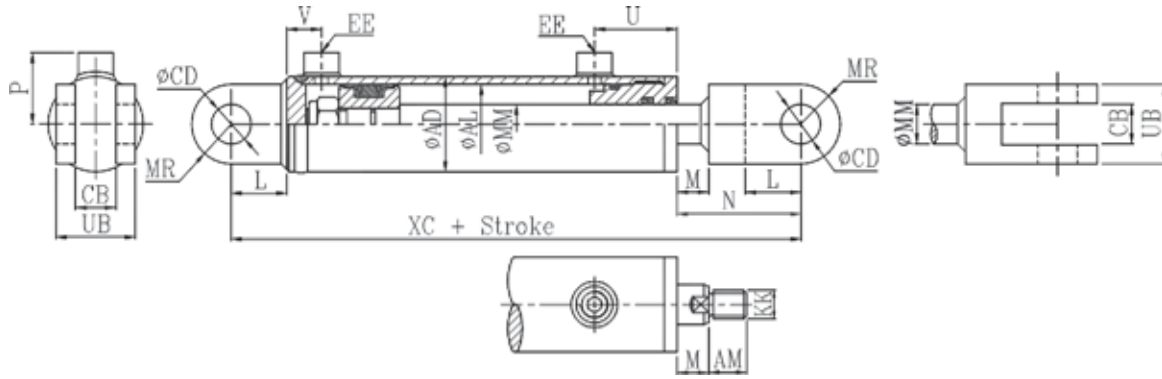


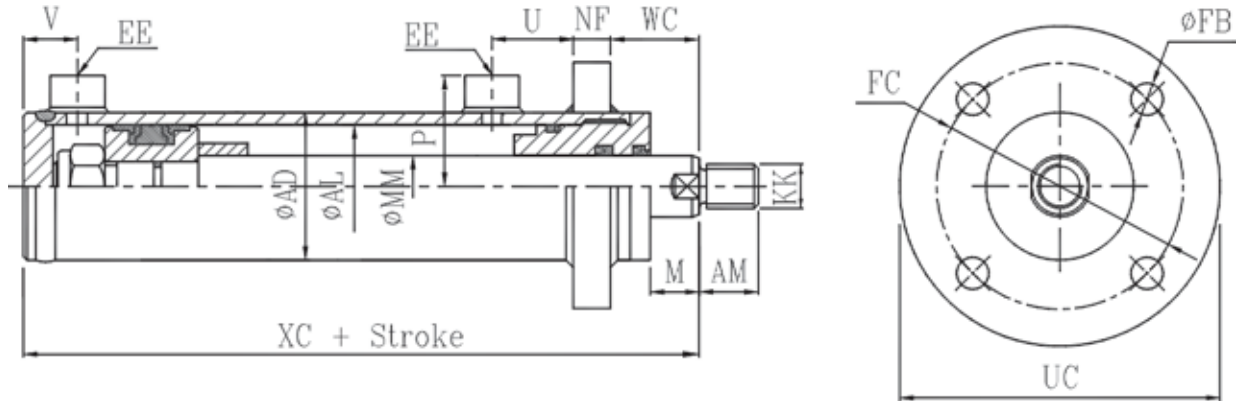
## 210 Bar Standard Cylinder Mounting : MP1 Female Clevis



