

KONAN®**Technical
Documentation****CP61HS** Customized products**Heat-resistant Cylinders****Characteristics**

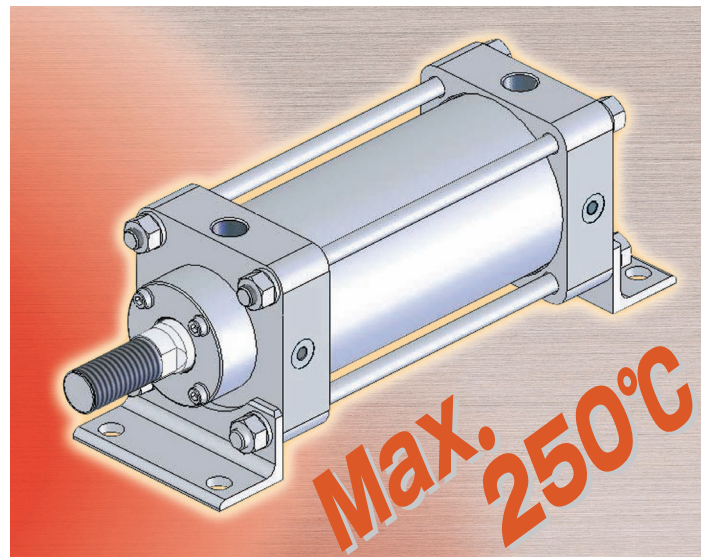
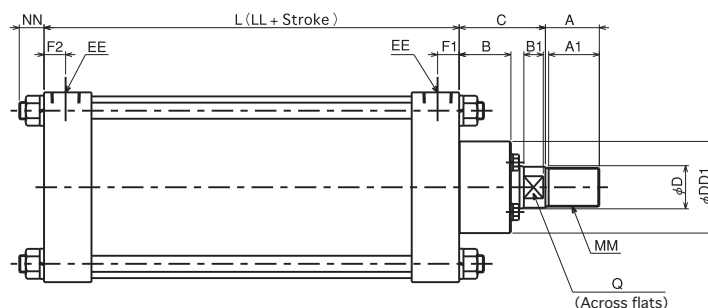
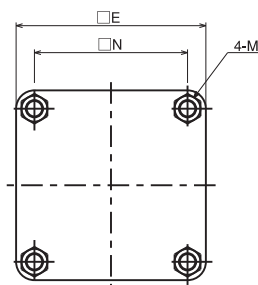
- 1 Resistant to 250°C ambient temperature.
- 2 Suitable for a countermeasure against conduction heat and radiation heat.

Specifications

Working fluid	Compressed air
Max. working pressure	0.7MPa
Pressure resistance	1.0MPa
Ambient temperature	5~250°C Max.
Piston response speed	50~200mm/s
Leakage (Reference)	Leakage (Piston) Approx.90cc/min(In the case of $\phi 125$) Leakage (Piston rod) Approx.30cc/min(In the case of $\phi 125$)
Cushioning	None
Color of the painting	Munsell #N6(Heat-resistant type)
Surface treatment	The piston rod surface and the inside surface of the tube are hard chromium plated.
Thread tolerance	JIS 6H, 6g
Use grease	Fluorine type grease

Please consult us for this specifications.

