

**TMSE Double Acting Hydraulic Cylinders**

Double Acting Cylinder or Single Acting with Breather

Max Working Pressure - 250 BAR

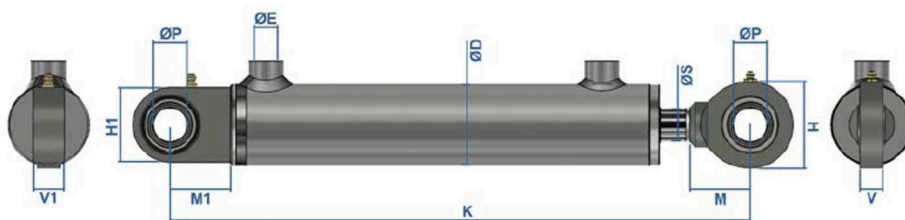
Max Speed - 0.5 M/Sec

Operating Temp - +80 to -25

Tube - Steel ST52.3 - DIN2393 ISO H9

Chrome Rod - Steel UNI C45

25 Micron - EN8 Grade



PART NUMBER	BORE Ø (mm)	D Ø (mm)	S Ø (mm)	Closed Centres K (mm)	STROKE (mm)	E (BSP)	M (mm)	M1 (mm)	P Ø (mm)	H Ø (mm)	H1 Ø (mm)	V1 (mm)	V (mm)	WEIGHT (kg's)
TMSE-32-20-050				225	50									1.8
TMSE-32-20-100				275	100									2.1
TMSE-32-20-150				325	150									2.45
TMSE-32-20-200	32	42	20	375	200	1/4 BSP	35	35	16	46	48	17.5	14	2.8
TMSE-32-20-250				425	250									3.2
TMSE-32-20-300				475	300									3.5
TMSE-32-20-400				575	400									4.2
TMSE-32-20-500				675	500									4.9
TMSE-40-20-100				300	100									2.77
TMSE-40-20-150				350	150									3.17
TMSE-40-20-200				400	200									3.55
TMSE-40-20-250				450	250									3.95
TMSE-40-20-300	40	50	20	500	300	1/4 BSP	35	35	16	46	48	17.5	14	4.35
TMSE-40-20-350				550	350									4.77
TMSE-40-20-400				600	400									5.15
TMSE-40-20-450				650	450									5.58
TMSE-40-20-500				700	500									5.99
TMSE-40-25-100				300	100									3
TMSE-40-25-150				350	150									3.45
TMSE-40-25-200				400	200									3.89
TMSE-40-25-250				450	250									4.35
TMSE-40-25-300				500	300									4.82
TMSE-40-25-350	40	50	25	550	350	1/4 BSP	35	35	16	46	48	17.5	14	5.29
TMSE-40-25-400				600	400									5.75
TMSE-40-25-450				650	450									6.22
TMSE-40-25-500				700	500									6.7
TMSE-40-25-550				750	550									7.1
TMSE-40-25-600				800	600									7.63
TMSE-50-25-100				316	100									3.94
TMSE-50-25-150				366	150									4.48
TMSE-50-25-200				416	200									4.99
TMSE-50-25-250				466	250									5.5
TMSE-50-25-300				516	300									6
TMSE-50-25-350				566	350									6.59
TMSE-50-25-400	50	60	25	616	400	1/4 BSP	38	38	20	53	50	19	16	7.05
TMSE-50-25-450				666	450									7.95
TMSE-50-25-500				716	500									8.08
TMSE-50-25-550				766	550									8.71
TMSE-50-25-600				816	600									9.11
TMSE-50-25-800				1016	800									11.36
TMSE-50-25-1000				1261	1000									13.52
TMSE-50-30-150				366	150									4.76
TMSE-50-30-200				416	200									5.39
TMSE-50-30-250				466	250									6
TMSE-50-30-300				516	300									6.62
TMSE-50-30-350				566	350									7.2
TMSE-50-30-400	50	60	30	616	400	3/8 BSP	38	38	20	53	50	19	16	7.85
TMSE-50-30-450				666	450									8.45
TMSE-50-30-500				716	500									9.07
TMSE-50-30-550				766	550									9.89
TMSE-50-30-600				816	600									10.29
TMSE-50-30-700				916	700									11.5
TMSE-50-30-800				1016	800									12.75
TMSE-50-30-1000				1216	1000									15.22

**Special versions of this cylinder design are available on request**

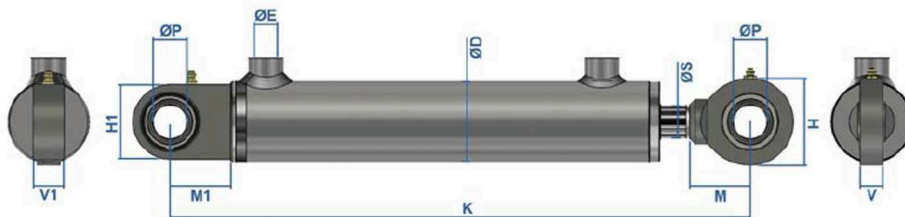
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Double Acting Cylinder or Single Acting with Breather

Max Working Pressure - 250 BAR  
 Max Speed - 0.5 M/Sec  
 Operating Temp - +80 to -25  
 Tube - Steel ST52.3 - DIN2393 ISO H9  
 Chrome Rod - Steel UNI C45  
 25 Micron - EN8 Grade



