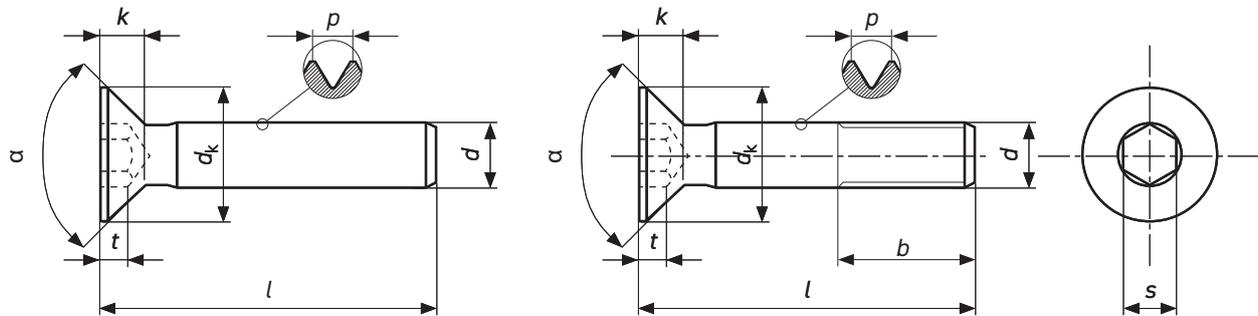


HEXAGON SOCKET COUNTERSUNK HEAD SCREWS

ISO METRIC COARSE THREAD

ISO 10642 UNI 5933* DIN 7991*



MATERIAL	STEEL	STAINLESS STEEL
MECHANICAL PROPERTIES	ACCORDING TO ISO 898-1**	ACCORDING TO ISO 3506-1
CLASS	4.8 8.8 10.9	A2 A4
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 with dehydrogenation according to RoHS. Other coatings on request	

d	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M24
p	0,5	0,7	0,8	1	1,25	1,5	1,75	2	2	2,5	2,5	3
α	90°(+2°)											
s	2	2,5	3	4	5	6	8	10	10		12	
dk max	6,72	8,96	11,20	13,44	17,92	22,40	26,88	30,80	33,60		40,32	
b***	12	14	16	18	22	26	30	34	38		46	
k max	1,86	2,48	3,1	3,72	4,96	6,2	7,44	8,4	8,8		10,16	
t min	1,1	1,5	1,9	2,2	3	3,6	4,3	4,5	4,8		5,6	

(*) DIN 7991 and UNI 5933 standards differs from ISO for these sizes

s										12		14
dk max	6	8	10	12	16	20	24	27	30	33	36	39
b***										42		60
k max	1,7	2,3	2,8	3,3	4,4	5,5	6,5	7	7,5	8	8,5	14
t max	1,2	1,8	2,3	2,5	3,5	4,4	4,6	4,8	5,3	5,5	5,9	10,3

(**) As it is possible for the critical cross section in these screws to lie between the hexagon socket and the threaded portion of the shank, they are not to be subjected to the wedge loading test for the strenght class 10.9. Further more the hardness test has been made mandatory for acceptance inspection. 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 010.9 or 0109, for the dot in the marking symbol may be omitted.

Also available with hexalobular socket (Allen) according to ISO 14581.

(***) Length b refers to the partially threaded shank.



	d	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M24
L = LENGTH	6	0,38	0,77										
	8	0,47	0,92	1,60	2,35								
	10	0,56	1,07	1,85	2,70	5,47							 Kg
	12	0,65	1,23	2,10	3,05	6,10	10,10						
	14	0,72	1,42	2,22	3,25	6,40	11,00						
	16	0,83	1,53	2,59	3,76	7,35	12,10						
	18	0,89	1,76	2,70	3,95	7,64	12,90						
	20	1,00	1,84	3,09	4,46	8,60	14,10	21,20					
	22	1,15	1,98	3,25	4,65	9,56	15,30						
	25	1,35	2,23	3,71	5,34	10,20	16,60	24,80	32,60				
	30	1,63	2,6	4,33	6,22	11,70	19,10	28,50	37,60	51,80			
	35		2,9	4,7	7,10	13,30	21,60	32,10	42,50	58,40		91,40	
	40		3,3	5,4	7,8	14,80	24,10	35,70	47,40	65,10	79,30	102,00	
	45		3,6	6	8,6	16,50	26,30	37,90	52,30	70,70	94,00	110,00	
	50		4,0	6,6	9,5	17,5	30,10	43,00	57,30	78,40	96,00	125,0	179,00
	55		4,3	7,2	10,3	19,2	31,5	45,10	62,30	84,00	104,5	134,0	
	60		4,7	7,8	11,1	21,0	34,6	48,50	67,10	91,70	112,8	143,0	209,00
	65			8,4	12,5	22,5	37,3	53,2	72,00			152,0	
	70			9,0	13,5	24,1	40,0	57,2	76,90	105,0	129,6	161,0	239,00
	80				14,6	27,1	44,2	64,8	81,80	122,0	146,3	179,0	269,00
90				15,7	30,1	48,6	72,4	86,70	136,9	163,1	197,0	299,00	
100				16,8	33,1	52,9	80	91,60	151,8	179,8	215,0	340,00	
110					36,2	57,2	87,6		166,7	196,6			
120					39,2	61,5	95,2		181,6	213,3			
130										230,1			

Weights table for full thread screws supplied as standard

 Weight for 1000 pcs

For stainless steel A2 products, multiply the weight values for 1,01, A4 by 1,013.
The weights indicated are approximate. **Other sizes available on request.**