“Customized products” are optimally designed products by certain customers

**External dimensions**

Unit : mm

Section Sign Bore size	Dimensions of the body																	
	LL	C	A	A ₁	B	Q	B ₁	MM	D	DD ₁	EE	E	F ₁	F ₂	N	M	NN	
φ 40	109	30	20	17	21	13	7	M14×1.5	16	47	Rc¼	55	17	14	42	M 6×1	10	
φ 50	117	35	25	22	22	17	10	M18×1.5	20	55	Rc⅜	65	19	15	49	M 8×1	12	
φ 63	117	35	25	22	22	17	10	M18×1.5	20	55	Rc⅜	75	19	15	59	M 8×1	12	
φ 80	120	50	35	32	28	24	12	M26×1.5	30	75	Rc½	100	15	15	76	M12×1.5	16	
φ 100	120	50	35	32	28	24	12	M26×1.5	30	75	Rc½	116	16	16	90	M12×1.5	16	
φ 125	131	60	35	32	36	30	12	M26×1.5	35	80	Rc½	143	18	18	115	M14×1.5	19	
φ 140	145	80	50	47	48	32	18	M36×1.5	40	85	Rc½	160	20	20	125	M16×1.5	23	
φ 160	151	80	50	47	48	32	18	M36×1.5	40	85	Rc¾	176	20	20	142	M16×1.5	23	
φ 180	161	85	60	57	50	41	20	M45×1.5	50	110	Rc¾	198	20	20	155	M20×1.5	27	
φ 200	161	85	60	57	50	41	20	M45×1.5	50	110	Rc¾	220	20	20	180	M20×1.5	27	

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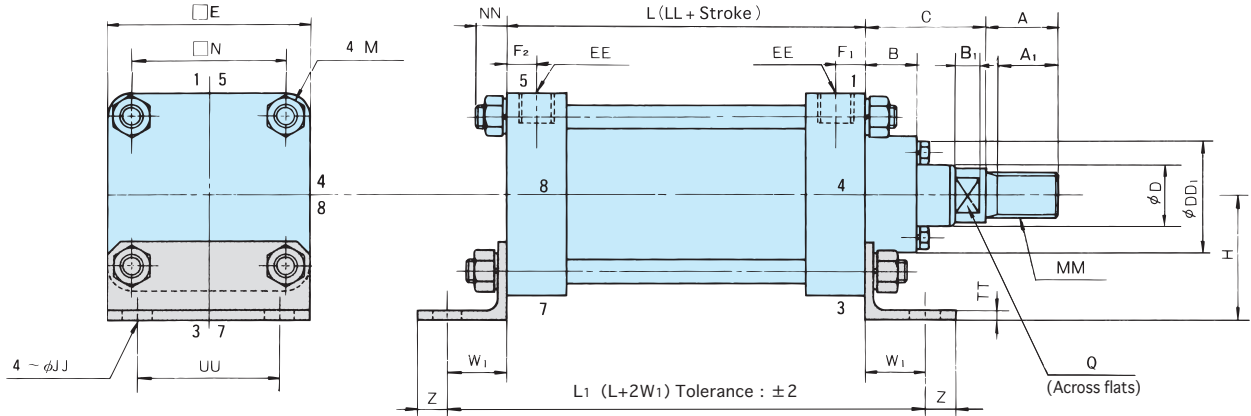
URL=<https://www.konan-em.com/>**Distributing Agent**

