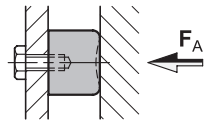
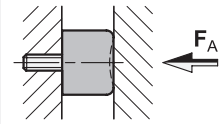
GN 357 / GN 457

Resilient characteristics for 40 Shore under axial and static load

Type **E**



Type **S**



Dimensions in: millimeters / inches

d_1	h	Spring rate ≈	Max. load F_A	Max. travel	Spring rate ≈	Max. load F_A	Max. travel
15 0.59	14 0.55	35 N/mm 200 lbf/in	122 N 27 lbf	3.5 0.14	36 N/mm 205 lbf/in	126 N 28 lbf	3.5 0.14
20 0.79	23.5 0.93	38 N/mm 216 lbf/in	220 N 49 lbf	5.75 0.23	41 N/mm 234 lbf/in	233 N 52 lbf	5.75 0.23
25 0.98	18.5 0.73	80 N/mm 456 lbf/in	362 N 361 lbf	4.5 0.18	74 N/mm 422 lbf/in	332 N 74 lbf	4.5 0.18
30 1.18	28.5 1.12	70 N/mm 399 lbf/in	491 N 110 lbf	7 0.28	74 N/mm 422 lbf/in	520 N 116 lbf	7 0.28
40 1.57	28 1.10	107 N/mm 610 lbf/in	751 N 168 lbf	7 0.28	120 N/mm 685 lbf/in	842 N 189 lbf	7 0.28
50 1.97	28 1.10	216 N/mm 1233 lbf/in	1510 N 339 lbf	7 0.28	197 N/mm 1124 lbf/in	1380 N 310 lbf	7 0.28
70 2.76	43 1.69	228 N/mm 1301 lbf/in	2450 N 550 lbf	10.75 0.42	242 N/mm 1381 lbf/in	2600 N 584 lbf	10.75 0.42
75 2.95	37 1.46	301 N/mm 1718 lbf/in	2786 N 626 lbf	9.25 0.36	425 N/mm 2426 lbf/in	3930 N 883 lbf	9.25 0.36
100 3.94	50 1.97	466 N/mm 2660 lbf/in	5830 N 1310 lbf	12.5 0.49	469 N/mm 2678 lbf/in	5860 N 1317 lbf	12.5 0.49

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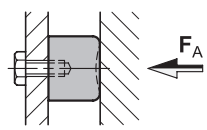
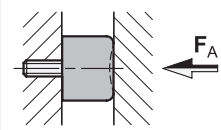
Resilient characteristics for 55 Shore under axial and static load

Type **E**



Type **S**



d_1	h	Spring rate ≈	Max. load F_A	Max. travel	Spring rate ≈	Max. load F_A	Max. travel
15 0.59	14 0.55	69 N/mm 394 lbf/in	241 N 54 lbf	3.5 0.14	65 N/mm 371 lbf/in	228 N 51 lbf	3.5 0.14
20 0.79	23.5 0.93	78 N/mm 445 lbf/in	458 N 108 lbf	5.75 0.23	59 N/mm 336 lbf/in	349 N 78 lbf	5.75 0.23
25 0.98	18.5 0.73	136 N/mm 776 lbf/in	630 N 141 lbf	4.5 0.18	130 N/mm 742 lbf/in	600 N 134 lbf	4.5 0.18
30 1.18	28.5 1.12	132 N/mm 753 lbf/in	939 N 211 lbf	7 0.28	127 N/mm 725 lbf/in	908 N 204 lbf	7 0.28
40 1.57	28 1.10	314 N/mm 1792 lbf/in	2200 N 494 lbf	7 0.28	296 N/mm 1690 lbf/in	2070 N 465 lbf	7 0.28
50 1.97	28 1.10	367 N/mm 2095 lbf/in	2570 N 577 lbf	7 0.28	353 N/mm 2015 lbf/in	2470 N 555 lbf	7 0.28
70 2.76	43 1.69	440 N/mm 2512 lbf/in	4730 N 1063 lbf	10.75 0.42	475 N/mm 2712 lbf/in	5110 N 1148 lbf	10.75 0.42
75 2.95	37 1.46	622 N/mm 3551 lbf/in	5750 N 1292 lbf	9.25 0.36	398 N/mm 2272 lbf/in	3680 N 827 lbf	9.25 0.36
100 3.94	50 1.97	874 N/mm 4990 lbf/in	10920 N 2454 lbf	12.5 0.49	763 N/mm 4356 lbf/in	9540 N 2144 lbf	12.5 0.49

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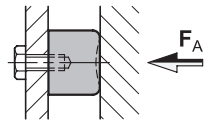
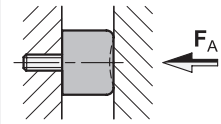
Resilient characteristics for 70 Shore under axial and static load

Type **E**



Type **S**



d_1	h	Spring rate ≈	Max. load F_A	Max. travel	Spring rate ≈	Max. load F_A	Max. travel
15 0.59	14 0.55	119 N/mm 679 lbf/in	416 N 93 lbf	3.5 0.14	115 N/mm 656 lbf/in	404 N 90 lbf	3.5 0.14
20 0.79	23.5 0.93	129 N/mm 736 lbf/in	758 N 170 lbf	5.75 0.23	123 N/mm 702 lbf/in	725 N 162 lbf	5.75 0.23
25 0.98	18.5 0.73	272 N/mm 1553 lbf/in	1260 N 283 lbf	4.5 0.18	318 N/mm 1815 lbf/in	1473 N 331 lbf	4.5 0.18
30 1.18	28.5 1.12	223 N/mm 1273 lbf/in	1591 N 357 lbf	7 0.28	229 N/mm 1307 lbf/in	1630 N 366 lbf	7 0.28
40 1.57	28 1.10	391 N/mm 2232 lbf/in	2740 N 615 lbf	7 0.28	406 N/mm 2318 lbf/in	2840 N 638 lbf	7 0.28
50 1.97	28 1.10	630 N/mm 3597 lbf/in	4410 N 991 lbf	7 0.28	564 N/mm 3220 lbf/in	3950 N 887 lbf	7 0.28
70 2.76	43 1.69	815 N/mm 4653 lbf/in	8760 N 1969 lbf	10.75 0.42	853 N/mm 4870 lbf/in	9170 N 2061 lbf	10.75 0.42
75 2.95	37 1.46	1021 N/mm 5830 lbf/in	9440 N 2122 lbf	9.25 0.36	1400 N/mm 7994 lbf/in	12950 N 2911 lbf	9.25 0.36
100 3.94	50 1.97	1514 N/mm 8645 lbf/in	18930 N 4255 lbf	12.5 0.49	1510 N/mm 8622 lbf/in	18870 N 4242 lbf	12.5 0.49