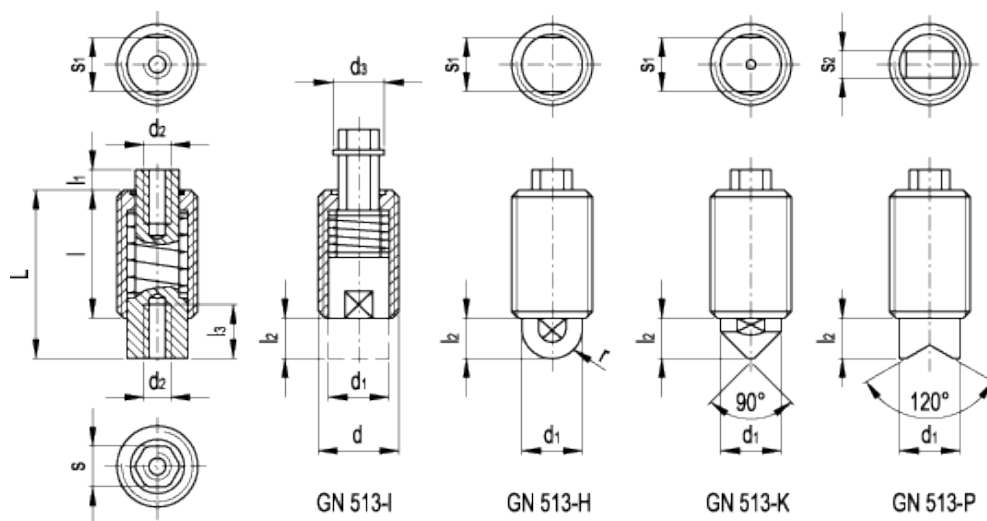


GN 513

Threaded spring elements



technical informations

Threaded body

Zinc-plated steel, blue passivated.

Standard executions available

Black-oxide and case-hardened steel end.

- Execution I: with female thread.
- Execution H: semispherical.
- Execution K: with bolt.
- Execution P: prismatic.

Spring pressure:

- description with suffix -1: normal end-force spring, with phosphatised steel back assembly ring, anthracite colour;
- description with suffix -2: heavy end-force spring, with zinc-plated steel back assembly ring, blue passivated.

Applications

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

Standard Elements	Main dimensions													Spring pressure		Weight
Description	d	d ₁	d ₂	d ₃	L	l	l ₁	l ₂	l ₃	r	s	s ₁	s ₂	Preload [N~]	Max. load [N~]	g
GN 513-M12x1.5-H-1	M12x1.5	9	M4	7.6	25	19	3	6	-	4.5	-	8	-	16	35	10
GN 513-M16x1.5-H-1	M16x1.5	12	M5	8.8	35	27	3	8	-	6	-	10	-	25	71	30
GN 513-M20x1.5-H-1	M20x1.5	14.5	M6	11.4	43	33	4	10	-	7.2	-	12	-	40	130	66
GN 513-M12x1.5-H-2	M12x1.5	9	M4	7.6	25	19	3	6	-	4.5	-	8	-	18	56	10
GN 513-M16x1.5-H-2	M16x1.5	12	M5	8.8	35	27	3	8	-	6	-	10	-	45	125	32
GN 513-M20x1.5-H-2	M20x1.5	14.5	M6	11.4	43	33	4	10	-	7.2	-	12	-	65	200	67
GN 513-M12x1.5-I-1	M12x1.5	9	M4	7.6	25	19	3	6	8	-	6	8	-	16	35	10
GN 513-M16x1.5-I-1	M16x1.5	12	M5	8.8	35	27	3	8	10	-	7	10	-	25	71	30
GN 513-M20x1.5-I-1	M20x1.5	14.5	M6	11.4	43	33	4	10	12	-	9	12	-	40	130	65
GN 513-M12x1.5-I-2	M12x1.5	9	M4	7.6	25	19	3	6	8	-	6	8	-	18	56	10
GN 513-M16x1.5-I-2	M16x1.5	12	M5	8.8	35	27	3	8	10	-	7	10	-	45	125	32
GN 513-M20x1.5-I-2	M20x1.5	14.5	M6	11.4	43	33	4	10	12	-	9	12	-	65	200	67
GN 513-M12x1.5-K-1	M12x1.5	9	M4	7.6	25	19	3	6	-	-	-	8	-	16	35	13
GN 513-M16x1.5-K-1	M16x1.5	12	M5	8.8	35	27	3	8	-	-	-	10	-	25	71	30
GN 513-M20x1.5-K-1	M20x1.5	14.5	M6	11.4	43	33	4	10	-	-	-	12	-	40	130	65
GN 513-M12x1.5-K-2	M12x1.5	9	M4	7.6	25	19	3	6	-	-	-	8	-	18	56	12
GN 513-M16x1.5-K-2	M16x1.5	12	M5	8.8	35	27	3	8	-	-	-	10	-	45	125	31
GN 513-M20x1.5-K-2	M20x1.5	14.5	M6	11.4	43	33	4	10	-	-	-	12	-	65	200	63
GN 513-M12x1.5-P-1	M12x1.5	9	M4	7.6	25	19	3	6	-	-	-	-	4	16	35	12
GN 513-M16x1.5-P-1	M16x1.5	12	M5	8.8	35	27	3	8	-	-	-	-	6	25	71	29
GN 513-M20x1.5-P-1	M20x1.5	14.5	M6	11.4	43	33	4	10	-	-	-	-	8	40	130	64
GN 513-M12x1.5-P-2	M12x1.5	9	M4	7.6	25	19	3	6	-	-	-	-	4	18	56	12
GN 513-M16x1.5-P-2	M16x1.5	12	M5	8.8	35	27	3	8	-	-	-	-	6	45	125	31
GN 513-M20x1.5-P-2	M20x1.5	14.5	M6	11.4	43	33	4	10	-	-	-	-	8	65	200	65



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