2009.03
Please note that this catalog is subject to revision without notice.
2013.04-1版(D4)-K

External dimensions

Foot mounting LB-φ40~200

LB

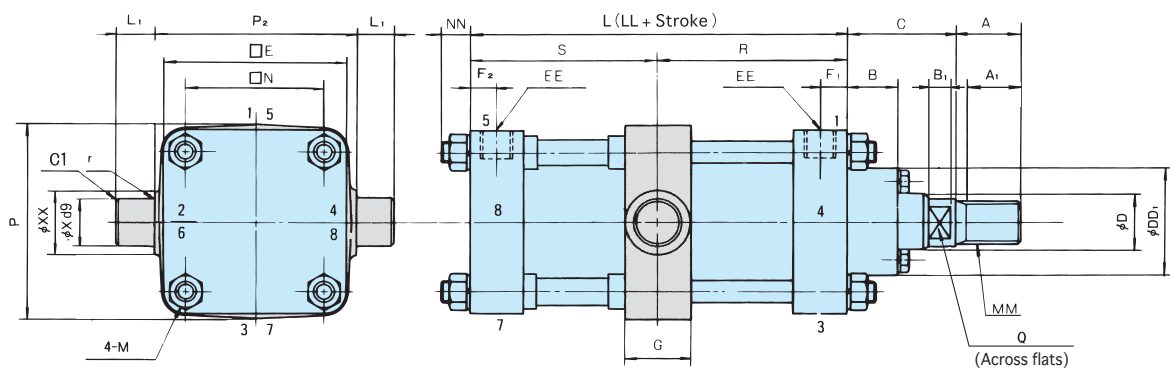


Unit : mm

Section Sign Bore size	Dimensions of the body																Dimensions of the mount							Max. stroke
	LL	C	A	A1	B	Q	B1	MM	D	DD1	EE	E	F1	F2	N	M	NN	UU	Z	JJ	TT	H	W1	
φ 4 0	109	30	20	17	21	13	7	M14×1.5	16	47	Rc1/4	55	17	14	42	M6×1	10	40	15	10	4	40	30	300
φ 5 0	117	35	25	22	22	17	10	M18×1.5	20	55	Rc3/8	65	19	15	49	M8×1	12	45	15	10	6	45	30	300
φ 6 3	117	35	25	22	22	17	10	M18×1.5	20	55	Rc3/8	75	19	15	59	M8×1	12	55	15	12	6	55	35	300
φ 8 0	120	50	35	32	28	24	12	M26×1.5	30	75	Rc1/2	100	15	15	76	M12×1.5	16	71	15	15	6	60	35	400
φ 1 0 0	120	50	35	32	28	24	12	M26×1.5	30	75	Rc1/2	116	16	16	90	M12×1.5	16	85	15	15	6	75	35	400
φ 1 2 5	131	60	35	32	36	30	12	M26×1.5	35	80	Rc1/2	143	18	18	115	M14×1.5	19	100	20	19	6	85	45	400
φ 1 4 0	145	80	50	47	48	32	18	M36×1.5	40	85	Rc1/2	160	20	20	125	M16×1.5	23	112	25	24	9	100	55	400
φ 1 6 0	151	80	50	47	48	32	18	M36×1.5	40	85	Rc3/4	176	20	20	142	M16×1.5	23	118	25	24	9	105	55	400
φ 1 8 0	161	85	60	57	50	41	20	M45×1.5	50	110	Rc3/4	198	20	20	155	M20×1.5	27	132	30	28	13	125	70	500
φ 2 0 0	161	85	60	57	50	41	20	M45×1.5	50	110	Rc3/4	220	20	20	180	M20×1.5	27	150	30	28	13	135	70	500

