

- ✓ RIGHT PRODUCTS
- ✓ RIGHT PLACE
- ✓ RIGHT TIME



## Product Model

### BZP Studding

Mild Steel Studding in 3metre Lengths with a Bright Zinc Plated finish. Studding has many uses and can be used where the length required is longer than standard sized bolts. Available in sizes M6 up to M24



SUPPORT SYSTEMS LTD.

Technical data supplied by the manufacturer

#### Description Subtitle

Material Specification on individual batches available upon request.

Material: Steel

Grade: Class 4.6

Diameter: M6- 24

Specification: DIN 975

Type: Threaded Rod

Thread: Coarse

Hardness: B95

Thread Size: See above

Length:3M

System of Measurement: Metric

Finish: Zinc

Size	Safe Working Load
M6	245kg
M8	448kg
M10	709kg
M12	1030kg

See below for more sizes and information

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Nominal Size	Pitch (mm) (in)	Stress Area (mm <sup>2</sup> )	Minimum Proof Load (lbf) (kg) 1)		
			Property Class		
			4.6	8.8	10.9
M3	0.5	5.0	1.1	2.9	4.2
M4	0.7	8.8	2.0	5.1	7.3
M5	0.8	14.2	3.2	8.2	11.8
M6	1	20.1	4.5	11.7	16.7
M8	1.25	36.6	8.2	21.2	30.4
M10	1.5	58.0	13.1	33.6	48.1
M12	1.75	84.3	19.0	48.9	70.0
M14	2	115	25.9	66.7	95.5
M16	2	157	35.3	91.1	130
M18	2.5	192	43.2	115	159
M20	2.5	245	55.1	147	203
M22	2.5	303	68.2	182	251
M24	3	353	79.4	212	293
M27	3	459	103	275	381
M30	3.5	561	126	337	466
M33	3.5	694	156	416	576
M36	4	817	184	490	678
M39	4	976	220	586	810
M42	4.5	1121	252	673	930
M48	5	1473	331	884	1223
M52	5	1758	396	1055	1459
M54	6	2676	602	1606	2221

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Threaded Rod M8 Material Certificate

<b>MATERIAL CERTIFICATE</b>						
<b>CUSTOMER CSS</b>		<b>PRODUCT : THREADED ROD M8 X 3000 ZP</b>			<b>DATE : 22/10/2008</b>	
<b>Chemical Test Report</b>	<b>Chemical Composition (%)</b>					
	<b>ELEMENTS</b>	<b>Carbon</b>	<b>Silicon</b>	<b>Manganese</b>	<b>Phosphorus</b>	<b>Sulphur</b>
		C x 100	Si x 100	M x 100	P x 100	5 x 100
<b>Standard</b>		Max			Max	Max
		0.55				
<b>Actual Data</b>		0.19	0.18	0.51	0.023	0.018
<b>Physical Property Test Report</b>	<b>Physical Property Composition</b>					
	<b>Tensile Strength</b>	<b>Hardness</b>		<b>Elongation</b>	<b>Yield Strength</b>	
	N/mm2	HRB		% min	N/mm2 min	
<b>Standard</b>	420	70 - 100		14	340	
<b>Actual Data</b>	528	89		16	420	
<b>Samples Tested = 5 pieces</b>						
<b>Dimension Test</b>	<b>Go Gauge</b>	<b>Not go gauge</b>	<b>Length</b>	<b>Out Diameter</b>	<b>Camber</b>	<b>Surface</b>
<b>Standard</b>	6g	6g	3000	8	Max	
	Pass	Pass	2998.5	7.89	5	
<b>Test Result</b>	OK	OK	OK	OK	OK	OK

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Threaded Rod M10 Material Certificate

MATERIAL CERTIFICATE						
CUSTOMER : CSS		PRODUCT : THREADED ROD M10 X 3000 ZP			DATE : 22/10/2008	
Chemical Test Report	Chemical Composition (%)					
	ELEMENTS	Carbon	Silicon	Manganese	Phosphorus	Sulphur
		C x 100	Si x 100	M x 100	P x 100	S x 100
Standard		Max			Max	Max
		0.55			0.05	0.06
Actual Data		0.19	0.18	0.51	0.023	0.018
Physical Property Test Report	Physical Property Composition					
	Tensile Strength	Hardness	Elongation	Yield Strength		
	N/mm2	HRB	% min	N/mm2 min		
Standard	420	70 - 100	11	340		
Actual Data	528	89	16	420		
Samples Tested = 5 pieces						
Dimension Test	Go Gauge	Not go gauge	Length	Out Diameter	Camber	Surface
Standard	6g	6g	3000	10	Max	
	Pass	Pass	2998.9	9.86	5	
Test Result	OK	OK	OK	OK	OK	OK