Bore AL	Rod MM	AD	CD	CB	UB	L	MR	M	U	V	N	EE	P	XC	KK	AM
40	25	50	20	23	43	35	22.5	20	52	22	72	3/8"BSPP	40	230	M18x1.5	24
50	25	60	25	26	50	35	25	20	52	22	78	3/8"BSPP	45	239	M18x1.5	24
	30	60	25	26	50	35	25	20	52	22	78	3/8"BSPP	45	239	M24x2.0	32
63	30	75	30	26	52	42	31.5	20	57	24	88	3/8"BSPP	53	265	M24x2.0	32
	35	75	30	26	52	42	31.5	20	57	24	88	3/8"BSPP	53	265	M24x2.0	32
	40	75	30	26	52	42	31.5	20	57	24	88	3/8"BSPP	53	265	M27x2.0	36
80	40	95	35	32	62	52	38	20	62	30	100	1/2"BSPP	68	308	M27x2.0	36
	45	95	35	32	62	52	38	25	62	30	105	1/2"BSPP	68	313	M33x2.0	45
	50	95	35	32	62	52	38	25	62	30	105	1/2"BSPP	68	313	M33x2.0	45
90	45	105	40	40	78	55	41	25	65	30	110	1/2"BSPP	73	324	M33x2.0	45
	50	105	40	40	78	55	41	25	65	30	110	1/2"BSPP	73	324	M33x2.0	45
	60	105	40	40	78	55	41	28	65	30	114	1/2"BSPP	73	328	M42x2.0	56
100	50	115	40	40	80	60	45	25	73	35	118	1/2"BSPP	78	356	M33x2.0	45
	70	115	40	40	80	60	45	28	73	35	120	1/2"BSPP	78	358	M48x2.0	63
120	60	140	50	45	90	65	50	28	75	42	125	1/2"BSPP	90	379	M42x2.0	56
	70	140	50	45	90	65	50	28	75	42	125	1/2"BSPP	90	379	M48x2.0	63
	80	140	50	45	90	65	50	28	75	42	125	1/2"BSPP	90	379	M52x2.0	70
125	60	145	50	45	90	65	50	28	76	33	125	3/4"BSPP	98	364	M42x2.0	56
	70	145	50	45	90	65	50	28	76	33	125	3/4"BSPP	98	364	M48x2.0	63
	80	145	50	45	90	65	50	28	76	33	125	3/4"BSPP	98	364	M52x2.0	70
140	70	160	60	55	105	78	63.5	28	82	35	146	3/4"BSPP	105	415	M48x2.0	63
	90	160	60	55	105	78	63.5	30	82	35	148	3/4"BSPP	105	417	M64x3.0	85
150	80	170	60	60	110	85	70	28	86	45	155	3/4"BSPP	110	452	M52x2.0	70
	90	170	60	60	110	85	70	30	86	45	155	3/4"BSPP	110	452	M64x3.0	85
160	80	180	60	65	120	90	76	28	92	45	163	3/4"BSPP	115	470	M52x2.0	70
	90	180	60	65	120	90	76	30	92	45	165	3/4"BSPP	115	472	M64x3.0	85
	100	180	60	65	120	90	76	30	92	45	165	3/4"BSPP	115	472	M68x3.0	88
180	90	210	70	70	130	95	80	30	102	54	180	1" BSPP	135	523	M64x3.0	85
	100	210	70	70	130	95	80	30	102	54	180	1" BSPP	135	523	M68x3.0	88
	125	210	70	70	130	95	80	30	102	54	180	1" BSPP	135	523	M88x3.0	95
200	100	230	80	85	150	105	89	30	106	60	190	1" BSPP	145	557	M68x3.0	88
	125	230	80	85	150	105	89	30	106	60	190	1" BSPP	145	557	M88x3.0	95
	140	230	80	85	150	105	89	35	106	60	195	1" BSPP	145	562	M100x3.0	112
230	125	273	90	90	165	115	95	30	120	75	205	1-1/4"BSPP	170	620	M88x3.0	95
	140	273	90	90	165	115	95	35	120	75	210	1-1/4"BSPP	170	625	M100x3.0	112
250 **	125	298	100	90	180	140	120	30	142	82	233	1-1/4"BSPP	182	743	M88x3.0	95
	140	298	100	90	180	140	120	35	142	82	239	1-1/4"BSPP	182	749	M100x3.0	112
	180	298	100	90	180	140	120	40	142	82	243	1-1/4"BSPP	182	753	M110x3.0	125

\*\* Head gland design differs from above drawing.

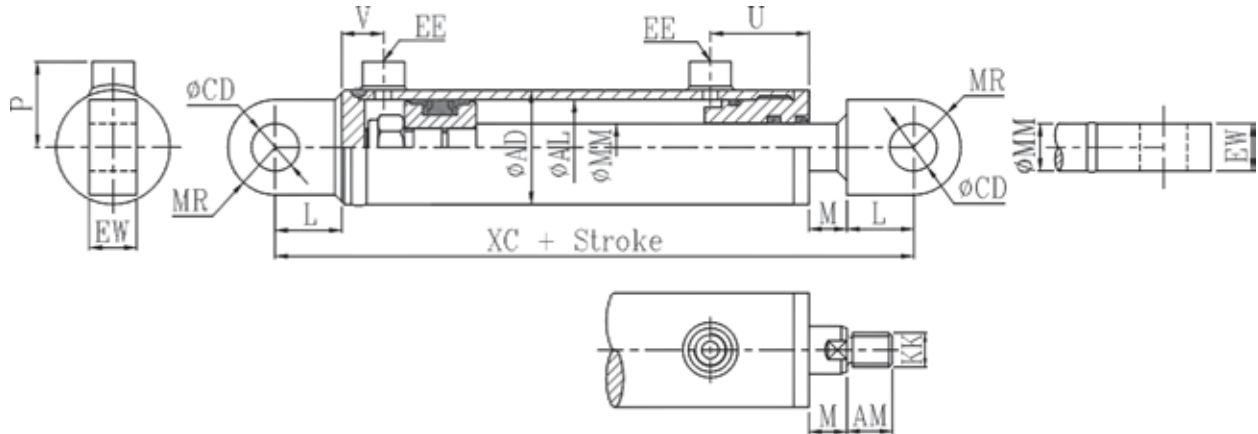
## 210 Bar Standard Cylinder Mounting : MF3 Front Flange