Trunnion mounting TC-φ40~200

TC

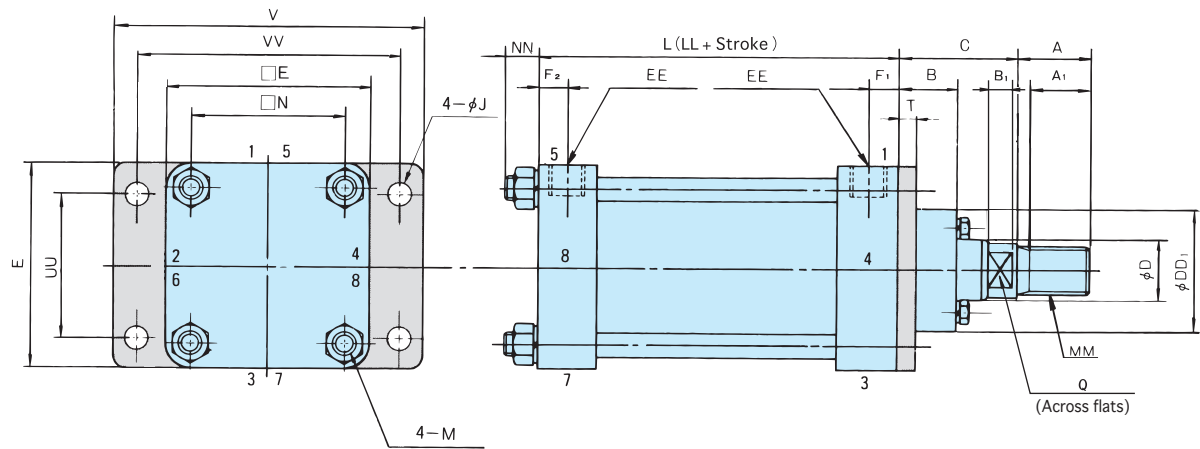


Unit : mm

Section Sign Bore size	Dimensions of the body																	Dimensions of the mount								Max. stroke	Min. “S”	Min. “R”
	LL	C	A	A1	B	Q	B1	MM	D	DD1	EE	E	F1	F2	N	M	NN	G	P	P2	L1	X	XX	r				
φ 4 0	109	30	20	17	21	13	7	M14×1.5	16	47	Rc1/4	55	17	14	42	M6×1	10	22	58	65	18	16	26	1.5	300	49	47	
φ 5 0	117	35	25	22	22	17	10	M18×1.5	20	55	Rc3/8	65	19	15	49	M8×1	12	28	70	80	18	16	26	1.5	300	58	51	
φ 6 3	117	35	25	22	22	17	10	M18×1.5	20	55	Rc3/8	75	19	15	59	M8×1	12	28	84	100	22	20	30	2	300	58	51	
φ 8 0	120	50	35	32	28	24	12	M26×1.5	30	75	Rc1/2	100	15	15	76	M12×1.5	16	32	104	112	28	25	35	2.5	400	60	53	
φ 1 0 0	120	50	35	32	28	24	12	M26×1.5	30	75	Rc1/2	116	16	16	90	M12×1.5	16	37	124	136	33.5	31.5	44	2.5	400	69	62	
φ 1 2 5	131	60	35	32	36	30	12	M26×1.5	35	80	Rc1/2	143	18	18	115	M14×1.5	19	40	160	170	33.5	31.5	50	2.5	400	72	65	
φ 1 4 0	145	80	50	47	48	32	18	M36×1.5	40	85	Rc1/2	160	20	20	125	M16×1.5	23	45	180	180	37.5	35.5	60	2.5	400	80	73	
φ 1 6 0	151	80	50	47	48	32	18	M36×1.5	40	85	Rc3/4	176	20	20	142	M16×1.5	23	45	200	200	37.5	35.5	60	2.5	400	80	73	
φ 1 8 0	161	85	60	57	50	41	20	M45×1.5	50	110	Rc3/4	198	20	20	155	M20×1.5	27	50	220	224	50	45	60	3	500	86	75	
φ 2 0 0	161	85	60	57	50	41	20	M45×1.5	50	110	Rc3/4	220	20	20	180	M20×1.5	27	50	240	250	50	45	60	3	500	86	75	

