ACP ISO 15552 Linear Tie-rod JIS Cylinder

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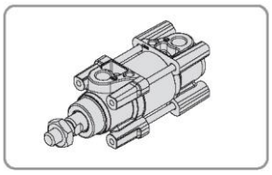
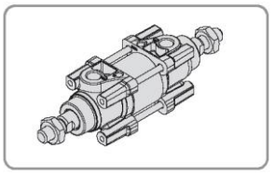


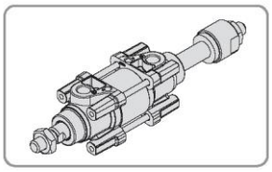
ACPA ***Standard type, Single rod, Double acting, ISO 15552 Cylinder, with end-of-stroke cushioning***
Ø32-Ø100

····· **185**



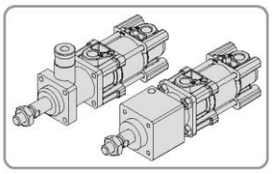
ACPC ***Standard type, Double rods, Double acting, ISO 15552, with end-of-stroke cushioning***
Ø32-Ø100

····· **197**



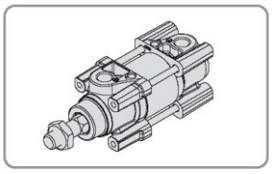
ACPD ***Standard type, Double rods, Double acting, ISO 15552, with end-of-stroke cushioning & adjustable stroke***
Ø32-Ø100

····· **199**



ACPH ***Standard type, Single rod, Double acting, ISO 15552 Cylinder, with Rod lock***

····· **201**



ACPR ***Non-rotating, JIS Cylinder, with end-of-stroke cushioning***
Ø32-Ø80

((See "Non-rotating air cylinder series" on P. 483 for details and dimensions)

Air cylinder characteristics

Bore (mm)	32, 40, 50, 63, 80, 100	
Fluid	Filtered compressed air (requires ISO-VG32 equivalent lubricant)	
Operating pressure (kgf/cm²)	0.5~9.9	
Operating temperature (°C)	0~+ 60	
Piston speed (m/s)	Maximum: 1	
Cushion length (mm)	Ø40	24
	Ø50, Ø63	26
	Ø80, Ø100	30
Cushion method	External adjustable cushion (cushion screw can be adjusted to its optimum status)	

Theoretical Force

Unit: kg

Bore (mm)	Rod (mm)	Action	Area (cm²)	Operating pressure (kgf/cm²)					
				3	4	5	6	7	8
32	12	Push	8.04	24	32	40	48	56	64
		Pull	6.91	21	27	34	41	48	55
40	16	Push	12.56	38	50	63	75	88	100
		Pull	10.56	32	42	53	63	74	84
50	20	Push	19.65	59	79	98	118	137	157
		Pull	16.49	49	66	82	99	115	132
63	20	Push	31.16	93	125	156	187	218	249
		Pull	28.02	84	112	140	168	196	224
80	25	Push	50.24	151	201	251	301	352	402
		Pull	45.34	136	181	227	272	317	363
100	25	Push	78.5	236	314	393	471	550	628
		Pull	71.4	214	286	357	428	500	571

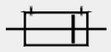
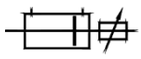
Cylinder selection guide

Determine the amount of force required for the application at both the push side (air injected via rear cover) or pull side (air injected via front cover).

On the Theoretical force table above:

- Select correct operating pressure (kgf/cm²)
- Select actual output (kg)
- Select correct cylinder bore according to area.

Cylinder types

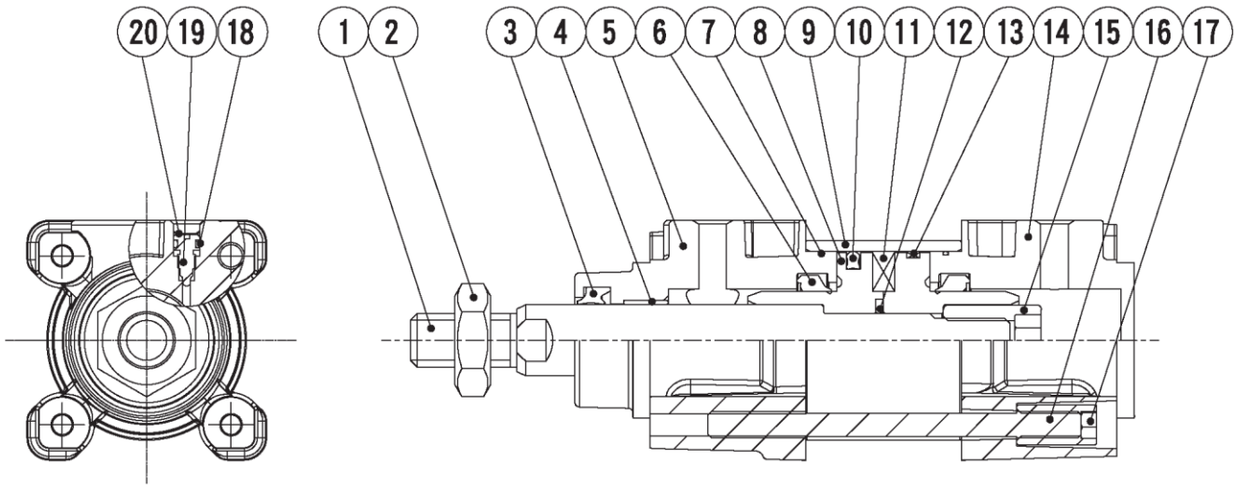
Cylinder type	Standard mark	Drawing	Cylinder with magnetic switch	Cylinder with Viton seal	Cylinder with bellows	Bore (mm)					
						32	40	50	63	80	100
Standard type, Single rod, Double acting, ISO 15552 Cylinder, with end-of-stroke cushioning	ACP-A		ACP-AG	ACP-AJ	ACP-AH	●	●	●	●	●	●
Standard type, Double rods, Double acting, ISO 15552 Cylinder, with end-of-stroke cushioning	ACP-C		ACP-CG	ACP-CJ	ACP-CH	●	●	●	●	●	●
Standard type, Double rods, Double acting, ISO 15552 Cylinder, with end-of-stroke cushioning & adjustable stroke	ACP-D		ACP-DG	ACP-DJ	ACP-DH	●	●	●	●	●	●
Non-rotating ISO 15552 Cylinder	ACP-R		See "Non-rotating rod air cylinder series" on P. 483 for details and dimensions								

Accessory weight table

Unit: g

Accessory / Bore	FB/FA	LB	CA	CB	TC	CBBK	TCBK	Y	TA/TB	KGT	PSH
32	226	126	183	164	156	180	278	88	278	114	76
40	272	174	253	208	468	255	470	147	470	142	114
50	487	258	401	384	766	45	470	335	470	552	200
63	664	474	638	569	1185	608	662	335	662	552	200
80	1588	776	1124	1053	1896	975	662	677	662	808	372
100	2337	1000	1754	1644	2460	1609	1194	677	1194	808	372

Internal structure and parts names



PN	Part Name	Quantity	PN	Part Name	Quantity
①	Rod	1	⑪	Magnet	1
②	Rod cap	1	⑫	Piston O-ring	1
③	Front cover seal	1	⑬	Piston wear resistant ring	1
④	Bushing	1	⑭	Rear cover	1
⑤	Front cover	1	⑮	Piston lock nut	1
⑥	Cushion seal	2	⑯	Securing rod	4
⑦	End cover O-ring	2	⑰	Securing rod nut	4
⑧	Piston	2	⑱	Cushion screw O-ring	2
⑨	Air cylinder tube	1	⑲	Cushion screw	2
⑩	Piston seal	1	⑳	Washer	2

Product weight table

Unit: g

Bore	32	40	50	63	80	100
Standard type with stroke ST=0	309	442	661	1066	1616	2546
Additional weight per every 50mm	100	100	200	200	300	300

