

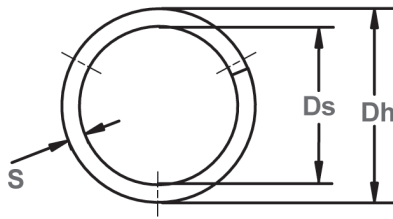
# Single Turn, Metric

Ideal for short deflection applications with low to medium forces. Offered in a number of waves and material thicknesses. Designed for a wide range of bore and rod diameters.

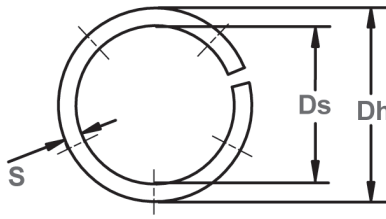
# MST Wave Springs



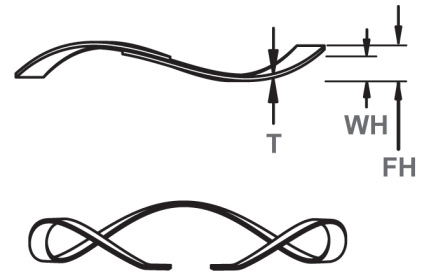
## Wave Spring Measurements



Overlap: Sizes -35 to -374  
3 Waves



Gap: Sizes -394 & up  
\*Multiple Waves  
(see table)



Optional End Design  
(Patent Pending)

WAVE SPRING NO.	CLINGS IN HOUSING DIAMETER	SHAFT DIAMETER CLEARANCE	LOAD (N)	WORK HEIGHT	FREE HEIGHT Ref.	NO. OF WAVES*	THICKNESS	SECTION	SPRING RATE Ref. N/mm
	Dh	Ds		WH	FH		T	S	
MST-35	9,0	6,86	25,8	1,00	1,50	3	0,20	0,81	52
MST-39	10,0	7,49	27,6	1,00	1,57	3	0,20	1,02	48
MST-43	11,0	8,46	29,4	1,00	1,83	3	0,20	1,02	35
MST-47	12,0	9,17	33,4	1,00	1,57	3	0,25	1,17	59
MST-51	13,0	9,53	37,8	1,00	1,57	3	0,25	1,47	66
MST-63	16,0	11,28	44,5	1,57	2,29	3	0,25	1,98	65
MST-75	19,0	14,28	53,4	1,57	3,05	3	0,25	1,98	35
MST-87	22,0	16,46	62,3	1,57	2,79	3	0,30	2,39	48
MST-95	24,0	18,46	66,7	1,57	3,56	3	0,30	2,39	35
MST-102	26,0	18,22	71,2	1,98	2,54	3	0,41	3,38	111
MST-110	28,0	20,22	75,6	1,98	2,79	3	0,41	3,38	85
MST-118	30,0	22,22	84,5	1,98	3,30	3	0,41	3,38	66
MST-126	32,0	24,22	89,0	1,98	3,81	3	0,41	3,38	52
MST-138	35,0	27,22	97,9	1,98	4,57	3	0,41	3,38	38
MST-146	37,0	28,72	102,3	1,98	3,81	3	0,46	3,63	58
MST-158	40,0	31,72	111,2	1,98	5,08	3	0,46	3,63	37
MST-165	42,0	33,72	115,7	1,98	3,05	4	0,46	3,63	99
MST-185	47,0	38,72	129,0	1,98	3,81	4	0,46	3,63	68
MST-205	52,0	43,11	142,4	2,36	3,56	4	0,61	3,76	121
MST-217	55,0	46,11	151,3	2,36	3,81	4	0,61	3,76	100
MST-244	62,0	51,69	169,1	2,36	4,32	4	0,61	4,52	85
MST-268	68,0	57,17	186,9	2,77	4,32	4	0,76	4,78	131
MST-276	70,0	59,17	191,3	2,77	4,32	4	0,76	4,78	119
MST-284	72,0	61,17	195,8	2,77	4,57	4	0,76	4,78	108
MST-295	75,0	64,17	204,7	2,77	5,08	4	0,76	4,78	94
MST-315	80,0	68,66	218,0	2,77	5,59	4	0,76	4,78	76
MST-335	85,0	71,38	231,4	2,77	5,59	4	0,76	5,92	83
MST-354	90,0	76,38	249,2	2,77	6,35	4	0,76	5,92	68
MST-374	95,0	81,38	262,5	2,77	7,37	4	0,76	5,92	57
MST-394	100,0	86,38	275,9	2,77	4,57	5	0,76	5,92	157
MST-413	105,0	91,38	289,2	2,77	5,08	5	0,76	5,92	134
MST-433	110,0	96,38	302,6	2,77	5,33	5	0,76	5,92	115
MST-453	115,0	101,38	315,9	3,18	6,35	5	0,76	5,92	99
MST-472	120,0	106,38	329,3	3,18	7,11	5	0,76	5,92	86
MST-492	125,0	111,38	342,6	3,18	7,62	5	0,76	5,92	76
MST-512	130,0	116,38	356,0	3,18	8,64	5	0,76	5,92	67
MST-532	135,0	121,38	369,3	3,18	9,40	5	0,76	5,92	59
MST-551	140,0	126,38	382,7	3,18	6,86	6	0,76	5,92	108
MST-571	145,0	131,38	396,0	3,18	7,37	6	0,76	5,92	97
MST-591	150,0	136,38	404,9	3,18	7,87	6	0,76	5,92	87
MST-630	160,0	146,38	440,5	3,18	9,40	6	0,76	5,92	71
MST-650	165,0	151,38	453,9	3,18	10,41	6	0,76	5,92	64
MST-669	170,0	156,38	467,2	3,18	11,18	6	0,76	5,92	58

ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED.

