

GARFLEX® Style 8100 - Spring Rates

Nominal ID in	Nominal FF in	Axial Compression lb/in	Axial Elongation lb/in	Lateral Deflection lb/in	Angular in-lb/deg	Effective Area sq in
1	5	388	388	74	11	2.3
1.25	5	388	388	74	11	2.3
1.5	5	457	457	91	11	3.1
2	5	1028	1028	257	11	4.7
2	6	383	383	97	11	4.7
2.5	5	971	971	228	12	7.8
2.5	6	497	497	114	12	7.8
3	5	514	514	257	12	13.2
3	6	400	400	131	12	13.2
4	5	771	771	400	13	19.4
4	6	497	497	280	13	19.4
5	5	1171	1171	571	16	28.7
5	6	571	571	286	16	28.7
6	5	531	531	331	18	38.8
6	6	828	828	280	18	38.8
8	5	571	571	628	23	62.0
8	6	811	811	217	23	62.0
10	5	571	571	600	27	93.0
10	8	171	171	200	27	93.0
12	5	857	857	885	30	124
12	8	177	177	160	30	124
14	8	217	217	474	30	155
16	8	1079	1079	474	30	213
18	8	1282	1282	451	30	276
20	8	1485	1485	428	30	339
24	8	2227	2227	571	30	477

*All spring rates should be considered approximate and are based on a zero pressure system at ambient temperatures.

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Nominal ID mm	Nominal FF mm	Axial Compression N/mm	Axial Elongation N/mm	Lateral Deflection N/mm	Angular N-m/deg	Effective Area sq mm
25	130	68	68	13	1.2	1500
32	130	68	68	13	1.2	1500
40	130	80	80	16	1.2	2000
50	130	180	180	45	1.2	3000
50	150	67	67	17	1.2	3000
65	130	170	170	40	1.4	5000
65	150	87	87	20	1.4	5000
80	130	90	90	45	1.4	8500
80	150	70	70	23	1.4	8500
100	130	135	135	70	1.5	12500
100	150	87	87	49	1.5	12500
125	130	205	205	100	1.8	18500
125	150	100	100	50	1.8	18500
150	130	93	93	58	2	25000
150	150	145	145	49	2	25000
200	130	100	100	110	2.6	40000
200	150	142	142	38	2.6	40000
250	130	100	100	105	3.1	60000
250	200	30	30	35	3.1	60000
300	130	150	150	155	3.4	80000
300	200	31	31	28	3.4	80000
350	200	38	38	83	3.4	100000
400	200	189	189	83	3.4	137500
450	200	224	224	79	3.4	178000
500	200	260	260	75	3.4	218500
600	200	390	390	100	3.4	308000

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