Rod flange mounting FA- $\phi 40\sim 200$

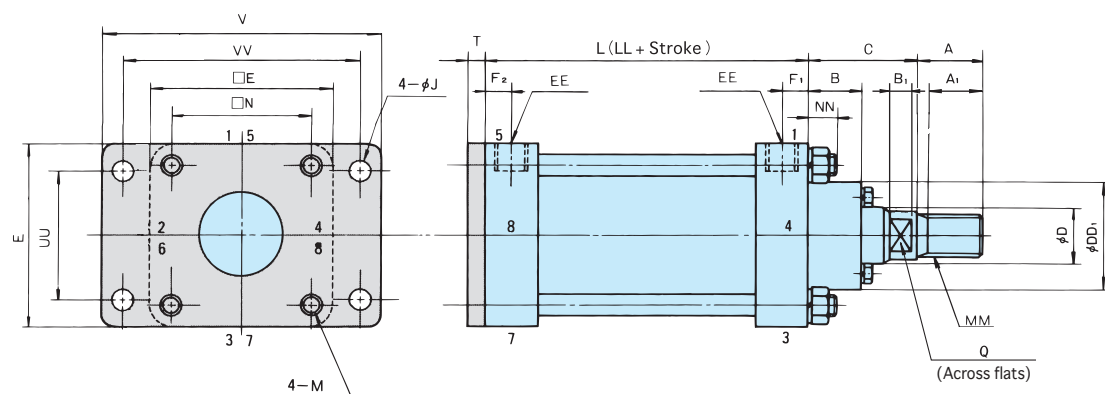
FA



Section Sign Bore size	Dimensions of the body																	Dimensions of the mount						Max. stroke
	LL	C	A	A1	B	Q	B1	MM	D	DD1	EE	E	F1	F2	N	M	NN	V	VV	E	J	T	UU	
φ 4 0	109	30	20	17	21	13	7	M14×1.5	16	47	Rc1/4	55	17	14	42	M6×1	10	100	80	55	9	10	40	300
φ 5 0	117	35	25	22	22	17	10	M18×1.5	20	55	Rc3/8	65	19	15	49	M8×1	12	110	90	65	9	10	45	300
φ 6 3	117	35	25	22	22	17	10	M18×1.5	20	55	Rc3/8	75	19	15	59	M8×1	12	130	112	75	11	10	55	300
φ 8 0	120	50	35	32	28	24	12	M26×1.5	30	75	Rc1/2	100	15	15	76	M12×1.5	16	150	125	100	14	14	71	400
φ 1 0 0	120	50	35	32	28	24	12	M26×1.5	30	75	Rc1/2	116	16	16	90	M12×1.5	16	185	155	116	14	14	85	400
φ 1 2 5	131	60	35	32	36	30	12	M26×1.5	35	80	Rc1/2	143	18	18	115	M14×1.5	19	220	185	143	18	14	100	400
φ 1 4 0	145	80	50	47	48	32	18	M36×1.5	40	85	Rc1/2	160	20	20	125	M16×1.5	23	255	212	160	22	20	112	400
φ 1 6 0	151	80	50	47	48	32	18	M36×1.5	40	85	Rc3/4	176	20	20	142	M16×1.5	23	275	230	176	22	20	118	400
φ 1 8 0	161	85	60	57	50	41	20	M45×1.5	50	110	Rc3/4	198	20	20	155	M20×1.5	27	320	265	198	26	25	132	500
φ 2 0 0	161	85	60	57	50	41	20	M45×1.5	50	110	Rc3/4	220	20	20	180	M20×1.5	27	335	280	220	26	25	150	500

