



Section 7

Fastenings

Bolt Engineers

Please note, all codes are for galvanised.

When ordering, please replace the XX in the code with the diameter required (e.g. 06, 08, 10, 12, 14, 16, 20, 24).

(Class 4.6) Hex Bolts & Nuts to AS:1110, AS1112									
CODE	LENGTH	GALVANISED							
		M6	M8	M10	M12	M14	M16	M20	M24
BEXX020G	20	.	.	.					
BEXX025G	25	.	.	.	.
BEXX030G	30	.	.	.	.		.
BEXX035G	35	.	.	.	.		.	.
BEXX040G	40	.	.	.	.		.	.
BEXX045G	45		.	.	.		.	.
BEXX050G	50	.	.	.	.		.	.	.
BEXX055G	55	.	.	.	.		.	.
BEXX060G	60	.	.	.	.	.	.	.
BEXX065G	65	.	.	.	.	.	.	.	.
BEXX070G	70	.	.	.	.	.	.	.
BEXX075G	75			.	.	.	.	.
BEXX080G	80	.	.	.	.	.	.	.
BEXX090G	90	.	.	.	.	.	.	.	.
BEXX100G	100	.	.	.	.	.	.	.	.
BEXX110G	110			.	.	.	.	.	.
BEXX120G	120			.	.	.	.	.	.
BEXX130G	130			.	.	.	.		.
BEXX140G	140			.	.	.	.	.
BEXX150G	150			.	.	.	.	.	.
BEXX160G	160			.	.		.	.
BEXX170G	170								
BEXX180G	180			.	.		.	.
BEXX200G	200			.	.		.	.
BEXX220G	220						.		
BEXX240G	240				.		.	.	
BEXX260G	260				.		.	.	
BEXX280G	280				.		.	.	
BEXX300G	300				.		.		

* For other sizes or lengths, please contact our sales team.



Bolt High Tensile

Please note, all codes are for zinc plated.

When ordering, please replace the XX in the code with the diameter required (e.g. 06, 08, 10, 12, 14, 16, 20, 24).

Hi Tensile (Class 8.8) Hex Bolts & Nuts to AS:1110, AS1112									
CODE	LENGTH	ZINC PLATED							
		M6	M8	M10	M12	M14	M16	M20	M24
BHXX012Z	12	•							
BHXX016Z	16	•	•						
BHXX020Z	20	•	•	•	•				
BHXX025Z	25	•	•	•	•				
BHXX030Z	30	•	•	•	•		•		
BHXX035Z	35	•	•	•	•		•		
BHXX040Z	40	•	•	•	•	•	•		
BHXX045Z	45		•	•	•		•		
BHXX050Z	50	•	•	•	•	•	•	•	
BHXX055Z	55	•	•	•			•		
BHXX060Z	60		•	•	•	•	•	•	
BHXX065Z	65		•	•	•		•	•	
BHXX070Z	70		•	•	•	•	•		
BHXX075Z	75			•	•		•	•	
BHXX080Z	80		•		•	•	•		
BHXX090Z	90			•	•	•	•	•	•
BHXX100Z	100			•	•		•	•	•
BHXX110Z	110			•	•		•		
BHXX120Z	120				•		•	•	•
BHXX130Z	130				•		•		
BHXX140Z	140			•	•		•	•	•
BHXX150Z	150			•	•		•		•
BHXX160Z	160						•	•	
BHXX170Z	170								
BHXX180Z	180							•	
BHXX200Z	200							•	•
BHXX220Z	220								
BHXX240Z	240								
BHXX260Z	260								
BHXX280Z	280								
BHXX300Z	300								

* For other sizes or lengths, please contact our sales team.



Purlin Bolts		
CODE	SIZE	FINISH
		ZINC 4.6
BP12030Z	12 x 30	•
BP16035Z	16 x 35	•

Structural Assemblies

Please note, all codes are for galvanised.

When ordering, please replace the XX in the code with the diameter required (e.g. 06, 08, 10, 12, 14, 16, 20, 24).

Structural Assemblies to AS:1252									
CODE	LENGTH	GALVANISED							
		M6	M8	M10	M12	M14	M16	M20	M24
BS16040G	40	.							
BSXX045G	45	.	.						
BSXX050G	50	.	.	.	.
BSXX055G	55	.	.	.	.
BSXX060G	60	.	.	.	.		.
BSXX065G	65	.	.	.	.		.
BSXX070G	70	.	.	.	.	.	.
BSXX075G	75		.	.	.		.
BSXX080G	80	.	.	.		.	.	.
BSXX085G	85	.	.	.			.
BSXX090G	90		.	.	.	.	.	.
BSXX100G	100		.	.	.		.	.
BSXX110G	110		.	.	.	.	.
BSXX120G	120			.	.		.	.
BSXX130G	130		.		.	.	.
BSXX140G	140			.	.	.	.	.	.
BSXX150G	150			.	.		.	.	.
BSXX160G	160			.	.		.		
BSXX180G	180				.		.	.	.
BSXX200G	200				.		.		
BSXX220G	220			.	.		.	.	.
BSXX240G	240			.	.		.		.
BSXX250G	250						.	.	
BSXX260G	260								
BSXX280G	280							.	
BSXX300G	300							.	.
BSXX325G	325								
BSXX350G	350								
BSXX375G	375								
BSXX400G	400								
BSXX440G	440								

* For other sizes or lengths, please contact our sales team.