Bore AL	Rod MM	AD	FB	FC	UC	NF	M	U	V	WC	EE	P	XC	KK	AM
40	25	50	11	90	110	12	20	32	22	36	3/8"BSPP	40	158	M18x1.5	24
50	25	60	13	104	135	15	20	32	22	36	3/8"BSPP	45	161	M18x1.5	24
	30	60	13	104	135	15	20	32	22	36	3/8"BSPP	45	161	M24x2.0	32
63	30	75	13	118	150	18	20	32	24	40	3/8"BSPP	53	175	M24x2.0	32
	35	75	13	118	150	18	20	32	24	40	3/8"BSPP	53	175	M24x2.0	32
	40	75	13	118	150	18	20	32	24	40	3/8"BSPP	53	175	M27x2.0	36
80	40	95	15	140	175	19	20	36	30	40	1/2"BSPP	68	196	M27x2.0	36
	45	95	15	140	175	19	25	36	30	45	1/2"BSPP	68	201	M33x2.0	45
	50	95	15	140	175	19	25	36	30	45	1/2"BSPP	68	201	M33x2.0	45
90	45	105	15	156	190	22	25	36	33	45	1/2"BSPP	73	207	M33x2.0	45
	50	105	15	156	190	22	25	36	33	45	1/2"BSPP	73	207	M33x2.0	45
	60	105	15	156	190	22	28	36	33	48	1/2"BSPP	73	210	M42x2.0	56
100	50	115	17	166	200	25	25	36	40	47	1/2"BSPP	78	222	M33x2.0	45
	70	115	17	166	200	25	28	36	40	50	1/2"BSPP	78	225	M48x2.0	63
120	60	140	21	206	245	28	28	36	48	50	1/2"BSPP	90	238	M42x2.0	56
	70	140	21	206	245	28	28	36	48	50	1/2"BSPP	90	238	M48x2.0	63
	80	140	21	206	245	28	28	36	48	50	1/2"BSPP	90	238	M52x2.0	70
125	60	145	21	210	250	28	28	38	38	50	3/4"BSPP	98	226	M42x2.0	56
	70	145	21	210	250	28	28	38	38	50	3/4"BSPP	98	226	M48x2.0	63
	80	145	21	210	250	28	28	38	38	50	3/4"BSPP	98	226	M52x2.0	70
140	70	160	25	230	280	32	28	38	38	52	3/4"BSPP	105	243	M48x2.0	63
	90	160	25	230	280	32	30	38	38	54	3/4"BSPP	105	245	M64x3.0	85
150	80	170	32	260	320	35	28	38	50	58	3/4"BSPP	110	270	M52x2.0	70
	90	170	32	260	320	35	30	38	50	60	3/4"BSPP	110	272	M64x3.0	85
160	80	180	32	270	340	35	28	38	50	58	3/4"BSPP	115	266	M52x2.0	70
	90	180	32	270	340	35	30	38	50	60	3/4"BSPP	115	268	M64x3.0	85
	100	180	32	270	340	35	30	38	50	60	3/4"BSPP	115	268	M68x3.0	88
180	90	210	32	306	365	38	30	45	66	60	1"BSPP	135	310	M64x3.0	85
	100	210	32	306	365	38	30	45	66	60	1"BSPP	135	310	M68x3.0	88
	125	210	32	306	365	38	30	45	66	60	1"BSPP	135	310	M88x3.0	95
200	100	230	32	320	380	44	30	45	76	65	1"BSPP	145	333	M68x3.0	88
	125	230	32	320	380	44	30	45	76	65	1"BSPP	145	333	M88x3.0	95
	140	230	32	320	380	44	35	45	76	70	1"BSPP	145	338	M100x3.0	112
230	125	273	32	386	440	70	30	52	94	68	1-1/4"BSPP	170	403	M88x3.0	95
	140	273	32	386	440	70	35	52	94	73	1-1/4"BSPP	170	408	M100x3.0	112
250 **	125	298	38	420	495	88	30	52	102	105	1-1/4"BSPP	182	505	M88x3.0	95
	140	298	38	420	495	88	35	52	102	110	1-1/4"BSPP	182	510	M100x3.0	112
	180	298	38	420	495	88	40	52	102	115	1-1/4"BSPP	182	515	M110x3.0	125

\*\* Head gland design differs from above drawing.

