

I. Annex 1 – Bolts & Nuts

Item No.	Description	Material	Colour Coating	Nace Requirement	Bolts Dia. Metric (M) or Imperial (Inch)	Bolts Length (mm)	Bolts Length (inch)	Unit	Q'ty	Remarks
1	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn Plating + PTFE Top Coat	Detail when ordered	N/A	1"	165	N/A	Set	1	
2	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn Plating + PTFE Top Coat	Detail when ordered	MR 0175 / ISO 15156	1"	165	N/A	Set	1	
3	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	1/2"	70	N/A	Set	1	
4	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	1/2"	70	N/A	Set	1	
5	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	1/2"	75	N/A	Set	1	
6	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	1/2"	80	N/A	Set	1	
7	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	1/2"	80	N/A	Set	1	
8	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	3/4"	110	N/A	Set	1	

Item No.	Description	Material	Colour Coating	Nace Requirement	Bolts Dia. Metric (M) or Imperial (Inch)	Bolts Length (mm)	Bolts Length (inch)	Unit	Q'ty	Remarks
9	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	3/4"	115	N/A	Set	1	
10	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	3/4"	125	N/A	Set	1	
11	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	3/4"	125	N/A	Set	1	
12	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	3/4"	175	N/A	Set	1	
13	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	3/4"	175	N/A	Set	1	
14	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	5/8"	90	N/A	Set	1	
15	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	5/8"	90	N/A	Set	1	
16	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	5/8"	100	N/A	Set	1	

Item No.	Description	Material	Colour Coating	Nace Requirement	Bolts Dia. Metric (M) or Imperial (Inch)	Bolts Length (mm)	Bolts Length (inch)	Unit	Q'ty	Remarks
17	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	5/8"	100	N/A	Set	1	
18	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	5/8"	105	N/A	Set	1	
19	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	5/8"	105	N/A	Set	1	
20	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	5/8"	135	N/A	Set	1	
21	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	5/8"	135	N/A	Set	1	
22	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	5/8"	160	N/A	Set	1	
23	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	5/8"	160	N/A	Set	1	
24	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	7/8"	150	N/A	Set	1	

Item No.	Description	Material	Colour Coating	Nace Requirement	Bolts Dia. Metric (M) or Imperial (Inch)	Bolts Length (mm)	Bolts Length (inch)	Unit	Q'ty	Remarks
25	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	7/8"	150	N/A	Set	1	
26	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	7/8"	220	N/A	Set	1	
27	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	7/8"	220	N/A	Set	1	
28	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7 (Bolt)/ ASTM A194 Gr. 7 (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	1/2"	70	N/A	Set	1	
29	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7 (Bolt)/ ASTM A194 Gr. 7 (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	1/2"	70	N/A	Set	1	
30	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7 (Bolt)/ ASTM A194 Gr. 7 (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	1/2"	75	N/A	Set	1	
31	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7 (Bolt)/ ASTM A194 Gr. 7 (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	1/2"	80	N/A	Set	1	
32	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7 (Bolt)/ ASTM A194 Gr. 7 (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	1/2"	80	N/A	Set	1	

Item No.	Description	Material	Colour Coating	Nace Requirement	Bolts Dia. Metric (M) or Imperial (Inch)	Bolts Length (mm)	Bolts Length (inch)	Unit	Q'ty	Remarks
33	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7 (Bolt)/ ASTM A194 Gr. 7 (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	3/4"	115	N/A	Set	1	
34	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7 (Bolt)/ ASTM A194 Gr. 7 (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	3/4"	120	N/A	Set	1	
35	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7 (Bolt)/ ASTM A194 Gr. 7 (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	3/4"	120	N/A	Set	1	
36	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7 (Bolt)/ ASTM A194 Gr. 7 (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	3/4"	185	N/A	Set	1	
37	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7 (Bolt)/ ASTM A194 Gr. 7 (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	3/4"	185	N/A	Set	1	
38	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7 (Bolt)/ ASTM A194 Gr. 7 (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	3/4"	265	N/A	Set	1	
39	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7 (Bolt)/ ASTM A194 Gr. 7 (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	5/8"	90	N/A	Set	1	
40	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7 (Bolt)/ ASTM A194 Gr. 7 (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	5/8"	90	N/A	Set	1	

Item No.	Description	Material	Colour Coating	Nace Requirement	Bolts Dia. Metric (M) or Imperial (Inch)	Bolts Length (mm)	Bolts Length (inch)	Unit	Q'ty	Remarks
41	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7 (Bolt)/ ASTM A194 Gr. 7 (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	5/8"	110	N/A	Set	1	
42	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7 (Bolt)/ ASTM A194 Gr. 7 (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	5/8"	120	N/A	Set	1	
43	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7 (Bolt)/ ASTM A194 Gr. 7 (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	5/8"	150	N/A	Set	1	
44	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7 (Bolt)/ ASTM A194 Gr. 7 (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	5/8"	175	N/A	Set	1	
45	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7 (Bolt)/ ASTM A194 Gr. 7 (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	7/8"	150	N/A	Set	1	
46	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7 (Bolt)/ ASTM A194 Gr. 7 (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	7/8"	220	N/A	Set	1	
47	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	1"	230	N/A	Set	1	
48	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	1"	250	N/A	Set	1	

