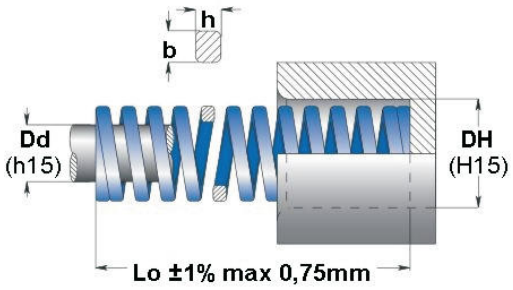
THG-Normalien
Normteile & Ideen!

Artikelnummer	Beschreibung
F2	Feder für mittlere Belastung

Informationen

Baugleich Fibro 241.15.
Farbe Blau

Bilder



Bestellbeispiel

F-20102-2 = F- Durchmesser DH 20mm, Länge Lo 102mm, Blau

Code	D_H	D_d	L_0	R	A 25% L_0		B 30% L_0		C 33.75% L_0		D 37.5% L_0		E max.
	b x h			± 10%	+ 3.000.000		~ 1.500.000		300 - 500.000		100 - 200.000		nicht verwenden
	mm	mm	mm	N/mm	mm	N	mm	N	mm	N	mm	N	mm
F-10025-2			25	16.0	6.3	101	7.5	120	8.4	135	9.4	150	10.2
F-10032-2			32	13.0	8.0	104	9.6	125	10.8	140	12.0	156	14.2
F-10038-2			38	11.9	9.5	113	11.4	136	12.8	153	14.3	170	16.8
F-10044-2	10	5	44	10.3	11.0	113	13.2	136	14.9	153	16.5	170	19.4
F-10051-2			51	8.9	12.8	114	15.3	136	17.2	153	19.1	170	23.4
F-10064-2			64	7.5	16.0	120	19.2	144	21.6	162	24.0	180	28.2
F-10076-2			76	5.3	19.0	101	22.8	121	25.7	136	28.5	151	34.2
F-10305-2	1.9 x 1.3		305	1.6	76.3	122	91.5	146	103	165	114	183	134
F-13025-2			25	30.0	6.3	189	7.5	225	8.4	253	9.4	282	11.9
F-13032-2			32	24.8	8.0	198	9.6	238	10.8	268	12.0	298	16.2
F-13038-2			38	21.4	9.5	203	11.4	244	12.8	274	14.3	306	18.7
F-13044-2			44	18.5	11.0	204	13.2	244	14.9	275	16.5	305	21.3
F-13051-2	12.5	6.3	51	15.5	12.8	198	15.3	237	17.2	267	19.1	296	25.6
F-13064-2			64	12.1	16.0	194	19.2	232	21.6	261	24.0	290	32.4
F-13076-2			76	10.2	19.0	194	22.8	233	25.7	262	28.5	291	39.0
F-13089-2			89	8.4	22.3	187	26.7	224	30.0	252	33.4	281	45.9
F-13102-2			102	6.3	25.5	161	30.6	193	34.4	217	38.3	241	52.3
F-13305-2	2.5 x 1.5		305	2.1	76.3	160	91.5	192	103	216	114	240	153
F-16025-2			25	49.4	6.3	311	7.5	371	8.4	417	9.4	464	10.5
F-16032-2			32	37.1	8.0	297	9.6	356	10.8	401	12.0	445	13.2
F-16038-2			38	33.9	9.5	322	11.4	386	12.8	435	14.3	485	17.2
F-16044-2			44	30.0	11.0	330	13.2	396	14.9	446	16.5	495	19.4
F-16051-2	16	8	51	26.4	12.8	338	15.3	404	17.2	454	19.1	504	24.2
F-16064-2			64	20.5	16.0	328	19.2	394	21.6	443	24.0	492	29.2
F-16076-2			76	17.8	19.0	338	22.8	406	25.7	457	28.5	507	36.3
F-16089-2			89	15.2	22.3	339	26.7	406	30.0	457	33.4	508	41.7
F-16102-2			102	13.5	25.5	344	30.6	413	34.4	465	38.3	517	48.9
F-16115-2			115	11.8	28.8	340	34.5	407	38.8	458	43.1	509	53.1
F-16305-2	3.2 x 2.0		305	4.8	76.3	366	91.5	439	103	494	114	549	142

