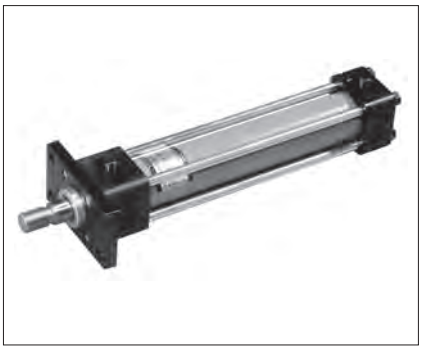
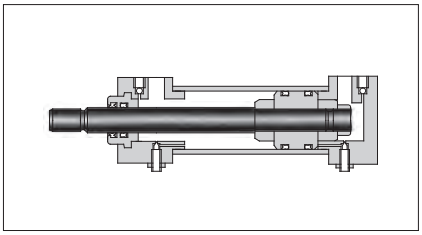
"CJT 3.5 MPa" Series Hydraulic Cylinders

YUKEN's "CJT 3.5 MPa" Series Hydraulic Cylinders are provided with many mounting types so that they can be used for wide use of general purpose industrial machines such as machine tools.
Moreover, Switch-Set "CJT" Series Hydraulic Cylinders with a proximity switch which facilitates detecting a position with a slide proximity switch on the cylinder body is also available.
(Refer to page J-69 for details.)



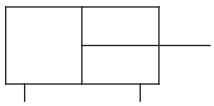


Specifications

Model Numbers			CJT35–＊＊＊＊＊–＊＊＊–30
Cylinder Bore mm			32, 40, 50, 63, 80 100, 125, 160
Mounting Type			SD, LA, LB, FA, FB, CA, CB, TA, TC
Nominal Pressure ★1			3.5 MPa
Maximum Allowable Pressure ★1			4.5 MPa
Proof Test Pressure ★1			5.0 MPa
Minimum Working Pressure			0.2 MPa
Operating Maximum Speed			300 mm/s
Operating Minimum Speed			8 mm/s
Maximum Stroke ★2 mm	Cylinder Bore	32	1000
		40	1000
		50, 63	1200
		80	1600
		100	1600
		125, 160	1800
Tolerance of Stroke			Refer to the table "Tolerance of Stroke" ★3
Tolerance of Thread			JIS B 0211–6g(JIS grade 2 or equivalence)
Ambient Temperature Range			–10 - +80°C
Applicable Standard			Compliant with former JIS B8354

★1. See page J-7 for definition of pressure terms.
★2. May be limited to even lower value in accordance with the buckling strength.
Refer to page J-10 for strokes above buckling strength.

Graphic Symbol



★3. Tolerance of Stroke

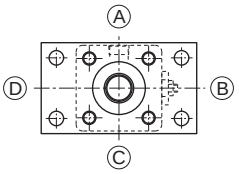
Stroke mm		Tolerance mm
	100 or less	$^{+0.8}_{0}$
More than	100 to 250	$^{+1.0}_{0}$
More than	250 to 630	$^{+1.25}_{0}$
More than	630 to 1000	$^{+1.4}_{0}$
More than	1000 to 1600	$^{+1.6}_{0}$
More than	1600 to 2000	$^{+1.8}_{0}$

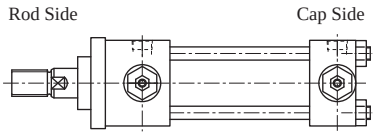
Model Number Designation

F−	CJT35	−LB	32	S	100	B	−A	B	D	−K	−30
Packing Material	Series Number	Mounting Type	Cylinder Bore mm	Rod Size	Cylinder Stroke mm	Cushion Type	Port Position ★1	Cushion Adj. Valve Position ★1	Air Vent Valve Position ★1	Options ★2	Design Number
None : Nitrile Rubber (standard) F : Fluoro Rubber 6 : Hydrogenated Nitrile Rubber	CJT35 : 3.5 MPa Series Standard Cylinder	SD, LA LB, FA FB, CA CB, TA TC	32, 40 50, 63 80, 100 125, 160	S : Special	Cylinder Stroke	B : With Cushion on Both ends R : With Cushion on the Rod side H : With Cushion on the Cap side N : Without Cushion	(Viewed from Rod End) A : Upper (Standard) B : Right C : Under D : Left	B : Right (Standard) A : Upper C : Under D : Left N : No Cushion adj. valve (Standard)	D : Left (Standard) A : Upper B : Right C : Under	F : With Dust Cover (Material: Nylon Tarpaulin, Heat resistant up to 80°C) G : With Dust Cover (Material: Chloroprene , Heat resistant up to 130°C) H : With Dust Cover (Material: Conex, Heat resistant up to 200°C) K : With Lock Nut (Std.) L : With T-End (Rod End Eye) M : With Y-End (Rod End Clevis)	30

★1. As for each direction of port, cushion adj. valve & air vent valve, please select from ⒶⒷⒸⒹ viewed from rod end(see the figure on the right).
<Standard directions>
Port : Ⓐ, Cusion Adjusting Valve : Ⓑ, Air Vent Valve : Ⓓ
Note : The direction of port and cushion adj.valve is not available to be the same direction. However, the other combinations are available.

★2. Using the options in combination is available.
Please specify the option code in the alphabet.
Ex. FKL





Mounting Type

Code	Name	Illustration of Mounting Type	Code	Name	Illustration of Mounting Type
SD	Basic Type		CA	Cap Detachable Eye	
LA	Foot Mounting Side Lugs		CB	Cap Detachable Clevis	
LB	Foot Mounting Side End Angles		TA	Rod Trunnion	
FA	Rod Rectangular Flange		TC	Intermediate Trunnion	
FB	Cap Rectangular Flange				

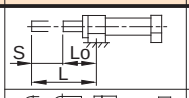
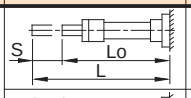
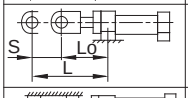
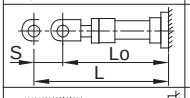
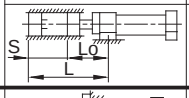
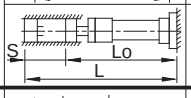
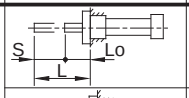
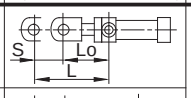
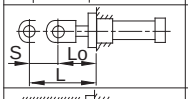
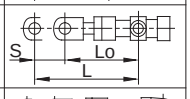
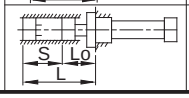
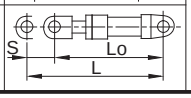
Maximum stroke limited by buckling strength

