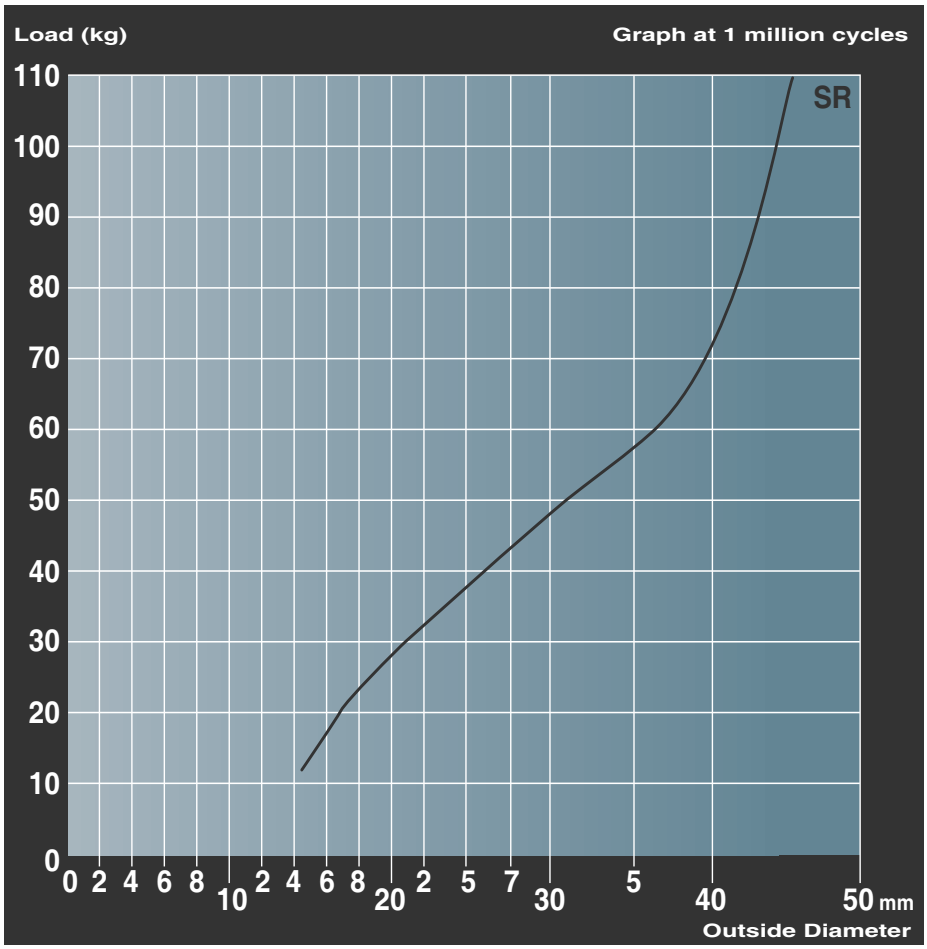
SPECIAL SPRINGS PLASTIC MOULD COIL SPRINGS

- High deflection springs for mould retrun pin
- Maximum deflection 60 %
- Spring life at 50 % deflection of free length is 1,000,000 cycles
- When working at a temperature of around 200℃ and a deflection of 50 % there will be a

TOLERANCES	
COLOUR	Ivory Ral 1014
OUTSIDE DIA.	+ 0.0 mm - 1.2 mm
INSIDE DIA.	+ 1.2 mm + 0.0 mm
FREE LENGTH	± 2 % ± 0.5 mm *at least*
SQUARENESS	Below 2°
LOAD	± 10 %
COILING	Right
DEFLECTION (% of free length)	40 ÷ 50 %
MAX. DEFL. (% of free length)	60 %