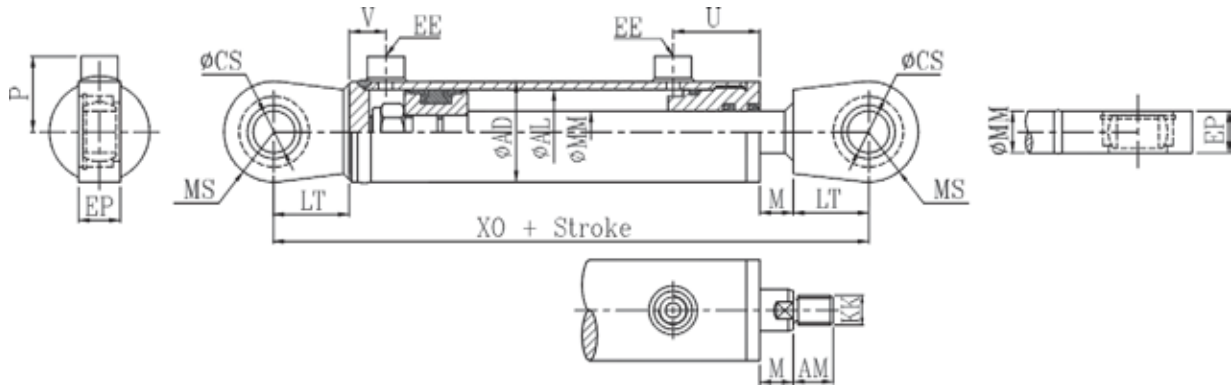
## 210 Bar Standard Cylinder Mounting : MP3 Male Clevis



Bore AL	Rod MM	AD	CD	EW	L	MR	M	U	V	EE	P	XC	KK	AM
40	25	50	20	20	35	22.5	20	52	22	3/8"BSPP	40	213	M18x1.5	24
50	25	60	25	25	35	25	20	52	22	3/8"BSPP	45	216	M18x1.5	24
	30	60	25	25	35	25	20	52	22	3/8"BSPP	45	216	M24x2.0	32
63	30	75	30	30	40	30	20	57	24	3/8"BSPP	53	235	M24x2.0	32
	35	75	30	30	40	30	20	57	24	3/8"BSPP	53	235	M24x2.0	32
	40	75	30	30	40	30	20	57	24	3/8"BSPP	53	235	M27x2.0	36
80	40	95	35	35	50	35	20	62	30	1/2"BSPP	68	276	M27x2.0	36
	45	95	35	35	50	35	25	62	30	1/2"BSPP	68	281	M33x2.0	45
	50	95	35	35	50	35	25	62	30	1/2"BSPP	68	281	M33x2.0	45
90	45	105	40	38	55	40	25	65	30	1/2"BSPP	73	294	M33x2.0	45
	50	105	40	38	55	40	25	65	30	1/2"BSPP	73	294	M33x2.0	45
	60	105	40	38	55	40	28	65	30	1/2"BSPP	73	297	M42x2.0	56
100	50	115	40	45	60	45	25	73	35	1/2"BSPP	78	323	M33x2.0	45
	70	115	40	45	60	45	28	73	35	1/2"BSPP	78	326	M48x2.0	63
120	60	140	50	50	65	50	28	75	42	1/2"BSPP	90	347	M42x2.0	56
	70	140	50	50	65	50	28	75	42	1/2"BSPP	90	347	M48x2.0	63
	80	140	50	50	65	50	28	75	42	1/2"BSPP	90	347	M52x2.0	70
125	60	145	50	50	65	50	28	76	33	3/4"BSPP	98	332	M42x2.0	56
	70	145	50	50	65	50	28	76	33	3/4"BSPP	98	332	M48x2.0	63
	80	145	50	50	65	50	28	76	33	3/4"BSPP	98	332	M52x2.0	70
140	70	160	60	63	75	60	28	82	35	3/4"BSPP	105	369	M48x2.0	63
	90	160	60	63	75	60	30	82	35	3/4"BSPP	105	371	M64x3.0	85
150	80	170	60	65	85	70	28	86	45	3/4"BSPP	110	410	M52x2.0	70
	90	170	60	65	85	70	30	86	45	3/4"BSPP	110	412	M64x3.0	85
160	80	180	60	70	90	75	28	92	45	3/4"BSPP	115	425	M52x2.0	70
	90	180	60	70	90	75	30	92	45	3/4"BSPP	115	427	M64x3.0	85
	100	180	60	70	90	75	30	92	45	3/4"BSPP	115	427	M68x3.0	88
180	90	210	70	75	98	82	30	102	54	1"BSPP	135	474	M64x3.0	85
	100	210	70	75	98	82	30	102	54	1"BSPP	135	474	M68x3.0	88
	125	210	70	75	98	82	30	102	54	1"BSPP	135	474	M88x3.0	95
200	100	230	80	90	105	87.5	30	106	60	1"BSPP	145	502	M68x3.0	88
	125	230	80	90	105	87.5	30	106	60	1"BSPP	145	502	M88x3.0	95
	140	230	80	90	105	87.5	35	106	60	1"BSPP	145	507	M100x3.0	112
230	125	273	90	90	115	95	30	120	75	1-1/4"BSPP	170	560	M88x3.0	95
	140	273	90	90	115	95	35	120	75	1-1/4"BSPP	170	565	M100x3.0	112
250 **	125	298	100	100	140	120	30	142	82	1-1/4"BSPP	182	680	M88x3.0	95
	140	298	100	100	140	120	35	142	82	1-1/4"BSPP	182	685	M100x3.0	112
	180	298	100	100	140	120	40	142	82	1-1/4"BSPP	182	690	M110x3.0	125

\*\* Head gland design differs from above drawing.