Calculation of Maximum Stroke

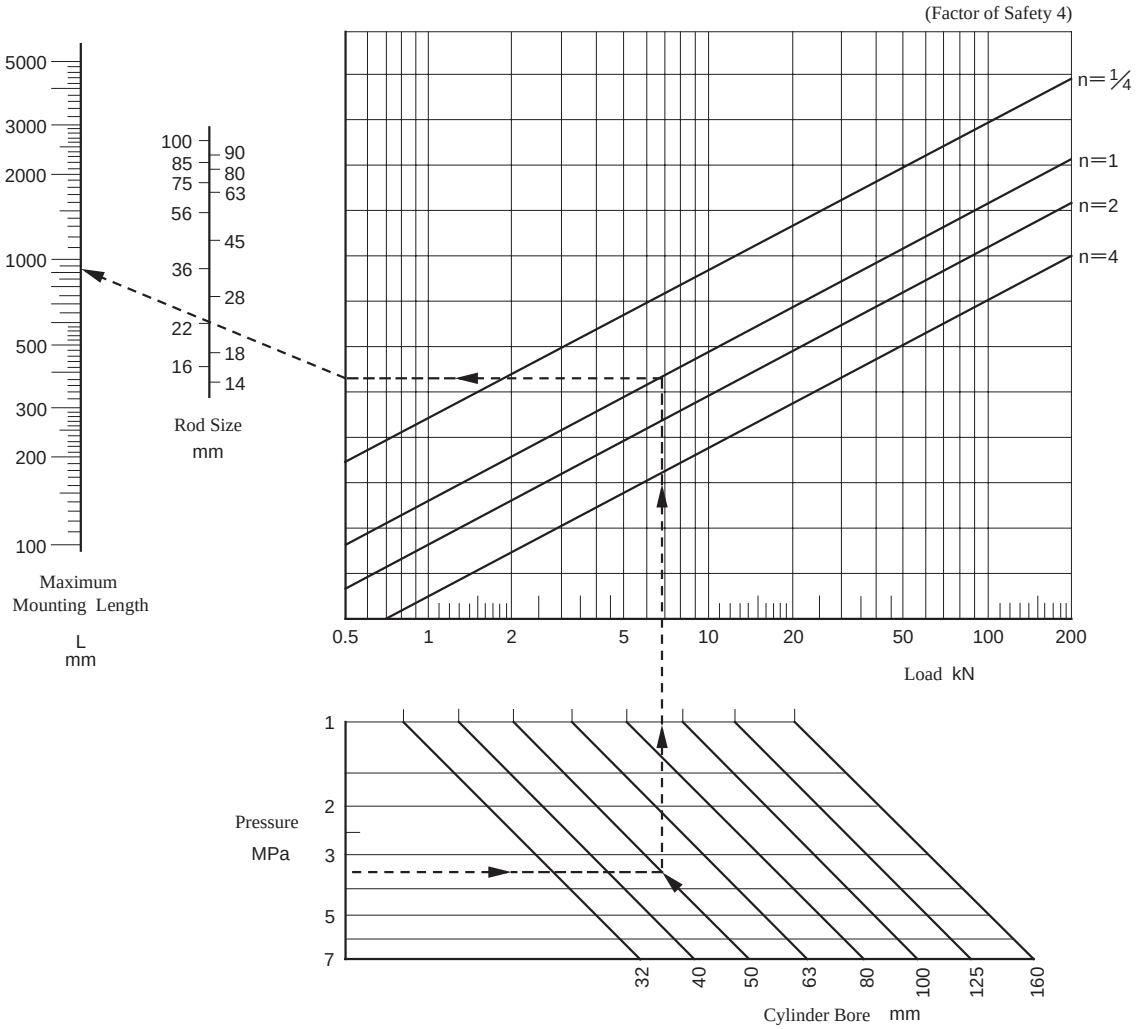
1. Calculate rod end coefficient n from the table on the right.
2. Calculate the maximum installation length L by applying various values such as cylinder bore, rod size, pressure, and rod end coefficient to the figure below.
3. Refer to the external dimensions and calculate the mounting length Lo when retracted.
   Use the formula S=L–Lo and calculate the maximum stroke S.

(Example) Cylinder bore 50 mm, rod size 22 mm, mounting type TA (rod trunnion type) standard cylinder operated at 3.5 MPa pressure. Calculate the maximum stroke. Assume that the lock nut for rod end attachment is not used.

From the table on the right n=1
From the figure below L≒930
From Dimensional Drawing (J-16) and Rod End Attachment (J-17)
Lo= (44+64)=108
therefore S=L–Lo=930–108
hence S≒822 mm

Mounting Type	Type	Rod End Coefficient n	Mounting Type	Type	Rod End Coefficient n
LA		1/4	FB		1/4
		2			2
LB		4			4
FA		1/4	TA		1
		2	TC		
		4	CA CB		

S=L–Lo
S : Stroke mm
L : Mounting Length at extension mm
Lo : Mounting Length at contraction mm
Note: For Lo dimensions, refer to dimensional drawing and add the dimensions of rod end attachment.



Syllabus Table

Rod Size Code	Cylinder Bore mm	Rod Size mm	Push/Pull	Pressurized Area cm^2	Output kN		Velocity by a unit flow rate 10L/min mm/s	Flow rate by a unit velocity 10mm/s L/min
					1MPa	3.5MPa		
S	32	16	Push	8.0	0.8	2.81	208	0.5
			Pull	6.0	0.6	2.11	277	0.4
	40	16	Push	12.6	1.26	4.40	132	0.8
			Pull	10.6	1.06	3.69	157	0.6
	50	22	Push	19.6	1.96	6.87	85	1.2
			Pull	15.8	1.58	5.54	105	0.9
	63	22	Push	31.2	3.12	10.91	53	1.9
			Pull	27.4	2.74	9.58	61	1.6
	80	28	Push	50.3	5.03	17.59	33	3.0
			Pull	44.1	4.41	15.44	38	2.6
	100	36	Push	78.5	7.85	27.49	21	4.7
			Pull	68.4	6.84	23.93	24	4.1
	125	45	Push	122.7	12.27	42.95	14	7.4
			Pull	106.8	10.68	37.38	16	6.4
	160	56	Push	201.0	20.10	70.37	8.3	12.1
			Pull	176.4	17.64	61.75	9.4	10.6

Mass Table

Approx. Mass may be obtained from the formula below.

