

ISO 10243 Extra Light Load Die springs



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Material	Colour	Code									
Equivalent to SWOSC-V	Light Green	SIMF									
L	T										
25~89	±1mm										
102~305	±1%										
Order NO.	DH	Do	Lo	R (N/mm)	25%		30%		40%		Travel stroke
					S1	F1	S2	F2	Sn	Fn	
SIMF20x25	20	10	25	29.4	7.5	221	10.0	294	12.5	368	13.9
SIMF20x32			32	22.6	9.6	217	12.8	289	16.0	362	18.2
SIMF20x38			38	18.6	11.4	212	15.2	283	19.0	353	22.0
SIMF20x44			44	15.7	13.2	207	17.6	276	22.0	345	25.8
SIMF20x51			51	13.7	15.3	210	20.4	279	25.5	349	30.3
SIMF20x64			64	11.3	19.2	217	25.6	289	32.0	362	38.9
SIMF20x76			76	9.8	22.8	223	30.4	298	38.0	372	47.0
SIMF20x89			89	8.3	26.7	222	35.6	295	44.5	369	55.7
SIMF20x102			102	7.4	30.6	226	40.8	302	51.0	377	64.2
SIMF20x115			115	6.4	34.5	221	46.0	294	57.5	368	72.9
SIMF20x127			127	5.9	38.1	225	50.8	300	63.5	375	80.7
SIMF20x139			139	5.4	41.7	225	55.6	300	69.5	375	88.4
SIMF20x152			152	4.9	45.6	223	60.8	298	76.0	372	96.7
SIMF20x305			305	2.5	91.5	229	122.0	305	152.5	381	196.3

Order NO.	DH	Do	Lo	R (N/mm)	25%		30%		40%		Travel stroke
					S1	F1	S2	F2	Sn	Fn	
SIMF25x25	25	12.5	25	53.9	7.5	404	10.0	539	12.5	674	12.9
SIMF25x32			32	42.2	9.6	405	12.8	540	16.0	675	17.2
SIMF25x38			38	35.8	11.4	408	15.2	544	19.0	680	20.7
SIMF25x44			44	31.4	13.2	414	17.6	553	22.0	691	24.4
SIMF25x51			51	27.0	15.3	413	20.4	551	25.5	689	28.5
SIMF25x64			64	21.6	19.2	415	25.6	553	32.0	691	36.5
SIMF25x76			76	18.1	22.8	413	30.4	550	38.0	688	43.9
SIMF25x89			89	15.2	26.7	406	35.6	541	44.5	691	51.4
SIMF25x102			102	13.2	30.6	404	40.8	539	51.0	688	59.3
SIMF25x115			115	11.8	34.5	407	46.0	543	57.5	676	67.2
SIMF25x127			127	10.6	38.1	404	50.8	538	63.5	673	74.4
SIMF25x139			139	9.6	41.7	400	55.6	534	69.5	667	81.6
SIMF25x152			152	8.8	45.6	401	60.8	535	76.0	669	89.5
SIMF25x178			178	7.6	53.4	406	71.2	541	89.0	676	105.4
SIMF25x203			203	6.7	60.9	408	81.2	544	101.5	680	120.7
SIMF25x305	305	4.4	91.5	403	122.0	537	152.5	671	182.4		
SIMF32x64	32	16	38	43.1	11.4	491	15.2	655	19.0	819	19.9
SIMF32x76			44	37.3	13.2	492	17.6	656	22.0	821	23.5
SIMF32x89			51	32.4	15.3	496	20.4	661	25.5	826	27.6
SIMF32x102			64	25.5	19.2	490	25.6	653	32.0	816	35.2
SIMF32x115			76	21.6	22.8	492	30.4	657	38.0	821	42.4
SIMF32x127			89	18.1	26.7	483	35.6	644	44.5	805	50.0
SIMF32x152			102	15.7	30.6	480	40.8	641	51.0	801	57.6
SIMF32x178			115	14.2	34.5	490	46.0	653	57.5	817	65.5
SIMF32x203			127	12.7	38.1	484	50.8	645	63.5	806	72.5
SIMF32x254			139	11.6	41.7	484	55.6	645	69.5	806	79.4
SIMF32x305			152	10.6	45.6	483	60.8	644	76.0	806	87.3

Order NO.	DH	Do	Lo	R (N/mm)	25%		30%		40%		Travel stroke
					S1	F1	S2	F2	Sn	Fn	
SIMF40x51	40	20	51	48.1	15.3	736	20.4	981	25.5	1227	28.0
SIMF40x64			64	39.2	19.2	753	25.6	1004	32.0	1254	36.2
SIMF40x76			76	33.3	22.8	759	30.4	1012	38.0	1265	43.7
SIMF40x89			89	28.4	26.7	758	35.6	1011	44.5	1264	51.7
SIMF40x102			102	24.5	30.6	750	40.8	1000	51.0	1250	59.8
SIMF40x115			115	22.1	34.5	762	46.0	1017	57.5	1271	67.9
SIMF40x127			127	19.6	38.1	747	50.8	996	63.5	1245	75.2
SIMF40x139			139	17.7	41.7	738	55.6	984	69.5	1230	82.4
SIMF40x152			152	16.2	45.6	739	60.8	985	76.0	1231	90.6
SIMF40x178			178	13.7	53.4	732	71.2	975	89.0	1219	106.5
SIMF40x203			203	12.3	60.9	749	81.2	999	101.5	1248	122.2
SIMF40x254			254	9.8	76.2	747	101.6	996	127.0	1245	153.6
SIMF40x305			305	8.3	91.5	759	122.0	1013	152.5	1266	185.4
SIMF50x64			50	25	64	86.3	19.2	1657	25.6	2209	32.0
SIMF50x76	76	70.6			22.8	1610	30.4	2146	38.0	2683	42.2
SIMF50x89	89	59.8			26.7	1597	35.6	2129	44.5	2661	50.3
SIMF50x102	102	52.0			30.6	1591	40.8	2122	51.0	2652	58.4
SIMF50x115	115	46.1			34.5	1590	46.0	2121	57.5	2651	66.1
SIMF50x127	127	42.2			38.1	1608	50.8	2144	63.5	2680	73.8
SIMF50x139	139	38.2			41.7	1593	55.6	2124	69.5	2655	80.9
SIMF50x152	152	34.3			45.6	1564	60.8	2085	76.0	2607	89.0
SIMF50x178	178	29.4			53.4	1570	71.2	2093	89.0	2617	105.3
SIMF50x203	203	25.5			60.9	1553	81.2	2071	101.5	2588	120.6
SIMF50x254	254	20.6			76.2	1570	101.6	2093	127.0	2616	152.2
SIMF50x305	305	17.2	91.5	1574	122.0	2098	152.5	2623	183.7		