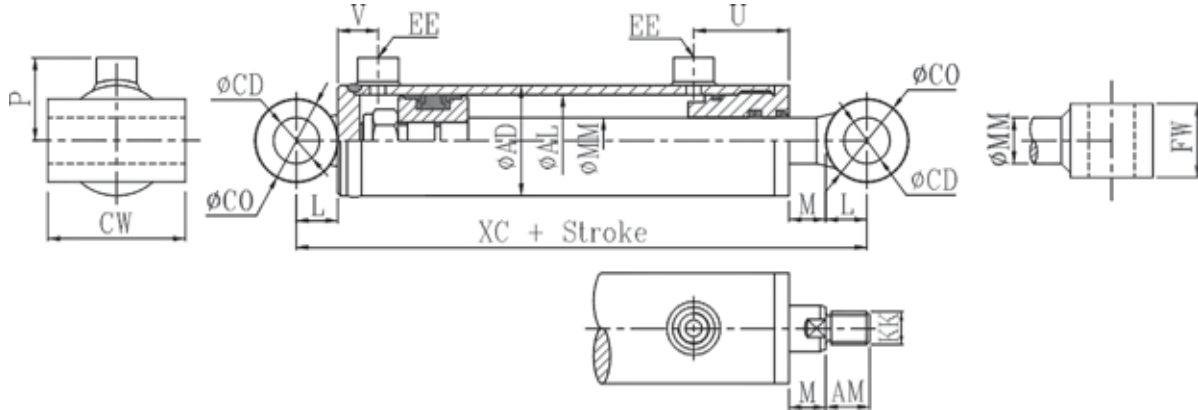
## 210 Bar Standard Cylinder Mounting : MP5 Spherical Bearing



AL	MM	AD	CS	EP	LT	MS	M	U	V	EE	P	XO	KK	AM
40	25	50	20	20	42	27	20	52	22	3/8" BSPP	40	227	M18x1.5	24
50	25	60	25	25	45	30	20	52	22	3/8" BSPP	45	236	M18x1.5	24
	30	60	25	25	45	30	20	52	22	3/8" BSPP	45	236	M24x2.0	32
63	30	75	30	32	50	35	20	57	24	3/8" BSPP	53	255	M24x2.0	32
	35	75	30	32	50	35	20	57	24	3/8" BSPP	53	255	M27x2.0	32
	40	75	30	32	50	35	20	57	24	3/8" BSPP	53	255	M27x2.0	36
80	40	95	40	32	57	42	20	62	30	1/2" BSPP	68	290	M27x2.0	36
	45	95	40	32	57	42	25	62	30	1/2" BSPP	68	295	M33x2.0	45
	50	95	40	32	57	42	25	62	30	1/2" BSPP	68	295	M33x2.0	45
90	45	105	40	38	65	50	25	65	30	1/2" BSPP	73	314	M33x2.0	45
	50	105	40	38	65	50	25	65	30	1/2" BSPP	73	314	M33x2.0	45
	60	105	40	38	65	50	28	65	30	1/2" BSPP	73	317	M42x2.0	56
100	50	115	45	45	70	55	25	73	35	1/2" BSPP	78	343	M33x2.0	45
	70	115	45	45	70	55	28	73	35	1/2" BSPP	78	346	M48x2.0	63
120	60	140	50	50	70	55	28	75	42	1/2" BSPP	90	357	M42x2.0	56
	70	140	50	50	70	55	28	75	42	1/2" BSPP	90	357	M48x2.0	63
	80	140	50	50	70	55	28	75	42	1/2" BSPP	90	357	M52x2.0	70
125	60	145	50	50	70	55	28	76	33	3/4" BSPP	98	342	M42x2.0	56
	70	145	50	50	70	55	28	76	33	3/4" BSPP	98	342	M48x2.0	63
	80	145	50	50	70	55	28	76	33	3/4" BSPP	98	342	M52x2.0	70
140	70	160	60	63	95	80	28	82	35	3/4" BSPP	105	409	M48x2.0	63
	90	160	60	63	95	80	30	82	35	3/4" BSPP	105	411	M64x3.0	85
150	80	170	60	70	100	85	28	86	45	3/4" BSPP	110	440	M52x2.0	70
	90	170	60	70	100	85	30	86	45	3/4" BSPP	110	442	M64x3.0	85
160	80	180	70	70	105	90	28	92	45	3/4" BSPP	115	455	M52x2.0	70
	90	180	70	70	105	90	30	92	45	3/4" BSPP	115	457	M64x3.0	85
	100	180	70	70	105	90	30	92	45	3/4" BSPP	115	457	M68x3.0	88
180	90	210	80	80	120	105	30	102	54	1" BSPP	135	518	M64x3.0	85
	100	210	80	80	120	105	30	102	54	1" BSPP	135	518	M68x3.0	88
	125	210	80	80	120	105	30	102	54	1" BSPP	135	518	M88x3.0	95
200	100	230	80	100	125	110	30	106	60	1" BSPP	145	542	M68x3.0	88
	125	230	80	100	125	110	30	106	60	1" BSPP	145	542	M88x3.0	95
	140	230	80	100	125	110	35	106	60	1" BSPP	145	547	M100x3.0	112
230	125	273	90	100	135	115	30	120	75	1-1/4" BSPP	170	600	M88x3.0	95
	140	273	90	100	135	115	35	120	75	1-1/4" BSPP	170	605	M88x3.0	112
250 **	125	298	100	100	145	125	30	142	82	1-1/4" BSPP	182	690	M88x3.0	95
	140	298	100	100	145	125	35	142	82	1-1/4" BSPP	182	695	M100x3.0	112
	180	298	100	100	145	125	40	142	82	1-1/4" BSPP	182	700	M110x3.0	125