Outside Dia.	Inside Dia.	Free Length	Spring Code	Spring Costant	1 million 50 %		Solid Length
					Deflection	Load	
mm	mm	mm		Kgf / mm	mm	Kgf (N)	mm
14.5	8.5	20	**SR 14 - 020**	1.30	10.0	13 (127.5)	8
		25	**SR 14 - 025**	1.04	12.5		10
		30	**SR 14 - 030**	0.87	15.0		12
		35	**SR 14 - 035**	0.74	17.5		14
		40	**SR 14 - 040**	0.65	20.0		16
		45	**SR 14 - 045**	0.58	22.5		18
		50	**SR 14 - 050**	0.52	25.0		20
		55	**SR 14 - 055**	0.47	27.5		22
		60	**SR 14 - 060**	0.43	30.0		24
		65	**SR 14 - 065**	0.40	32.5		26
		70	**SR 14 - 070**	0.37	35.0		28
		75	**SR 14 - 075**	0.35	37.5		30
		80	**SR 14 - 080**	0.33	40.0		32
		90	**SR 14 - 090**	0.29	45.0		36
		100	**SR 14 - 100**	0.26	50.0		40
		125	**SR 14 - 125**	0.21	62.5		50

SR SERIES

Outside Dia.	Inside Dia.	Free Length	Spring Code	Spring Costant	1 million 50 %		Solid Length
					Deflection	Load	
mm	mm	mm		Kgf / mm	mm	Kgf (N)	mm
17	10.5	25	**SR 17 - 025**	1.60	12.5	20 (196.1)	10
		30	**SR 17 - 030**	1.33	15.0		12
		35	**SR 17 - 035**	1.14	17.5		14
		40	**SR 17 - 040**	1.00	20.0		16
		45	**SR 17 - 045**	0.89	22.5		18
		50	**SR 17 - 050**	0.80	25.0		20
		55	**SR 17 - 055**	0.73	27.5		22
		60	**SR 17 - 060**	0.67	30.0		24
		65	**SR 17 - 065**	0.62	32.5		26
		70	**SR 17 - 070**	0.57	35.0		28
		75	**SR 17 - 075**	0.53	37.5		30
		80	**SR 17 - 080**	0.50	40.0		32
		90	**SR 17 - 090**	0.44	45.0		36
		100	**SR 17 - 100**	0.40	50.0		40
		125	**SR 17 - 125**	0.32	62.5		50
		150	**SR 17 - 150**	0.27	75.0		60
21	13.5	30	**SR 21 - 030**	2.00	15.0	30 (294.1)	12
		35	**SR 21 - 035**	1.71	17.5		14
		40	**SR 21 - 040**	1.50	20.0		16
		45	**SR 21 - 045**	1.33	22.5		18
		50	**SR 21 - 050**	1.20	25.0		20
		55	**SR 21 - 055**	1.09	27.5		22
		60	**SR 21 - 060**	1.00	30.0		24
		65	**SR 21 - 065**	0.92	32.5		26
		70	**SR 21 - 070**	0.86	35.0		28
		75	**SR 21 - 075**	0.80	37.5		30
		80	**SR 21 - 080**	0.75	40.0		32
		90	**SR 21 - 090**	0.67	45.0		36
		100	**SR 21 - 100**	0.60	50.0		40
		110	**SR 21 - 110**	0.55	55.0		44
		120	**SR 21 - 120**	0.50	60.0		48
		125	**SR 21 - 125**	0.48	62.5		50
		130	**SR 21 - 130**	0.46	65.0		52
		140	**SR 21 - 140**	0.43	70.0		56
		150	**SR 21 - 150**	0.40	75.0		60
26	16.5	30	**SR 26 - 030**	2.67	15.0	40 (392.3)	12
		35	**SR 26 - 035**	2.29	17.5		14
		40	**SR 26 - 040**	2.00	20.0		16
		45	**SR 26 - 045**	1.78	22.5		18
		50	**SR 26 - 050**	1.60	25.0		20
		55	**SR 26 - 055**	1.45	27.5		22
		60	**SR 26 - 060**	1.33	30.0		24
		65	**SR 26 - 065**	1.23	32.5		26
		70	**SR 26 - 070**	1.14	35.0		28
		75	**SR 26 - 075**	1.07	37.5		30
		80	**SR 26 - 080**	1.00	40.0		32
		90	**SR 26 - 090**	0.89	45.0		36
		100	**SR 26 - 100**	0.80	50.0		40
		110	**SR 26 - 110**	0.73	55.0		44
		120	**SR 26 - 120**	0.67	60.0		48
		125	**SR 26 - 125**	0.64	62.5		50
		130	**SR 26 - 130**	0.62	65.0		52
		140	**SR 26 - 140**	0.57	70.0		56
		150	**SR 26 - 150**	0.53	75.0		60
		175	**SR 26 - 175**	0.46	87.5		70
		200	**SR 26 - 200**	0.40	100.0		80