Head flange mounting FB- $\phi 40\sim 200$

FB



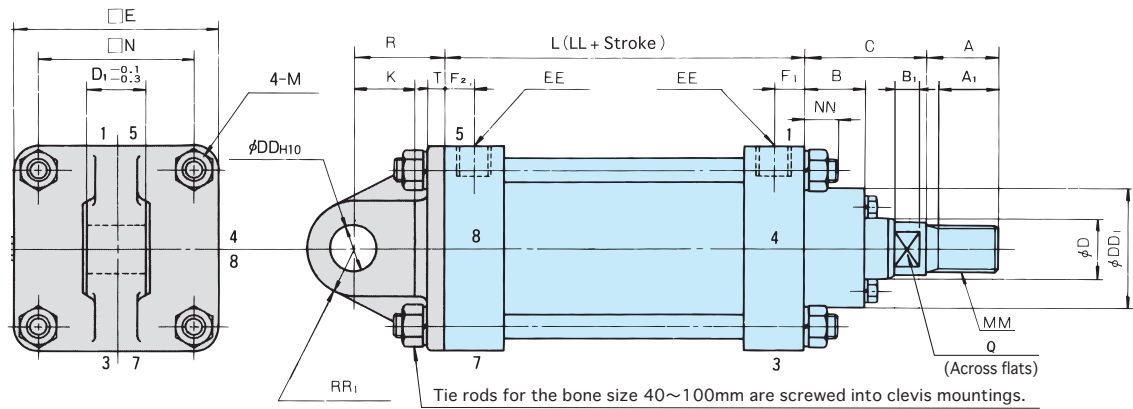
Section Sign Bore size	Dimensions of the body																	Dimensions of the mount							Max. stroke
	LL	C	A	A1	B	Q	B1	MM	D	DD1	EE	E	F1	F2	N	M	NN	V	VV	E	J	T	UU		
φ 4 0	109	30	20	17	21	13	7	M14×1.5	16	47	Rc1/4	55	17	14	42	M6×1	10	100	80	55	9	10	40	300	
φ 5 0	117	35	25	22	22	17	10	M18×1.5	20	55	Rc3/8	65	19	15	49	M8×1	12	110	90	65	9	10	45	300	
φ 6 3	117	35	25	22	22	17	10	M18×1.5	20	55	Rc3/8	75	19	15	59	M8×1	12	130	112	75	11	10	55	300	
φ 8 0	120	50	35	32	28	24	12	M26×1.5	30	75	Rc1/2	100	15	15	76	M12×1.5	16	150	125	100	14	14	71	400	
φ 1 0 0	120	50	35	32	28	24	12	M26×1.5	30	75	Rc1/2	116	16	16	90	M12×1.5	16	185	155	116	14	14	85	400	
φ 1 2 5	131	60	35	32	36	30	12	M26×1.5	35	80	Rc1/2	143	18	18	115	M14×1.5	19	220	185	143	18	14	100	400	
φ 1 4 0	145	80	50	47	48	32	18	M36×1.5	40	85	Rc1/2	160	20	20	125	M16×1.5	23	255	212	160	22	20	112	400	
φ 1 6 0	151	80	50	47	48	32	18	M36×1.5	40	85	Rc3/4	176	20	20	142	M16×1.5	23	275	230	176	22	20	118	400	
φ 1 8 0	161	85	60	57	50	41	20	M45×1.5	50	110	Rc3/4	198	20	20	155	M20×1.5	27	320	265	198	26	25	132	500	
φ 2 0 0	161	85	60	57	50	41	20	M45×1.5	50	110	Rc3/4	220	20	20	180	M20×1.5	27	335	280	220	26	25	150	500	