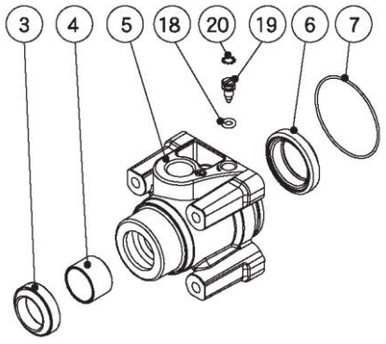
Parts weight table

Unit: g

Bore		32	40	50	63	80	100
Part name	★ Without seal						
Front cover kit		129	178	243	428	611	977
Rear cover kit		98	138	179	340	491	865
Piston kit		43	81	156	193	339	473

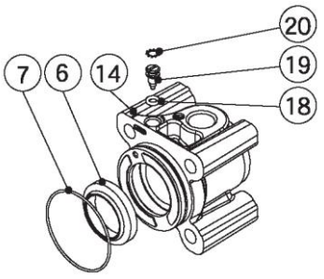
Rear cover kit

Mark	Part name	Quantity
③	Front cover seal	1
④	Bushing	1
⑤	Front cover	1
⑥	Cushion seal	1
⑦	End cover O-ring	1
⑱	Cushion screw O-ring	1
⑲	Cushion screw	1
⑳	Washer	1



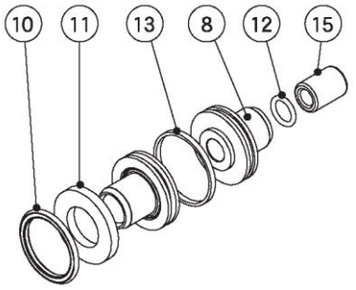
Rear cover kit

Mark	Part Name	Quantity
⑭	Rear cover	1
⑥	Cushion seal	1
⑦	End cover O-ring	1
⑱	Cushion screw O-ring	1
⑲	Cushion screw	1
⑳	Washer	1

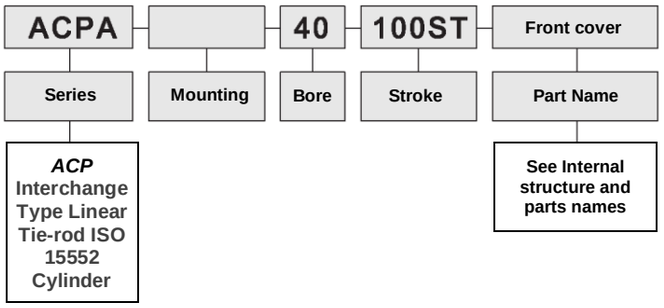


Piston kit

Mark	Part Name	Quantity
⑧	Piston	2
⑩	Piston seal	1
⑪	Sensing magnet	1
⑫	Piston internal O-ring	1
⑬	Piston wear resistant ring	1
⑮	Piston lock nut	1

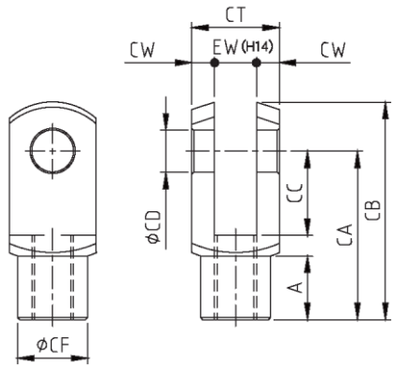


How to order



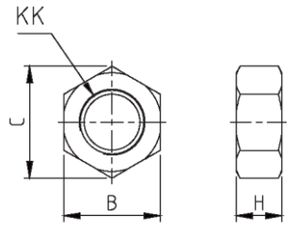
Accessory dimensions

● **Y connector**



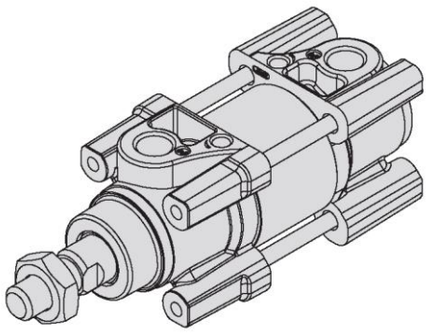
Mark / Bore	KK	CA	CB	CC	CD	A	CF	CT	CW	EW
32	M10×1.25	40	52	20	10	15	18	19	4.5	10
40	M12×1.25	48	62	24	12	18	20	25	6.5	12
50	M16×1.5	64	83	32	16	24	26	32	8	16
63	M16×1.5	64	83	32	16	24	26	32	8	16
80	M20×1.5	80	105	40	20	30	34	38	9	20
100	M20×1.5	80	105	40	20	30	34	38	9	20

● Nut



Mark / Bore	KK	C	B	H
32	M10×1.25	19	17	6
40	M12×1.25	22	19	7
50	M16×1.5	27	24	8
63	M16×1.5	27	24	8
80	M20×1.5	34	30	9
100	M20×1.5	34	30	9

ACPA Standard type, Single rod, Double acting cylinder w/cushion



- Aluminum front and rear cover
- Standard model comes with end of stroke cushioning
- Optional sensing magnet and magnetic switch
- ISO15552 compliant air cylinder.
- External dimensions compatible with S brand.
- Square aluminum tube.

Product standard stroke

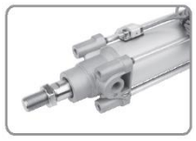
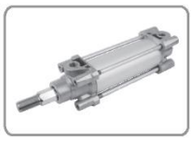
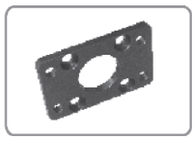
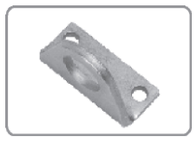
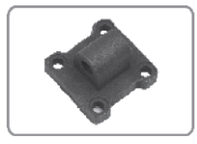
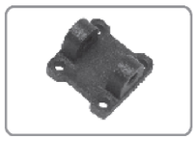
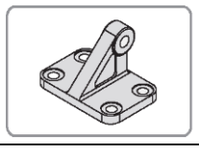
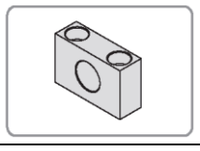
Bore (mm)	Standard stroke(mm)
32	50, 75, 100, 125, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 950, 1000
40	
50	
63	
80	
100	

How to order

ACPA		SD	40	100ST			T×n
Series	**Options**	**Mounting**	**Bore**	**Stroke**	**Seat**	**Rod end connector**	**Magnetic switch**
ACP **Interchange Type Linear Tie-rod ISO 15552 Cylinder**	Blank: Standard product (without magnet) G: With magnet H: With bellows J: With heat-, acid- and alkali resistant VITON seals Note: 1. Standard operating temperature 0°C~+60°C 2. VITON seal operating temperature: -10°C ~+120°C	SD: Standard FA: Front rod end flange FB: Rear rod end flange LB: Rod end angle flange CA: Male head end clevis CB: Female head end clevis TA: Front end flange TB: Rear end flange	32:32mm 40:40mm 50:50mm 63:63mm 80:80mm 100:100mm	See product standard stroke	CBBK: Angled head end clevis TCBK: Center trunnion	Y: Y connector with pin I: I connector PIN: Pin PHS: Bearing KGT: Floating joint	Specification: JFS01 T: 2x standard 2m wires P: PNP, 3 x standard 2m wires N: NPN, 3 x standard 2m wires n: quantity Note: orders with "G" mark rather than "Txn"= cylinder with sensing magnet instead of magnetic switch