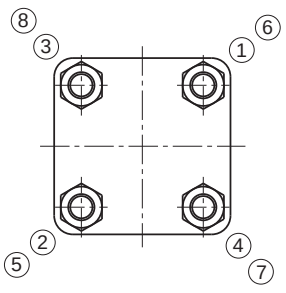
Mass=Ⓐ+[Ⓑ×Stroke(mm)/100]+Ⓒ+Ⓓ

Cylinder Bore mm	ⒶBasic Mass SD type	ⒷAdditional Mass By A Unit Stroke 100mm	ⒸBasic Mass(Each Mounting)								ⒹAdditional Mass		
			LA	LB	FA	FB	CA	CB	TA	TC	T-End (Rod End Eye) L	Y-End (Rod End Clevis) M	Lock Nut (Std.) K
32	1.17	0.41	0.12	0.19	0.17	0.24	0.12	0.12	0.05	0.3	0.15	0.20	0.02
40	1.77	0.45	0.19	0.23	0.25	0.32	0.18	0.15	0.19	0.48	0.16	0.34	0.02
50	2.56	0.78	0.28	0.36	0.41	0.50	0.26	0.30	0.19	0.56	0.22	0.35	0.03
63	3.98	0.94	0.29	0.46	0.56	0.64	0.40	0.36	0.19	0.70	0.22	0.35	0.03
80	7.55	1.22	0.66	0.86	1.40	1.56	1.02	0.82	0.19	1.15	0.78	1.01	0.1
100	11.4	2.00	0.96	1.60	1.96	2.25	1.28	1.38	0.41	3.10	1.30	1.76	0.3
125	15.6	3.30	1.42	2.24	3.78	4.24	4.24	4.42	0.58	4.80	3.19	4.36	0.5
160	35.0	4.90	2.60	5.68	7.76	8.78	8.05	8.91	1.13	6.10	4.29	5.82	1.1

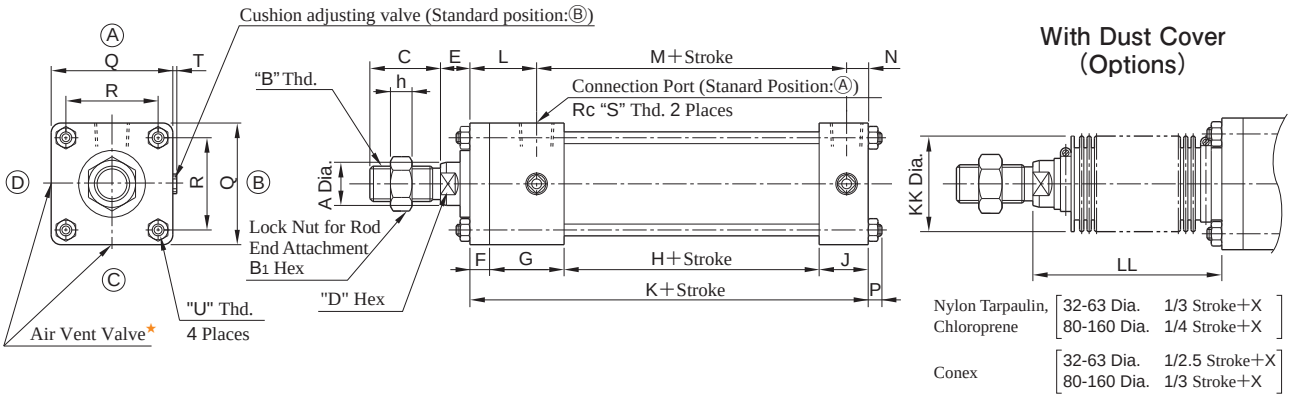
Tie Rod Tightening

When tightening tie rods, do not tighten only one tie rod tightly at a time, but gradually tighten the tie rods in the order of the numbers shown in the figure on the right. Note that one-sided tightening of tie rods may cause operation failure or chattering.

Bore mm	32	40	50	63	80	100	125	160
Tightening Torque Nm	4.1	4.1	4.1	10	21	35	87	180



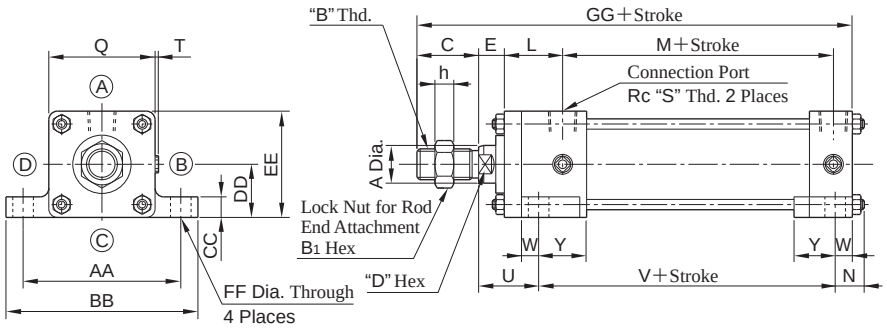
SD：Basic Type



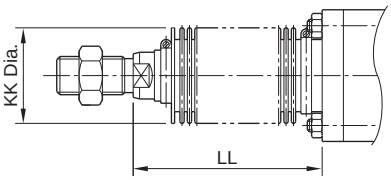
★The air vent valve can provided at the remaining two of the four locations in position Ⓐ,Ⓑ,Ⓒ,Ⓓ, that are not designated as port and cushion adjusting valve positions.
(Port direction: Ⓐ, cushion adjusting valve direction : Ⓒ and Ⓓ for standard Ⓑ)

Cylinder Bore	A	B	B_1	C	D	E	F	G	H	h	J	K	L	M	N	P	Q	R	S	T	U	KK	X
32	16	M12×1.25	19	24	13	15	10	38	30	7	25	103	34	58	11	7	44	33	1/4	Max. 5	M6×1	36	50
40	16	M12×1.25	19	24	13	15	10	38	30	7	25	103	34	58	11	7	50	37	3/8	Max. 5	M6×1	40	50
50	22	M18×1.5	24	36	19	15	10	38	30	11	25	103	34	58	11	7	62	47	3/8	Max. 5	M6×1	45	55
63	22	M18×1.5	24	36	19	15	10	38	33	11	25	106	34	61	11	9	76	56	3/8	Max. 5	M8×1.25	45	55
80	28	M24×2	32	48	24	19	16	45	31	14	32	124	43	67	14	10	94	70	1/2	Max. 5	M10×1.25	60	65
100	36	M30×2	41	60	30	23	16	45	31	17	32	124	43	67	14	12	114	89	1/2	Max. 5	M12×1.5	71	65
125	45	M42×2	60	84	41	25	20	45	37	22	32	134	47	73	14	16	138	110	1/2	Max. 5	M16×1.5	80	65
160	56	M48×2	70	96	50	29	25	50	42	26	38	155	54	84	17	19	176	142	3/4	Max. 5	M20×1.5	100	70

LA : Foot Mounting Side Lugs



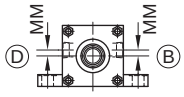
With Dust Cover (Options)



Nylon Tarpaulin, Chloroprene	32-63 Dia.	1/3 Stroke+X
	80-160 Dia.	1/4 Stroke+X
Conex	32-63 Dia.	1/2.5 Stroke+X
	80-160 Dia.	1/3 Stroke+X

Notes:1. The socket head cap screw shall be used as a mounting bolt.