\*\* Head gland design differs from above drawing.

## 210 Bar Standard Cylinder Mounting : MP8 Female Clevis

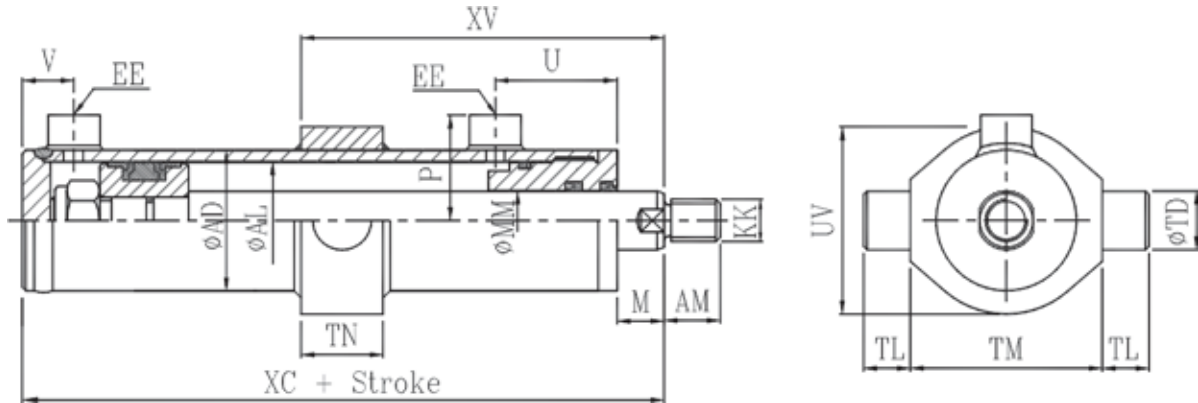


Bore AL	Rod MM	AD	CD	CW	FW	L	CO	M	U	V	EE	P	XC	KK	AM
40	25	50	20	65	40	22.5	45	20	52	22	3/8"BSPP	40	188	M18x1.5	24
50	25	60	25	75	40	22.5	45	20	52	22	3/8"BSPP	45	191	M18x1.5	24
	30	60	25	75	45	22.5	45	20	52	22	3/8"BSPP	45	191	M24x2.0	32
63	30	75	30	90	45	28.5	57	20	57	24	3/8"BSPP	53	212	M24x2.0	32
	35	75	30	90	50	28.5	57	20	57	24	3/8"BSPP	53	212	M24x2.0	32
	40	75	30	90	55	28.5	57	20	57	24	3/8"BSPP	53	212	M27x2.0	36
80	40	95	35	110	55	35	70	20	62	30	1/2"BSPP	68	246	M27x2.0	36
	45	95	35	110	60	35	70	25	62	30	1/2"BSPP	68	251	M33x2.0	45
	50	95	35	110	65	35	70	25	62	30	1/2"BSPP	68	251	M33x2.0	45
90	45	105	40	120	60	38	76	25	65	30	1/2"BSPP	73	260	M33x2.0	45
	50	105	40	120	65	38	76	25	65	30	1/2"BSPP	73	260	M33x2.0	45
	60	105	40	120	75	38	76	28	65	30	1/2"BSPP	73	263	M42x2.0	56
100	50	115	40	130	65	38	76	25	73	35	1/2"BSPP	78	279	M33x2.0	45
	70	115	40	130	85	38	76	28	73	35	1/2"BSPP	78	282	M48x2.0	63
120	60	140	50	155	75	41	82	28	75	42	1/2"BSPP	90	299	M42x2.0	56
	70	140	50	155	85	41	82	28	75	42	1/2"BSPP	90	299	M48x2.0	63
	80	140	50	155	95	41	82	28	75	42	1/2"BSPP	90	299	M52x2.0	70
125	60	145	50	160	75	41	82	28	76	33	3/4"BSPP	98	284	M42x2.0	56
	70	145	50	160	85	41	82	28	76	33	3/4"BSPP	98	284	M48x2.0	63
	80	145	50	160	95	41	82	28	76	33	3/4"BSPP	98	284	M52x2.0	70
140	70	160	60	175	85	50	100	28	82	35	3/4"BSPP	105	319	M48x2.0	63
	90	160	60	175	105	50	100	30	82	35	3/4"BSPP	105	321	M64x3.0	85
150	80	170	60	185	95	52.5	105	28	86	45	3/4"BSPP	110	345	M52x2.0	70
	90	170	60	185	105	52.5	105	30	86	45	3/4"BSPP	110	347	M64x3.0	85
160	80	180	60	195	95	55	110	28	92	45	3/4"BSPP	115	355	M52x2.0	70
	90	180	60	195	105	55	110	30	92	45	3/4"BSPP	115	357	M64x3.0	85
	100	180	60	195	115	55	110	30	92	45	3/4"BSPP	115	357	M68x3.0	88
180	90	210	70	225	105	63.5	127	30	102	54	1"BSPP	135	405	M64x3.0	85
	100	210	70	225	115	63.5	127	30	102	54	1"BSPP	135	405	M68x3.0	88
	125	210	70	225	140	63.5	127	30	102	54	1"BSPP	135	405	M88x3.0	95
200	100	230	80	245	115	67.5	135	30	106	60	1"BSPP	145	427	M68x3.0	88
	125	230	80	245	140	67.5	135	30	106	60	1"BSPP	145	427	M88x3.0	95
	140	230	80	245	155	67.5	135	35	106	60	1"BSPP	145	432	M100x3.0	112
230	125	273	90	288	140	75	150	30	120	75	1-1/4"BSPP	170	480	M88x3.0	95
	140	273	90	288	155	75	150	35	120	75	1-1/4"BSPP	170	485	M100x3.0	112
250**	125	298	100	315	140	80	160	30	142	82	1-1/4"BSPP	182	560	M88x3.0	95
	140	298	100	315	155	80	160	35	142	82	1-1/4"BSPP	182	565	M100x3.0	112
	180	298	100	315	195	80	160	40	142	82	1-1/4"BSPP	182	570	M110x3.0	125

\*\* Head gland design differs from above drawing.



