

ISO 10243 Heavy Load Die springs



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Material	Colour	Code										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		
Special alloy	Red	SIH	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				
SIH10x25	10	5	25	22.1	5.0	111	6.3	139	7.5	166	9.2			
SIH10x32			32	17.5	6.4	112	8.0	140	9.6	168	12.1			
SIH10x38			38	17.1	7.6	130	9.5	162	11.4	195	13.2			
SIH10x44			44	15.0	8.8	132	11.0	165	13.2	198	15.1			
SIH10x51			51	12.8	10.2	131	12.8	164	15.3	196	19.5			
SIH10x64			64	10.7	12.8	137	16.0	171	19.2	205	21.8			
SIH10x76			76	7.5	15.2	114	19.0	143	22.8	171	27.9			
SIH10x305			305	2.1	61.0	128	76.3	160	91.5	192	127.2			
SIH12.5x25	12.5	6.3	25	42.1	5.0	211	6.3	265	7.5	316	9.8			
SIH12.5x32			32	33.2	6.4	212	8.0	266	9.6	319	13.6			
SIH12.5x38			38	29.3	7.6	223	9.5	278	11.4	334	14.6			
SIH12.5x44			44	24.6	8.8	216	11.0	271	13.2	325	18.1			
SIH12.5x51			51	19.6	10.2	200	12.8	251	15.3	300	22.3			
SIH12.5x64			64	15.0	12.8	192	16.0	240	19.2	288	27.3			
SIH12.5x76			76	13.2	15.2	201	19.0	251	22.8	301	33.1			
SIH12.5x89			89	11.4	17.8	203	22.3	254	26.7	304	38.9			
SIH12.5x305			305	2.8	61.0	171	76.3	214	91.5	256	139.7			

Order NO.	DH	Do	Lo	R (N/mm)	25%		30%		40%		Travel stroke
					S1	F1	S2	F2	Sn	Fn	
SIH16x25	16	8	25	75.7	5.0	379	6.3	477	7.5	568	8.4
SIH16x32			32	52.8	6.4	338	8.0	422	9.6	507	10.5
SIH16x38			38	48.5	7.6	369	9.5	461	11.4	553	13.6
SIH16x44			44	42.8	8.8	377	11.0	471	13.2	565	15.9
SIH16x51			51	37.1	10.2	378	12.8	475	15.3	568	18.9
SIH16x64			64	30.3	12.8	388	16.0	485	19.2	582	24.9
SIH16x76			76	25.7	15.2	391	19.0	488	22.8	586	29.2
SIH16x89			89	21.7	17.8	386	22.3	484	26.7	579	34.5
SIH16x102			102	19.3	20.4	394	25.5	492	30.6	591	39.1
SIH16x305			305	7.1	61.0	433	76.3	542	91.5	650	103.6
SIH20x25			20	10	25	216.0	5.0	1080	6.3	1361	7.5
SIH20x32	32	168.0			6.4	1075	8.0	1344	9.6	1613	10.9
SIH20x38	38	129.0			7.6	980	9.5	1226	11.4	1471	12.5
SIH20x44	44	112.0			8.8	986	11.0	1232	13.2	1478	15.0
SIH20x51	51	94.0			10.2	959	12.8	1203	15.3	1438	17.6
SIH20x64	64	72.1			12.8	923	16.0	1154	19.2	1384	22.6
SIH20x76	76	59.7			15.2	907	19.0	1134	22.8	1361	27.5
SIH20x89	89	50.5			17.8	899	22.3	1126	26.7	1348	31.7
SIH20x102	102	44.2			20.4	902	25.5	1127	30.6	1353	37.5
SIH20x115	115	38.4			23.0	883	28.8	1106	34.5	1325	42.6
SIH20x127	127	34.1			25.4	866	31.8	1084	38.1	1299	45.5
SIH20x139	139	31.0			28.0	868	35.0	1085	42.0	1302	50.1
SIH20x152	152	28.2			30.4	857	38.0	1072	45.6	1286	55.8
SIH20x305	305	15.0			61.0	915	76.3	1145	91.5	1373	114.1