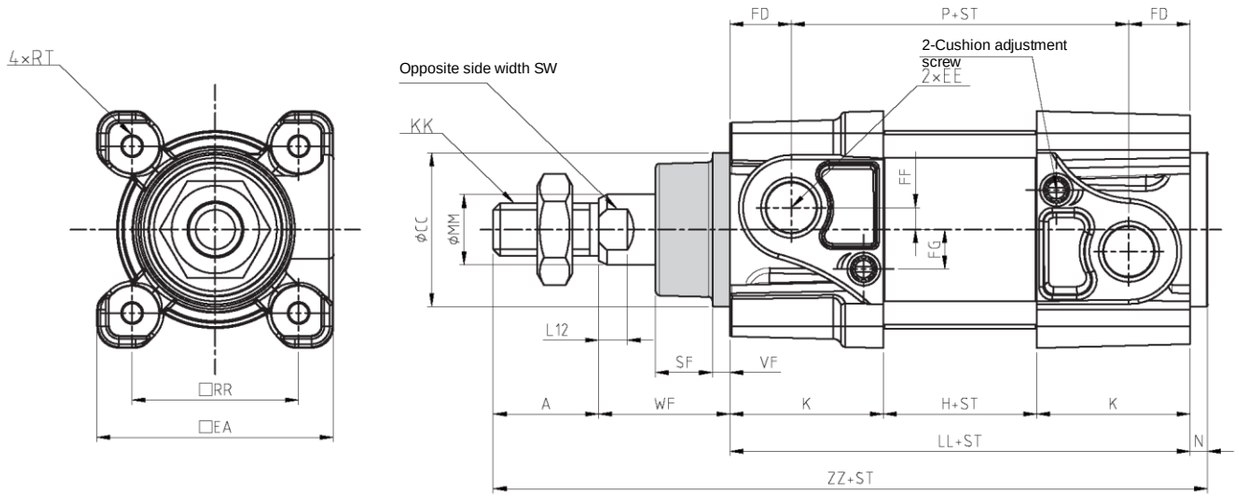
⚠ Blank: Standard product: special remarks not required when placing orders

Parts order codes

Options	G: With magnet 	H: With bellows 
Mounting	SD: Standard 	FA/FB: Front/Rear rod end flange 
	LB: Rod end angle flange 	CA: Male head end clevis 
	CB: Female head end clevis 	
	TA: Front trunnion type 	TB: Rear trunnion type 
Connection seat	CBBK: Angled head end clevis 	TCBK: Trunnion 
Rod end connector	Y: Y connector 	I: I connector 
	PIN: Pin 	KGT: Floating joint 
	PHS: Bearing 	
Magnetic switch	JFS-01 	JFS-01 (mounting bracket) 

External dimensions

● **ACPA-SD Standard**

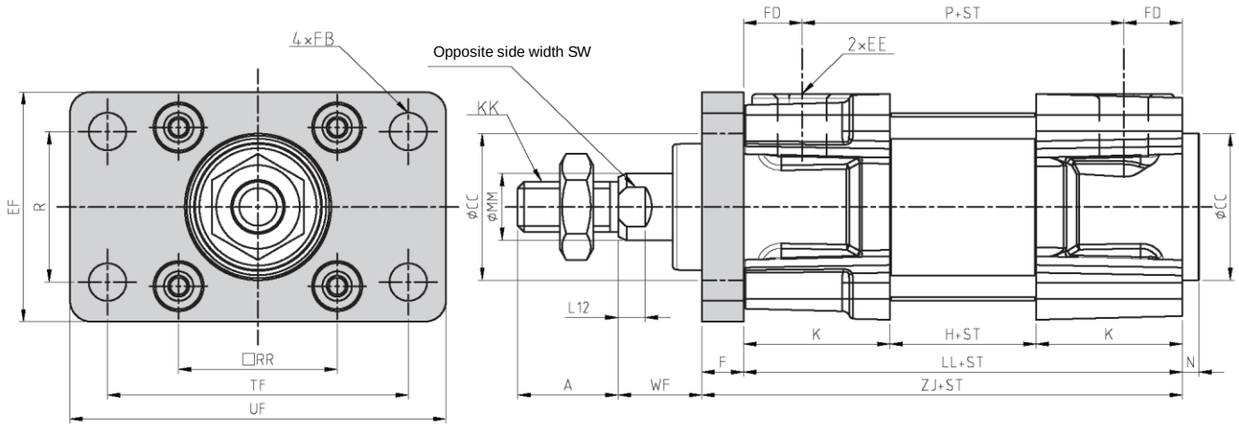


Bore \ Mark	A	CC	MM	EA	K	H	SF	LL	L12	FD	RT	SW	N	VF	KK	FF	EE
32	22	30	12	47	30	34	11	94	7	13	M6×1.0	10	4	4	M10×12.5	4	G1/8
40	24	35	16	54	35	35	13	105	8	14	M6×1.0	13	4	4	M12×1.25	5	G1/4
50	32	40	20	66	35	36	20	106	8	14	M8×1.25	17	4	4	M16×1.5	6	G1/4
63	32	45	20	77	42	37	20	121	8	16	M8×1.25	17	4	4	M16×1.5	9	G3/8
80	40	45	25	99	42.5	43	26	128	n	16	M10×1.5	22	4	4	M20×1.5	11.5	G3/8
100	40	55	25	118	47	44	28	138	n	18	M10×1.5	22	4	4	M20×1.5	17	G1/2

Bore \ Mark	FG	WF	ZZ	P	RR
32	7	26	146	68	32.5
40	8.9	30	163	77	38
50	5.1	37	179	78	46.5
63	6.3	37	194	89	56.5
80	6	46	218	96	72
100	10	51	233	102	89

External dimensions

● **ACPA-FA Front flange type**

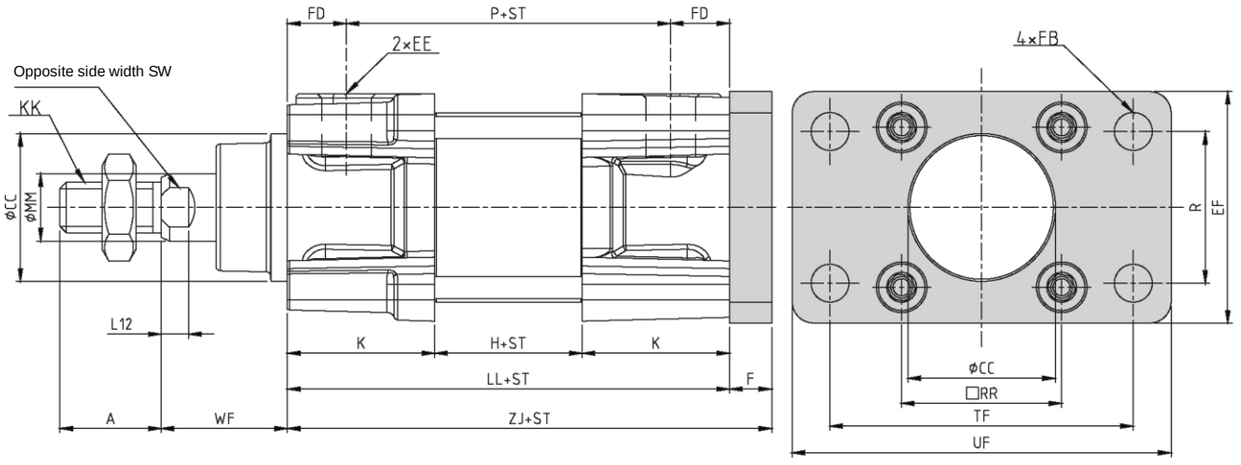


Bore \ Mark	A	CC	MM	K	H	LL	L12	FD	SW	N	EE	R	EF	KK	UF	TF
32	22	30	12	30	34	94	7	13	10	4	G1/8	32	50	M10×12.5	80	64
40	24	35	16	35	35	105	8	14	13	4	G1/4	36	55	M12×1.25	90	72
50	32	40	20	35	36	106	8	14	17	4	G1/4	45	65	M16×1.5	110	90
63	32	45	20	42	37	121	8	16	17	4	G3/8	50	75	M16×1.5	125	100
80	40	45	25	42.5	43	128	11	16	22	4	G3/8	63	100	M20×1.5	154	126
100	40	55	25	47	44	138	11	18	22	4	G1/2	75	120	M20×1.5	186	150

Bore \ Mark	F	WF	ZJ	P	RR	FB
32	10	26	104	68	32.5	7
40	10	30	115	77	38	9
50	12	37	118	78	46.5	9
63	12	37	133	89	56.5	9
80	16	46	144	96	72	12
100	16	51	154	102	89	14

