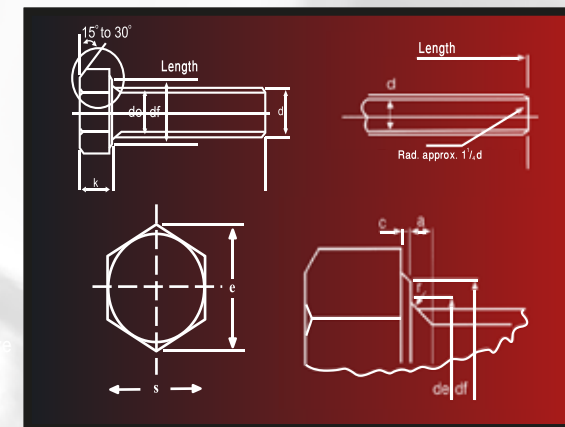


Non- Pre Load Bolt Assemblies as ISO 4017

Hex Bolt

Bolt Drawing



ISO 4017 Fully threaded setscrew dimensions. Classes 8.8 & 10.9												
Nominal size and Thread dia. <i>d</i>	Pitch of thread <i>p</i> (Coarse pitch series)	Plain portion <i>a</i>	Width across flats <i>s</i>		Width across corners <i>e</i>	Diameter of washer face <i>df</i>	Depth of washer face <i>c</i>		Radius under head <i>r</i>	Transition diameter <i>de</i>	Thickness of head <i>k</i>	
			max	min			max	min			max	Min
M12	1.75	5.25	18.00	17.57	19.85	16.47	0.60	0.15	0.60	13.70	7.68	7.32
M16	2.00	6.00	24.00	23.16	26.16	22.00	0.80	0.20	0.60	17.70	10.29	9.71
M20	2.50	7.50	30.00	29.16	32.95	27.70	0.80	0.20	0.80	22.40	12.85	12.15
M24	3.00	9.00	36.00	35.00	39.55	33.25	0.80	0.20	0.80	26.40	15.35	14.65
M30	3.50	10.50	46.00	45.00	50.85	42.75	0.80	0.20	1.00	33.40	19.12	18.28
M36	4.00	12.00	55.00	53.00	60.78	51.11	0.80	0.20	1.00	39.40	22.92	22.08

Product Characteristics	Standard	
Fully threaded setscrews		
General requirements	ISO 4017	
Material & manufacture	ISO 898-1 CLASSES 8.8 & 10.9	
Finish /coatings	Zinc electroplated	BS 7371-3 or BS EN ISO 4042
	Hot dip galvanized	BS 7371-6 or BS EN ISO 10684
Mechanical Properties	ISO 898-1 Classes 8.8 & 10.9	
Dimensions & tolerances	ISO 4017	
Threads	ISO 965-2 class 6G	

Bolt thread dia	ISO 4017 Mechanical properties. Grade 8.8 setscrews				
	Tensile strength	Proof load	Elongation	Hardness Rockwell HRC	
	N/mm ² min	N/mm ² min	% min	min	Max
M12	800.00	48.90	12.00	22.00	32.00
M16	800.00	91.00	12.00	22.00	32.00
M20	830.00	147.00	12.00	23.00	34.00
M22	830.00	182.00	12.00	23.00	34.00
M24	830.00	212.00	12.00	23.00	34.00
M27	830.00	275.00	12.00	23.00	34.00
M30	830.00	337.00	12.00	23.00	34.00
M36	830.00	490.00	12.00	23.00	34.00

Marking

