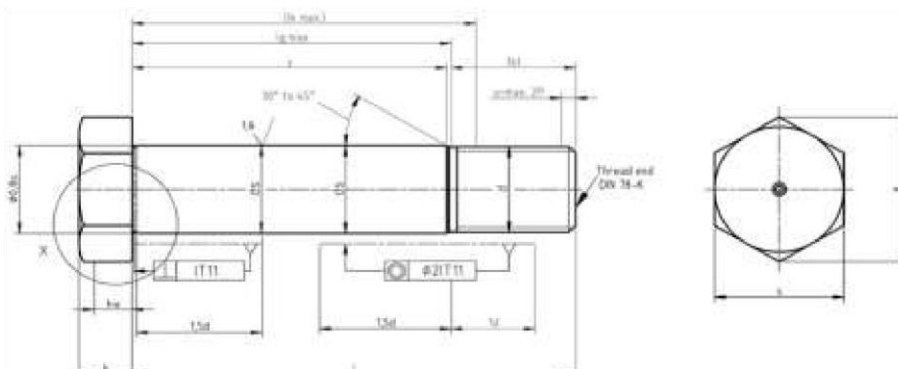




Product Dimensions and Weights

DIN 609 Technical Specifications

Metric DIN 609 Hex Head Shoulder Screw



Dimensions of Metric DIN 609 Hex Head Shoulder Screw

thread (d)		M8	M10	M12	M16	M20	M24	M30	M36	M42	M48
		M8x1	M10x1.25	M12x1.25	M16x1.5	M20x1.5	M24x2	M30x2	M36x3	M42x3	M48x3
		-	M10x1	M12x1.5	-	M20x2	M24x1.5	-	-	-	-
b	l ≤ 50mm	14.5	17.5	20.5	25	28.5	-	-	-	-	-
	l < 50	16.5	19.5	22.5	27	30.5	36.5	43	49	56	63
	≤ 150mm	21.5	24.5	27.5	32	35.5	41.5	48	54	61	68
	l > 150 mm	21.5	24.5	27.5	32	35.5	41.5	48	54	61	68
	nominal size	9	11	13	17	21	25	32	38	44	50
	max.	9,001	11,001	13,001	17,001	21,002	25,002	32,002	38,002	44,002	50,002
ds	min.	9.01	11,012	13,012	17,012	21,015	25,015	32,018	38,018	44,018	50,018
	max.	7.9	9.9	11.5	15.5	19.1	23.1	29.7	35.7	41.7	47.7
dg	min.	8.2	10.2	11.8	15.8	19.4	23.4	30	36	42	48
e	min.	14.4	17.77	19.85	26.17	32.95	39.55	50.85	60.79	71.3	82.6
k	nominal size	5.3	6.4	7.5	10	12.5	15	19	22	26	30
	max.	5.15	6.22	7.21	9.71	12.15	14.65	18.58	21.58	25.58	29.58
	min.	5.45	6.58	7.79	10.29	12.85	15.35	19.42	22.42	26.42	30.42
kw	min.	3.61	47.35	5.05	6.8	8.51	10.26	13.01	15.11	17.91	20.71
r	min.	0.4	0.4	0.6	0.6	0.8	0.8	1	1	1	1
	max.	0.55	0.55	0.75	0.75	0.95	0.95	1.15	1.15	1.15	1.15
s	nominal size max.	13	16	18	24	30	36	46	55	65	75
	min.	2.73	15.73	17.57	23.16	29.16	35	45	53.8	63.1	73.1



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Metric DIN 557 regular pattern square nuts are four sided nuts. Their geometry provides a greater surface area to apply higher torque when tightening and also a greater surface area in contact with the part being fastened, thereby increasing the resistance to loosening. Unique Fasteners offers the following sizes for immediate delivery from stock: Diameters ranging from M5 to M12.

DIN (**D**eutsches **I**nstitut für **N**ormung - German Institute for Standardization) standards are issued for a variety of components including industrial fasteners as metric DIN 557 regular pattern square nuts. The DIN standards remain common in Germany, Europe and globally even though the transition to ISO standards is taking place. DIN standards continue to be used for parts which do not have ISO equivalents or for which there is no need for standardization.