PART NUMBER	BORE Ø (mm)	D Ø (mm)	S Ø (mm)	Closed Centres K (mm)	STROKE (mm)	E (BSP)	M (mm)	M1 (mm)	P Ø (mm)	H (mm)	H1 (mm)	V1 (mm)	V (mm)	WEIGHT (kg's)
TMSE-60-30-100				350	100									5.85
TMSE-60-30-150				400	150									6.58
TMSE-60-30-200				450	200									7.23
TMSE-60-30-250				500	250									7.9
TMSE-60-30-300				550	300									8.58
TMSE-60-30-350				600	350									9.23
TMSE-60-30-400	60	70	30	650	400	3/8 BSP	45	45	35	64	55	23	20	9.93
TMSE-60-30-450				700	450									10.56
TMSE-60-30-500				750	500									11.28
TMSE-60-30-550				800	550									11.89
TMSE-60-30-600				850	600									12.63
TMSE-60-30-800				1050	800									15.28
TMSE-60-30-1000				1250	1000									18.03
TMSE-60-40-200				450	200									8.28
TMSE-60-40-250				500	250									9.17
TMSE-60-40-300				550	300									10.06
TMSE-60-40-350				600	350									10.93
TMSE-60-40-400				650	400									11.82
TMSE-60-40-450	60	70	40	700	450	3/8 BSP	45	45	35	64	55	23	20	12.87
TMSE-60-40-500				750	500									13.55
TMSE-60-40-550				800	550									14.48
TMSE-60-40-600				850	600									15.33
TMSE-60-40-800				1050	800									18.85
TMSE-60-40-1000				1250	1000									22.43
TMSE-63-40-200				450	200									8.84
TMSE-63-40-250				500	250									9.54
TMSE-63-40-300				550	300									10.44
TMSE-63-40-350				600	350									11.34
TMSE-63-40-400				650	400									12.24
TMSE-63-40-450	63	73	40	700	450	3/8 BSP	45	45	25	64	55	20	23	13.14
TMSE-63-40-500				750	500									14.04
TMSE-63-40-550				800	550									14.94
TMSE-63-40-600				850	600									15.84
TMSE-63-40-800				1050	800									19.54
TMSE-63-40-1000				1250	1000									23.14
TMSE-70-35-100				350	100									7.13
TMSE-70-35-150				400	150									7.99
TMSE-70-35-200				450	200									8.78
TMSE-70-35-250				500	250									9.54
TMSE-70-35-300				550	300									10.44
TMSE-70-35-350				600	350									11.3
TMSE-70-35-400	70	80	35	650	400	3/8 BSP	45	45	25	64	55	23	20	12.04
TMSE-70-35-450				700	450									12.92
TMSE-70-35-500				750	500									13.64
TMSE-70-35-550				800	550									14.7
TMSE-70-35-600				850	600									15.24
TMSE-70-35-800				1050	800									18.5
TMSE-70-35-1000				1250	1000									22.3
TMSE-70-40-200				450	200									9.32
TMSE-70-40-250				500	250									10.2
TMSE-70-40-300				550	300									11.28
TMSE-70-40-350				600	350									12.24
TMSE-70-40-400				650	400									13.84
TMSE-70-40-450	70	80	40	700	450	3/8 BSP	45	45	25	64	55	23	20	14.15
TMSE-70-40-500				750	500									15.05
TMSE-70-40-550				800	550									16.14
TMSE-70-40-600				850	600									17.03
TMSE-70-40-800				1050	800									20.77
TMSE-70-40-1000				1250	1000									24.55

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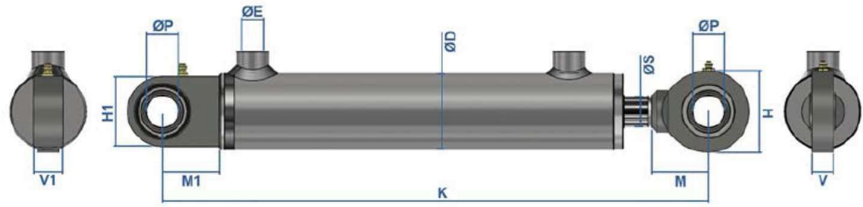
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TMSE-80-40-200				482	200									12.87
TMSE-80-40-250				532	250									13.81
TMSE-80-40-300				582	300									14.94
TMSE-80-40-300	80	92	40	682	400	1/2 BSP	51	51	30	73	65	28	22	17.15
TMSE-80-40-500				782	500									19.36
TMSE-80-40-600				882	600									21.57
TMSE-80-40-800				1082	800									26.09
TMSE-80-40-1000				1282	1000									30.51
TMSE-80-50-200				482	200									13.94
TMSE-80-50-250				532	250									15.32
TMSE-80-50-300				582	300									16.74
TMSE-80-50-400	80	92	50	682	400	1/2 BSP	51	51	30	73	65	28	22	19.54
TMSE-80-50-500				782	500									22.3
TMSE-80-50-600				882	600									25.59
TMSE-80-50-800				1082	800									31.09
TMSE-80-50-1000				1282	1000									36.59
TMSE-100-50-200				548	200									23.47
TMSE-100-50-250				598	250									25.47
TMSE-100-50-300				648	300									26.97
TMSE-100-50-400	100	115	50	748	400	1/2 BSP	69	69	40	92	100	35	28	30.47
TMSE-100-50-500				848	500									33.97
TMSE-100-50-600				948	600									36.47
TMSE-100-50-800				1048	800									44.47
TMSE-100-50-1000				1248	1000									51.47
TMSE-100-60-300				648	300									29.47
TMSE-100-60-400				748	400									33.47
TMSE-100-60-500	100	115	60	848	500	1/2 BSP	69	69	40	92	100	35	28	37.47
TMSE-100-60-600				948	600									41.47
TMSE-100-60-800				1148	800									49.97
TMSE-100-60-1000				1348	1000									58.47

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