External dimensions

● **ACPA-FB Rear flange type**

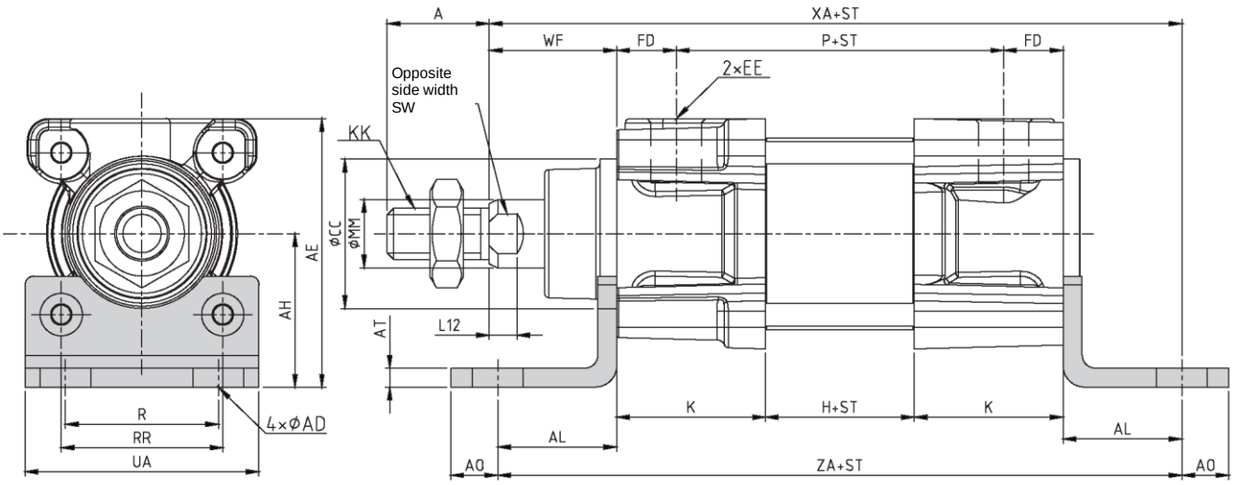


Mark / Bore	A	CC	MM	K	H	LL	L12	FD	SW	FB	EE	R	EF	KK	UF	TF
32	22	30	12	30	34	94	7	13	10	7	G1/8	32	50	M10×12.5	80	64
40	24	35	16	35	35	105	8	14	13	9	G1/4	36	55	M12×1.25	90	72
50	32	40	20	35	36	106	8	14	17	9	G1/4	45	65	M16×1.5	110	90
63	32	45	20	42	37	121	8	16	17	9	G3/8	50	75	M16×1.5	125	100
80	40	45	25	42.5	43	128	11	16	22	12	G3/8	63	100	M20×1.5	154	126
100	40	55	25	47	44	138	11	18	22	14	G1/2	75	120	M20×1.5	186	150

Mark / Bore	F	WF	ZJ	P	RR
32	10	26	104	68	32.5
40	10	30	115	77	38
50	12	37	118	78	46.5
63	12	37	133	89	56.5
80	16	46	144	96	72
100	16	51	154	102	89

External dimensions

● **ACPA-LB End angle flange type**

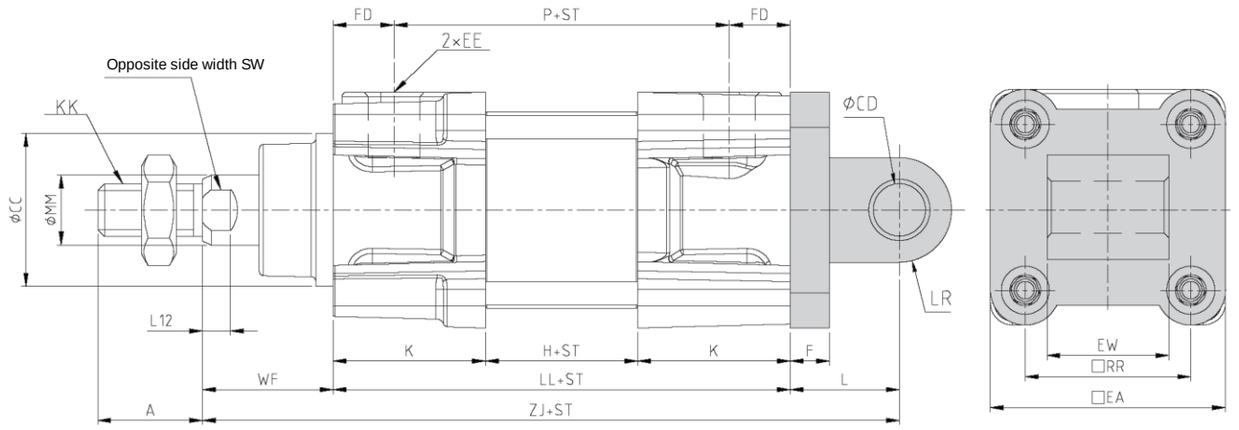


Bore \ Mark	A	CC	MM	K	H	L12	FD	SW	EE	R	WF	P	RR	KK	XA	ZA
32	22	30	12	30	34	7	13	10	G1/8	32	26	68	32.5	M10×12.5	146	146
40	24	35	16	35	35	8	14	13	G1/4	36	30	77	38	M12×1.25	163	161
50	32	40	20	35	36	8	14	17	G1/4	45	37	78	46.5	M16×1.5	175	170
63	32	45	20	42	37	8	16	17	G3/8	50	37	89	56.5	M16×1.5	190	185
80	40	45	25	42.5	43	11	16	22	G3/8	63	46	96	72	M20×1.5	215	210
100	40	55	25	47	44	11	18	22	G1/2	75	51	102	89	M20×1.5	230	220

Bore \ Mark	AO	AD	AH	AE	AL	AT	UA
32	9	7	32	55.5	26	4	46
40	9	10	36	63	28	4	54
50	10	10	45	78	32	4	64
63	13	10	50	88.5	32	4	75
80	15	12	63	112.5	41	4.5	93
100	18	14.5	71	130	41	4.5	110

External dimensions

● **ACPA-CA Male head end clevis type**

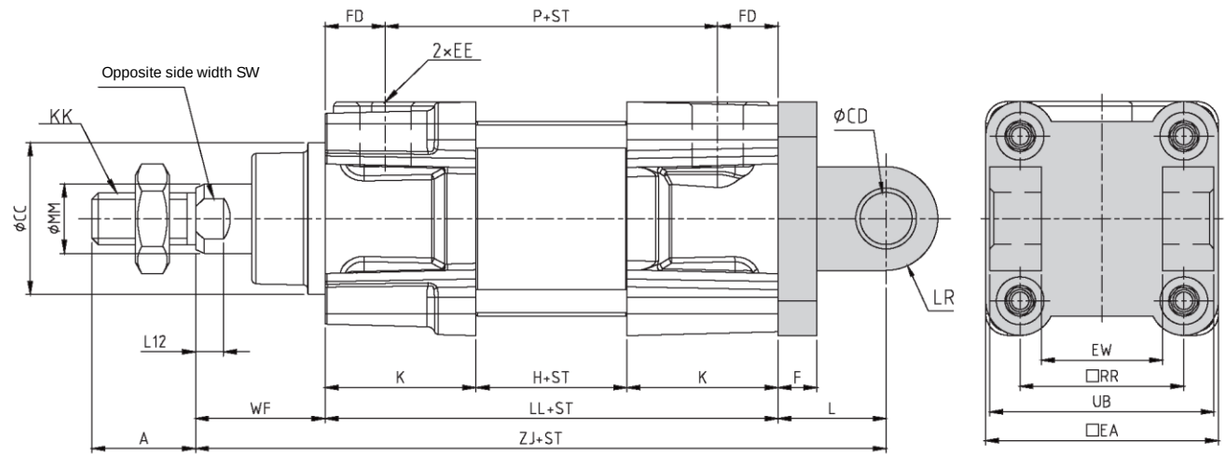


Mark / Bore	A	CC	MM	EA	K	H	EW	LL	L12	FD	RR	L	SW	CD	LR	KK	F	EE
32	22	30	12	47	30	34	26	94	7	13	32.5	22	10	10	R10	M10×12.5	9	G1/8
40	24	35	16	54	35	35	28	105	8	14	38	25	13	12	R12	M12×1.25	9	G1/4
50	32	40	20	66	35	36	32	106	8	14	46.5	27	17	12	R13	M16×1.5	11	G1/4
63	32	45	20	77	42	37	40	121	8	16	56.5	32	17	16	R16	M16×1.5	11	G3/8
80	40	45	25	99	42.5	43	50	128	11	16	72	36	22	16	R16	M20×1.5	14	G3/8
100	40	55	25	118	47	44	60	138	11	18	89	41	22	20	R20	M20×1.5	14	G1/2