Item No.	Description	Material	Colour Coating	Nace Requirement	Bolts Dia. Metric (M) or Imperial (Inch)	Bolts Length (mm)	Bolts Length (inch)	Unit	Q'ty	Remarks
49	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	1"	255	N/A	Set	1	
50	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	3/4"	115	N/A	Set	1	
51	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	3/4"	125	N/A	Set	1	
52	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	3/4"	125	N/A	Set	1	
53	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	3/4"	130	N/A	Set	1	
54	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	5/8"	90	N/A	Set	1	
55	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	5/8"	90	N/A	Set	1	
56	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	5/8"	100	N/A	Set	1	

Item No.	Description	Material	Colour Coating	Nace Requirement	Bolts Dia. Metric (M) or Imperial (Inch)	Bolts Length (mm)	Bolts Length (inch)	Unit	Q'ty	Remarks
57	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	5/8"	110	N/A	Set	1	
58	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	5/8"	115	N/A	Set	1	
59	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	5/8"	120	N/A	Set	1	
60	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	5/8"	125	N/A	Set	1	
61	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	7/8"	130	N/A	Set	1	
62	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	7/8"	130	N/A	Set	1	
63	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	7/8"	145	N/A	Set	1	
64	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	7/8"	145	N/A	Set	1	

Item No.	Description	Material	Colour Coating	Nace Requirement	Bolts Dia. Metric (M) or Imperial (Inch)	Bolts Length (mm)	Bolts Length (inch)	Unit	Q'ty	Remarks
65	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	N/A	7/8"	150	N/A	Set	1	
66	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	7/8"	150	N/A	Set	1	
67	Alloy Steel Stud Bolt c/w 2 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	7/8"	175	N/A	Set	1	
68	Alloy Steel Stud Bolt c/w 3 Heavy Hex Nuts	ASTM A320 L7 (Bolt)/ ASTM A194 Gr. 7 (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	1.1/4"	265	N/A	Set	1	
69	Alloy Steel Stud Bolt c/w 3 Heavy Hex Nuts	ASTM A320 L7 (Bolt)/ ASTM A194 Gr. 7 (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	1.1/8"	180	N/A	Set	1	
70	Alloy Steel Stud Bolt c/w 3 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	1.1/4"	200	N/A	Set	1	
71	Alloy Steel Stud Bolt c/w 3 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	1.1/4"	235	N/A	Set	1	
72	Alloy Steel Stud Bolt c/w 3 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	1.1/8"	180	N/A	Set	1	

Item No.	Description	Material	Colour Coating	Nace Requirement	Bolts Dia. Metric (M) or Imperial (Inch)	Bolts Length (mm)	Bolts Length (inch)	Unit	Q'ty	Remarks
73	Alloy Steel Stud Bolt c/w 3 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	1.1/8"	210	N/A	Set	1	
74	Alloy Steel Stud Bolt c/w 3 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	1.3/8"	260	N/A	Set	1	
75	Alloy Steel Stud Bolt c/w 3 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	1.3/8"	325	N/A	Set	1	
76	Alloy Steel Stud Bolt c/w 3 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	1.7/8"	390	N/A	Set	1	
77	Alloy Steel Stud Bolt c/w 3 Heavy Hex Nuts	ASTM A320 L7M (Bolt)/ ASTM A194 Gr. 7ML (Nuts), Zn PLATING + PTFE TOP COAT	Detail when ordered	MR 0175 / ISO 15156	2.1/4"	470	N/A	Set	1	
78	"I" ROD, HALF ROUND OD 1 1/2"	I ROD HT/ PEEK UNFILED, TENSILE STRENGTH MIN 110 Mpa, ELONGATION MIN 20%	N/A	N/A	N/A	N/A	N/A	Met	1	
79	"I" ROD, HALF ROUND OD 1"	I ROD HT/ PEEK UNFILED, TENSILE STRENGTH MIN 110 Mpa, ELONGATION MIN 20%	N/A	N/A	N/A	N/A	N/A	Met	1	
80	"I" ROD, HALF ROUND OD 3/4"	I ROD HT/ PEEK UNFILED, TENSILE STRENGTH MIN 110 Mpa, ELONGATION MIN 20%	N/A	N/A	N/A	N/A	N/A	Met	1	