SR SERIES

Outside Dia.	Inside Dia.	Free Length	Spring Code	Spring Costant	1 million 50 %		Solid Length
					Deflection	Load	
mm	mm	mm		Kgf / mm	mm	Kgf (N)	mm
31	21	40	**SR 31 - 040**	2.50	20.0	50 (490.3)	16
		45	**SR 31 - 045**	2.22	22.5		18
		50	**SR 31 - 050**	2.00	25.0		20
		60	**SR 31 - 060**	1.67	30.0		24
		70	**SR 31 - 070**	1.43	35.0		28
		80	**SR 31 - 080**	1.25	40.0		32
		90	**SR 31 - 090**	1.11	45.0		36
		100	**SR 31 - 100**	1.00	50.0		40
		110	**SR 31 - 110**	0.91	55.0		44
		120	**SR 31 - 120**	0.83	60.0		48
		125	**SR 31 - 125**	0.80	62.5		50
		130	**SR 31 - 130**	0.77	65.0		52
		140	**SR 31 - 140**	0.71	70.0		56
		150	**SR 31 - 150**	0.67	75.0		60
		160	**SR 31 - 160**	0.63	80.0		64
		170	**SR 31 - 170**	0.59	85.0		68
		175	**SR 31 - 175**	0.57	87.5		70
		180	**SR 31 - 180**	0.56	90.0		72
		190	**SR 31 - 190**	0.53	95.0		76
		200	**SR 31 - 200**	0.50	100.0		80
		250	**SR 31 - 250**	0.40	125.0		100
		300	**SR 31 - 300**	0.33	150.0		120
37	26	40	**SR 37 - 040**	3.00	20.0	60 (588.4)	16
		45	**SR 37 - 045**	2.67	22.5		18
		50	**SR 37 - 050**	2.40	25.0		20
		60	**SR 37 - 060**	2.00	30.0		24
		70	**SR 37 - 070**	1.71	35.0		28
		80	**SR 37 - 080**	1.50	40.0		32
		90	**SR 37 - 090**	1.33	45.0		36
		100	**SR 37 - 100**	1.20	50.0		40
		110	**SR 37 - 110**	1.09	55.0		44
		120	**SR 37 - 120**	1.00	60.0		48
		125	**SR 37 - 125**	0.96	62.5		50
		130	**SR 37 - 130**	0.92	65.0		52
		140	**SR 37 - 140**	0.86	70.0		56
		150	**SR 37 - 150**	0.80	75.0		60
		160	**SR 37 - 160**	0.75	80.0		64
		170	**SR 37 - 170**	0.71	85.0		68
		175	**SR 37 - 175**	0.69	87.5		70
		180	**SR 37 - 180**	0.67	90.0		72
		190	**SR 37 - 190**	0.63	95.0		76
		200	**SR 37 - 200**	0.60	100.0		80
		250	**SR 37 - 250**	0.48	125.0		100
		300	**SR 37 - 300**	0.40	150.0		120
46	33	50	**SR 46 - 050**	4.40	25.0	110 (1,078.7)	20
		60	**SR 46 - 060**	3.67	30.0		24
		70	**SR 46 - 070**	3.14	35.0		28
		80	**SR 46 - 080**	2.75	40.0		32
		90	**SR 46 - 090**	2.44	45.0		36
		100	**SR 46 - 100**	2.20	50.0		40
		110	**SR 46 - 110**	2.00	55.0		44
		120	**SR 46 - 120**	1.83	60.0		48
		125	**SR 46 - 125**	1.76	62.5		50
		130	**SR 46 - 130**	1.69	65.0		52
		140	**SR 46 - 140**	1.57	70.0		56
		150	**SR 46 - 150**	1.47	75.0		60
		175	**SR 46 - 175**	1.26	87.5		70
		200	**SR 46 - 200**	1.10	100.0		80
		225	**SR 46 - 225**	0.98	112.5		90
		250	**SR 46 - 250**	0.88	125.0		100
		275	**SR 46 - 275**	0.80	137.5		110
		300	**SR 46 - 300**	0.73	150.0		120