## 210 Bar Standard Cylinder Mounting : MT4 Trunion Mount



AL Bore	MM Rod	AD	TD	TL	TM	TN	UV	XV (Min)	M	U	V	EE	P	XC	KK	AM
40	25	50	20	16	70	28	65	115	20	52	22	3/8"BSPP	40	143	M18x1.5	24
50	25	60	25	20	82	35	80	120	20	52	22	3/8"BSPP	45	146	M18x1.5	24
	30	60	25	20	82	35	80	120	20	52	22	3/8"BSPP	45	146	M24x2.0	32
63	30	75	30	25	105	45	100	127	20	57	24	3/8"BSPP	53	155	M24x2.0	32
	35	75	30	25	105	45	100	127	20	57	24	3/8"BSPP	53	155	M24x2.0	32
	40	75	30	25	105	45	100	127	20	57	24	3/8"BSPP	53	155	M27x2.0	36
80	40	95	40	35	135	50	125	138	20	62	30	1/2"BSPP	68	176	M27x2.0	36
	45	95	40	35	135	50	125	138	25	62	30	1/2"BSPP	68	181	M33x2.0	45
	50	95	40	35	135	50	125	138	25	62	30	1/2"BSPP	68	181	M33x2.0	45
90	45	105	45	40	140	57	135	150	25	65	33	1/2"BSPP	73	187	M33x2.0	45
	50	105	45	40	140	57	135	150	25	65	33	1/2"BSPP	73	187	M33x2.0	45
	60	105	45	40	140	57	135	150	28	65	33	1/2"BSPP	73	190	M42x2.0	56
100	50	115	45	40	160	57	145	160	25	73	40	1/2"BSPP	78	207	M33x2.0	45
	70	115	45	40	160	57	145	160	28	73	40	1/2"BSPP	78	210	M48x2.0	63
120	60	140	50	50	170	63	175	165	28	75	48	1/2"BSPP	90	223	M42x2.0	56
	70	140	50	50	170	63	175	165	28	75	48	1/2"BSPP	90	223	M48x2.0	63
	80	140	50	50	170	63	175	165	28	75	48	1/2"BSPP	90	223	M52x2.0	70
125	60	145	50	50	175	63	180	170	28	76	38	3/4"BSPP	98	206	M42x2.0	56
	70	145	50	50	175	63	180	170	28	76	38	3/4"BSPP	98	206	M48x2.0	63
	80	145	50	50	175	63	180	170	28	76	38	3/4"BSPP	98	206	M52x2.0	70
140	70	160	55	55	190	63	200	175	28	82	38	3/4"BSPP	105	223	M48x2.0	63
	90	160	55	55	190	63	200	175	30	82	38	3/4"BSPP	105	225	M64x3.0	85
150	80	170	60	55	230	76	215	185	28	86	50	3/4"BSPP	110	245	M52x2.0	70
	90	170	60	55	230	76	215	185	30	86	50	3/4"BSPP	110	247	M64x3.0	85
160	80	180	65	63	245	80	225	195	38	92	50	3/4"BSPP	115	251	M52x2.0	70
	90	180	65	63	245	80	225	195	30	92	50	3/4"BSPP	115	253	M64x3.0	85
	100	180	65	63	245	80	225	195	30	92	50	3/4"BSPP	115	253	M68x3.0	88
180	90	210	70	70	270	80	255	210	30	102	66	1"BSPP	135	290	M64x3.0	85
	100	210	70	70	270	80	255	210	30	102	66	1"BSPP	135	290	M68x3.0	88
	125	210	70	70	270	80	255	210	30	102	66	1"BSPP	135	290	M88x3.0	95
200	100	230	80	80	290	100	275	225	30	106	76	1"BSPP	145	308	M68x3.0	88
	125	230	80	80	290	100	275	225	30	106	76	1"BSPP	145	308	M88x3.0	95
	140	230	80	80	290	100	275	225	35	106	76	1"BSPP	145	313	M100x3.0	112
230	125	273	90	90	333	100	320	230	30	120	94	1-1/4"BSPP	170	348	M88x3.0	95
	140	273	90	90	333	100	320	230	35	120	94	1-1/4"BSPP	170	353	M100x3.0	112
250 **	125	298	100	100	360	127	340	275	30	142	102	1-1/4"BSPP	182	420	M88x3.0	95
	140	298	100	100	360	127	340	275	35	142	102	1-1/4"BSPP	182	425	M100x3.0	112
	180	298	100	100	360	127	340	275	40	142	102	1-1/4"BSPP	182	430	M110x3.0	125