2. As for cylinder bore 32-100, in case the port direction is Ⓑ or Ⓓ, pipe fittings may interference with cylinder mounting bolts. And as for cylinder bore 32-100, the port positions are as shown on the right(MM dimensions). Refer to instructions on page J-4 for details.

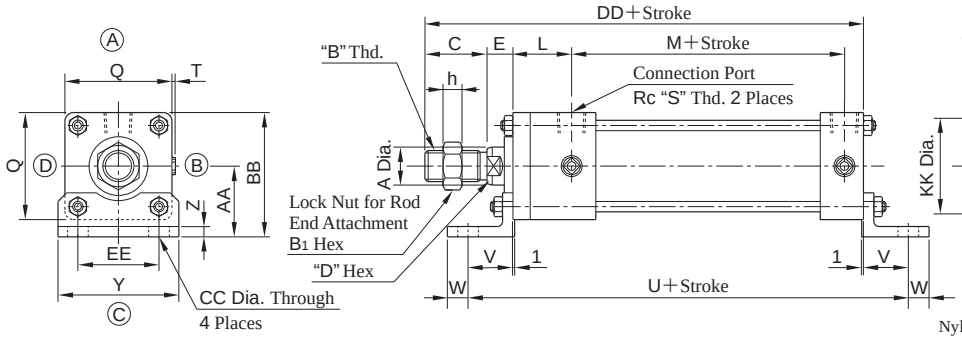


mm

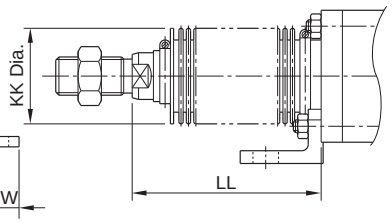
Cylinder Bore	32	40	50
MM	5	6	6

Cylinder Bore	A	B	B_1	C	D	E	h	L	M	N	Q	S	T	U	V	W	Y	AA	BB	CC	DD	EE	FF	GG	KK	X
32	16	M12×1.25	19	24	13	15	7	34	58	17	44	1/4	Max.5	35	73	10	18	69	84	8	22 $^{-0.300}_{-0.384}$	44	9	142	36	50
40	16	M12×1.25	19	24	13	15	7	34	58	17	50	3/8	Max.5	35	73	10	24	80	100	8	25 $^{-0.300}_{-0.384}$	50	12	142	40	50
50	22	M18×1.5	24	36	19	15	11	34	58	17	62	3/8	Max.5	35	73	10	24	92	112	12	31 $^{-0.310}_{-0.410}$	62	12	154	45	55
63	22	M18×1.5	24	36	19	15	11	34	61	19	76	3/8	Max.5	35	76	10	24	108	128	12	38 $^{-0.300}_{-0.410}$	76	12	157	45	55
80	28	M24×2	32	48	24	19	14	43	67	23	94	1/2	Max.5	48	82	13	32	128	150	19	47 $^{-0.320}_{-0.420}$	94	14	191	60	65
100	36	M30×2	41	60	30	23	17	43	67	30	114	1/2	Max.5	57	72	18	27	154	182	24	57 $^{-0.340}_{-0.460}$	114	18	207	71	65
125	45	M42×2	60	84	41	25	22	47	73	38	138	1/2	Max.5	67	70	22	23	189	224	29	69 $^{-0.360}_{-0.480}$	138	22	243	80	65
160	56	M48×2	70	96	50	29	26	54	84	43	176	3/4	Max.5	78	82	24	26	236	278	42	89 $^{-0.380}_{-0.520}$	178	26	280	100	70

LB : Foot Mounting Side End Angles



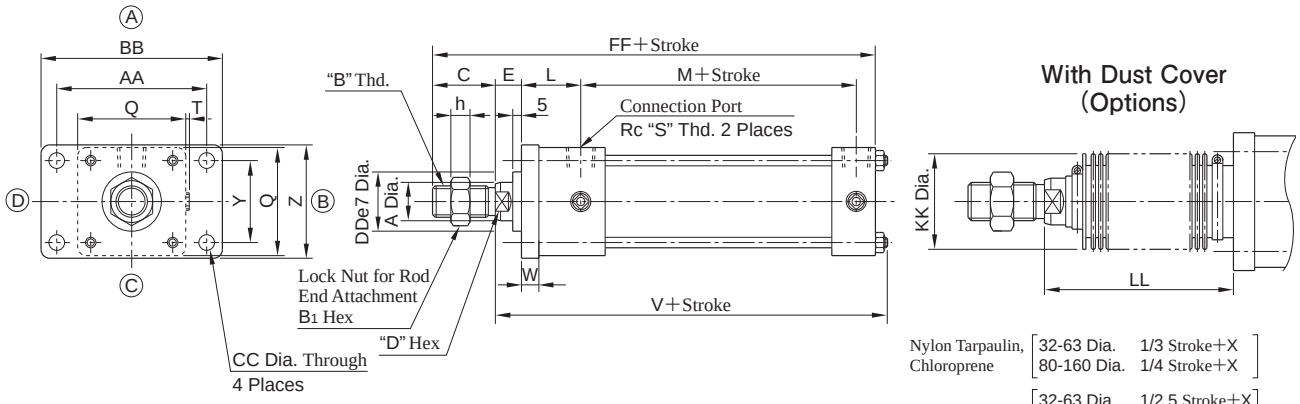
With Dust Cover (Options)



Nylon Tarpaulin, Chloroprene	32-63 Dia.	1/3 Stroke+X
	80-160 Dia.	1/4 Stroke+X
Conex	32-63 Dia.	1/2.5 Stroke+X
	80-160 Dia.	1/3 Stroke+X