Unit : mm

External dimensions

Single clevis mounting CA- $\phi 40\sim 200$

CA

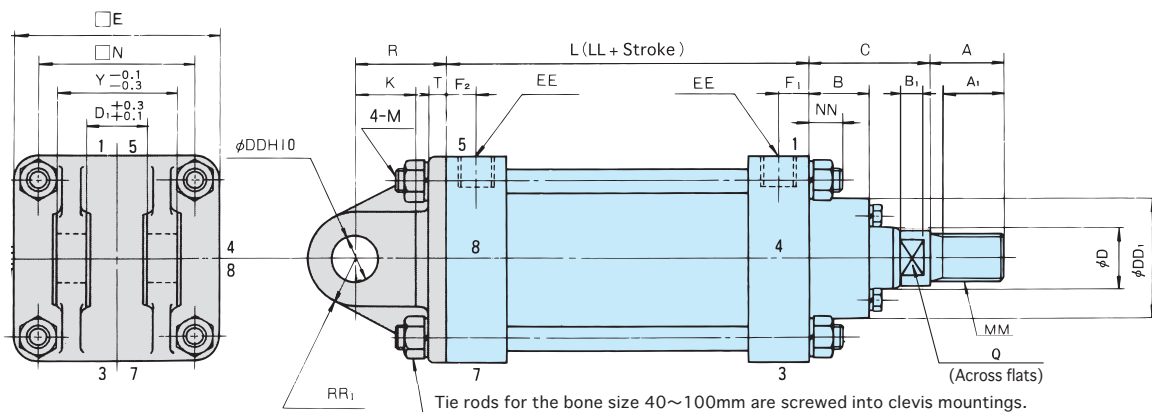


Unit : mm

Section Sign Bore size	Dimensions of the body																Dimensions of the mount										Max. stroke
	LL	C	A	A1	B	Q	B1	MM	D	DD1	EE	E	F1	F2	N	M	NN	DD	D1	R	T	RR1	K				
$\phi 40$	109	30	20	17	21	13	7	M14 $\times$ 1.5	16	47	Rc1/4	55	17	14	42	M6 $\times$ 1	10	10	15	35	12	11	15	300			
$\phi 50$	117	35	25	22	22	17	10	M18 $\times$ 1.5	20	55	Rc3/8	65	19	15	49	M8 $\times$ 1	12	12	18	35	12	13	18	300			
$\phi 63$	117	35	25	22	22	17	10	M18 $\times$ 1.5	20	55	Rc3/8	75	19	15	59	M8 $\times$ 1	12	16	25	45	15	17.5	24	300			
$\phi 80$	120	50	35	32	28	24	12	M26 $\times$ 1.5	30	75	Rc1/2	100	15	15	76	M12 $\times$ 1.5	16	20	31.5	55	18	22	30	400			
$\phi 100$	120	50	35	32	28	24	12	M26 $\times$ 1.5	30	75	Rc1/2	116	16	16	90	M12 $\times$ 1.5	16	25	35.5	60	20	27.5	33	400			
$\phi 125$	131	60	35	32	36	30	12	M26 $\times$ 1.5	35	80	Rc1/2	143	18	18	115	M14 $\times$ 1.5	19	25	35.5	65	20	27.5	37	400			
$\phi 140$	145	80	50	47	48	32	18	M36 $\times$ 1.5	40	85	Rc1/2	160	20	20	125	M16 $\times$ 1.5	23	31.5	40	80	25	35	40	400			
$\phi 160$	151	80	50	47	48	32	18	M36 $\times$ 1.5	40	85	Rc3/4	176	20	20	142	M16 $\times$ 1.5	23	31.5	40	80	25	35	45	400			
$\phi 180$	161	85	60	57	50	41	20	M45 $\times$ 1.5	50	110	Rc3/4	198	20	20	155	M20 $\times$ 1.5	27	40	50	100	31	44	50	500			
$\phi 200$	161	85	60	57	50	41	20	M45 $\times$ 1.5	50	110	Rc3/4	220	20	20	180	M20 $\times$ 1.5	27	40	50	100	31	44	50	500			

Double clevis mounting CB- $\phi 40\sim 200$

CB



Unit : mm

Section Sign Bore size	Dimensions of the body																Dimensions of the mount										Max. stroke
	LL	C	A	A1	B	Q	B1	MM	D	DD1	EE	E	F1	F2	N	M	NN	DD	D1	R	T	RR1	Y	K			
$\phi 40$	109	30	20	17	21	13	7	M14 $\times$ 1.5	16	47	Rc1/4	55	17	14	42	M6 $\times$ 1	10	10	15	35	12	11	30	15	300		
$\phi 50$	117	35	25	22	22	17	10	M18 $\times$ 1.5	20	55	Rc3/8	65	19	15	49	M8 $\times$ 1	12	12	18	35	12	13	35.5	18	300		
$\phi 63$	117	35	25	22	22	17	10	M18 $\times$ 1.5	20	55	Rc3/8	75	19	15	59	M8 $\times$ 1	12	16	25	45	15	17.5	50	24	300		
$\phi 80$	120	50	35	32	28	24	12	M26 $\times$ 1.5	30	75	Rc1/2	100	15	15	76	M12 $\times$ 1.5	16	20	31.5	55	18	22	63	30	400		
$\phi 100$	120	50	35	32	28	24	12	M26 $\times$ 1.5	30	75	Rc1/2	116	16	16	90	M12 $\times$ 1.5	16	25	35.5	60	20	27.5	71	33	400		
$\phi 125$	131	60	35	32	36	30	12	M26 $\times$ 1.5	35	80	Rc1/2	143	18	18	115	M14 $\times$ 1.5	19	25	35.5	65	20	27.5	80	37	400		
$\phi 140$	145	80	50	47	48	32	18	M36 $\times$ 1.5	40	85	Rc1/2	160	20	20	125	M16 $\times$ 1.5	23	31.5	40	80	25	35	80	40	400		
$\phi 160$	151	80	50	47	48	32	18	M36 $\times$ 1.5	40	85	Rc3/4	176	20	20	142	M16 $\times$ 1.5	23	31.5	40	80	25	35	80	45	400		
$\phi 180$	161	85	60	57	50	41	20	M45 $\times$ 1.5	50	110	Rc3/4	198	20	20	155	M20 $\times$ 1.5	27	40	50	100	31	44	100	50	500		
$\phi 200$	161	85	60	57	50	41	20	M45 $\times$ 1.5	50	110	Rc3/4	220	20	20	180	M20 $\times$ 1.5	27	40	50	100	31	44	100	50	500		