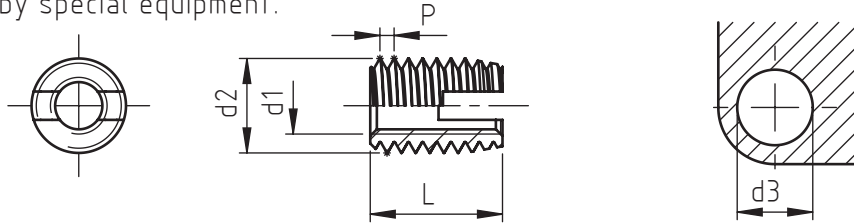


Applications: ferrous and no-ferrous metals, light alloy, cast iron, brass, plastic materials, resins.

Assembly: by special equipment.



code	metric thread	special external thread		total length	approx. hole diameter d3			min. hole depth
		d2	P		L	light alloy Rm<250 <150HB plastic	light alloy Rm<350 c.iron<200HB plastic hard	
302 0020. *	M 2	4,5	0,5	6	4,1	4,1 ÷ 4,2	4,2 ÷ 4,3	8
302 0025. *	M 2,5	4,5	0,5	6	4,1	4,1 ÷ 4,2	4,2 ÷ 4,3	8
302 0030. *	M 3	5	0,5	6	4,6	4,6 ÷ 4,7	4,7 ÷ 4,8	8
302 0035. *	M 3,5	6	0,75	8	5,4	5,5 ÷ 5,6	5,6 ÷ 5,7	10
302 0040. _____	M 4	6,5	0,75	8	5,9 ÷ 6,0	6,0 ÷ 6,1	6,1 ÷ 6,2	10
302 0050. _____	M 5	8	1	10	7,2 ÷ 7,3	7,3 ÷ 7,5	7,5 ÷ 7,6	13
302 0061. _____	M 6	9	1	12	8,2 ÷ 8,3	8,3 ÷ 8,5	8,5 ÷ 8,6	15
302 0060. _____	M 6	10	1,5	14	8,8 ÷ 9,0	9,0 ÷ 9,2	9,2 ÷ 9,4	17
302 0080. _____	M 8	12	1,5	15	10,8 ÷ 11,0	11,0 ÷ 11,2	11,2 ÷ 11,4	18
302 0100. _____	M10	14	1,5	18	12,8 ÷ 13,0	13,0 ÷ 13,2	13,2 ÷ 13,4	22
302 0120. _____	M12	16	1,5	22	14,8 ÷ 15,0	15,0 ÷ 15,2	15,2 ÷ 15,4	26
302 0140. _____	M14	18	1,5	24	16,8 ÷ 17,0	17,0 ÷ 17,2	17,2 ÷ 17,4	28
302 0160. _____	M16	20	1,5	22	18,8 ÷ 19,0	19,0 ÷ 19,2	19,2 ÷ 19,4	27
302 0180. _____	M18	22	1,5	24	20,8 ÷ 21,0	21,0 ÷ 21,2	21,2 ÷ 21,4	29
302 0200. _____	M20	26	1,5	27	24,8 ÷ 25,0	25,0 ÷ 25,2	25,2 ÷ 25,4	32
302 0220. _____	M22	26	1,5	30	24,8 ÷ 25,0	25,0 ÷ 25,2	25,2 ÷ 25,4	36
302 0240. _____	M24	30	1,5	30	28,8 ÷ 29,0	29,0 ÷ 29,2	29,2 ÷ 29,4	36
302 0270. _____	M27	34	1,5	30	32,8 ÷ 33,0	33,0 ÷ 33,2	33,2 ÷ 33,4	36
302 0300. _____	M30	36	1,5	40	34,8 ÷ 35,0	35,0 ÷ 35,2	35,2 ÷ 35,4	46

Rm = ultimate tensile strength N/mm² HB = Brinell hardness

Non binding dimensions, expressed in mm.

* Use only with soft materials otherwise the mandrel resistance could be insufficient.

In order to use correctly the products, we suggest to carry out some preliminary assembly tests to determine the right hole.

Other METRIC, UNC, UNF, WHITWORTH, threads are available on demand.

▬ Standard

□ On demand

--- Not manufactured

Material: steel _____ .16
 ferritic stainless steel 1.4105 (up to M16) _____ .40
 austenitic stainless steel 1.4305 (up to M20) _____ .50
 brass (up to M16) _____ .80

Finishing: steel bushings: zinc-plated
 stainless steel bushings: natural
 brass bushings: natural

Tolerances: ISO 2768 - m

Threading d1: ISO 6 H metric

Example: self-tapping Ensat series 302, M5 thread,
 zinc-plated steel: 302 0050.16



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