

# GROUND EQUIPMENT



**REGBAR**  
CONSTRUCTION TECHNOLOGY SOLUTIONS

**BOLTS STUDS**

# GROUND EQUIPMENT

## BOLTS STUDS

### Properties

#### Bolts:

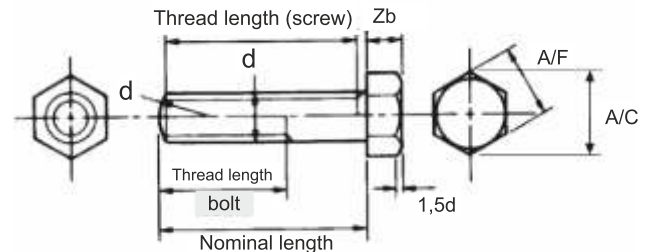
Regbar manufactures Hexagon-Head bolts, Countersunk head bolts, Allen head bolts, Round Head bolts, Square head bolts, Wheel bolts, Eye bolts, Headless Setscrew screws, T-head bolts, Round head bolts, Heavy-duty bolts, Pre-loading bolts, Bolts without pre-loading, Ribbed iron bolts, Insulator bolts conforming to EN 14399-3 HR Bolts, EN 14399-4 HV Bolts, EN 15048, EN 14399-10 TCB Bolts, DIN 6914, DIN 7991, DIN 912, DIN 912, DIN 931, EN ISO 4014, DIN 933, EN ISO 4017, DIN 960, EN ISO 8765 and DIN 961 standards.



Bolt studs are designed to meet or exceed major international building codes and Department of Transportation requirements, including:

**EN 14399-3 HR Bolts, EN 14399-4 HV Bolts, EN 15048, EN 14399-10 TCB Bolts, DIN 6914, DIN 7991, DIN 912, DIN 912, DIN 931, EN ISO 4014, DIN 933, EN ISO 4017, DIN 960, EN ISO 8765 and DIN 961**

### Detail BOLTS



Nominal (D) Size	Thread Pitch	Standarts	Bolt dia		Pitch Diameter (d2) max - min	Bolt Head	Bolt Nut	
			Major(d) max - min	Minor(d3) max - min		Thick (Zb)	Acc./Flats (A/F) max - min	Acc./Corn (A/C)
M3	0,5	Thread Form to BS 3643	2,980 - 2,874	2,439 - 2,272	2,655 - 2,580	2,125	5,50 - 5,38	6,4
M4	0,7		3,978 - 3,838	3,220 - 3,002	3,523 - 3,433	2,925	7,00 - 6,85	8,1
M5	0,8		4,976 - 4,826	3,869 - 4,110	4,456 - 4,361	3,65	8,00 - 7,85	9,2
M6	1		5,974 - 5,794	4,891 - 4,596	5,324 - 5,212	4,15	10,00 - 9,78	11,5
M8	1,25		7,972 - 7,760	6,272 - 6,619	7,160 - 7,042	5,65	13,00 - 12,73	15
M10	1,5		9,968 - 9,732	8,344 - 7,938	8,994 - 8,862	7,18	17,00 - 16,73	19,6
M12	1,75		11,966 - 11,701	10,072 - 9,601	10,829 - 10,679	8,18	19,00 - 18,67	22,1
M16	2		15,962 - 15,682	13,797 - 13,271	14,663 - 14,503	10,18	24,00 - 23,67	27,7
M20	2,5		19,958 - 19,623	17,252 - 16,624	18,334 - 18,164	13,215	30,00 - 29,67	34,6
M24	3		23,952 - 23,577	20,701 - 19,955	22,003 - 21,803	15,215	36,00 - 35,58	41,6
M30	3,5		29,947 - 29,522	26,158 - 25,306	27,674 - 27,462	19,26	46,00 - 45,38	53,1
M36	4		35,940 - 35,465	31,610 - 30,654	33,342 - 33,118	23,26	55,00 - 54,26	63,5

#### HEADQUARTERS

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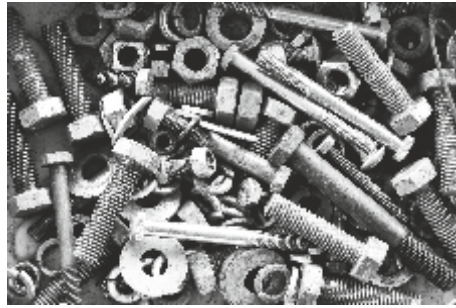
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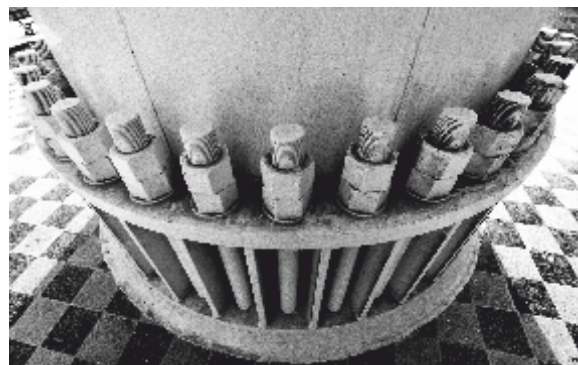
## STUDS

Regbar also manufactures full length (overall) studs, trapezoid studs, double-edged threaded studs and u-bolts. Regbar studs are manufactured in accordance with ASTM A722-07 and AASHTO M275 standards. Provides an additional 130 degrees anti-roll test when required.

### Features:

Regbar studs are manufactured in accordance with the standards of ASTM A722-07 and AASHTO M275. It can pass 135 ° additional cornering test, if required. The test loading shows Regbar 150 ksi All - Thread- Bars which meets or exceeds the post-stressing rod and rock anchorage criteria determined by the Message Stressing Institution including the dynamic test requirements beyond 500.000 loops.

METRIC THREAD CHART				
NOM. DIA.	PITCH mm	DIAMETER mm	DIAMETER inch	NUT size
M10	1,50	10	0.3937	17
M12	1,75	12	0.4724	19
M14	2,00	14	0.5512	22
M16	2,00	16	0.6299	24
M18	2,50	18	0.7087	27
M20	2,50	20	0.7874	30
M22	2,50	22	0.8661	32
M24	3,00	24	0.9449	36
M27	3,00	27	1.063	41
M30	3,50	30	11.811	46
M33	3,50	33	12.992	50
M36	4,00	36	14.173	55
M39	4,00	39	15.354	60
M42	4,50	42	16.535	65
M45	4,50	45	17.717	70
M48	5,00	48	18.898	75
M52	5,00	52	20.472	80
M56	5,50	56	22.047	85
M60	5,00	60	23.622	90
M64	6,00	64	25.197	95
M68	6,00	68	26.772	100
M72	6,00	72	28.346	105
M76	6,00	76	29.921	110
M80	6,00	80	31.496	115
M85	6,00	85	33.464	120
M90	6,00	90	35.433	130
M100	6,00	100	3.937	145
M110	6,00	110	43.307	155
M125	6,00	125	49.212	180
M140	6,00	140	55.118	200
M160	6,00	160	62.992	230



Regbar Construction Technology



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