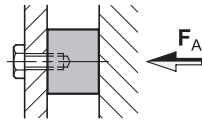


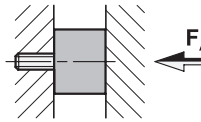
GN 352 / GN 452

Resilient characteristics for 40 Shore under axial and static load.

Type E



Type S

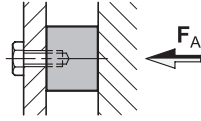


d ₁	h	Spring rate ≈ in N/mm	Max. load F _A in N	Max. travel in mm	Spring rate ≈ F _A in N/mm	Max. load F _A in N	Max. travel in mm
8	8	17	33	2	17	33	2
8	13	13	41	3,25	10	33	3,25
10	10	21	53	2,5	21	53	2,5
10	15	18	69	3,75	18	69	3,75
10	20	-	-	-	11	54	5
15	10	-	-	-	55	110	2
15	15	37	140	3,75	37	140	3,75
15	20	27	135	5	27	135	5
15	30	-	-	-	17	125	7,5
20	8	-	-	-	280	560	2
20	10	-	-	-	155	390	2,5
20	15	77	290	3,75	77	290	3,75
20	20	52	260	5	52	260	5
20	25	43	270	6,25	43	270	6,25
20	30	31	235	7,5	31	235	7,5
25	15	129	485	3,75	129	485	3,75
25	20	83	415	5	83	415	5
25	25	81,5	510	6,25	65,5	410	6,25
25	30	39	290	7,5	39	290	7,5
30	15	199	745	3,75	199	745	3,75
30	20	113	565	5	113	565	5
30	25	-	-	-	92	575	6,25
30	30	80	600	7,5	80	600	7,5
30	40	55	550	10	55	550	10
40	20	240	1200	5	240	1200	5
40	25	-	-	-	187	1170	6,25
40	30	152	1140	7,5	152	1140	7,5
40	35	-	-	-	107	940	8,75
40	38	-	-	-	102	970	9,5
40	40	100	995	10	100	995	10
40	45	-	-	-	90,5	1020	11,25
40	50	73	911	12,5	-	-	-
50	20	536	2680	5	536	2680	5
50	25	-	-	-	273,5	1710	6,25
50	30	243	1820	7,5	243	1820	7,5
50	35	175	1530	8,75	187	1640	8,75
50	40	143	1430	10	143	1430	10
50	45	149	1678	11,25	142	1600	11,25
50	50	110	1370	12,5	110	1370	12,5
60	20	-	-	-	376	1880	5
60	25	-	-	-	403	2520	6,25
60	30	429	3220	7,5	-	-	-
60	36	-	-	-	275,5	2480	9
60	40	260	2600	10	260	2600	10
60	45	-	-	-	151	1699	11,25
60	50	179	2240	12,5	-	-	-
60	60	-	-	-	169	2530	15
70	30	657	4930	7,5	657	4930	7,5
70	35	-	-	-	356,5	3120	8,75
70	40	385	3850	10	385	3850	10

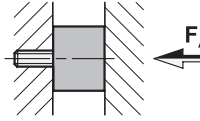
GN 352 / GN 452

Resilient characteristics for 40 Shore under axial and static load.

Type E



Type S



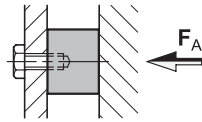
d_1	h	Spring rate \approx in N/mm	Max. load F_A in N	Max. travel in mm	Spring rate \approx F_A in N/mm	Max. load F_A in N	Max. travel in mm
70	45	310	3490	11,25	-	-	-
70	50	-	-	-	293	3660	12,5
70	55	241	3320	13,75	241	3320	13,75
70	70	-	-	-	182	3180	17,5
75	25				1050	6560	6,25
75	30	805	6000	7,5	-	-	-
75	40	501	5010	10	501	5010	10
75	50	318	3970	12,5	318	3970	12,5
75	55	277	3810	13,75	-	-	-
80	30	-	-	-	696	5220	7,5
80	40	-	-	-	536	5360	10
80	80	-	-	-	217,5	4350	20
100	40	943	9430	10	943	9430	10
100	50	665	8320	12,5	665	8320	12,5
100	55	531	7300	13,75	-	-	-
100	60	496	7440	15	496	7440	15
125	55	1543	21220	13,75	1433	19700	13,75
125	75	998	18720	18,75	939	17600	18,75



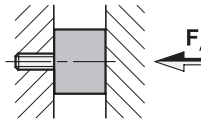
GN 352 / GN 452

Resilient characteristics for 55 Shore under axial and static load.

