



Ver. 1.1 | 2023

Hydraulic Clamping Devices

Standard Hydraulic cylinder



Standard Hydraulic cylinder

Product Code: D1001



Information:

The [Standard Hydraulic cylinder](#) is a mechanical actuator that is used to give a unidirectional force through a unidirectional stroke. It has many applications, notably in construction equipment (engineering vehicles), manufacturing machinery, & Agriculture machinery. We offer [Standard Hydraulic cylinder's](#) in different pressure ranges based on the specification and requirements of our clients. The [Standard Hydraulic cylinder](#) manufactured by us is widely used in various industries like aerospace, power plants, marine applications, agro-industries, and process machinery industries. The [Standard Hydraulic cylinder](#) has advanced features and a high functional level hence widely appreciated in various sectors.

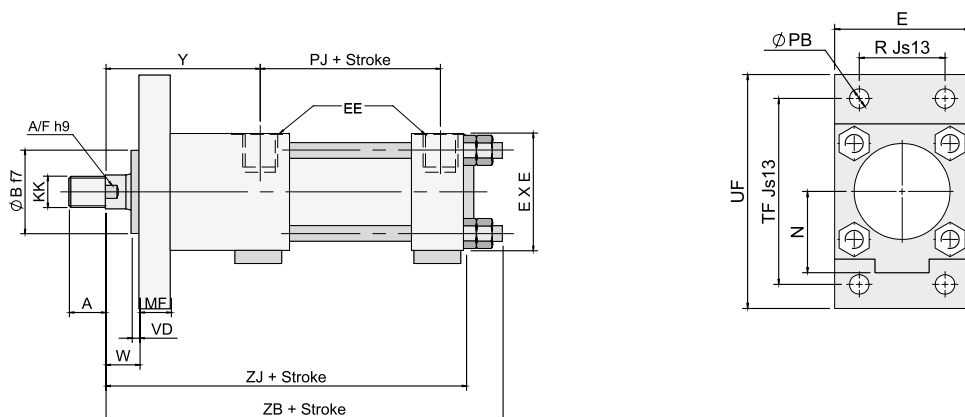
Specifications:

- Hard chrome plated & ground alloy steel is used.
- 100% testing & inspection of each Hydraulic cylinder
- Stroke length upto 2000 mm
- Various mountings are available to suit your application

Variants of Standard Hydraulic cylinder:

- Head Rectangular Flange Mounting (0101)
- Cap Rectangular Flange Mounting (0201)
- Foot Mounting (0301)
- Intermediate Trunnion Mounting (0401)
- Head Trunnion Mounting (0501)
- Cap Trunnion Mounting (0601)
- Cap Detachable Eye Mounting (0701)
- Head Circular Flange Mounting (0801)
- Cap Circular Flange Mounting (0901)

Head rectangular flange mounting (0101)

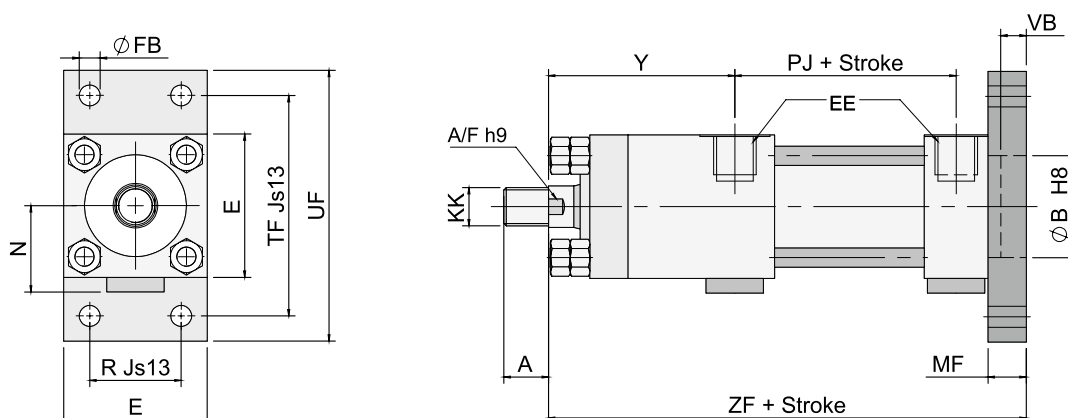


All dimensions are in mm except otherwise specified.

