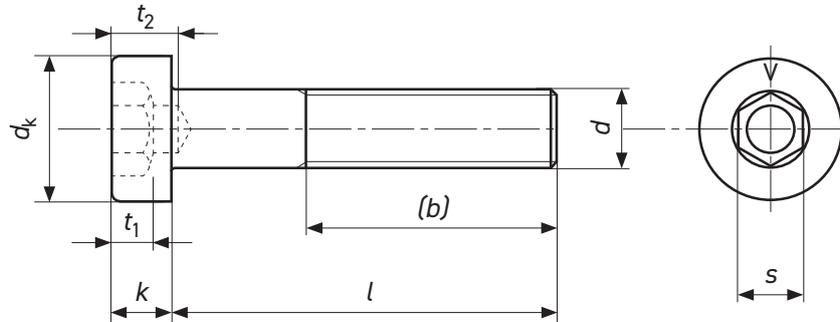


# HEXAGON SOCKET THIN HEAD CAP SCREWS WITH PILOT RECESS

ISO METRIC COARSE THREAD

ISO    UNI    DIN  
-       -       6912



MATERIAL	STEEL	STAINLESS STEEL
MECHANICAL PROPERTIES	ACCORDING TO ISO 898-1*	ACCORDING TO ISO 3506-1
CLASS	<b>8.8</b> <b>10.9</b>	<b>A2</b> <b>A4</b>
TOLLERANCES	ACCORDING TO ISO 4759-1 CAT A	ACCORDING TO ISO 4759-1 CAT A
AVAILABLE TREATMENT	Black, White zinc plated or Yellow zinc plated according to RoHS. Other coatings on request	

<i>d</i>	M5	M6	M8	M10	M12	M14	M16
<i>dk</i>	8,5	10	13	16	18	21	24
<i>k</i>	3,5	4	5	6,5	7,5	8,5	10
<i>s</i>	4	5	6	8	10	12	14
<i>t1</i>	2	2,5	3	3,5	4	4,5	5,5
<i>t2 min</i>	4	5	6,5	7,5	9	10	11,5
<i>b</i>	16	18	22	26	30	34	38

(\*) The critical cross section of screws covered by this standard can, as consequence of the head geometry and the form of wrench engagement, be located below the hexagon socket and not in the thread. It is recommended that the screws should not be used for the transmission of high axial loads. The form of the key engagement permits the application of prestressing loads corresponding to 70% of the minimum yield point specified for properties of 8.8 screws. **For this reason the standard UNI EN ISO 898-1, paragraph 10.4, prescribes for new production a different marking, where the property class is preceded by the digit 0: it is 08.8 or 088, or the dot in the marking symbol may be omitted.**



	d	M5	M6	M8	M10	M12	M14	M16
	10	2,2	3,6					
	12	2,5	3,9	7,7				
	14	2,8	4,2	8,2				 Kg
	16	3,1	4,5	8,8	15,5	22,3		
	18	3,4	4,8	9,5				
	20	3,7	5,1	10,2	17,0	25,5	37,9	52,6
	25	4,4	6,2	12,5	20,2	29,5	42,5	56,5
	30	5,1	7,3	14,0	22,0	32,5	48,0	63,0
	35	5,8	8,3	15,7	25,5	36,5	53,0	69,7
	40	6,5	9,5	17,5	28,5	40,0	58,0	78,7
	45	7,2	10,5	19,5	31,6	44,0	63,0	85,3
	50	7,9	11,5	21,5	34,8	48,0	69,5	91,5
	55	8,6	12,5	23,4	37,5	52,0	75,5	99,0
	60	9,3	13,6	25,3	40,3	57,0	82,0	107,0
	70		15,8	29,1	46,0	65,0	92,5	122,0
	80		17,9	32,8	52,5	72,0	104,0	140,0
	90				57,8	80,0	116,0	154,0
	100					88,0	127,0	169,0

l = LENGTH

 Weight for 1000 pcs

For stainless steel A2 products, multiply the weight values for 1,01, A4 by 1,013.

Sizes above the green line have full thread.

The weights indicated are approximate. **Other sizes available on request.**

