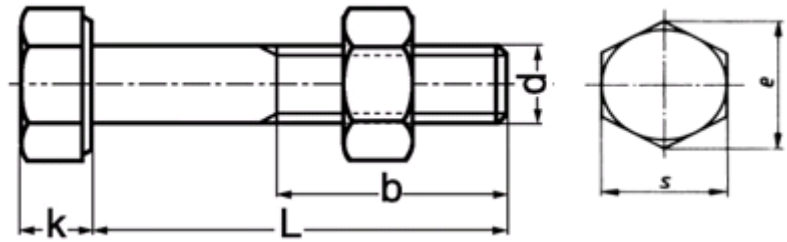


Hexagon bolt with nut Steel 8.8 zinc plated



Specifications

Mechanical properties	ISO 898-1
Property class	8.8
Threads	6h
Coating	Zinc plated CR3 – acc. ISO 4042 / A2K
Head Marking	Manufacturer's ID and 8.8

d	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 18	M 20	M 22	M 24	M 27	M 30	M 33	M 36
b for l ≤ 125mm	16	18	22	26	30	34	38	42	46	50	54	60	66	72	78
b for l > 125mm and ≤ 200mm	22	24	28	32	36	40	44	48	52	56	60	66	72	78	84
b for l > 200mm	-	-	-	45	49	53	57	61	65	69	73	79	85	91	97
k	3,5	4	5,3	6,4	7,5	8,8	10	11,5	12,5	14	15	17	18,7	21	22,5
e	8,79	11,05	14,38	18,90	21,10	24,49	26,75	30,14	33,53	35,72	39,98	45,20	50,85	55,37	60,79
s	8	10	13	17	19	22	24	27	30	32	36	41	46	50	55
Pitch	0,8	1	1,25	1,5	1,75	2	2	2,5	2,5	2,5	3	3	3,5	3,5	4

Proof load

Diameter	Pitch	Tensile stress area	Proof load (As * Sp) in N
	P	As/mm ²	Grade 8.8
m 5	0,80	14,20	8.230
m 6	1,00	20,10	11.600
m 8	1,25	36,60	21.200
m 10	1,50	58,00	33.700
m 12	1,75	84,30	48.900
m 14	2,00	115,00	66.700
m 16	2,00	157,00	91.000
m 18	2,50	193,00	115.000
m 20	2,50	245,00	147.000
m 22	2,50	303,00	182.000
m 24	3,00	353,00	212.000
m 27	3,00	459,00	275.000
m 30	3,50	561,00	337.000
m 33	3,50	694,00	416.000
m 36	4,00	817,00	490.000

Mechanical properties

		Grades		
		8.8	8.8	
		≤ M 16	> M 16	
Tensile strength	N/mm ²	Nom.value	800	800
		Minimum	800	830
Stress under proof load	N/mm ²	Nom.value	580	600
		Minimum	580	600
0.2% Elongation limit	N/mm ²	Nom.value	640	640
		Minimum	640	660
Elongation after fracture	A ₅ in %	Minimum	12	12
		Maximum	320	335
Vickers Hardness	HV ≥ F 98N	Minimum	245	255
		Maximum	316	331
Brinell Hardness	HB F=30D2	Minimum	245	250
		Maximum	316	331
Rockwell hardness	HRC	Minimum HRC	22	23
		Maximum HRC	32	34

These are our recommended guidelines only