Bore ϕ	25	32	40	50	63	80	100	125
Rod ϕ	14	18	22	28	36	45	56	70
KK	M12X1.25	M14X1.5	M16X1.5	M20X1.5	M27X2	M33X2	M42X2	M48X2
A	16	18	22	28	36	45	56	63
$\phi B f7$	32	40	45	55	65	80	95	115
VD	3	3	3	4	4	4	5	5
W	16	16	16	18	20	22	30	28
MF	12	12	12	12	16	20	25	32
EE	G1/4	G1/4	G1/4	G3/8	G3/8	G1/2	G3/4	G3/4
Y	62	62	69	71.5	83	87	115	118
PJ	69	76.5	91	95	106	126	146.5	158
E	45	52	63	72	85	105	128	158
R Js13	28.7	37	48	57	65	85	103	128
PB	6.5	7	9	9	11	11	13.5	17.5
TF Js13	69.2	70	80	90	105	130	155	190
UF	85	85	95	105	125	150	180	220
ZJ	141	151	175	182	209	233	283	299
ZB	154	168	191	203	230	262	317	342
N	28	31	37	41	48	58	69	85
A/F h9	12	15	18	22	30	36	46	60
Force(Kgf) For.	309	506	791	1236	1963	3166	4948	7731
Force(Kgf) Ret.	212	346	552	848	1322	2164	3396	5306
Basic Wt(Kg)	1.6	2.4	3.8	5.2	9.2	15	29.3	51.57
Wt/10mm Stroke (Kg)	0.06	0.08	0.09	0.12	0.19	0.21	0.3	0.72

Note: Actual force may vary by 10% - 15% due to friction loss.

Cap rectangular flange mounting (0201)

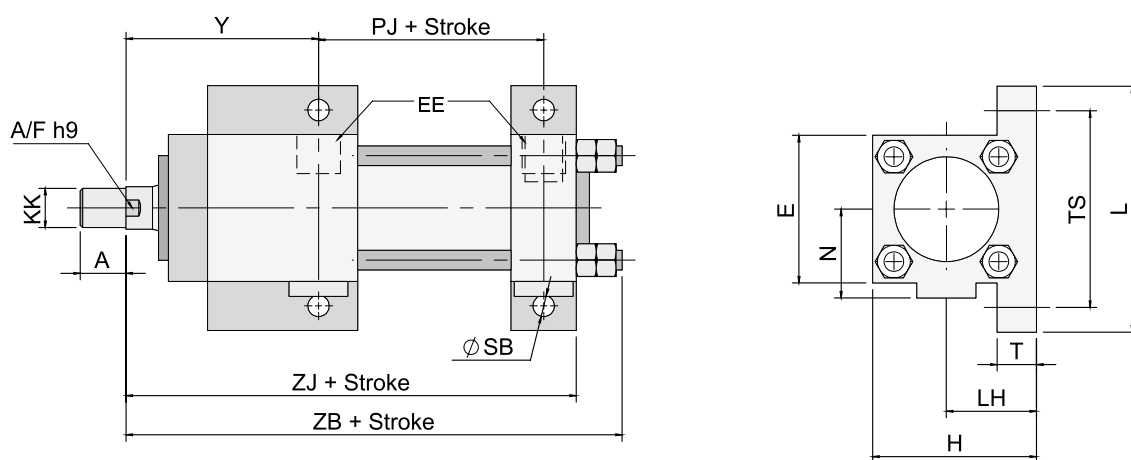


All dimensions are in mm except otherwise specified.

Bore ϕ	25	32	40	50	63	80	100	125
Rod ϕ	14	18	22	28	36	45	56	70
KK	M12X1.25	M14X1.5	M16X1.5	M20X1.5	M27X2	M33X2	M42X2	M48X2
A	16	18	22	28	36	45	56	63
$\phi B H8$	32	40	45	55	65	80	95	115
VB	8	8	7	8	12	15	20	27
MF	12	12	12	12	16	20	25	32
EE	G1/4	G1/4	G1/4	G3/8	G3/8	G1/2	G3/4	G3/4
Y	62	62	69	71.5	83	87	115	118
PJ	69	76.5	91	95	106	126	146.5	158
R Js 13	28.7	37	48	57	65	85	103	128
E	45	52	63	72	85	105	128	158
PB	6.5	7	9	9	11	11	13.5	17.5
TF Js 13	69.2	70	80	90	105	130	155	190
UF	85	85	95	105	125	150	180	220
ZF	153	163	187	194	225	253	303	331
N	28	31	37	41	48	58	69	85
A/F h9	12	15	18	22	30	36	46	60
Force(Kgf) For.	309	506	791	1236	1963	3166	4948	7731
Force(Kgf) Ret.	212	346	552	848	1322	2164	3396	5306
Basic Wt.(Kg)	1.6	2.4	3.8	5.2	9.2	15	29.3	51.57
Wt./10mm Stroke(Kg)	0.06	0.08	0.09	0.12	0.19	0.21	0.3	0.73