Type E



Type S

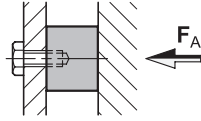


d ₁	h	Spring rate ≈ in N/mm	Max. load in N	Max. travel in mm	Spring rate ≈ in N/mm	Max. load F _A in N	Max. travel in mm
8	8	28	55	2	28	55	2
8	13	16	51	3,25	16	51	3,25
10	10	35	88	2,5	35	88	2,5
10	15	25	92	3,75	25	92	3,75
10	20	-	-	-	19	95	5
15	10	-	-	-	85	170	2
15	15	69	260	3,75	69	260	3,75
15	20	45	225	5	45	225	5
15	30	-	-	-	35	260	7,5
20	8	-	-	-	330	660	2
20	10	-	-	-	258	645	2,5
20	15	125	470	3,75	125	470	3,75
20	20	73	365	5	73	365	5
20	25	63	395	6,25	63	395	6,25
20	30	56	420	7,5	56	420	7,5
25	15	212	795	3,75	212	795	3,75
25	20	116	580	5	116	580	5
25	25	141	880	6,25	107	670	6,25
25	30	79	590	7,5	79	590	7,5
30	15	272	1020	3,75	272	1020	3,75
30	20	202	1010	5	202	1010	5
30	25	-	-	-	165	1030	6,25
30	30	104	780	7,5	104	780	7,5
30	40	78	780	10	60	597	10
40	20	500	2500	5	500	2500	5
40	25	-	-	-	266	1660	6,25
40	30	197	1480	7,5	197	1480	7,5
40	35	-	-	-	184	1610	8,75
40	38	-	-	-	175	1660	9,5
40	40	140	1400	10	140	1400	10
40	45	-	-	-	151	1700	11,25
40	50	145,5	1820	12,50	-	-	-
50	20	692	3460	5	692	3460	5
50	25	-	-	-	387	2420	6,25
50	30	336	2520	7,5	336	2520	7,5
50	35	323	2830	8,75	302	2640	8,75
50	40	276	2760	10	276	2760	10
50	45	236	2660	11,25	232	2610	11,25
50	50	216	2700	12,5	216	2700	12,5
60	20	-	-	-	770	3850	5
60	25	-	-	-	709	4430	6,25
60	30	716	5370	7,5	-	-	-
60	36	-	-	-	441	3970	9
60	40	354	3540	10	354	3540	10
60	45	-	-	-	355	3990	11,25
60	50	264	3300	12,5	-	-	-
60	60	-	-	-	232	3480	15
70	30	956	7170	7,5	956	7170	7,5
70	35	-	-	-	854	7470	8,75
70	40	628	6280	10	628	6280	10

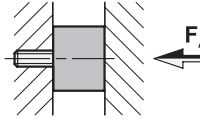
GN 352 / GN 452

Resilient characteristics
for 55 Shore under
axial and static load.

Type E



Type S



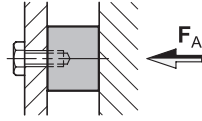
d_1	h	Spring rate \approx in N/mm	Max. load in N	Max. travel in mm	Spring rate \approx in N/mm	Max. load F_A in N	Max. travel in mm
70	45	521	5860	11,25	-	-	-
70	50	-	-	-	496	6200	12,50
70	55	420	5770	13,75	420	5770	13,75
70	70	-	-	-	393	6870	17,50
75	25	247	1545	6,25	1546	9660	6,25
75	30	1052	7890	7,5	-	-	-
75	40	668	6680	10	668	6680	10
75	50	446	5570	12,5	446	5570	12,5
75	55	455	6260	13,75	-	-	-
80	30	-	-	-	1349	10120	7,5
80	40	-	-	-	891	8910	10
80	80	-	-	-	372	7440	20
100	40	1211	12110	10	1211	12110	10
100	50	1123	14040	12,5	1123	14040	12,5
100	55	912	12540	13,75	-	-	-
100	60	863	12950	15	863	12950	15
125	55	1795	23790	13,25	1795	23790	13,25
125	75	1073	20120	18,75	1073	20120	18,75



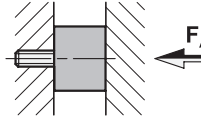
GN 352 / GN 452

Resilient characteristics
for 70 Shore under
axial and static load.