Mark / Bore	WF	ZJ	P
32	26	142	68
40	30	160	77
50	37	170	78
63	37	190	89
80	46	210	96
100	51	230	102

External dimensions

● **ACPA-CB Female head end clevis type**

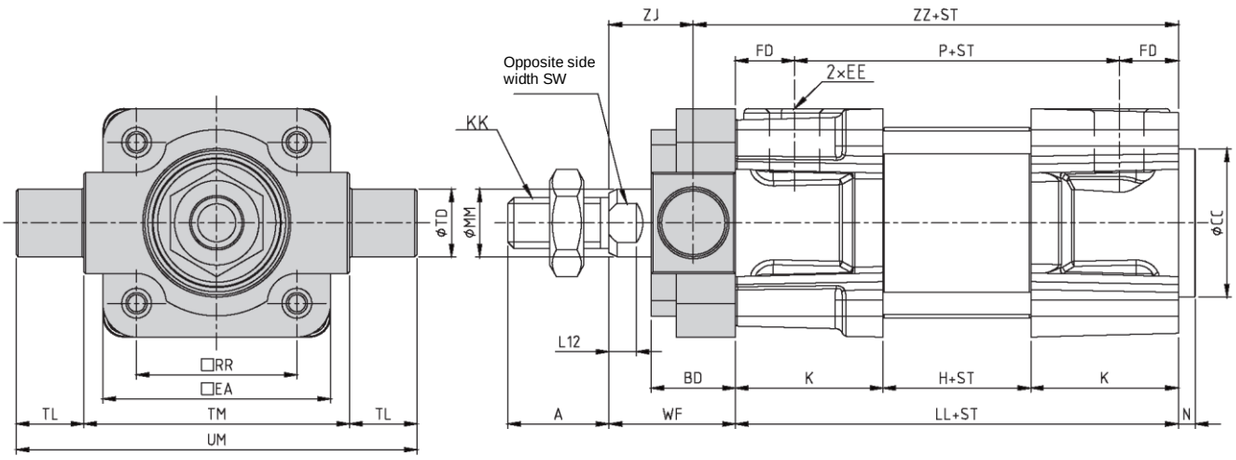


Mark / Bore	A	CC	MM	EA	K	H	EW	LL	L12	FD	RR	L	SW	CD	LR	KK	F	EE
32	22	30	12	47	30	34	26	94	7	13	32.5	22	10	10	R10	M10×12.5	9	G1/8
40	24	35	16	54	35	35	28	105	8	14	38	25	13	12	R12	M12×1.25	9	G1/4
50	32	40	20	66	35	36	32	106	8	14	46.5	27	17	12	R13	M16×1.5	11	G1/4
63	32	45	20	77	42	37	40	121	8	16	56.5	32	17	16	R16	M16×1.5	11	G3/8
80	40	45	25	99	42.5	43	50	128	11	16	72	36	22	16	R16	M20×1.5	14	G3/8
100	40	55	25	118	47	44	60	138	11	18	89	41	22	20	R20	M20×1.5	14	G1/2

Mark / Bore	WF	ZJ	P	UB
32	26	142	68	45
40	30	160	77	52
50	37	170	78	60
63	37	190	89	70
80	46	210	96	90
100	51	230	102	110

External dimensions

● **ACPA-TA Front trunnion type**

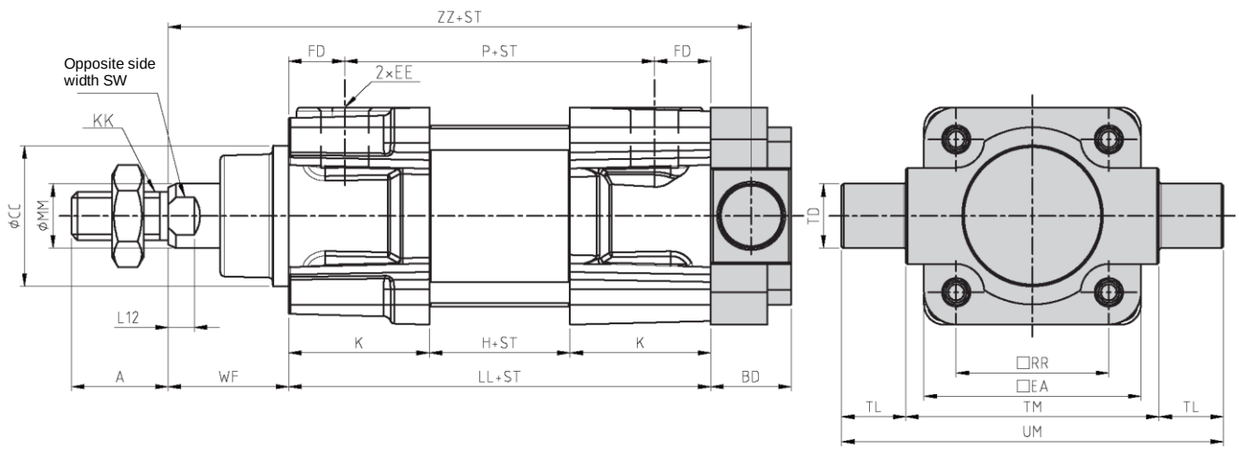


Bore \ Mark	A	CC	MM	EA	K	H	TM	LL	L12	FD	RR	TL	SW	WF	N	KK	BD	EE
32	22	30	12	47	30	34	50	94	7	13	32.5	12	10	26	4	M10×12.5	16	G1/8
40	24	35	16	54	35	35	63	105	8	14	38	16	13	30	4	M12×1.25	20	G1/4
50	32	40	20	66	35	36	75	106	8	14	46.5	16	17	37	4	M16×1.5	24	G1/4
63	32	45	20	77	42	37	90	121	8	16	56.5	20	17	37	4	M16×1.5	24	G3/8
80	40	45	25	99	42.5	43	110	128	11	16	72	20	22	46	4	M20×1.5	28	G3/8
100	40	55	25	118	47	44	132	138	11	18	89	25	22	51	4	M20×1.5	38	G1/2

Bore \ Mark	WF	ZJ	P	UM	ZZ
32	26	142	68	74	102
40	30	160	77	95	115
50	37	170	78	107	118
63	37	190	89	130	133
80	46	210	96	150	142
100	51	230	102	182	157