Note: Actual force may vary by 10% - 15% due to friction loss.

Foot mounting (0301)

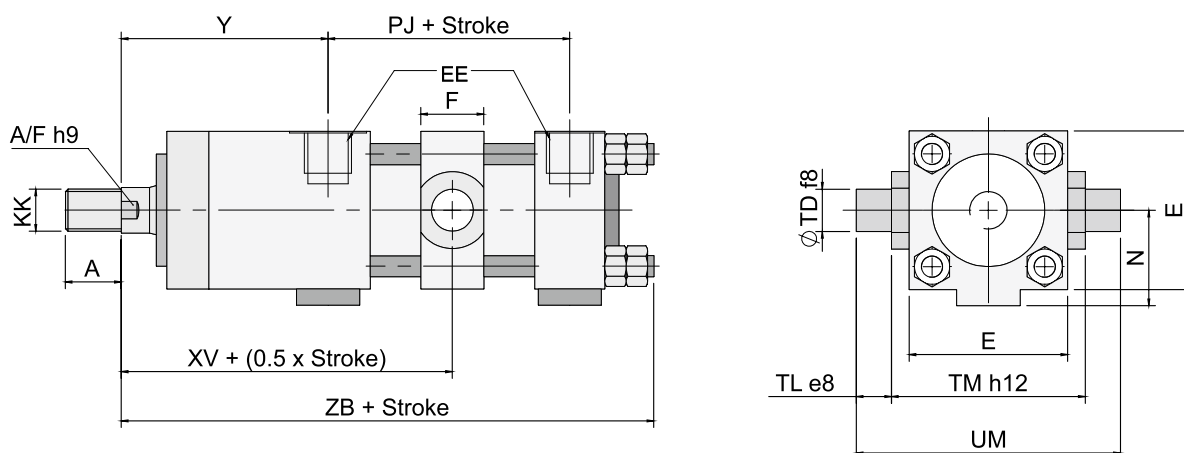


All dimensions are in mm except otherwise specified.

Bore Ø	25	32	40	50	63	80	100	125
Rod Ø	14	18	22	28	36	45	56	70
KK	M12X1.25	M14X1.5	M16X1.5	M20X1.5	M27X2	M33X2	M42X2	M48X2
A	16	18	22	28	36	45	56	63
EE	G1/4	G1/4	G1/4	G3/8	G3/8	G1/2	G3/4	G3/4
Y	62	62	69	71.5	83	87	115	118
PJ	69	76.5	91	95	106	126	146.5	158
E	45	52	63	72	85	105	128	158
ØSB	6.6	6.6	6.6	9	9	11	13.5	17.5
T	12	12	12	16	16	20	24	32
TS	60	70	80	90	105	130	155	190
L	75	85	95	110	125	150	180	220
LH	27.5	31	36.5	41	47.5	57.5	69	84
H	50	57	68	77	90	110	133	163
ZJ	141	151	175	182	209	233	283	299
ZB	154	168	191	203	230	262	317	342
N	28	31	37	41	48	58	69	85
A/F h9	12	15	18	22	30	36	46	60
Force(Kgf) For.	309	506	791	1236	1963	3166	4948	7731
Force(Kgf) Ret.	212	346	552	848	1322	2164	3396	5306
Basic Wt.(Kg)	1.8	2.7	3.9	5.8	9.7	15.5	29.4	48
Wt./10mm Stroke(Kg)	0.06	0.08	0.09	0.12	0.19	0.21	0.3	0.73

Note: Actual force may vary by 10% - 15% due to friction loss.