Type E



Type S

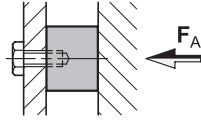


d_1	h	Spring rate \approx in N/mm	Max. load in N	Max. travel in mm	Spring rate \approx in N/mm	Max. load F_A in N	Max. travel in mm
8	8	71	141	2	71	141	2
8	13	34	110	3,25	31	99,5	3,25
10	10	86	215	2,5	86	217	2,5
10	15	47	175	3,75	47	175	3,75
10	20	-	-	-	33	164,5	5
15	10	-	-	-	205	410	2
15	15	103	385	3,75	103	385	3,75
15	20	118	590	5	118	590	5
15	30	-	-	-	52	390	7,5
20	8	-	-	-	960	1920	2
20	10	-	-	-	376	940	2,5
20	15	188	705	3,75	188	705	3,75
20	20	162	810	5	162	810	5
20	25	169	1055	6,25	169	1055	6,25
20	30	113	850	7,5	113	850	7,5
25	15	435	1630	3,75	435	1630	3,75
25	20	276	1380	5	276	1380	5
25	25	243	1520	6,25	237	1480	6,25
25	30	159	1190	7,5	159	1190	7,5
30	15	696	2610	3,75	696	2610	3,75
30	20	376	1880	5	376	1880	5
30	25	-	-	-	255	1590	6,25
30	30	216	1620	7,5	216	1620	7,5
30	40	179	1785	10	179	1785	10
40	20	950	4750	5	950	4750	5
40	25	-	-	-	661	4130	6,25
40	30	377	2830	7,5	377	2830	7,5
40	35	-	-	-	326	2850	8,75
40	38	-	-	-	308	2930	9,5
40	40	315	3150	10	315	3150	10
40	45	-	-	-	251,5	2830	11,25
40	50	240	3000	12,5	-	-	-
50	20	1490	7450	5	1490	7450	5
50	25	-	-	-	923	5770	6,25
50	30	723	5420	7,5	723	5420	7,5
50	35	514	4500	8,75	689	6030	8,75
50	40	495	4950	10	495	4950	10
50	45	467	5250	11,25	425	4780	11,25
50	50	335	4190	12,5	335	4190	12,5
60	20	-	-	-	2400	11990	5
60	25	-	-	-	408	2550	6,25
60	30	1224	9180	7,5	-	-	-
60	36	-	-	-	311	2800	9
60	40	464	4640	10	464	4640	10
60	45	-	-	-	218	2450	11,25
60	50	579	7240	12,5	-	-	-
60	60	-	-	-	541	8110	15
70	30	1743	13070	7,5	1743	13070	7,5
70	35	-	-	-	1126	9850	8,75
70	40	1528	15280	10	1528	15280	10

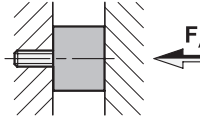
GN 352 / GN 452

Resilient characteristics
for 70 Shore under
axial and static load.

Type E



Type S



d_1	h	Spring rate \approx in N/mm	Max. load in N	Max. travel in mm	Spring rate \approx in N/mm	Max. load F_A in N	Max. travel in mm
70	45	1078	12130	11,25	-	-	-
70	50	-	-	-	894	11170	12,5
70	55	692	9510	13,75	692	9510	13,75
70	70	-	-	-	763	13360	17,5
75	25	3325	20780	6,25	3325	20780	6,25
75	30	2012	15090	7,5	-	-	-
75	40	917	9170	10	917	9170	10
75	50	1084	13550	12,5	1084	13550	12,5
75	55	684	9400	13,75	-	-	-
80	30	-	-	-	2479	18590	7,5
80	40	-	-	-	1762	17620	10
80	80	-	-	-	819,5	16390	20
100	40	2419	24190	10	2419	24190	10
100	50	1832	22900	12,5	1832	22900	12,5
100	55	1806,5	24840	13,75	-	-	-
100	60	1430	21450	15	1430	21450	15
125	55	1972	22190	11,25	1972	22190	11,25
125	75	1340	23780	17,75	1340	23780	17,75