External dimensions

● **ACPA-TB Rear trunnion type**

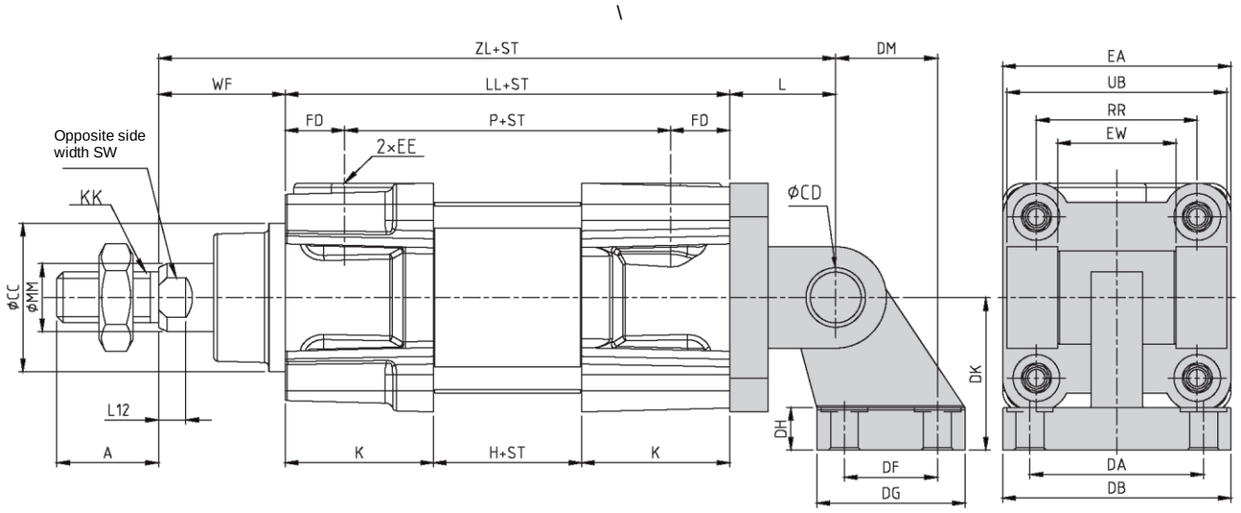


Bore \ Mark	A	CC	MM	EE	K	H	KK	LL	L12	FD	RR	EA	TM	TL	UM	TD	SW	P
32	22	30	12	G1/8	30	34	M10×12.5	94	7	13	32.5	47	50	12	74	12	10	68
40	24	35	16	G1/4	35	35	M12×1.25	105	8	14	38	54	63	16	95	16	13	77
50	32	40	20	G1/4	35	36	M16×1.5	106	8	14	46.5	66	75	16	107	16	17	78
63	32	45	20	G3/8	42	37	M16×1.5	121	8	16	56.5	77	90	20	130	20	17	89
80	40	45	25	G3/8	42.5	43	M20×1.5	128	11	16	72	99	110	20	150	20	22	96
100	40	55	25	G1/2	47	44	M20×1.5	138	11	18	89	118	132	25	182	25	22	102

Bore \ Mark	WF	BD	ZZ
32	26	16	128
40	30	20	145
50	37	24	155
63	37	24	170
80	46	28	188
100	51	38	208

External dimensions

● **ACPA-CBB Angled head end clevis**

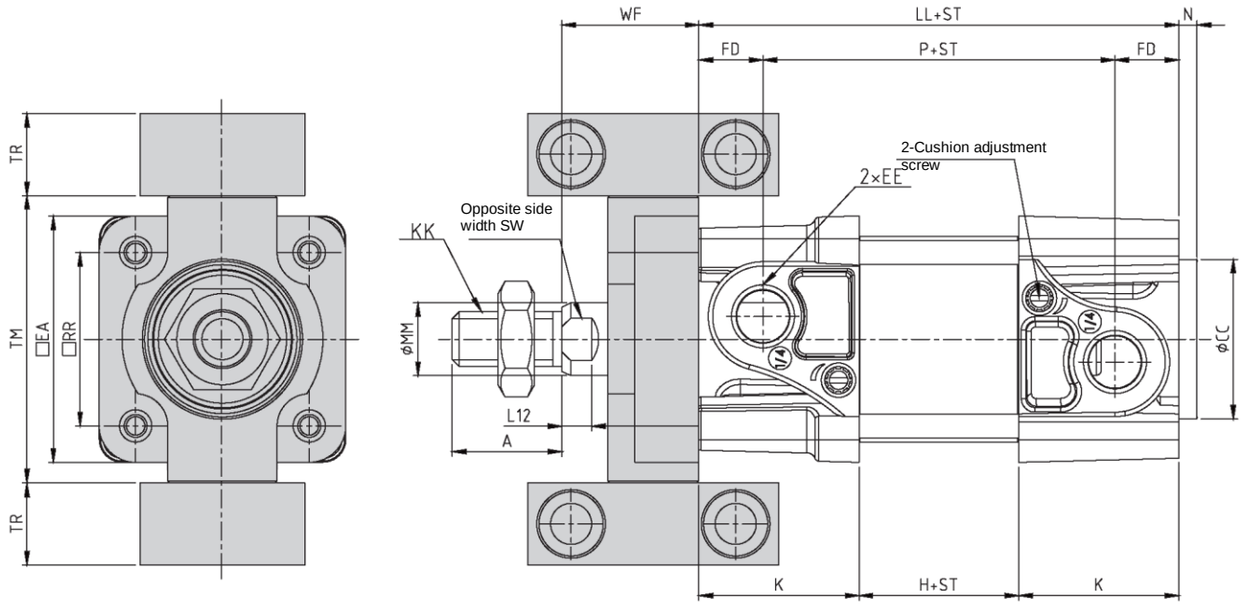


Mark / Bore	A	CC	MM	EE	K	H	KK	LL	L12	FD	RR	EA	ZI	SW	WF	P	DA	DB
32	22	30	12	G1/8	30	34	M10×12.5	94	7	13	32.5	47	142	10	26	68	38	51
40	24	35	16	G1/4	35	35	M12×1.25	105	8	14	38	54	160	13	30	77	41	54
50	32	40	20	G1/4	35	36	M16×1.5	106	8	14	46.5	66	170	17	37	78	50	65
63	32	45	20	G3/8	42	37	M16×1.5	121	8	16	56.5	77	190	17	37	89	52	67
80	40	45	25	G3/8	42.5	43	M20×1.5	128	11	16	72	99	210	22	46	96	66	86
100	40	55	25	G1/2	47	44	M20×1.5	138	11	18	89	118	230	22	51	102	76	96

Mark / Bore	DF	DG	DH	DK	DM	UB	EW	CD	L
32	18	31	8	32	21	45	26	10	22
40	22	35	10	36	24	52	28	12	25
50	30	45	12	45	33	60	32	12	27
63	35	50	12	50	37	70	40	16	32
80	40	60	14	63	47	90	50	16	36
100	50	70	15	71	55	110	60	20	41

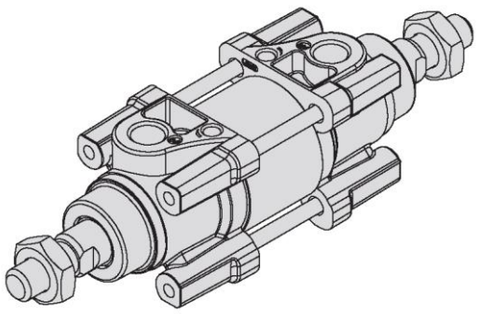
External dimensions

● **ACPA-TA-BK Front trunnion connection seat**



Mark / Bore	A	CC	MM	EE	K	H	KK	LL	L12	FD	RR	EA	TM	SW	WF	P	N	TR
32	22	30	12	G1/8	30	34	M10×12.5	94	7	13	32.5	47	50	10	26	68	4	15
40	24	35	16	G1/4	35	35	M12×1.25	105	8	14	38	54	63	13	30	77	4	18
50	32	40	20	G1/4	35	36	M16×1.5	106	8	14	46.5	66	75	17	37	78	4	18
63	32	45	20	G3/8	42	37	M16×1.5	121	8	16	56.5	77	90	17	37	89	4	20
80	40	45	25	G3/8	42.5	43	M20×1.5	128	11	16	72	99	110	22	46	96	4	20
100	40	55	25	G1/2	47	44	M20×1.5	138	11	18	89	118	132	22	51	102	4	25

ACPC Standard type, Double rods, Double acting cylinder w/cushion



- Aluminum front and rear cover
- Standard model comes with end of stroke cushioning
- Optional sensing magnet and magnetic switch
- ISO15552 compliant air cylinder.
- External dimensions compatible with S brand.
- Round aluminum tube.