Item No.	Description	Material	Colour Coating	Nace Requirement	Bolts Dia. Metric (M) or Imperial (Inch)	Bolts Length (mm)	Bolts Length (inch)	Unit	Q'ty	Remarks
81	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	Mild Carbon steel, Zinc plate/ HDG	N/A	N/A	M 10	40	N/A	Set	1	
82	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	Mild Carbon steel, Zinc plate/ HDG	N/A	N/A	M 10	60	N/A	Set	1	
83	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	Mild Carbon steel, Zinc plate/ HDG	N/A	N/A	M 12	50	N/A	Set	1	
84	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	Mild Carbon steel, Zinc plate/ HDG	N/A	N/A	M 12	80	N/A	Set	1	
85	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	Mild Carbon steel, Zinc plate/ HDG	N/A	N/A	M 14	50	N/A	Set	1	
86	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	Mild Carbon steel, Zinc plate/ HDG	N/A	N/A	M 14	80	N/A	Set	1	
87	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	Mild Carbon steel, Zinc plate/ HDG	N/A	N/A	M 16	100	N/A	Set	1	
88	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	Mild Carbon steel, Zinc plate/ HDG	N/A	N/A	M 16	120	N/A	Set	1	
89	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	Mild Carbon steel, Zinc plate/ HDG	N/A	N/A	M 4	20	N/A	Set	1	
90	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	Mild Carbon steel, Zinc plate/ HDG	N/A	N/A	M 4	30	N/A	Set	1	
91	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	Mild Carbon steel, Zinc plate/ HDG	N/A	N/A	M 5	20	N/A	Set	1	
92	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	Mild Carbon steel, Zinc plate/ HDG	N/A	N/A	M 5	40	N/A	Set	1	
93	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	Mild Carbon steel, Zinc plate/ HDG	N/A	N/A	M 6	20	N/A	Set	1	
94	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	Mild Carbon steel, Zinc plate/ HDG	N/A	N/A	M 6	40	N/A	Set	1	
95	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	Mild Carbon steel, Zinc plate/ HDG	N/A	N/A	M 8	30	N/A	Set	1	
96	Hex Head Bolt, Metric, C/w	Mild Carbon steel, Zinc plate/	N/A	N/A	M 8	50	N/A	Set	1	

Item No.	Description	Material	Colour Coating	Nace Requirement	Bolts Dia. Metric (M) or Imperial (Inch)	Bolts Length (mm)	Bolts Length (inch)	Unit	Q'ty	Remarks
	01 Nut and 02 Flat Washers	HDG								
97	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	SS316	N/A	N/A	M 10	40	N/A	Set	1	
98	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	SS316	N/A	N/A	M 10	60	N/A	Set	1	
99	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	SS316	N/A	N/A	M 12	50	N/A	Set	1	
100	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	SS316	N/A	N/A	M 12	80	N/A	Set	1	
101	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	SS316	N/A	N/A	M 14	50	N/A	Set	1	
102	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	SS316	N/A	N/A	M 14	80	N/A	Set	1	
103	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	SS316	N/A	N/A	M 16	100	N/A	Set	1	
104	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	SS316	N/A	N/A	M 16	120	N/A	Set	1	
105	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	SS316	N/A	N/A	M 4	20	N/A	Set	1	
106	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	SS316	N/A	N/A	M 4	30	N/A	Set	1	
107	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	SS316	N/A	N/A	M 5	20	N/A	Set	1	
108	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	SS316	N/A	N/A	M 5	40	N/A	Set	1	
109	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	SS316	N/A	N/A	M 6	20	N/A	Set	1	
110	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	SS316	N/A	N/A	M 6	40	N/A	Set	1	
111	Hex Head Bolt, Metric, C/w 01 Nut and 02 Flat Washers	SS316	N/A	N/A	M 8	30	N/A	Set	1	
112	Hex Head Bolt, Metric, C/w	SS316	N/A	N/A	M 8	50	N/A	Set	1	

