

# ISO 10243 Medium Load Die springs



www.simf-parts.com

Material	Colour	Code									
Special alloy	Blue	SIMM	DD: Comply with H15 standards DH: Comply with H15 standard The tolerance standard is similar to DIN2095 S1: Long service life compression S2: Average life compression SN: Maximum working stroke Smax: Compaction stroke								
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	
SIMM10x25	10	5	25	16.0	6.3	101	7.5	120	9.4	150	10.2
SIMM10x32			32	13.0	8.0	104	9.6	125	12.0	156	14.2
SIMM10x38			38	11.9	9.5	113	11.4	136	14.3	170	16.8
SIMM10x44			44	10.3	11.0	113	13.2	136	16.5	170	19.4
SIMM10x51			51	8.9	12.8	114	15.3	136	19.1	170	23.4
SIMM10x64			64	7.5	16.0	120	19.2	144	24.0	180	28.2
SIMM10x76			76	5.3	19.0	101	22.8	121	28.5	151	34.2
SIMM10x305			305	1.6	76.3	122	91.5	146	114.4	183	133.8
SIMM12.5x25	12.5	6.3	25	30.0	6.3	189	7.5	225	9.4	282	11.9
SIMM12.5x32			32	24.8	8.0	198	9.6	238	12.0	298	16.2
SIMM12.5x38			38	21.4	9.5	203	11.4	244	14.3	306	18.7
SIMM12.5x44			44	18.5	11.0	204	13.2	244	16.5	305	21.3
SIMM12.5x51			51	15.5	12.8	198	15.3	237	19.1	296	25.6
SIMM12.5x64			64	12.1	16.0	194	19.2	232	24.0	290	32.4
SIMM12.5x76			76	10.2	19.0	194	22.8	233	28.5	291	39.0
SIMM12.5x89			89	8.4	22.3	187	26.7	224	33.4	281	45.9
SIMM12.5x305			305	2.1	76.3	160	91.5	192	114.4	240	152.5

Order NO.	DH	Do	Lo	R (N/mm)	25%		30%		40%		Travel stroke
					S1	F1	S2	F2	Sn	Fn	
SIMM16x25	16	8	25	49.4	6.3	311	7.5	371	9.4	464	10.5
SIMM16x32			32	37.1	8.0	297	9.6	356	12.0	445	13.2
SIMM16x38			38	33.9	9.5	322	11.4	386	14.3	485	17.2
SIMM16x44			44	30.0	11.0	330	13.2	396	16.5	495	19.4
SIMM16x51			51	26.4	12.8	338	15.3	404	19.1	504	24.2
SIMM16x64			64	20.5	16.0	328	19.2	394	24.0	492	29.2
SIMM16x76			76	17.8	19.0	338	22.8	406	28.5	507	36.3
SIMM16x89			89	15.2	22.3	339	26.7	406	33.4	508	41.7
SIMM16x102			102	13.5	25.5	344	30.6	413	38.3	517	48.9
SIMM16x305			305	4.8	76.3	366	91.5	439	114.4	549	141.6
SIMM20x25			20	10	25	98.0	6.3	617	7.5	735	9.4
SIMM20x32	32	72.6			8.0	581	9.6	697	12.0	871	13.9
SIMM20x38	38	56.0			9.5	532	11.4	638	14.3	801	16.6
SIMM20x44	44	47.5			11.0	523	13.2	627	16.5	784	18.8
SIMM20x51	51	41.7			12.8	534	15.3	638	19.1	796	23.1
SIMM20x64	64	32.3			16.0	517	19.2	620	24.0	775	27.5
SIMM20x76	76	25.1			19.0	477	22.8	572	28.5	715	33.8
SIMM20x89	89	22.0			22.3	491	26.7	587	33.4	735	39.7
SIMM20x102	102	19.8			25.5	505	30.6	606	38.3	758	47.3
SIMM20x115	115	18.1			28.8	521	34.5	624	43.1	780	52.5
SIMM20x127	127	16.6			31.8	528	38.1	632	47.6	790	56.9
SIMM20x139	139	15.1			35.0	529	42.0	634	52.5	793	62.1
SIMM20x152	152	13.2			38.0	500	45.6	600	57.0	750	67.6
SIMM20x305	305	6.1			76.3	465	91.5	558	114.4	698	143.4