Product standard stroke

Bore (mm)	Standard stroke(mm)
32	50, 75, 100, 125, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 950, 1000
40	
50	
63	
80	
100	

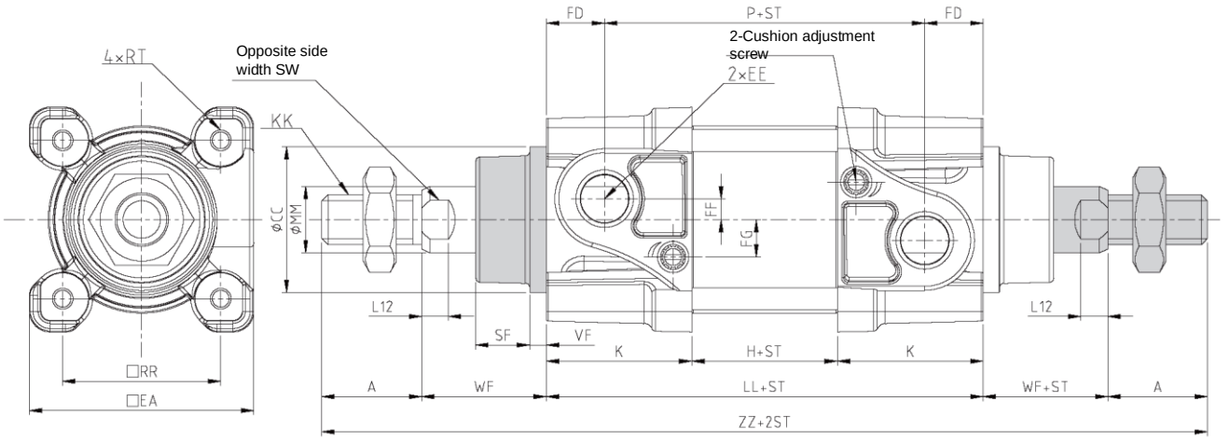
How to order

ACPC		SD	40	100ST			T×n
Series	Options	Mounting	Bore	Stroke	Seat	Rod end connector	Magnetic switch
ACP Interchange Type Linear Tie-rod ISO 15552 Cylinder	Blank: Standard product (without magnet) G: With magnet H: With bellows J: With heat-, acid- and alkali resistant VITON seals Note: 1. Standard operating temperature 0°C~+60°C 2. VITON seal operating temperature: -10°C ~+120°C	SD: Standard FA: Front rod end flange FB: Rear rod end flange LB: Rod end angle flange CA: Male head end clevis CB: Female head end clevis TA: Front trunnion type TB: Rear trunnion type	32:32mm 40:40mm 50:50mm 63:63mm 80:80mm 100:100mm	See product standard Stroke	CBBK: Angled head end clevis seat TCBK: Center trunnion	Y: Y connector with pin I: I connector PIN: Pin PHS: Bearing KGT: Floating joint	Specification: JFS01 T: 2x standard 2m wires P: PNP, 3 x standard 2m wires N: NPN, 3 x standard 2m wires n: quantity Note: orders with "G" mark rather than "Txn"= cylinder with sensing magnet instead of magnetic switch JFS01 

⚠ Blank: standard product: special remarks not required when placing orders

External dimensions

● **ACPC-SD Standard type**

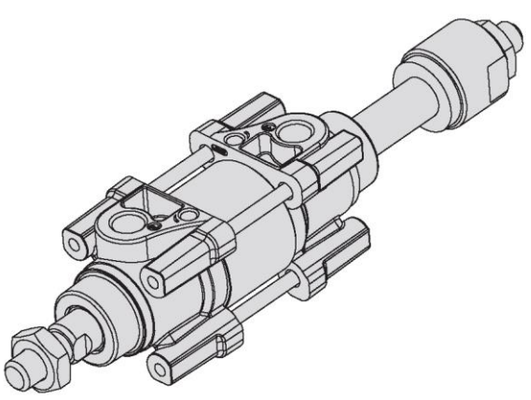


Bore \ Mark	A	CC	MM	EA	EE	K	H	KK	SF	LL	L12	FD	RR	SW	VF	FF	FG	WF
32	22	30	12	47	G1/8	30	34	M10×12.5	11	94	7	13	32.5	10	4	4	7	26
40	24	35	16	54	G1/4	35	35	M12×1.25	13	105	8	14	38	13	4	5	8.9	30
50	32	40	20	66	G1/4	35	36	M16×1.5	20	106	8	14	46.5	17	4	6	5.1	37
63	32	45	20	77	G3/8	42	37	M16×1.5	20	121	8	16	56.5	17	4	9	6.3	37
80	40	45	25	99	G3/8	42.5	43	M20×1.5	26	128	11	16	72	22	4	11.5	6	46
100	40	55	25	118	G1/2	47	44	M20×1.5	28	138	11	18	89	22	4	17	10	51

Bore \ Mark	ZZ	P	RT
32	190	68	M6×1.0
40	213	77	M6×1.0
50	244	78	M8×1.25
63	259	89	M8×1.25
80	300	96	M10×1.5
100	320	102	M10×1.5

⚠ Note: see ACPA Standard type, Single rod, Double acting cylinder w/cushion on P.196~P.173 for other accessory external dimensions

ACPD Double rods, Double acting cylinder with adjustable stroke



- Aluminum front and rear cover
- Standard model comes with end of stroke cushioning
- Optional sensing magnet and magnetic switch
- ISO15552 compliant air cylinder .
- External dimensions compatible with S brand.
- Round aluminum tube.

Product standard stroke

Bore (mm)	Standard stroke(mm)
32	50, 75, 100, 125, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 950, 1000
40	
50	
63	
80	
100	

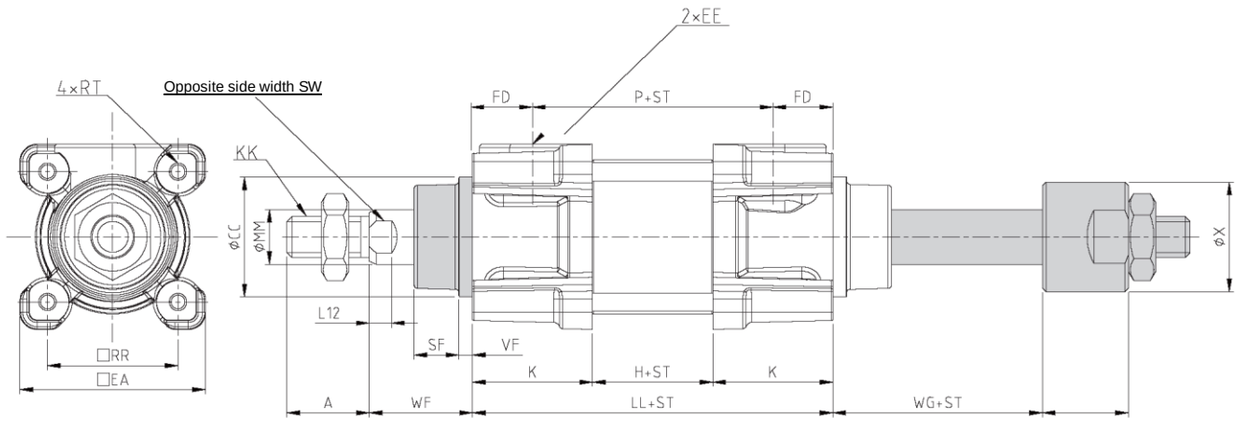
How to order

ACPD		SD	40	100ST			T × n
Series	**Options**	**Mounting**	**Bore**	**Stroke**	**Seat**	**Rod end connector**	**Magnetic switch**
ACP **Interchange Type Linear Tie-rod ISO 1552 Cylinder**	Blank: Standard product (without magnet) G: With magnet H: With bellows J: With heat-, acid- and alkali resistant VITON seals Note: 1. Standard operating temperature 0°C~+60°C 2. VITON seal operating temperature: -10°C ~+120°C	SD: Standard FA: Front rod end flange FB: Rear rod end flange LB: Rod end angle flange CA: Male head end clevis CB: Female head end clevis TA: Front trunnion type TB: Rear trunnion type	32:32mm 40:40mm 50:50mm 63:63mm 80:80mm 100:100mm	See product standard Stroke	CBBK: Angled head end clevis seat TCBK: Center trunnion	Y: Y connector with pin I: I connector PIN: Pin PHS: Bearing KGT: Floating joint	Specifications: JFS01 T: 2x standard 2m wires P: PNP, 3 x standard 2m wires N: NPN, 3 x standard 2m wires n: quantity Note: orders with "G" mark rather than "Txn"= cylinder with sensing magnet instead of magnetic switch JFS01