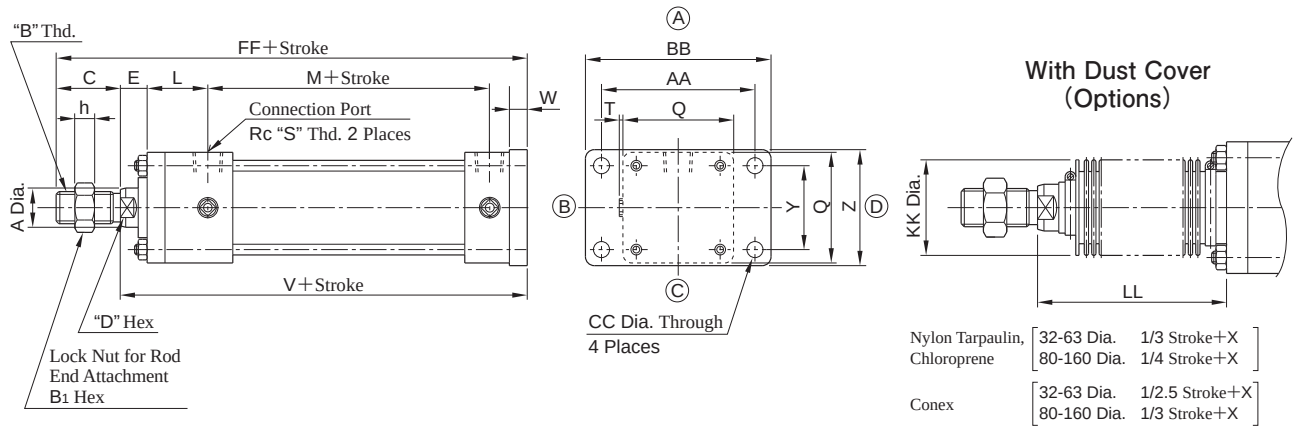
Cylinder Bore	A	B	B_1	C	D	E	h	L	M	Q	S	T	U	V	W	Y	Z	AA	BB	CC	DD	EE	KK	X
32	16	M12×1.25	19	24	13	15	7	34	58	44	1/4	Max.5	149	23	10	54	5	33	55	9	142	33	36	50
40	16	M12×1.25	19	24	13	15	7	34	58	50	3/8	Max.5	153	25	12	60	5	35	60	12	142	37	40	50
50	22	M18×1.5	24	36	19	15	11	34	58	62	3/8	Max.5	155	26	12	70	6	41	72	12	154	47	45	55
63	22	M18×1.5	24	36	19	15	11	34	61	76	3/8	Max.5	162	28	12	80	6	48	86	12	157	56	45	55
80	28	M24×2	32	48	24	19	14	43	67	94	1/2	Max.5	192	34	14	97	8	59	106	14	191	70	60	65
100	36	M30×2	41	60	30	23	17	43	67	114	1/2	Max.5	204	40	18	120	9	70	127	18	207	89	71	65
125	45	M42×2	60	84	41	25	22	47	73	138	1/2	Max.5	228	47	22	138	10	86	155	22	243	95	80	65
160	56	M48×2	70	96	50	29	26	54	84	176	3/4	Max.5	271	58	26	178	15	111	200	26	280	128	100	70

FA : Rod Rectangular Flange



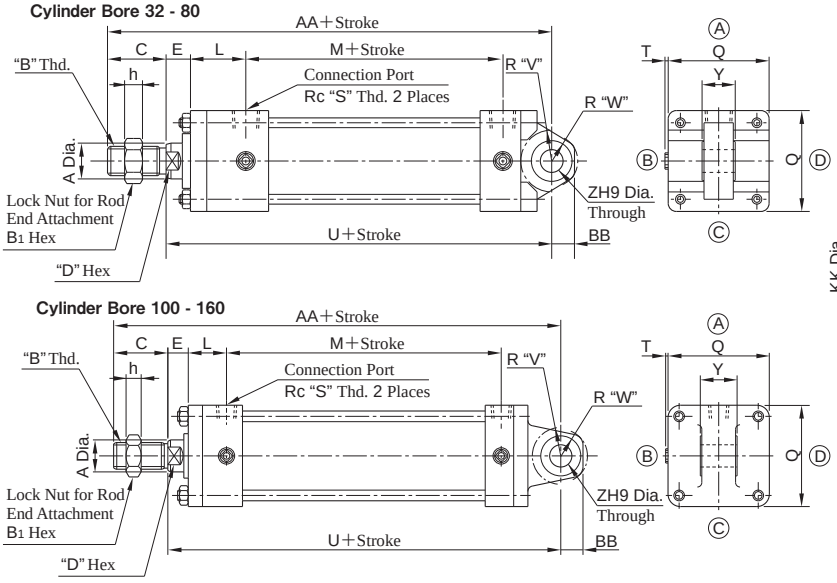
Cylinder Bore	A	B	B_1	C	D	E	h	L	M	Q	S	T	V	W	Y	Z	AA	BB	CC	DD	FF	KK	X
32	16	M12×1.25	19	24	13	15	7	34	58	44	1/4	Max.5	125	10	33	47	58	72	7	30	142	36	50
40	16	M12×1.25	19	24	13	15	7	34	58	50	3/8	Max.5	125	10	36	52	70	84	7	30	142	40	50
50	22	M18×1.5	24	36	19	15	11	34	58	62	3/8	Max.5	125	10	47	65	86	104	9	34	154	45	55
63	22	M18×1.5	24	36	19	15	11	34	61	76	3/8	Max.5	130	10	56	76	98	116	9	34	157	45	55
80	28	M24×2	32	48	24	19	14	43	67	94	1/2	Max.5	153	16	70	95	119	143	12	42	191	60	65
100	36	M30×2	41	60	30	23	17	43	67	114	1/2	Max.5	159	16	84	115	140	166	14	50	207	71	65
125	45	M42×2	60	84	41	25	22	47	73	138	1/2	Max.5	175	20	110	138	176	212	18	60	243	80	65
160	56	M48×2	70	96	50	29	26	54	84	176	3/4	Max.5	203	25	142	178	225	225	22	72	280	100	70

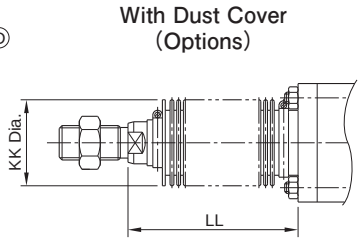
FB : Cap Rectangular Flange



Cylinder Bore	A	B	B_1	C	D	E	h	L	M	Q	S	T	V	W	Y	Z	AA	BB	CC	FF	KK	X
32	16	M12×1.25	19	24	13	15	7	34	58	44	1/4	Max.5	128	10	33	47	58	72	7	152	36	50
40	16	M12×1.25	19	24	13	15	7	34	58	50	3/8	Max.5	128	10	36	52	70	84	7	152	40	50
50	22	M18×1.5	24	36	19	15	11	34	58	62	3/8	Max.5	128	10	47	65	86	104	9	164	45	55
63	22	M18×1.5	24	36	19	15	11	34	61	76	3/8	Max.5	131	10	56	76	98	116	9	167	45	55
80	28	M24×2	32	48	24	19	14	43	67	94	1/2	Max.5	159	16	70	95	119	143	12	207	60	65
100	36	M30×2	41	60	30	23	17	43	67	114	1/2	Max.5	163	16	84	115	140	166	14	223	71	65
125	45	M42×2	60	84	41	25	22	47	73	138	1/2	Max.5	179	20	110	138	176	212	18	263	80	65
160	56	M48×2	70	96	50	29	26	54	84	176	3/4	Max.5	209	25	142	178	225	225	22	305	100	70