N3 Federelemente

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Code	D_H	D_d	L_0	R	A 25% L_0		B 30% L_0		C 33.75% L_0		D 37.5% L_0		E max.
	b x h			± 10%	+ 3.000.000		~ 1.500.000		300 - 500.000		100 - 200.000		nicht verwenden
	mm	mm	mm	N/mm	mm	N	mm	N	mm	N	mm	N	mm
F-20025-2			25	98.0	6.3	617	7.5	735	8.4	827	9.4	921	10.5
F-20032-2			32	72.6	8.0	581	9.6	697	10.8	784	12.0	871	13.9
F-20038-2			38	56.0	9.5	532	11.4	638	12.8	718	14.3	801	16.6
F-20044-2			44	47.5	11.0	523	13.2	627	14.9	705	16.5	784	18.8
F-20051-2			51	41.7	12.8	534	15.3	638	17.2	718	19.1	796	23.1
F-20064-2			64	32.3	16.0	517	19.2	620	21.6	698	24.0	775	27.5
F-20076-2	20	10	76	25.1	19.0	477	22.8	572	25.7	644	28.5	715	33.8
F-20089-2			89	22.0	22.3	491	26.7	587	30.0	661	33.4	735	39.7
F-20102-2			102	19.8	25.5	505	30.6	606	34.4	682	38.3	758	47.3
F-20115-2			115	18.1	28.8	521	34.5	624	38.8	703	43.1	780	52.5
F-20127-2			127	16.6	31.8	528	38.1	632	42.9	712	47.6	790	56.9
F-20139-2			139	15.1	35.0	529	42.0	634	46.9	708	52.5	793	62.1
F-20152-2			152	13.2	38.0	500	45.6	600	51.3	677	57.0	750	67.6
F-20305-2	4.1 x 2.4		305	6.1	76.3	465	91.5	558	103	628	114	698	143
F-25025-2			25	147	6.3	926	7.5	1103	8.4	1240	9.4	1382	10.2
F-25032-2			32	118	8.0	944	9.6	1133	10.8	1274	12.0	1416	13.7
F-25038-2			38	93.0	9.5	884	11.4	1060	12.8	1193	14.3	1330	15.7
F-25044-2			44	80.8	11.0	889	13.2	1067	14.9	1200	16.5	1333	18.2
F-25051-2			51	68.6	12.8	878	15.3	1050	17.2	1181	19.1	1310	21.7
F-25064-2			64	53.0	16.0	848	19.2	1018	21.6	1145	24.0	1272	26.0
F-25076-2			76	43.2	19.0	821	22.8	985	25.7	1108	28.5	1231	32.3
F-25089-2	25	12.5	89	38.2	22.3	852	26.7	1020	30.0	1147	33.4	1276	38.0
F-25102-2			102	33.0	25.5	842	30.6	1010	34.4	1136	38.3	1264	43.0
F-25115-2			115	28.0	28.8	806	34.5	966	38.8	1087	43.1	1207	48.6
F-25127-2			127	25.9	31.8	824	38.1	987	42.9	1110	47.6	1233	53.7
F-25139-2			139	23.2	35.0	812	42.0	974	46.9	1088	52.5	1218	59.4
F-25152-2			152	20.8	38.0	790	45.6	948	51.3	1067	57.0	1186	63.8
F-25178-2			178	17.8	44.5	792	53.4	951	60.1	1069	66.8	1189	76.6
F-25203-2			203	15.8	50.8	803	60.9	962	68.5	1082	76.1	1202	88.4
F-25305-2	5.4 x 3.3		305	10.2	76.3	778	91.5	933	103	1050	114	1167	135
F-32038-2			38	185	9.5	1758	11.4	2109	12.8	2373	14.3	2646	16.3
F-32044-2			44	158	11.0	1738	13.2	2086	14.9	2346	16.5	2607	18.9
F-32051-2			51	134	12.8	1715	15.3	2050	17.2	2306	19.1	2559	23.1
F-32064-2			64	99.0	16.0	1584	19.2	1901	21.6	2138	24.0	2376	28.5
F-32076-2			76	108	19.0	1530	22.8	1835	25.7	2065	28.5	2294	34.2
F-32089-2			89	69.1	22.3	1541	26.7	1845	30.0	2076	33.4	2308	40.4
F-32102-2	32	16	102	58.8	25.5	1499	30.6	1799	34.4	2024	38.3	2252	48.0
F-32115-2			115	51.5	28.8	1483	34.5	1777	38.8	1999	43.1	2220	54.3
F-32127-2			127	44.8	31.8	1425	38.1	1707	42.9	1920	47.6	2132	59.2
F-32139-2			139	42.3	35.0	1481	42.0	1777	46.9	1984	52.5	2221	65.3
F-32152-2			152	37.8	38.0	1436	45.6	1724	51.3	1939	57.0	2155	73.0
F-32178-2			178	32.5	44.5	1446	53.4	1736	60.1	1952	66.8	2171	84.5
F-32203-2			203	28.9	50.8	1468	60.9	1760	68.5	1980	76.1	2199	96.9
F-32254-2			254	21.4	63.5	1359	76.2	1631	85.7	1835	95.3	2039	121
F-32305-2	6.8 x 4.0		305	18.3	76.3	1396	91.5	1674	103	1884	114	2094	147
F-40051-2			51	182	12.8	2330	15.3	2785	17.2	3130	19.1	3476	21.4
F-40064-2			64	140	16.0	2240	19.2	2688	21.6	3024	24.0	3360	26.8
F-40076-2			76	108	19.0	2052	22.8	2462	25.7	2770	28.5	3078	32.7
F-40089-2			89	90.7	22.3	2023	26.7	2422	30.0	2724	33.4	3029	39.0
F-40102-2			102	81.0	25.5	2066	30.6	2479	34.4	2788	38.3	3102	44.1
F-40115-2	40	20	115	71.8	28.8	2068	34.5	2477	38.8	2787	43.1	3095	50.6
F-40127-2			127	62.7	31.8	1994	38.1	2389	42.9	2687	47.6	2985	55.9
F-40139-2			139	57.5	35.0	2013	42.0	2415	46.9	2697	52.5	3019	61.8
F-40152-2			152	51.6	38.0	1961	45.6	2353	51.3	2647	57.0	2941	67.5
F-40178-2			178	44.1	44.5	1962	53.4	2355	60.1	2649	66.8	2946	77.2
F-40203-2			203	36.7	50.8	1864	60.9	2235	68.5	2514	76.1	2793	91.8
F-40254-2			254	30.1	63.5	1911	76.2	2294	85.7	2580	95.3	2869	113
F-40305-2	8.2 x 4.7		305	24.6	76.3	1877	91.5	2251	103	2532	114	2814	138