Engineer Nuts and Washers

Please note, all codes are for galvanised.

Engineer Nut Class 4.6	
GALVANISED	
CODE	SIZE
NE08	M08
NE10	M10
NE12	M12
NE16	M16
NE20	M20
NE24	M24



Heavy Round Washer Class 4.6	
GALVANISED	
CODE	SIZE
WFR08	M08
WFR10	M10
WFR12	M12
WFR16	M16
WFR20	M20
WFR24	M24
WFR30	M30



Structural Nuts and Washers

Please note, all codes are for galvanised.

Structural Nut Class 8	
GALVANISED	
CODE	SIZE
NS12G	M12
NS16G	M16
NS20G	M20
NS24G	M24
NS30G	M30
NS36G	M36



Structural Washer Class 8	
GALVANISED	
CODE	SIZE
WS12G	M12
WS16G	M16
WS20G	M20
WS24G	M24
WS30G	M30
WS36G	M36



Heavy Square Washer Class 4.6

Please note, all codes are for galvanised.

When ordering, please replace the XX in the code with the diameter required (e.g. 08, 10, 12, 16, 20).

Heavy Galv Square Washer Class 4.6						
GALVANISED						
CODE	DIA	M8	M10	M12	M16	M20
WFSXX403G	M6	.	.	.	.
WFSXX503G	M8		.	.	.	.



Threaded Rod Connector DIN975

Hi Tensile Zinc Yellow 8.8		
CODE	DIAMETER	ZINC
TRC06Z	M6	•
TRC08Z	M8	•
TRC10Z	M10	•
TRC12Z	M12	•
TRC16Z	M16	•



Threaded Rod DIN975

When ordering, please replace the X with the length of the rod.

Mild Steel Zinc 4.6				
CODE	DIAMETER	LENGTH		
		1.0	2.0	3.0
TR08XZ	M08	•		
TR10XZ	M10	•	•	•
TR12XZ	M12	•	•	•
TR16XZ	M16	•		
TR20XZ	M20	•		
TR24XZ	M24	•		

Mild Steel Galvanised 4.6			
CODE	DIAMETER	LENGTH	
		1.0	2.0
TR08XG	M08	•	
TR10XG	M10	•	•
TR12XG	M12	•	•
TR16XG	M16	•	
TR20XG	M20	•	
TR24XG	M24	•	

Hi Tensile Zinc Yellow 8.8		
CODE	DIAMETER	1.0
TRHT16Z	M16	•
TRHT20Z	M20	•
TRHT24Z	M24	•
TRHT30Z	M30	•

Hi Tensile Galvanised 8.8		
CODE	DIAMETER	1.0
TRHT12G	M12	•
TRHT16G	M16	•
TRHT20G	M20	•
TRHT24G	M24	•
TRHT30G	M30	•



Stud Bolt Assemblies

Bolting Requirement for Raised Face Flanges. Sizes DN15 to 600 conforming to ANSI B16.5 and DN 750 & 900 to BS 3293.

When ordering, please replace the XX in the code with the CODE number and replace the YYY with the length required.

For alternative lengths, please consult with us.

Please note all codes are for gold passivated. If black is required, please specify the code without GP on the end.

(Class 4.6) Hex Bolts & Nuts to AS:1110, AS1112										
CODE	NOMINAL FLANGE SIZE		PN20 (CLASS 150)				PN50 (CLASS 300)			
	DIA	PIPE SIZE	NUMBER OF STUD BOLTS	DIAMETER		LENGTH	NUMBER OF STUD BOLTS	DIAMETER		LENGTH
	MM	INCHES		CODE (XX)	INCHES	MM (YYY)		CODE(XX)	INCHES	MM (YYY)
STXXYYYGP	15	1/2	4	12	1/2	060	4	12	1/2	065
STXXYYYGP	20	3/4	4	12	1/2	065	4	16	5/8	075
STXXYYYGP	25	1	4	12	1/2	065	4	16	5/8	080
STXXYYYGP	32	1.1/4	4	12	1/2	070	4	16	5/8	080
STXXYYYGP	40	1.1/2	4	12	1/2	070	4	20	3/4	090
STXXYYYGP	50	2	4	16	5/8	080	8	16	5/8	090
STXXYYYGP	65	2.1/2	4	16	5/8	090	8	20	3/4	100
STXXYYYGP	80	3	4	16	5/8	090	8	20	3/4	110
STXXYYYGP	90	3.1/2	8	16	5/8	090	8	20	3/4	110
STXXYYYGP	100	4	8	16	5/8	090	8	20	3/4	110
STXXYYYGP	125	5	8	20	3/4	090	8	20	3/4	120
STXXYYYGP	150	6	8	20	3/4	100	12	20	3/4	125
STXXYYYGP	200	8	8	22	7/8	110	12	22	7/8	140
STXXYYYGP	250	10	12	22	7/8	115	16	24	1	155
STXXYYYGP	300	12	12	22	7/8	120	16	30	1.1/8	170
STXXYYYGP	350	14	12	24	1	130	20	30	1.1/8	175
STXXYYYGP	400	16	16	24	1	135	20	33	1.1/4	190
STXXYYYGP	450	18	16	30	1.1/8	150	24	33	1.1/4	195
STXXYYYGP	500	20	20	30	1.1/8	160	24	33	1.1/4	205
STXXYYYGP	600	24	20	33	1.1/4	175	24	40	1.1/2	230
STXXYYYGP	750	30	28	33	1.1/4	190	-	-	-	-
STXXYYYGP	900	36	32	40	1.1/2	215	32	50	2	325

