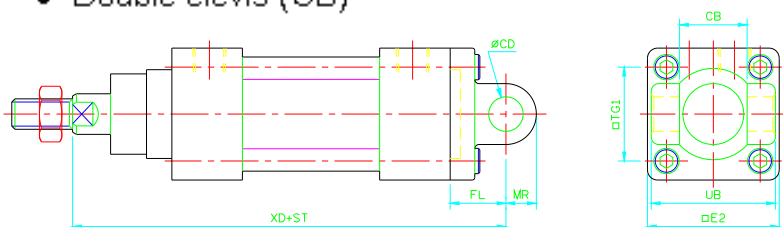
Bore	E2	FB	MF	R	TF	UF	W	ZF
32	50	7	10	32	64	79	16	130
40	56	9	10	36	72	90	20	145
50	65	9	12	45	90	110	25	155
63	80	9	12	50	100	120	25	170
80	96	12	16	63	126	154	30	190
100	120	14	16	75	150	180	35	205
125	140	16	21	90	180	220	45	245

• Single clevis (CA)



Bore	øCD	E1	EW	FL	MR	TG1	XD
32	10	45	26	22	10	32.5	142
40	12	52	28	25	12	38	160
50	12	65	32	27	13	46.5	170
63	16	75	40	32	16	56.5	190
80	16	94	50	36	17	72	210
100	20	113	60	41	20	89	230
125	25	140	70	50	25	110	275

• Double clevis (CB)



Bore	CB	øCD	E2	FL	MR	TG1	UB	XD
32	26	10	48	22	10	32.5	45	142
40	28	12	52	25	12	38	52	160
50	32	12	64	27	14	46.5	60	170
63	40	16	75	32	16	56.5	70	190
80	50	16	95	36	17	72	90	210
100	60	20	115	41	21	89	110	230
125	70	25	140	50	25	110	130	275