Intermediate trunnion mounting (0401)

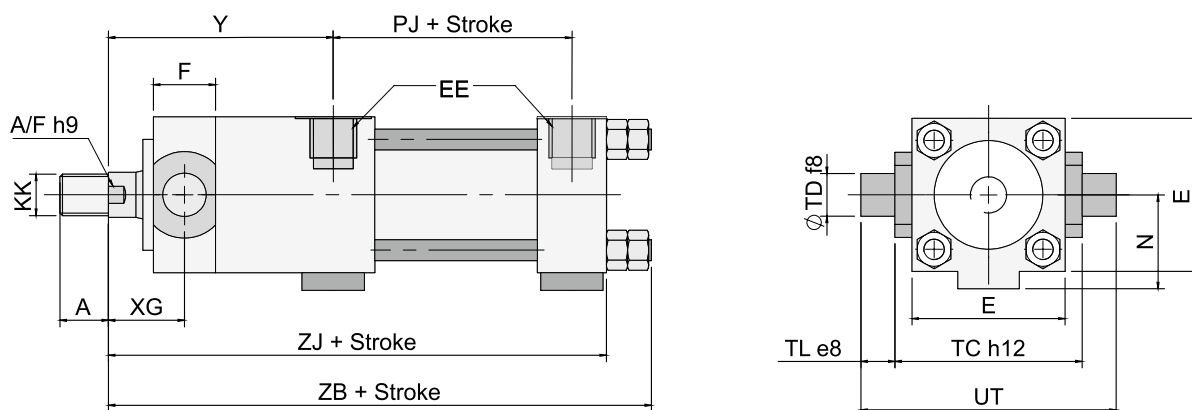


All dimensions are in mm except otherwise specified.

Bore ϕ	25	32	40	50	63	80	100	125
Rod ϕ	14	18	22	28	36	45	56	70
KK	M12X1.25	M14X1.5	M16X1.5	M20X1.5	M27X2	M33X2	M42X2	M48X2
A	16	18	22	28	36	45	56	63
F	18	18	24	24	30	36	48	60
EE	G1/4	G1/4	G1/4	G3/8	G3/8	G1/2	G3/4	G3/4
Y	62	62	69	71.5	83	87	115	118
PJ	69	76.5	91	95	106	126	146.5	158
E	45	52	63	72	85	105	128	158
XV	97.5	100	114	118	136	150	187.5	198
ϕ TD f8	12	12	16	20	25	32	40	50
TL e8	10	10	12	16	20	25	32	40
TM h12	63	62	73	82	95	115	138	168
UM	83	82	97	114	135	165	202	248
ZB	154	168	191	203	230	262	317	342
N	28	31	37	41	48	58	69	85
A/F h9	12	15	18	22	30	36	46	60
Force(Kgf) For.	309	506	791	1236	1963	3166	4948	7731
Force(Kgf) Ret.	212	346	552	848	1322	2164	3396	5306
Basic Wt(Kg)	1.8	2.6	3.9	5.6	10	16.1	30.4	50.4
Wt/10mm Stroke (Kg)	0.06	0.08	0.09	0.12	0.19	0.21	0.3	0.73

Note: Actual force may vary by 10% - 15% due to friction loss.

Head trunnion mounting (0501)

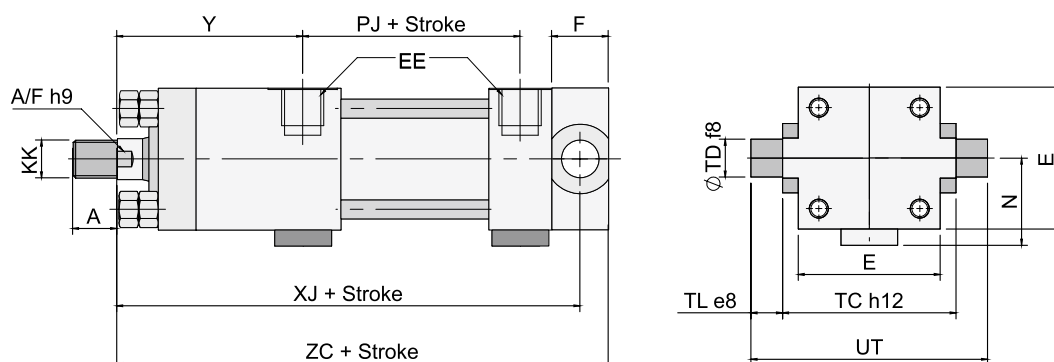


All dimensions are in mm except otherwise specified.