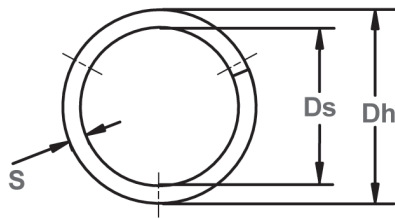


# MST Wave Springs

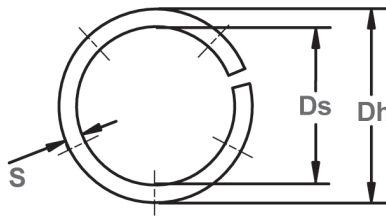
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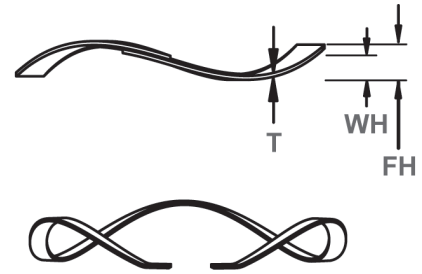
### Wave Spring Measurements



Overlap: Sizes -35 to -374  
3 Waves



Gap: Sizes -394 & up  
\*Multiple Waves  
(see table)



Optional End Design  
(Patent Pending)

WAVE SPRING NO.	CLINGS IN HOUSING DIAMETER	SHAFT DIAMETER CLEARANCE	LOAD (N)	WORK HEIGHT	FREE HEIGHT Ref.	NO. OF WAVES*	THICKNESS	SECTION	SPRING RATE Ref. N/mm
	Dh	Ds		WH	FH		T	S	
MST-689	175,0	154,16	480,6	3,96	8,13	6	0,81	9,53	116
MST-709	180,0	159,16	493,9	3,96	8,64	6	0,81	9,53	105
MST-728	185,0	164,16	507,3	3,96	9,14	6	0,81	9,53	97
MST-748	190,0	169,16	520,6	3,96	9,91	6	0,81	9,53	88
MST-787	200,0	179,16	547,3	3,96	7,11	7	0,81	9,53	174
MST-807	205,0	184,16	560,7	3,96	7,37	7	0,81	9,53	161
MST-827	210,0	189,16	578,5	3,96	7,87	7	0,81	9,53	149
MST-847	215,0	194,16	591,8	3,96	8,38	7	0,81	9,53	138
MST-866	220,0	199,16	605,2	3,96	8,64	7	0,81	9,53	128
MST-886	225,0	204,16	618,5	3,96	7,11	8	0,81	9,53	203
MST-906	230,0	209,16	631,9	3,96	6,10	9	0,81	9,53	303
MST-925	235,0	214,16	645,2	3,96	6,35	9	0,81	9,53	283
MST-945	240,0	219,16	658,6	3,96	6,35	9	0,81	9,53	265
MST-984	250,0	229,16	685,3	3,96	6,86	9	0,81	9,53	232
MST-1024	260,0	239,16	712,0	3,96	7,37	9	0,81	9,53	205
MST-1043	265,0	244,16	725,3	3,96	7,62	9	0,81	9,53	193
MST-1063	270,0	249,16	743,1	3,96	8,13	9	0,81	9,53	182
MST-1102	280,0	259,16	769,8	3,96	8,64	9	0,81	9,53	162
MST-1142	290,0	269,16	796,5	3,96	9,40	9	0,81	9,53	144
MST-1181	300,0	279,16	823,2	3,96	10,41	9	0,81	9,53	129
MST-1221	310,0	289,16	849,9	3,96	7,11	9	1,07	9,53	264
MST-1260	320,0	299,16	876,6	3,96	7,62	9	1,07	9,53	239
MST-1339	340,0	319,16	934,5	3,96	8,64	9	1,07	9,53	198
MST-1378	350,0	329,16	961,1	3,96	9,40	9	1,07	9,53	180
MST-1417	360,0	339,16	987,9	3,96	7,62	10	1,07	9,53	271
MST-1457	370,0	349,16	1014,6	3,96	8,13	10	1,07	9,53	249
MST-1496	380,0	359,16	1041,3	3,96	8,64	10	1,07	9,53	229
MST-1535	390,0	369,16	1072,4	3,96	9,14	10	1,07	9,53	211
MST-1575	400,0	379,16	1099,1	3,96	9,65	10	1,07	9,53	196
MST-1614	410,0	382,82	1125,8	3,96	8,38	10	1,07	12,70	251
MST-1654	420,0	392,82	1152,5	3,96	8,89	10	1,07	12,70	233
MST-1693	430,0	402,82	1179,2	3,96	7,62	11	1,07	12,70	317
MST-1732	440,0	412,82	1205,9	3,96	8,13	11	1,07	12,70	295
MST-1811	460,0	432,82	1263,7	3,96	8,89	11	1,07	12,70	256
MST-1890	480,0	452,82	1317,1	3,96	8,13	12	1,07	12,70	318
MST-1969	500,0	472,82	1370,5	3,96	8,89	12	1,07	12,70	280
MST-2126	540,0	512,82	1481,8	3,96	8,89	13	1,07	12,70	303
MST-2284	580,0	552,82	1593,0	3,96	8,89	14	1,07	12,70	327

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