

THREADED BODY

Zinc-plated steel.

STANDARD EXECUTIONS

Black-oxide and case-hardened steel end.

- **GN 513-I**: with female thread.

- **GN 513-H**: semispherical.

- **GN 513-K**: with bolt.

- **GN 513-P**: prismatic.

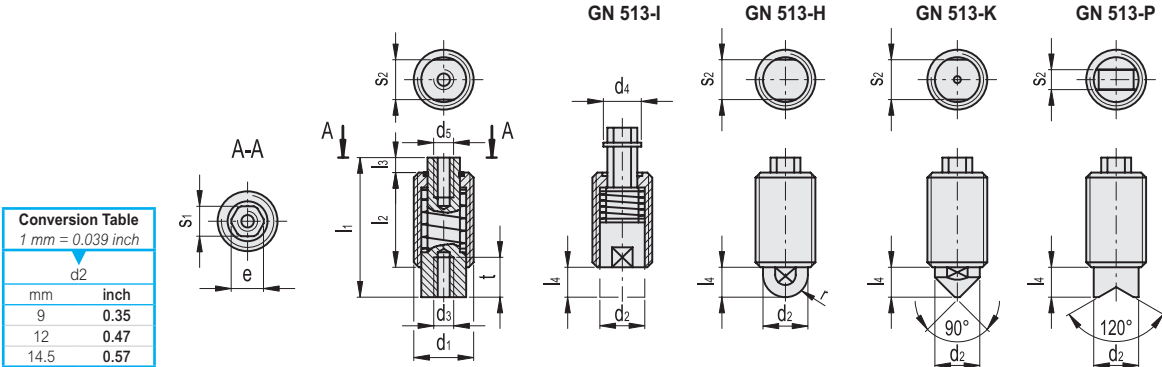
End-force spring:

- 1: normal end-force spring, with phosphatised steel back assembly ring, anthracite colour;

- 2: heavy end-force spring, with zinc-plated steel back assembly ring.

FEATURES AND APPLICATIONS

GN 513 threaded spring elements are suitable for detenting, positioning or for clamping elements by means of the spring pressure load.



METRIC

Code	Description	d1	d2	d3	d4	d5	e	l1	l2	l3	l4	s1	s2	t	r	Spring preload [N]	Spring max load [N]	△
GN.38222	GN 513-M12x1.5-I-1	M12x1.5	9	M4	7.6	M4	6.5	28	19	3	6	6	8	8	-	16	35	10
GN.38227	GN 513-M16x1.5-I-1	M16x1.5	12	M5	8.8	M5	7.8	38	27	3	8	7	10	10	-	25	71	30
GN.38232	GN 513-M20x1.5-I-1	M20x1.5	14.5	M6	11.4	M6	10	47	33	4	10	9	12	12	-	40	130	65
GN.38262	GN 513-M12x1.5-I-2	M12x1.5	9	M4	7.6	M4	6.5	28	19	3	6	6	8	8	-	18	56	10
GN.38267	GN 513-M16x1.5-I-2	M16x1.5	12	M5	8.8	M5	7.8	38	27	3	8	7	10	10	-	45	125	32
GN.38272	GN 513-M20x1.5-I-2	M20x1.5	14.5	M6	11.4	M6	10	47	33	4	10	9	12	12	-	65	200	67
GN.38221	GN 513-M12x1.5-H-1	M12x1.5	9	-	7.6	M4	6.5	28	19	3	6	-	8	-	4.5	16	35	10
GN.38226	GN 513-M16x1.5-H-1	M16x1.5	12	-	8.8	M5	7.8	38	27	3	8	-	10	-	6	25	71	30
GN.38231	GN 513-M20x1.5-H-1	M20x1.5	14.5	-	11.4	M6	10	47	33	4	10	-	12	-	7.2	40	130	66
GN.38261	GN 513-M12x1.5-H-2	M12x1.5	9	-	7.6	M4	6.5	28	19	3	6	-	8	-	4.5	18	56	10
GN.38266	GN 513-M16x1.5-H-2	M16x1.5	12	-	8.8	M5	7.8	38	27	3	8	-	10	-	6	45	125	32
GN.38271	GN 513-M20x1.5-H-2	M20x1.5	14.5	-	11.4	M6	10	47	33	4	10	-	12	-	7.2	65	200	67
GN.38223	GN 513-M12x1.5-K-1	M12x1.5	9	-	7.6	M4	6.5	28	19	3	6	-	8	-	-	16	35	13
GN.38228	GN 513-M16x1.5-K-1	M16x1.5	12	-	8.8	M5	7.8	38	27	3	8	-	10	-	-	25	71	30
GN.38233	GN 513-M20x1.5-K-1	M20x1.5	14.5	-	11.4	M6	10	47	33	4	10	-	12	-	-	40	130	65
GN.38263	GN 513-M12x1.5-K-2	M12x1.5	9	-	7.6	M4	6.5	28	19	3	6	-	8	-	-	18	56	12
GN.38268	GN 513-M16x1.5-K-2	M16x1.5	12	-	8.8	M5	7.8	38	27	3	8	-	10	-	-	45	125	31
GN.38273	GN 513-M20x1.5-K-2	M20x1.5	14.5	-	11.4	M6	10	47	33	4	10	-	12	-	-	65	200	63
GN.38224	GN 513-M12x1.5-P-1	M12x1.5	9	-	7.6	M4	6.5	28	19	3	6	-	4	-	-	16	35	12
GN.38229	GN 513-M16x1.5-P-1	M16x1.5	12	-	8.8	M5	7.8	38	27	3	8	-	6	-	-	25	71	29
GN.38234	GN 513-M20x1.5-P-1	M20x1.5	14.5	-	11.4	M6	10	47	33	4	10	-	8	-	-	40	130	64
GN.38264	GN 513-M12x1.5-P-2	M12x1.5	9	-	7.6	M4	6.5	28	19	3	6	-	4	-	-	18	56	12
GN.38269	GN 513-M16x1.5-P-2	M16x1.5	12	-	8.8	M5	7.8	38	27	3	8	-	6	-	-	45	125	31
GN.38274	GN 513-M20x1.5-P-2	M20x1.5	14.5	-	11.4	M6	10	47	33	4	10	-	8	-	-	65	200	65