Bore Ø	25	32	40	50	63	80	100	125
Rod Ø	14	18	22	28	36	45	56	70
KK	M12X1.25	M14X1.5	M16X1.5	M20X1.5	M27X2	M33X2	M42X2	M48X2
A	16	18	22	28	36	45	56	63
F	18	18	24	24	30	36	48	56
EE	G1/4	G1/4	G1/4	G3/8	G3/8	G1/2	G3/4	G3/4
Y	68	68	81	83.5	103	103	138	142
PJ	69	76.5	91	95	106	126	146.5	158
E	45	52	63	72	85	105	128	158
XG	25	25	28	30	38	40	54	56
ØTD f8	12	12	16	20	25	32	40	50
TL e8	10	10	12	16	20	25	32	40
TC h12	63	62	73	82	95	115	138	168
UT	83	82	97	114	135	165	202	248
ZJ	147	157	187	194	229	249	306	323
ZB	160	174	203	215	250	278	340	366
N	28	31	37	41	48	58	69	85
A/F h9	12	15	18	22	30	36	46	60
Force(Kgf) For.	309	506	791	1236	1963	3166	4948	7731
Force(Kgf) Ret.	212	346	552	848	1322	2164	3396	5306
Basic Wt.(Kg)	1.8	2.5	4	5.7	10.4	16.4	31.1	51.8
Wt./10mm Stroke(Kg)	0.06	0.08	0.09	0.12	0.19	0.21	0.3	0.73

Note: Actual force may vary by 10% - 15% due to friction loss.

Cap trunnion mounting (0601)

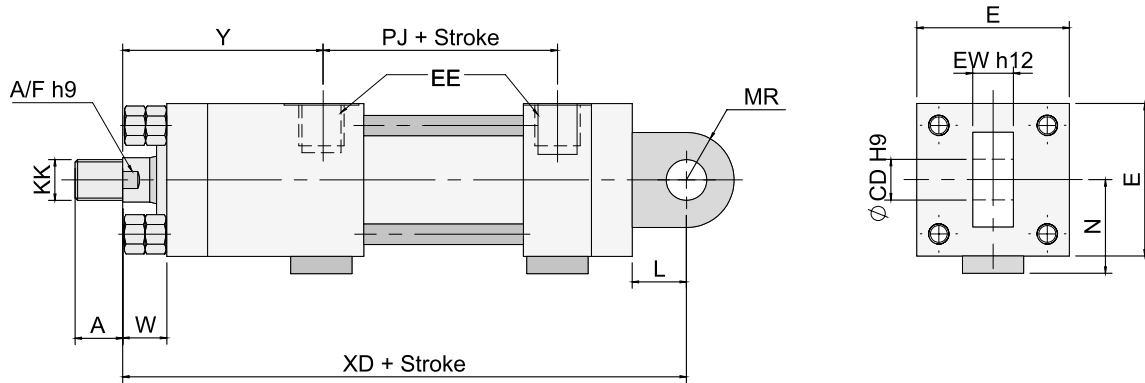


All dimensions are in mm except otherwise specified.

Bore ϕ	25	32	40	50	63	80	100	125
Rod ϕ	14	18	22	28	36	45	56	70
KK	M12X1.25	M14X1.5	M16X1.5	M20X1.5	M27X2	M33X2	M42X2	M48X2
A	16	18	22	28	36	45	56	63
F	18	18	24	24	30	36	48	60
EE	G1/4	G1/4	G1/4	G3/8	G3/8	G1/2	G3/4	G3/4
Y	62	62	69	71.5	83	87	115	118
PJ	69	76.5	91	95	106	126	146.5	158
E	45	52	63	72	85	105	128	158
XJ	150	160	187	194	224	253	307	327
ϕ TD f8	12	12	16	20	25	32	40	50
TL e8	10	10	12	16	20	25	32	40
TM h12	63	62	73	82	95	115	138	168
UT	83	82	97	114	135	165	202	248
ZC	154	168	191	203	230	262	317	342
N	28	31	37	41	48	58	69	85
A/F h9	12	15	18	22	30	36	46	60
Force(Kgf) For.	309	506	791	1236	1963	3166	4948	7731
Force(Kgf) Ret.	212	346	552	848	1322	2164	3396	5306
Basic Wt(Kg)	2	2.7	4.2	6.1	10.8	18.1	34	57.48
Wt/10mm Stroke (Kg)	0.06	0.08	0.09	0.12	0.19	0.21	0.3	0.73

Note: Actual force may vary by 10% - 15% due to friction loss.

