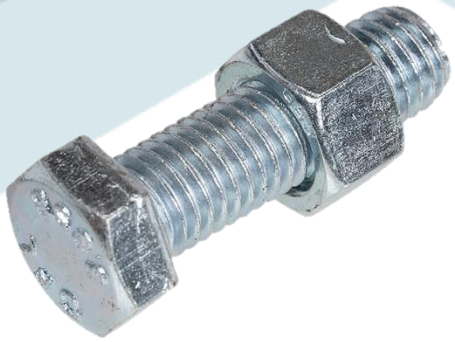
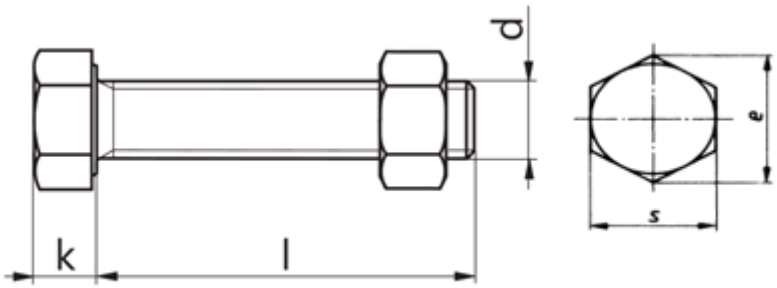
01045

DIN 933/934

Hexagon set screw 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 4	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
k	2,8	3,5	4	5,3	6,4	7,5	8,8	10	11,5	12,5	14	15	17,0	18,7	21	22,5
e (min.)	7,66	8,79	11,05	14,38	18,9	21,1	24,49	26,75	30,14	33,53	35,72	39,98	45,2	50,85	55,37	60,79
s (max.)	7	8	10	13	17	19	22	24	27	30	32	36	41	46	50	55
Pitch	0,70	0,80	1,00	1,25	1,50	1,75	2,00	2,00	2,50	2,50	2,50	3,00	3,00	3,50	3,50	4,00

Proof load

Diameter	Pitch	Tensile stress area	Proof load (As * Sp) in N
	P	As/mm2	8.8
m 4	0,70	8,78	5 100
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/mm2	Nom.value	800	800
		Minimum	800	830
Stress under proof load	N/mm2	Nom.value	580	600
0.2% Elongation limit	N/mm2	Nom.value	640	640
		Minimum	640	660
Elongation after fracture	A_s in %	Minimum	12	12
Vickers Hardness	HV ≥F 98N	Minimum	250	255
		Maximum	320	335
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

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