CA : Cap Detachable Eye



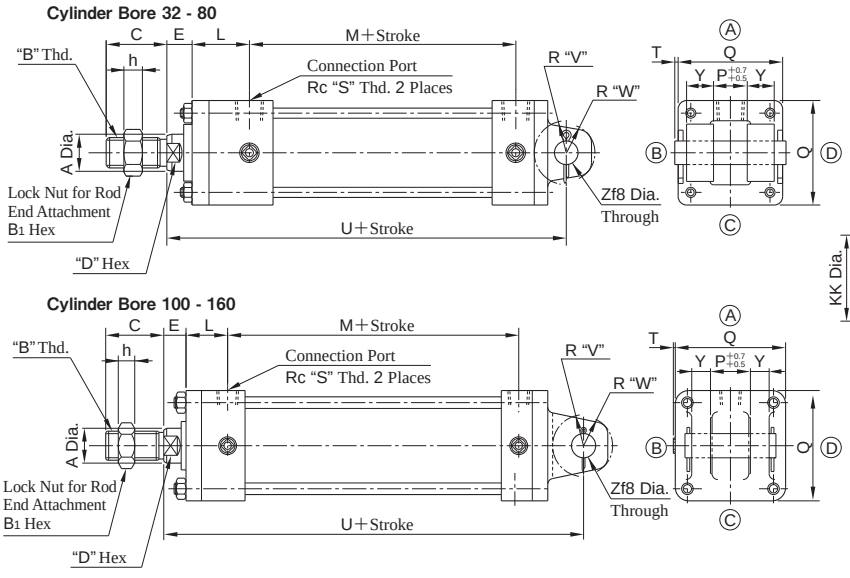


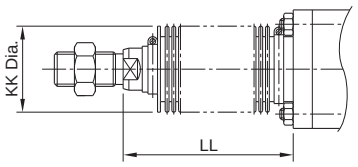
Nylon Tarpaulin, Chloroprene: 32-63 Dia. 1/3 Stroke+X; 80-160 Dia. 1/4 Stroke+X

Conex: 32-63 Dia. 1/2.5 Stroke+X; 80-160 Dia. 1/3 Stroke+X

Cylinder Bore	A	B	B_1	C	D	E	h	L	M	Q	S	T	U	V	W	Y	Z	AA	BB	KK	X
32	16	M12×1.25	19	24	13	15	7	34	58	44	1/4	Max.5	137	17	14	$16^{0}_{-0.070}$	12	161	12	36	50
40	16	M12×1.25	19	24	13	15	7	34	58	50	3/8	Max.5	137	17	16	$20^{0}_{-0.084}$	14	161	14	40	50
50	22	M18×1.5	24	36	19	15	11	34	58	62	3/8	Max.5	137	19	16	$20^{0}_{-0.084}$	14	173	14	45	55
63	22	M18×1.5	24	36	19	15	11	34	61	76	3/8	Max.5	140	19	16	$20^{0}_{-0.084}$	14	176	14	45	55
80	28	M24×2	32	48	24	19	14	43	67	94	1/2	Max.5	175	26	22	$32^{0}_{-0.100}$	20	223	20	60	65
100	36	M30×2	41	60	30	23	17	43	67	114	1/2	Max.5	200	32	30	$40^{0}_{-0.100}$	25	260	25	71	65
125	45	M42×2	60	84	41	25	22	47	73	138	1/2	Max.5	226	42	36	$45^{0}_{-0.100}$	32	310	32	80	65
160	56	M48×2	70	96	50	29	26	54	84	176	3/4	Max.5	261	45	42	$50^{0}_{-0.100}$	36	357	36	100	70

CB : Cap Detachable Clevis



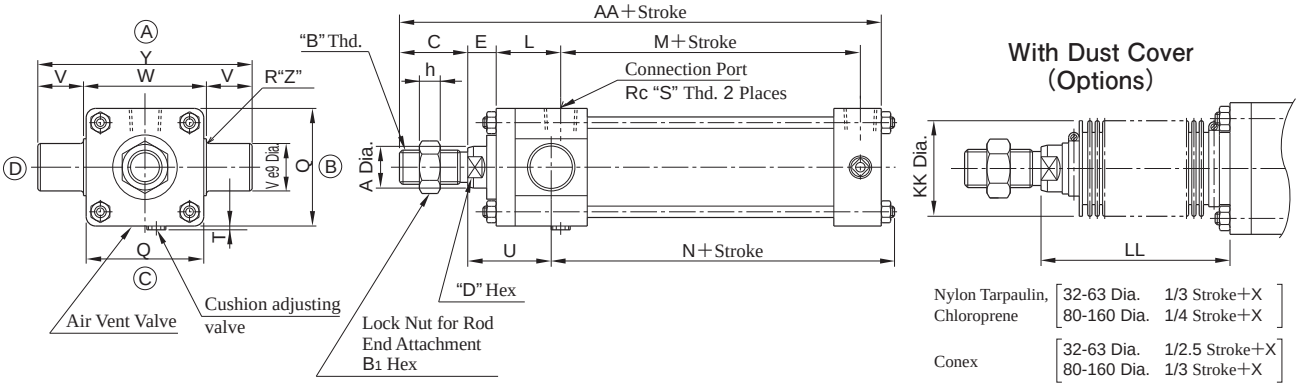


Nylon Tarpaulin, Chloroprene: 32-63 Dia. 1/3 Stroke+X; 80-160 Dia. 1/4 Stroke+X

Conex: 32-63 Dia. 1/2.5 Stroke+X; 80-160 Dia. 1/3 Stroke+X

Cylinder Bore	A	B	B_1	C	D	E	h	L	M	P	Q	S	T	U	V	W	Y	Z	KK	X
32	16	M12×1.25	19	24	13	15	7	34	58	16	44	1/4	Max.5	137	18	15	8	12	36	50
40	16	M12×1.25	19	24	13	15	7	34	58	20	50	3/8	Max.5	137	18	15	12	14	40	50
50	22	M18×1.5	24	36	19	15	11	34	58	20	62	3/8	Max.5	137	19	17	16	14	45	55
63	22	M18×1.5	24	36	19	15	11	34	61	20	76	3/8	Max.5	140	19	17	16	14	45	55
80	28	M24×2	32	48	24	19	14	43	67	32	94	1/2	Max.5	175	32	23	16	20	60	65
100	36	M30×2	41	60	30	23	17	43	67	40	114	1/2	Max.5	200	32	30	20	25	71	65
125	45	M42×2	60	84	41	25	22	47	73	45	138	1/2	Max.5	226	42	36	22.5	32	80	65
160	56	M48×2	70	96	50	29	26	54	84	50	176	3/4	Max.5	261	45	42	25	36	100	70