Order NO.	DH	Do	Lo	R (N/mm)	25%		30%		40%		Travel stroke
					S1	F1	S2	F2	Sn	Fn	
SIMM25x25	25	12.5	25	147.0	6.3	926	7.5	1103	9.4	1382	10.2
SIMM25x32			32	118.0	8.0	944	9.6	1133	12.0	1416	13.7
SIMM25x38			38	93.0	9.5	884	11.4	1060	14.3	1330	15.7
SIMM25x44			44	80.8	11.0	889	13.2	1067	16.5	1333	18.2
SIMM25x51			51	68.6	12.8	878	15.3	1050	19.1	1310	21.7
SIMM25x64			64	53.0	16.0	848	19.2	1018	24.0	1272	26.0
SIMM25x76			76	43.2	19.0	821	22.8	985	28.5	1231	31.3
SIMM25x89			89	38.2	22.3	852	26.7	1020	33.4	1276	38.0
SIMM25x102			102	33.0	25.5	842	30.6	1010	38.3	1264	43.0
SIMM25x115			115	28.0	28.8	806	34.5	966	43.1	1207	48.6
SIMM25x127			127	25.9	31.8	824	38.1	987	47.6	1233	53.7
SIMM25x139			139	23.2	35.0	812	42.0	974	52.5	1218	59.4
SIMM25x152			152	20.8	38.0	790	45.6	948	57.0	1186	63.8
SIMM25x178			178	17.8	44.5	792	53.4	951	66.8	1189	76.6
SIMM25x203			203	15.8	50.8	803	60.9	962	76.1	1202	88.4
SIMM25x305			305	10.2	76.3	778	91.5	933	114.4	1167	135.1
SIMM32x38	32	16	38	185.0	9.5	1758	11.4	2109	14.3	2646	16.3
SIMM32x44			44	158.0	9.5	1738	13.2	2086	16.5	2607	19.8
SIMM32x51			51	134.0	11.0	1715	15.3	2050	19.1	2559	23.1
SIMM32x64			64	99.0	12.8	1584	19.2	1901	24.0	2376	28.5
SIMM32x76			76	80.5	16.0	1530	22.8	1835	28.5	2294	34.2
SIMM32x89			89	69.1	19.0	1541	26.7	1845	33.4	2308	40.4
SIMM32x102			102	58.8	22.3	1499	30.6	1799	38.3	2252	48.0
SIMM32x115			115	51.5	25.5	1483	34.5	1777	43.1	2220	54.3
SIMM32x127			127	44.8	28.8	1425	38.1	1707	47.6	2132	59.2
SIMM32x139			139	42.3	31.8	1481	42.0	1777	52.5	2221	65.3
SIMM32x152			152	37.8	35.0	1436	45.6	1724	57.0	2155	73.0
SIMM32x178			178	32.5	38.0	1446	53.4	1736	66.8	2171	84.5
SIMM32x203			203	28.9	44.5	1468	60.9	1760	76.1	2199	96.9
SIMM32x254			254	21.4	50.8	1359	76.2	1631	95.3	2039	120.9
SIMM32x305	305	18.3	76.3	1396	91.5	1674	114.4	2094	146.9		

Order NO.	DH	Do	Lo	R (N/mm)	25%		30%		40%		Travel stroke
					S1	F1	S2	F2	Sn	Fn	
SIMM40x51	40	20	51	181.6	12.8	2324	15.3	2778	19.1	3469	21.4
SIMM40x64			64	140.0	16.0	2240	19.2	2688	24.0	3360	26.8
SIMM40x76			76	108.0	19.0	2052	22.8	2462	28.5	3078	32.7
SIMM40x89			89	90.7	22.3	2023	26.7	2422	33.4	3029	39.0
SIMM40x102			102	81.0	25.5	2066	30.6	2479	38.3	3102	44.1
SIMM40x115			115	71.8	28.8	2068	34.5	2477	43.1	3095	50.6
SIMM40x127			127	62.7	31.8	1994	38.1	2389	47.6	2985	55.9
SIMM40x139			139	57.5	35.0	2013	42.0	2415	52.5	3019	61.8
SIMM40x152			152	51.6	38.0	1961	45.6	2353	57.0	2941	67.5
SIMM40x178			178	44.1	44.5	1962	53.4	2355	66.8	2946	77.2
SIMM40x203			203	36.7	50.8	1864	60.9	2235	76.1	2793	91.8
SIMM40x254			254	30.1	63.5	1911	76.2	2294	95.3	2869	112.7
SIMM40x305			305	24.6	76.3	1877	91.5	2251	114.4	2814	138.1
SIMM50x64			50	25	64	209.0	16.0	3344	19.2	4013	24.0
SIMM50x76	76	168.0			19.0	3192	22.8	3830	28.5	4788	34.9
SIMM50x89	89	140.0			22.3	3122	26.7	3738	33.4	4676	39.2
SIMM50x102	102	119.0			25.5	3035	30.6	3641	38.3	4558	47.3
SIMM50x115	115	106.0			28.8	3053	34.5	3657	43.1	4569	52.6
SIMM50x127	127	97.0			31.8	3085	38.1	3696	47.6	4617	59.8
SIMM50x139	139	87.0			35.0	3045	42.0	3654	52.5	4568	65.1
SIMM50x152	152	80.0			38.0	3040	45.6	3648	57.0	4560	70.8
SIMM50x178	178	69.5			44.5	3093	53.4	3711	66.8	4643	84.2
SIMM50x203	203	59.8			50.8	3038	60.9	3642	76.1	4551	96.6
SIMM50x229	229	50.9			57.3	2917	68.7	3497	85.9	4372	108.5
SIMM50x254	254	43.9			63.5	2788	76.2	3345	95.3	4184	121.8
SIMM50x305	305	38.6			76.3	2945	91.5	3532	114.4	4416	146.8
SIMM63x76	63	38			76	312.0	19.0	5928	22.8	7114	28.5
SIMM63x89			89	260.0	22.3	5798	26.7	6942	33.4	8684	36.5
SIMM63x102			102	221.0	25.5	5636	30.6	6763	38.3	8464	43.6
SIMM63x115			115	187.0	28.8	5386	34.5	6452	43.1	8060	48.9
SIMM63x127			127	168.0	31.8	5342	38.1	6401	47.6	7997	54.2
SIMM63x152			152	136.0	38.0	5168	45.6	6202	57.0	7752	65.7
SIMM63x178			178	114.0	44.5	5073	53.4	6088	66.8	7615	76.5
SIMM63x203			203	100.0	50.8	5080	60.9	6090	76.1	7610	88.0
SIMM63x229			229	89.2	57.3	5111	68.7	6128	85.9	7662	103.9
SIMM63x254			254	78.4	63.5	4978	76.2	5974	95.3	7472	112.4
SIMM63x305			305	64.7	76.3	4937	91.5	5920	114.4	7402	133.8