Cap detachable eye mounting (0701)

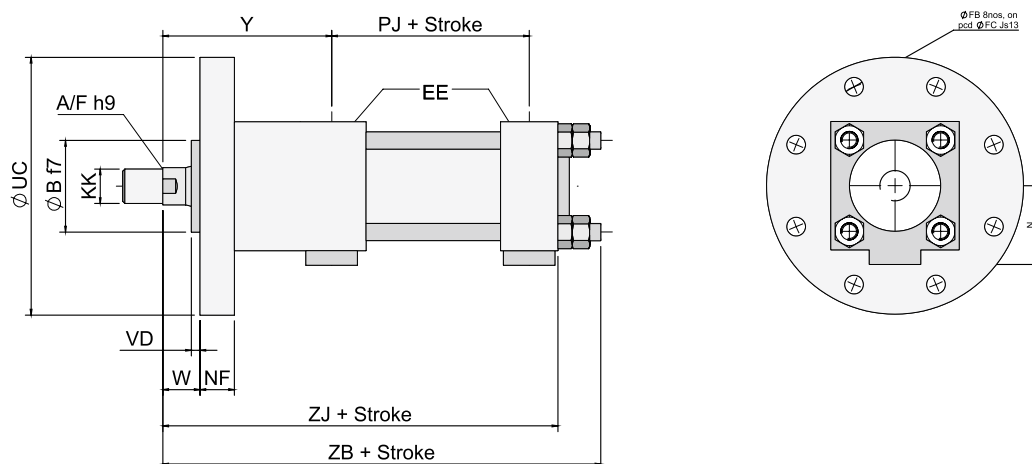


All dimensions are in mm except otherwise specified.

Bore Ø	25	32	40	50	63	80	100	125
Rod Ø	14	18	22	28	36	45	56	70
KK	M12X1.25	M14X1.5	M16X1.5	M20X1.5	M27X2	M33X2	M42X2	M48X2
A	16	18	22	28	36	45	56	63
W	16	16	16	18	20	22	30	28
EE	G1/4	G1/4	G1/4	G3/8	G3/8	G1/2	G3/4	G3/4
Y	62	62	69	71.5	83	87	115	118
PJ	69	76.5	91	95	106	126	146.5	158
E	45	52	63	72	85	105	128	158
ØCD H9	12	12	16	20	25	32	40	50
EW h12	12	12	16	20	25	32	40	50
MR	14	14	18	23	30	38	48	60
L	16	16	20	25	32	40	50	63
XD	169	179	207	219	257	293	358	394
N	28	31	37	41	48	58	69	85
A/F h9	12	15	18	22	30	36	46	60
Force(Kgf) For.	309	506	791	1236	1963	3166	4948	7731
Force(Kgf) Ret.	212	346	552	848	1322	2164	3396	5306
Basic Wt(Kg)	1.7	2.6	4.2	6.7	10	17.3	32.59	55.8
Wt/10mm Stroke (Kg)	0.06	0.08	0.09	0.12	0.19	0.21	0.3	0.73

Note: Actual force may vary by 10% - 15% due to friction loss.

Head circular flange mounting(0801)