TA：Rod Trunnion



Positions of port at the rod side, cushion adjusting valve and air vent valve are only available below:

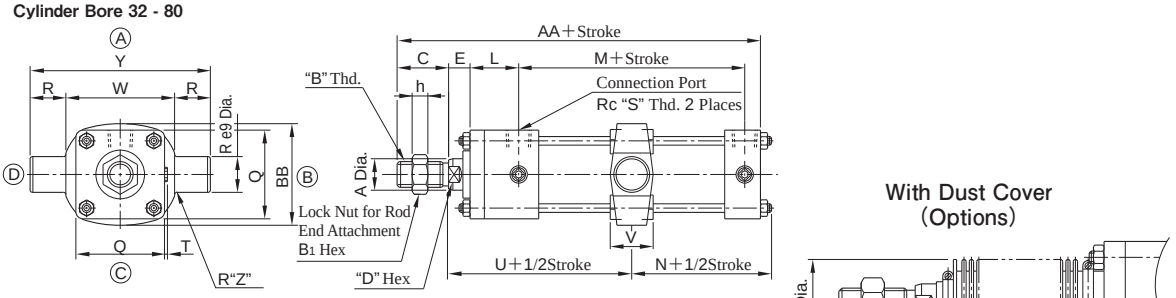
●Port position:Ⓐ Cushion adjusting valve position:Ⓒ Air vent valve position:Ⓒ

Please specify the positions (Ⓐ,Ⓑ,Ⓒ,Ⓓ) at cap cover side only.

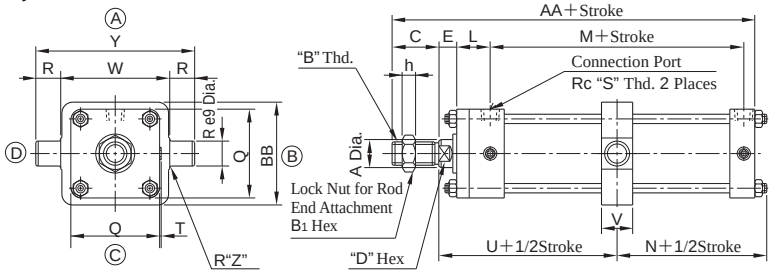
Cylinder Bore	A	B	B_1	C	D	E	h	L	M	N	Q	S	T	U	V	W	Y	Z	AA	KK	X
32	16	M12×1.25	19	24	13	15	7	34	58	81	44	1/4	Max.5	44	16	44	76	1	142	36	50
40	16	M12×1.25	19	24	13	15	7	34	58	81	50	3/8	Max.5	44	25	50	100	1.6	142	40	50
50	22	M18×1.5	24	36	19	15	11	34	58	81	62	3/8	Max.5	44	25	63	113	1.6	154	45	55
63	22	M18×1.5	24	36	19	15	11	34	61	86	76	3/8	Max.5	44	25	76	126	1.6	157	45	55
80	28	M24×2	32	48	24	19	14	43	67	96	94	1/2	Max.5	57	25	95	145	1.6	191	60	65
100	36	M30×2	41	60	30	23	17	43	67	98	114	1/2	Max.5	61	32	114	178	2.5	207	71	65
125	45	M42×2	60	84	41	25	22	47	73	108	138	1/2	Max.5	67	36	144	216	2.5	243	80	65
160	56	M48×2	70	96	50	29	26	54	84	124	176	3/4	Max.5	79	45	184	274	3	280	100	70

TC：Intermediate Trunnion

Cylinder Bore 32 - 80



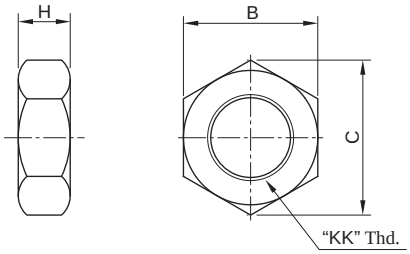
Cylinder Bore 100 - 160



Cylinder Bore	A	B	B_1	C	D	E	h	L	M	N	Q	R	S	T	U	V	W	Y	Z	AA	BB	KK	X
32	16	M12×1.25	19	24	13	15	7	34	58	47	44	16	1/4	Max.5	78	30	55	87	1	142	52	36	50
40	16	M12×1.25	19	24	13	15	7	34	58	47	50	25	3/8	Max.5	78	30	63	113	1.6	142	59	40	50
50	22	M18×1.5	24	36	19	15	11	34	58	47	62	25	3/8	Max.5	78	30	76	126	1.6	154	71	45	55
63	22	M18×1.5	24	36	19	15	11	34	61	50.5	76	25	3/8	Max.5	79.5	30	88	138	1.6	157	86	45	55
80	28	M24×2	32	48	24	19	14	43	67	57.7	94	25	1/2	Max.5	95.5	35	114	164	1.6	191	104	60	65
100	36	M30×2	41	60	30	23	17	43	67	59.5	114	32	1/2	Max.5	99.5	40	140	204	2.5	207	132	71	65
125	45	M42×2	60	84	41	25	22	47	73	66.5	138	36	1/2	Max.5	108.5	53	166	238	2.5	243	160	80	65
160	56	M48×2	70	96	50	29	26	54	84	78	176	45	3/4	Max.5	125	58	214	304	3	280	208	100	70

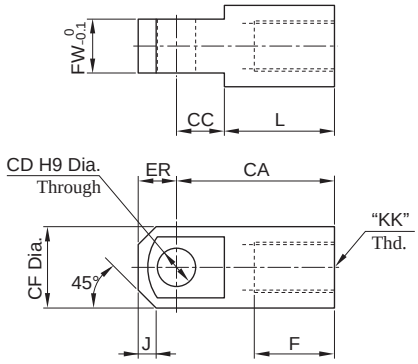
Options

Lock Nut
Option Code : K



KK	H	B	C
M12×1.25	7	19	21.9
M18×1.5	11	27	31.2
M24×2	14	36	41.6
M30×2	17	46	53.1
M42×2	22	65	75
M48×2	26	75	86.5

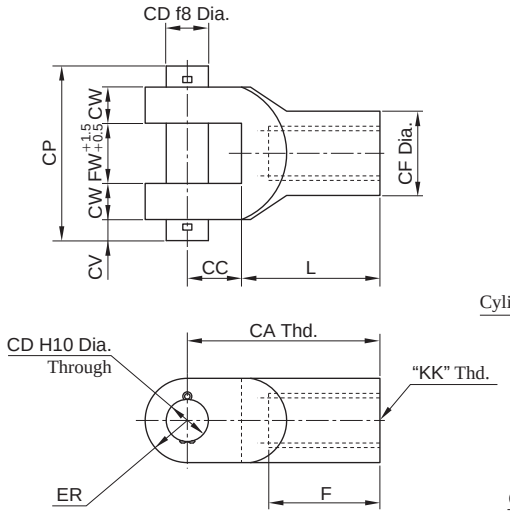
Rod End Attachment
T-End (Rod End Eye) Option Code : L



