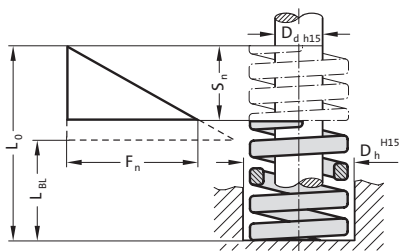


High performance compression spring, 3XLF, Colour "White"



- D_h = dia. of guide sleeve
- D_d = diameter of guide pin
- L_0 = free length of spring
- L_{BL} = length of compacted spring (i.e. wire-to-wire)
- F_n = Spring force in N
- S_n = Stroke
- R = spring rate (N/mm)

Description:

The diameters are comparable with the high performance compression springs DIN ISO 10243. The special flat wound wire cross section brings a reduction of the medium winding diameter for the same winding ratio with an edge-wound spring. Consequently, the high performance compression spring 3XLF has a 6x larger starting spring force than the high performance compression spring DIN ISO 10243 colour code "yellow".

241.19. High performance compression spring, 3XLF, Colour "White"

Order No	D_h	D_d	L_0	R	S_1	S_{V1}	S_{A1}	F_1	S_n	F_n
241.19.16.020	16	6.3	20	1818	2.2	1	1.2	4000	3	5454
241.19.16.035	16	6.3	35	1000	4	1.8	2.2	4000	5.5	5500
241.19.16.050	16	6.3	50	615	6.5	2.5	4	3998	8	4920
241.19.16.075	16	6.3	75	400	10	3.8	6.2	4000	12.5	5000
241.19.16.100	16	6.3	100	286	14	5	9	4004	16.3	4662
241.19.19.025	19	8	25	2400	2.5	1.2	1.2	6000	3.4	8160
241.19.19.040	19	8	40	1333	4.5	2	2.5	5998	5.9	7865
241.19.19.050	19	8	50	1000	6	2.5	3.5	6000	7.8	7800
241.19.19.075	19	8	75	600	10	3.8	6.2	6000	12.4	7440
241.19.19.100	19	8	100	429	14	5	9	6006	16.5	7078
241.19.25.030	25	10	30	4800	2.5	1.5	1	12000	3	14400
241.19.25.050	25	10	50	2400	5	2.5	2.5	12000	5.9	14160
241.19.25.075	25	10	75	1500	8	3.8	4.2	12000	9.5	14250
241.19.25.100	25	10	100	1000	12	5	7	12000	14.7	14700
241.19.25.125	25	10	125	857	14	6.2	7.8	12000	16.9	14488
241.19.32.035	32	12.5	35	6667	3	1.8	1.2	20001	3.7	24668
241.19.32.050	32	12.5	50	3636	5.5	2.5	3	19998	6.3	22907
241.19.32.075	32	12.5	75	2222	9	3.8	5.2	19998	11.3	25109
241.19.32.100	32	12.5	100	1538	13	5	8	19994	17.9	27530
241.19.32.125	32	12.5	125	1250	16	6.2	9.8	20000	18.3	22875
241.19.32.150	32	12.5	150	1053	19	7.5	11.5	20007	21.7	22850
241.19.38.040	38	16	40	7143	3.5	2	1.5	25000	4.5	32144
241.19.38.050	38	16	50	5000	5	2.5	2.5	25000	5.9	29500
241.19.38.075	38	16	75	2778	9	3.8	5.2	25002	10.4	28891
241.19.38.100	38	16	100	1923	13	5	8	24999	15	28845
241.19.38.150	38	16	150	1316	19	7.5	11.5	25004	22.4	29478
241.19.38.200	38	16	200	926	27	10	17	25002	29.9	27687