Order NO.	DH	Do	Lo	R (N/mm)	25%		30%		40%		Travel stroke
					S1	F1	S2	F2	Sn	Fn	
SIH25x25	25	12.5	25	375.0	5.0	1875	6.3	2363	7.5	2813	8.5
SIH25x32			32	297.0	6.4	1901	8.0	2376	9.6	2851	11.0
SIH25x38			38	219.0	7.6	1664	9.5	2081	11.4	2497	12.6
SIH25x44			44	187.0	8.8	1646	11.0	2057	13.2	2468	14.8
SIH25x51			51	156.0	10.2	1591	12.8	1997	15.3	2387	17.9
SIH25x64			64	123.0	12.8	1574	16.0	1968	19.2	2362	23.1
SIH25x76			76	99.0	15.2	1505	19.0	1881	22.8	2257	26.3
SIH25x89			89	84.0	17.8	1495	22.3	1873	26.7	2243	30.5
SIH25x102			102	73.0	20.4	1489	25.5	1862	30.6	2234	37.3
SIH25x115			115	65.0	23.0	1495	28.8	1872	34.5	2243	41.9
SIH25x127			127	57.7	25.4	1466	31.8	1835	38.1	2198	46.2
SIH25x139			139	52.7	28.0	1476	35.0	1845	42.0	2213	49.3
SIH25x152			152	47.8	30.4	1453	38.0	1816	45.6	2180	55.7
SIH25x178			178	41.0	35.6	1460	44.5	1825	53.4	2189	65.1
SIH25x203			203	35.8	40.6	1453	50.8	1819	60.9	2180	74.5
SIH25x305	305	22.9	61.0	1397	76.3	1747	91.5	2095	110.2		
SIH32x38	32	16	38	388.0	7.6	2949	9.5	3686	11.4	4423	12.5
SIH32x44			44	324.0	8.8	2851	11.0	3564	13.2	4277	14.9
SIH32x51			51	272.0	10.2	2774	12.8	3482	15.3	4162	17.8
SIH32x64			64	212.0	12.8	2714	16.0	3392	19.2	4070	22.4
SIH32x76			76	172.0	15.2	2614	19.0	3268	22.8	3922	26.1
SIH32x89			89	141.0	17.8	2510	22.3	3144	26.7	3765	30.8
SIH32x102			102	122.0	20.4	2489	25.5	3111	30.6	3733	36.8
SIH32x115			115	107.0	23.0	2461	28.8	3082	34.5	3692	41.4
SIH32x127			127	93.0	25.4	2362	31.8	2957	38.1	3543	44.4
SIH32x139			139	86.0	28.0	2408	35.0	3010	42.0	3612	48.5
SIH32x152			152	78.0	30.4	2371	38.0	2964	45.6	3557	54.8
SIH32x178			178	67.2	35.6	2392	44.5	2990	53.4	3588	63.6
SIH32x203			203	59.1	40.6	2399	50.8	3002	60.9	3599	72.5
SIH32x254			254	46.4	50.8	2357	63.5	2946	76.2	3536	92.8
SIH32x305			305	38.0	61.0	2318	76.3	2899	91.5	3477	111.8

Order NO.	DH	Do	Lo	R (N/mm)	25%		30%		40%		Travel stroke		
					S1	F1	S2	F2	Sn	Fn			
SIH40x51	40	20	51	350.0	10.2	3570	12.8	4480	15.3	5355	17.0		
SIH40x64			64	269.0	12.8	3443	16.0	4304	19.2	5165	21.9		
SIH40x76			76	219.0	15.2	3329	19.0	4161	22.8	4993	26.7		
SIH40x89			89	190.0	17.8	3382	22.3	4237	26.7	5073	31.3		
SIH40x102			102	163.0	20.4	3325	25.5	4157	30.6	4988	37.1		
SIH40x115			115	142.0	23.0	3266	28.8	4090	34.5	4899	41.0		
SIH40x127			127	128.0	25.4	3251	31.8	4070	38.1	4877	46.5		
SIH40x139			139	115.0	28.0	3220	35.0	4025	42.0	4830	53.1		
SIH40x152			152	105.0	30.4	3192	38.0	3990	45.6	4788	56.1		
SIH40x178			178	89.0	35.6	3168	44.5	3961	53.4	4753	67.4		
SIH40x203			203	77.0	40.6	3126	50.8	3912	60.9	4689	76.2		
SIH40x254			254	61.0	50.8	3099	63.5	3874	76.2	4648	96.2		
SIH40x305			305	51.0	61.0	3111	76.3	3891	91.5	4667	114.8		
SIH50x64			50	25	64	413.0	12.8	5286	16.0	6608	19.2	7930	22.4
SIH50x76	76	339.0			15.2	5153	19.0	6441	22.8	7729	26.5		
SIH50x89	89	288.0			17.8	5126	22.3	6422	26.7	7690	31.5		
SIH50x102	102	245.0			20.4	4998	25.5	6248	30.6	7497	37.6		
SIH50x115	115	215.0			23.0	4945	28.8	6192	34.5	7418	42.7		
SIH50x127	127	192.0			25.4	4877	31.8	6106	38.1	7315	47.5		
SIH50x139	139	168.0			28.0	4704	35.0	5880	42.0	7056	51.8		
SIH50x152	152	154.0			30.4	4682	38.0	5852	45.6	7022	57.8		
SIH50x178	178	134.0			35.6	4770	44.5	5963	53.4	7156	68.5		
SIH50x203	203	117.0			40.6	4750	50.8	5944	60.9	7125	77.6		
SIH50x254	254	89.0			50.8	4521	63.5	5652	76.2	6782	97.9		
SIH50x305	305	73.0			61.0	4453	76.3	5570	91.5	6680	120.7		
SIH63x76	63	38			76	618.0	15.2	9394	19.0	11742	22.8	14090	24.7
SIH63x89					89	515.0	17.8	9167	22.3	11485	26.7	13751	30.0
SIH63x102			102	438.0	20.4	8935	25.5	11169	30.6	13403	35.1		
SIH63x115			115	370.0	23.0	8510	28.8	10656	34.5	12765	37.5		
SIH63x127			127	333.0	25.4	8458	31.8	10589	38.1	12687	45.9		
SIH63x152			152	269.0	30.4	8178	38.0	10222	45.6	12266	56.5		
SIH63x178			178	226.0	35.6	8046	44.5	10057	53.4	12068	66.8		
SIH63x203			203	198.0	40.6	8039	50.8	10058	60.9	12058	78.8		
SIH63x254			254	155.0	50.8	7874	63.5	9843	76.2	11811	101.7		
SIH63x305			305	128.0	61.0	7808	76.3	9766	91.5	11712	122.4		