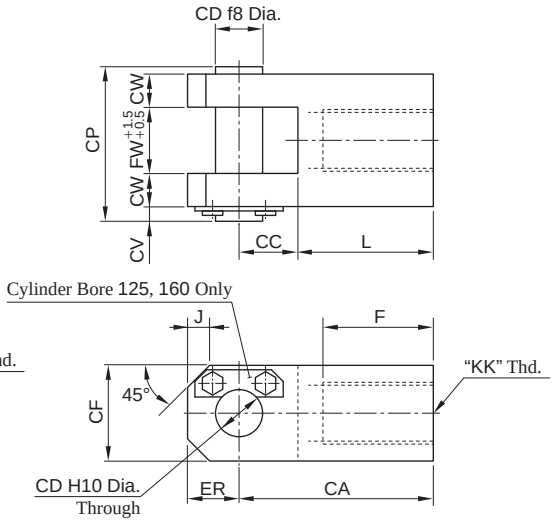
Cylinder Bore	KK	F	CA	CC	CD	CF	ER	FW	J	L
32	M12×1.25	25	55	20	12	24	R12	16	–	35
40	M12×1.25	25	60	20	14	24	R12	20	–	40
50	M18×1.5	37	64	18	14	28	R14	20	–	46
63										
80	M24×2	49	100	30	20	38	R19	32	–	70
100	M30×2	61	110	37	25	48	R24	40	–	73
125	M42×2	67	132	40	32	70	32	45	15	92
160	M48×2	78	150	45	36	79	36	50	19	105

Y-End (Rod End Clevis) Option Code : M

●Cylinder Bore 32 - 100



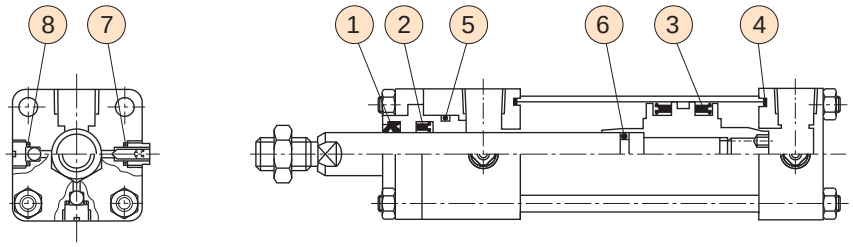
●Cylinder Bore 125, 160



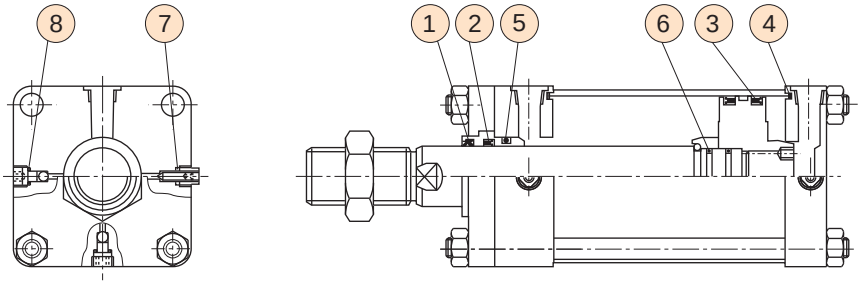
Cylinder Bore	KK	F	CA	CC	CD	CF	CW	ER	FW	CV	CP	J	L
32	M12×1.25	25	55	20	12	24	8	R12	16	7	46	–	35
40	M12×1.25	25	60	20	14	24	12	R12	20	7	58	–	40
50	M18×1.5	37	64	18	14	28	12	R14	20	7	58	–	46
63													
80	M24×2	49	100	28	20	38	16	R19	32	7	78	–	72
100	M30×2	61	110	35	25	48	20	R24	40	7	94	–	75
125	M42×2	75	132	40	32	65	22.5	35	45	10	105	15	92
160	M48×2	86	150	45	36	70	25	40	50	10	115	15	105

CJT 35

Cylinder Bore 32 - 100



Cylinder Bore 125 - 160



Item		①	②	③	④	⑤	⑥	⑦	⑧
Cylinder Bore	Name / Model Numbers for Seal Kit ★1 / Q'ty	Dust Seal	Rod Packing	Piston Packing	Packing for Cover	O-Ring for Bush ★2	O-Ring for Piston ★2	Cushion Valve Seal	Check Valve Seal
		1	1	2	2	1	2	2	4
32	KS-CJT35- 32S-30	DHS-16	UHR-16	RHP-32	TX- 32	G25	S10	TF- 8	CR- 8
40	KS-CJT35- 40S-30	DHS-16	UHR-16	RHP-40	TX- 40	G25	P12	TF- 8	CR- 8
50	KS-CJT35- 50S-30	DHS-22	UHR-22	RHP-50	TX- 50	G35	P18	TF- 8	CR- 8
63	KS-CJT35- 63S-30	DHS-22	UHR-22	RHP-63	TX- 63	G35	P18	TF-12	CR-12
80	KS-CJT35- 80S-30	DHS-28	UHR-28A	RHP-80A	TX- 80	P36	P22A	TF-12	CR-12
100	KS-CJT35-100S-30	DHS-36	UHR-36	RHP-100A	TX-100	P46	G30	TF-14	CR-14
125	KS-CJT35-125S-30	DHS-45	UHR-45A	RHP-125A	TX-125	G55	G40	TF-14	CR-14
160	KS-CJT35-160S-30	DHS-56	UHR-56	RHP-160	TX-160	G65	G50	TF-14	CR-18

★1. Please specify the seal kit numbers above when ordering the seals.
★2. O-ring is OR NBR-70-1 P(G)**-N. Reference The O-ring code "S" for the cylinder bore 32 is a special standard.
★3. Material of standard packing is Nitrile Rubber. About Fluoro Rubber and Hydrogenated Nitrile Rubber, please specify "F-" in addition to the model of seal kit after "KS".

Fluorine Rubber：F- Hydrogenated Nitrile Rubber：6-

Note: The packing code changes without notice.