\*\* Head gland design differs from above drawing.

Example : **PHE-D** - **80** / **40** - **1000** - **MP3** - **S**  
                   1      2          3      4          5      6

1. CYLINDER TYPE	
<i>PHE-D</i>	DOUBLE-ACTING
<i>PHE-S</i>	SINGLE-ACTING
<i>PHE-R</i>	DISPLACEMENT TYPE

2. BARREL BORE DIAMETER	
	DIMENSION (40-250mm)*

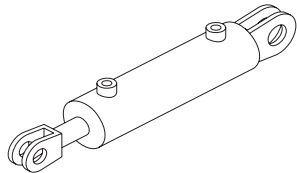
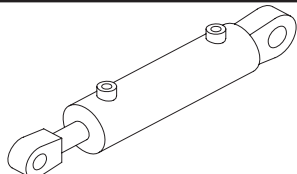
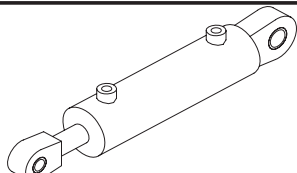
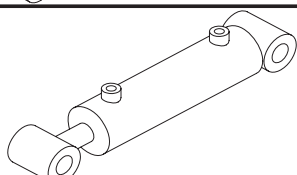
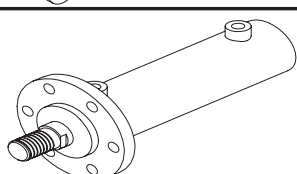
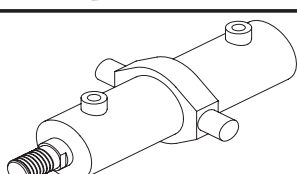
3. PISTON BOD DIAMETER	
	DIMENSION (25-180mm)*

4. STROKE LENGTH	
	STROKE IN MM UP TO 6000*

6. SPECIAL MODIFICATION	
O	PHE MOUNTING STANDARD
S	SPECIAL

5. MOUNTING	CODE
	MP1
	FEMALE CLEVIS
	MP3
	MALE CLEVIS
	MP5
	SPHERICAL BEARING
	MP8
	PIN EYE
	MF3
	FRONT FLANGE
	MT4
	TRUNNION FLANGE

NOTE \* OTHER SIZES ARE ALSO AVAILABLE

## SEAL KIT ORDERING CODE

Example : **SK** - **PHE-D** - **80** / **40**  
                   1      2          3      4

1. SEAL KITS	

2. CYLINDER TYPE	
<i>PHE-D</i>	DOUBLE-ACTING
<i>PHE-S</i>	SINGLE-ACTING
<i>PHE-R</i>	DISPLACEMENT TYPE

3. BARREL BORE DIAMETER	
	DIMENSION (40-250mm)

4. PISTON ROD DIAMETER	
	DIMENSION (25-180mm)