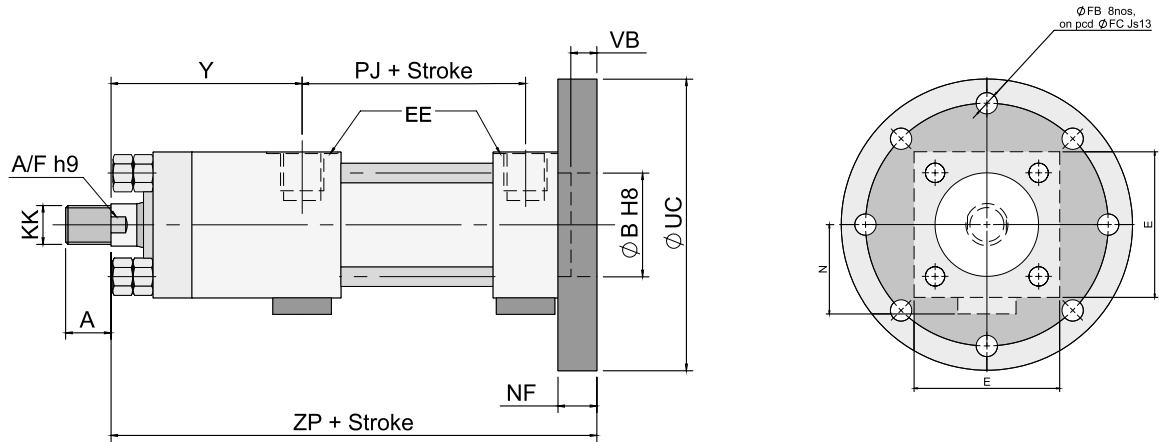


All dimensions are in mm except otherwise specified.

Bore Ø	25	32	40	50	63	80	100	125
Rod Ø	14	18	22	28	36	45	56	70
KK	M12X1.25	M14X1.5	M16X1.5	M20X1.5	M27X2	M33X2	M42X2	M48X2
A	16	18	22	28	36	45	56	63
ØB f7	32	40	45	55	65	80	95	115
VD	3	3	3	4	4	4	5	5
W	16	16	16	18	20	22	30	28
NF	12	12	12	12	16	20	25	32
EE	G1/4	G1/4	G1/4	G3/8	G3/8	G1/2	G3/4	G3/4
Y	62	62	69	71.5	83	87	115	118
PJ	69	76.5	91	95	106	126	146.5	158
E	45	52	63	72	85	105	128	158
ØFB	6.6	6.6	6.6	6.6	9	11	13.5	17.5
ØFC Js13	75	80	90	95	115	140	170	210
ØUC	90	95	105	110	135	160	195	240
ZJ	141	151	175	182	209	233	283	299
ZB	154	168	191	203	230	262	317	342
N	28	31	37	41	48	58	69	85
A/F h9	12	15	18	22	30	36	46	60
Force(Kgf) For.	309	506	791	1236	1963	3166	4948	7731
Force(Kgf) Ret.	212	346	552	848	1322	2164	3396	5306
Basic Wt(Kg)	2	2.7	4.2	6	10	16	29.8	50.2
Wt/10mm Stroke (Kg)	0.06	0.08	0.09	0.12	0.19	0.21	0.3	0.73

Note: Actual force may vary by 10% - 15% due to friction loss.

Cap circular flange mounting(0901)



All dimensions are in mm except otherwise specified.

Bore Ø	25	32	40	50	63	80	100	125
Rod Ø	14	18	22	28	36	45	56	70
KK	M12X1.25	M14X1.5	M16X1.5	M20X1.5	M27X2	M33X2	M42X2	M48X2
A	16	18	22	28	36	45	56	63
ØB H8	32	40	45	55	65	80	95	115
VB	8	8	7	8	12	15	20	27
NF	12	12	12	12	16	20	25	32
EE	G1/4	G1/4	G1/4	G3/8	G3/8	G1/2	G3/4	G3/4
Y	62	62	69	71.5	83	87	115	118
PJ	69	76.5	91	95	106	126	146.5	158
E	45	52	63	72	85	105	125	158
FB	6.6	6.6	6.6	6.6	9	11	13.5	17.5
ØFC Js13	75	80	90	95	115	140	170	210
ØUC	90	95	105	110	135	160	195	240
ZP	153	163	187	194	225	253	308	331
N	28	31	37	41	48	58	69	85
A/F h9	12	15	18	22	30	36	46	60
Force(Kgf) For.	309	506	791	1236	1963	3166	4948	7731
Force(Kgf) Ret.	212	346	552	848	1322	2164	3396	5306
Basic Wt(Kg)	1.8	2.5	4	5.7	10.4	16.4	31.1	51.8
Wt/10mm Stroke (Kg)	0.06	0.08	0.09	0.12	0.19	0.21	0.3	0.73

Note: Actual force may vary by 10% - 15% due to friction loss.



www.dynamichydraulics.co.in

The dimensions shown in the catalogue can be changed without prior notice to improve product quality.

Since certain products are undergoing research and development, please refer to our website for new updates.

Designed by: Exontrix Systems

 +91 917 283 9607

 527, Shiye Bawada Road, Opposite
MIDC Shiroli, Kolhapur - 416122,
Maharashtra, India.

GO DYNAMIC™