Code	D_H	D_d	L_0	R	A 25% L_0		B 30% L_0		C 33.75% L_0		D 37.5% L_0		E max.
	b x h			± 10%	+ 3.000.000		~ 1.500.000		300 - 500.000		100 - 200.000		nicht verweden
	mm	mm	mm	N/mm	mm	N	mm	N	mm	N	mm	N	mm
F-50064-2			64	209	16.0	3344	19.2	4013	21.6	4514	24.0	5016	28.2
F-50076-2			76	168	19.0	3192	22.8	3830	25.7	4309	28.5	4788	34.9
F-50089-2			89	140	22.3	3122	26.7	3738	30.0	4205	33.4	4676	39.2
F-50102-2			102	119	25.5	3035	30.6	3641	34.4	4097	38.3	4558	47.3
F-50115-2			115	106	28.8	3053	34.5	3657	38.8	4114	43.1	4569	52.6
F-50127-2	50	25	127	97.0	31.8	3085	38.1	3696	42.9	4158	47.6	4617	59.8
F-50139-2			139	87.0	35.0	3045	42.0	3654	46.9	4081	52.5	4568	65.1
F-50152-2			152	80.0	38.0	3040	45.6	3648	51.3	4104	57.0	4560	70.8
F-50178-2			178	69.5	44.5	3093	53.4	3711	60.1	4175	66.8	4643	84.2
F-50203-2			203	59.8	50.8	3038	60.9	3642	68.5	4097	76.1	4551	96.5
F-50229-2			229	50.9	57.3	2917	68.7	3497	77.3	3934	85.9	4372	108
F-50254-2			254	43.9	63.5	2788	76.2	3345	85.7	3763	95.3	4184	122
F-50305-2	11.1 x 5.8		305	38.6	76.3	2945	91.5	3532	103	3973	114	4416	147
F-63076-2			76	312	19.0	5928	22.8	7114	25.7	8003	28.5	8892	30.7
F-63089-2			89	260	22.3	5798	26.7	6942	30.0	7810	33.4	8684	36.5
F-63102-2			102	221	25.5	5636	30.6	6763	34.4	7608	38.3	8464	43.6
F-63115-2			115	187	28.8	5386	34.5	6452	38.8	7258	43.1	8060	48.9
F-63127-2	63	38	127	168	31.8	5342	38.1	6401	42.9	7201	47.6	7997	54.2
F-63152-2			152	136	38.0	5168	45.6	6202	51.3	6977	57.0	7752	65.7
F-63178-2			178	114	44.5	5073	53.4	6088	60.1	6849	66.8	7615	76.5
F-63203-2			203	100	50.8	5080	60.9	6090	68.5	6851	76.1	7610	88.0
F-63229-2			229	89.2	57.3	5111	68.7	6128	77.3	6894	85.9	7662	104
F-63254-2			254	78.4	63.5	4978	76.2	5974	85.7	6721	95.3	7472	112
F-63305-2	11.5 x 9.1		305	64.7	76.3	4937	91.5	5920	103	6660	114	7402	134