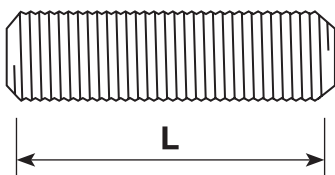
Note

1. Raised Face height of 2mm for PN20 & 50 and 7mm for PN100 and above is included in bolt length.
2. Studbolt lengths are exclusive of point lengths (length of full thread).
3. Bolt lengths are rounded to the nearest 5mm.

Bolt Diameters are given in inches.

Stud Bolt Lengths (L) are given in millimetres. Stud Bolt lengths do not include the height of points.

Heavy Hex Bolt Lengths (L) are given in millimetres and include the height of point.



* For other sizes or lengths, please contact our sales team.

Stud Bolt Assemblies

Bolting Requirement for Raised Face Flanges. Sizes DN15 to 600 conforming to ANSI B16.5 and DN 750 & 900 to BS 3293.

When ordering, please replace the XX in the code with the CODE number and replace the YYY with the length required.

For alternative lengths, please consult with us.

Please note all codes are for gold passivated. If black is required, please specify the code without GP on the end.

(Class 4.6) Hex Bolts & Nuts to AS:1110, AS1112										
CODE	NOMINAL FLANGE SIZE		PN100 (CLASS 600)				PN150 (CLASS 900)			
	DIA	PIPE SIZE	NUMBER OF STUD BOLTS	DIA		LENGTH	NUMBER OF STUD BOLTS	DIA		LENGTH
	MM	INCHES		CODE (XX)	INCHES	MM (YYY)		CODE(XX)	INCHES	MM (YYY)
STXXYYY	15	1/2	4	12	1/2	080	4	20	3/4	105
STXXYYY	20	3/4	4	16	5/8	090	4	20	3/4	115
STXXYYY	25	1	4	16	5/8	090	4	22	7/8	125
STXXYYY	32	1.1/4	4	16	5/8	100	4	22	7/8	125
STXXYYY	40	1.1/2	4	20	3/4	105	4	24	1	140
STXXYYY	50	2	8	16	5/8	105	8	22	7/8	145
STXXYYY	65	2.1/2	8	20	3/4	120	8	24	1	160
STXXYYY	80	3	8	20	3/4	125	8	22	7/8	145
STXXYYY	90	3.1/2	8	22	7/8	140	-	-	-	-
STXXYYY	100	4	8	22	7/8	145	8	30	1.1/8	170
STXXYYY	125	5	8	24	1	165	8	33	1.1/4	190
STXXYYY	150	6	8	24	1	170	12	30	1.1/8	195
STXXYYY	200	8	8	30	1.1/8	195	12	35	1.3/8	220
STXXYYY	250	10	12	33	1.1/4	216	16	35	1.3/8	235
STXXYYY	300	12	12	33	1.1/4	220	16	35	1.3/8	255
STXXYYY	350	14	12	35	1.3/8	235	20	40	1.1/2	275
STXXYYY	400	16	16	40	1.1/2	255	-	-	-	-
STXXYYY	450	18	-	-	-	-	-	-	-	-
STXXYYY	500	20	-	-	-	-	24	50	2	345
STXXYYY	600	24	-	-	-	-	24	60	2.1/2	435
STXXYYY	750	30	28	50	2	355	-	-	-	-
STXXYYY	900	36	32	60	2.1/2	400	-	-	-	-

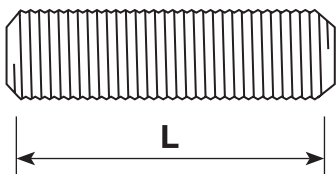
Note

1. Raised Face height of 2mm for PN20 & 50 and 7mm for PN100 and above is included in bolt length.
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