⚠ Blank: standard product, special remarks not required when placing orders

External dimensions

● **ACPD-SD Standard type**

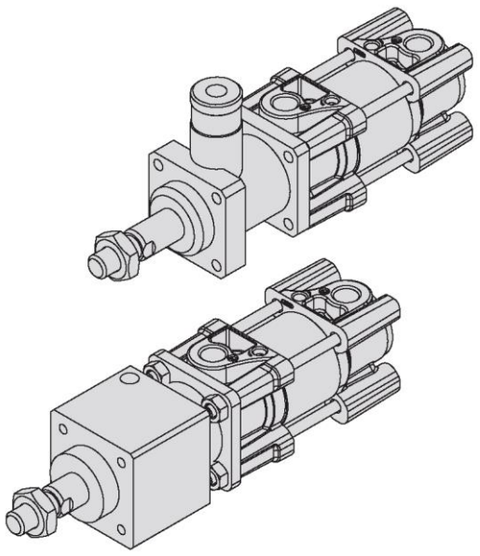


Mark / Bore	A	CC	MM	EA	EE	K	H	KK	SF	LL	L12	FD	RR	SW	VF	FF	FG	WG
32	22	30	12	47	G1/8	30	34	M10×12.5	11	94	7	13	32.5	10	4	4	7	15
40	24	35	16	54	G1/4	35	35	M12×1.25	13	105	8	14	38	13	4	5	8.9	17
50	32	40	20	66	G1/4	35	36	M16×1.5	20	106	8	14	46.5	17	4	6	5.1	24
63	32	45	20	77	G3/8	42	37	M16×1.5	20	121	8	16	56.5	17	4	9	6.3	24
80	40	45	25	99	G3/8	42.5	43	M20×1.5	26	128	11	16	72	22	4	11.5	6	26
100	40	55	25	118	G1/2	47	44	M20×1.5	28	138	11	18	89	22	4	17	10	28

Mark / Bore	D	WF	RT	P	X
32	25	26	M6×1.0	68	35
40	28	30	M6×1.0	77	40
50	34	37	M8×1.25	78	45
63	34	37	M8×1.25	89	45
80	42	46	M10×1.5	96	50
100	42	51	M10×1.5	102	50

⚠ Note: see ACPA Standard type, Single rod, Double acting cylinder w/cushion on P.187~P.196 for other accessory external dimensions

ACPH Single rod, Double acting, Rod locking cylinder



- Aluminum front and rear cover
- Standard model comes with end of stroke cushioning
- Optional sensing magnet and magnetic switch
- ISO15552 compliant air cylinder.
- External dimension compatible with S brand.
- Round aluminum tube.

Product standard stroke

Bore (mm)	Standard stroke(mm)
32	50, 75, 100, 125, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 950, 1000
40	
50	
63	
80	
100	

How to order

ACPH	A	40
Series	Lock operation	Bore
Single rod, Double acting, Rod locking cylinder	A:AIR P:PENUMAX	

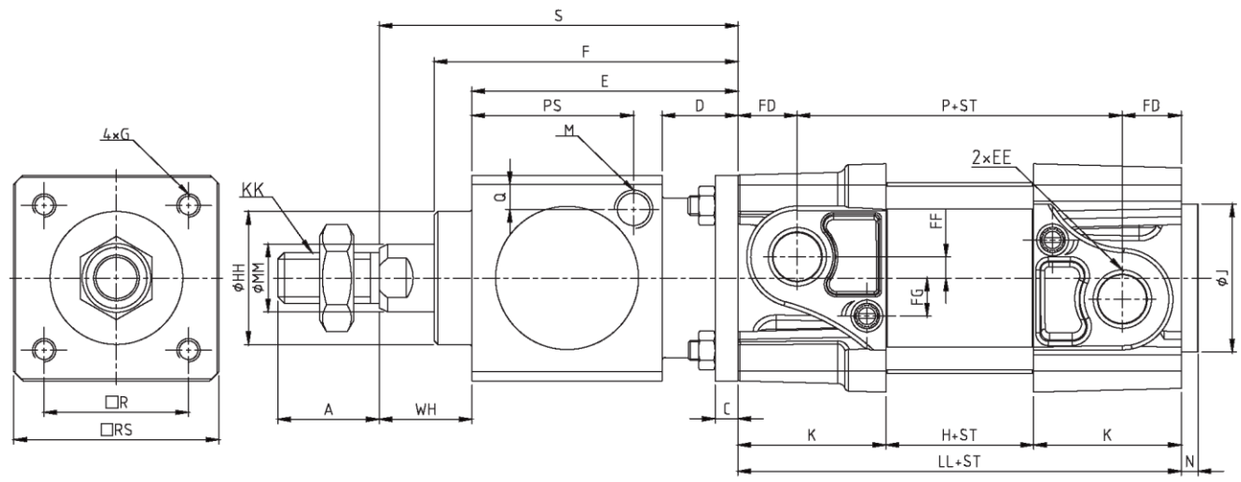
How to order

ACPH	A		SD	40	100ST			T×n
Series	Lock operation	Options	Mounting	Bore	Stroke	Seat	Rod end connector	Magnetic switch
ACP Interchange Type Linear Tie-rod ISO 1552 Cylinder	A:AIR P:PNEUMAX	Blank: Standard product (without magnet) G: With magnet H: With bellows J: With heat-, acid- and alkali resistant VITON seals Note: 1. Standard operating temperature 0°C~+60°C 2. VITON seal operating temperature: -10°C ~+120°C	SD: Standard FA: Front rod end flange FB: Rear rod end flange LB: Rod end angle flange CA: Male head end clevis CB: Female head end clevis TA: Front trunnion type TB: Rear trunnion type	32:32mm 40:40mm 50:50mm 63:63mm 80:80mm 100:100mm	See product standard Stroke	CBBK: Angled head end clevis seat TCBK: Center trunnion	Y: Y connector with pin I: I connector PIN: Pin PHS: Bearing KGT: Floating joint	Specifications: JFS01 T: 2x standard 2m wires P: PNP, 3 x standard 2m wires N: NPN, 3 x standard 2m wires n: quantity Note: orders with "G" mark rather than "Txn"= cylinder with sensing magnet instead of magnetic switch JFS01 

⚠ Blank: standard product, special remarks not required when placing orders

External dimensions

● **ACPH-A-SD Standard type**



Mark / Bore	A	HH	MM	R	RS	WH	KK	G	C	S	F	E	PS	Q	M	D	FD
32	22	30	12	32.5	20	26	M10×12.5	M6×8L	6	86	67.5	60	33.25	9	G1/8	20	13
40	24	34.9	16	38	20	30	M12×1.25	M6×8L	6	100	80	70	42.5	9	G1/8	20	14
50	32	40	20	46.5	24	37	M16×1.5	M8×12L	8	127	100	90	58	12.5	G1/8	24	14
63	32	45	20	56.5	24	37	M16×1.5	M8×12L	8	127	100	90	59	17.5	G1/8	24	16
80	40	45	25	72	32	46	M20×1.5	M10×16L	12	156	120	110	69	17.5	G1/4	32	16
100	40	55	25	89	32	51	M20×1.5	M10×16L	12	161	120	110	69	20	G1/4	32	18

Mark / Bore	P	EE	FG	FF	K	J	H	LL	N
32	68	G1/8	7	4	30	30	34	94	4
40	77	G1/4	8.9	5	35	35	35	105	4
50	78	G1/4	5.1	6	35	40	36	106	4
63	89	G3/8	6.3	9	42	45	37	121	4
80	96	G3/8	6	11.5	42.5	45	43	128	4
100	102	G1/2	10	17	47	55	44	138	4

⚠ Note: see ACPA Standard type, Single rod, Double acting cylinder w/cushion on P.187~P.196 for other accessory external dimensions