Item No.	Description	Material	Colour Coating	Nace Requirement	Bolts Dia. Metric (M) or Imperial (Inch)	Bolts Length (mm)	Bolts Length (inch)	Unit	Q'ty	Remarks
	01 Nut and 02 Flat Washers									
113	Hex Head Bolt, UNC c/w Heavy Hex Nut	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING,	Detail when ordered	N/A	1/4"	N/A	2"	Set	1	
114	Hex Head Bolt, UNC c/w Heavy Hex Nut	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING.	Detail when ordered	N/A	1/2"	N/A	2"	Set	1	
115	Hex Head Bolt, UNC c/w Heavy Hex Nut	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING.	Detail when ordered	N/A	1/2"	N/A	1"	Set	1	
116	Hex Head Bolt, UNC c/w Heavy Hex Nut	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING.	Detail when ordered	N/A	1/4"	N/A	1"	Set	1	
117	Hex Head Bolt, UNC c/w Heavy Hex Nut	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING.	Detail when ordered	N/A	3/4"	N/A	2"	Set	1	
118	Hex Head Bolt, UNC c/w Heavy Hex Nut	ASTM A193 B7 (Bolt)/ ASTM A194 Gr. 2H (Nuts), Zn PLATING.	Detail when ordered	N/A	3/4"	N/A	1"	Set	1	
119	Insulation U bolt c/w Insulation Rubber Sleeve + 04 Nuts and 04 Washers	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	N/A	N/A	3/4"	Set	1	For piping 3/4"
120	Insulation U bolt c/w Insulation Rubber Sleeve + 04 Nuts and 04 Washers	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	N/A	N/A	1/2"	Set	1	For piping 1/2"
121	Insulation U bolt c/w Insulation Rubber Sleeve + 04 Nuts and 04 Washers	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	N/A	N/A	1"	Set	1	For piping 1"
122	Insulation U bolt c/w Insulation Rubber Sleeve + 04 Nuts and 04 Washers	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	N/A	N/A	2"	Set	1	For piping 2"

Item No.	Description	Material	Colour Coating	Nace Requirement	Bolts Dia. Metric (M) or Imperial (Inch)	Bolts Length (mm)	Bolts Length (inch)	Unit	Q'ty	Remarks
123	Insulation U bolt c/w Insulation Rubber Sleeve + 04 Nuts and 04 Washers	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	N/A	N/A	3"	Set	1	For piping 3"
124	Insulation U bolt c/w Insulation Rubber Sleeve + 04 Nuts and 04 Washers	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	N/A	N/A	4"	Set	1	For piping 4"
125	Insulation U bolt c/w Insulation Rubber Sleeve + 04 Nuts and 04 Washers	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	N/A	N/A	6"	Set	1	For piping 6"
126	Insulation U bolt c/w Insulation Rubber Sleeve + 04 Nuts and 04 Washers	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	N/A	N/A	8"	Set	1	For piping 8"
127	Insulation U bolt c/w Insulation Rubber Sleeve + 04 Nuts and 04 Washers	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	N/A	N/A	10"	Set	1	For piping 10"
128	Insulation U bolt c/w Insulation Rubber Sleeve + 04 Nuts and 04 Washers	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	N/A	N/A	12"	Set	1	For piping 12"
129	Insulation U bolt c/w Insulation Rubber Sleeve + 04 Nuts and 04 Washers	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	N/A	N/A	14"	Set	1	For piping 14"
130	Insulation U bolt c/w Insulation Rubber Sleeve + 04 Nuts and 04 Washers	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	N/A	N/A	16"	Set	1	For piping 16"
131	Self Tapping/ Drilling Screw Type 3, size n 10, 100 PIECES/ BAG			N/A	n 10	N/A		Bag	1	
132	Self Tapping/ Drilling Screw Type 3, size n 12, 100 PIECES/ BAG			N/A	n 12	N/A		Bag	1	
133	Self Tapping/ Drilling Screw Type 3, size n 8, 100 PIECES/ BAG			N/A	n 8	N/A		Bag	1	

Item No.	Description	Material	Colour Coating	Nace Requirement	Bolts Dia. Metric (M) or Imperial (Inch)	Bolts Length (mm)	Bolts Length (inch)	Unit	Q'ty	Remarks
134	Socket Head Cap Screw	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	1/2"	N/A	1"	Set	1	
135	Socket Head Cap Screw	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	1/4"	N/A	1/2"	Set	1	
136	Socket Head Cap Screw	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	3/8"	N/A	3/4"	Set	1	
137	Socket Head Cap Screw	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	5/16"	N/A	1/2"	Set	1	
138	Socket Head Cap Screw	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	7/16"	N/A	3/4"	Set	1	
139	Socket Head Cap Screw M5 X 0.8 (thread)	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	M 5	20	N/A	Set	1	
140	Socket Head Cap Screw M6 X 1 (thread)	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	M 6	20	N/A	Set	1	
141	Standard U Bolt c/w 04 Nuts and 04 Washers	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	N/A	N/A	3/4"	Set	1	For piping 3/4"
142	Standard U Bolt c/w 04 Nuts and 04 Washers	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	N/A	N/A	1/2"	Set	1	For piping 1/2"
143	Standard U Bolt c/w 04 Nuts and 04 Washers	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	N/A	N/A	1"	Set	1	For piping 1"
144	Standard U Bolt c/w 04 Nuts and 04 Washers	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	N/A	N/A	2"	Set	1	For piping 2"
145	Standard U Bolt c/w 04 Nuts and 04 Washers	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	N/A	N/A	3"	Set	1	For piping 3"
146	Standard U Bolt c/w 04 Nuts and 04 Washers	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	N/A	N/A	4"	Set	1	For piping 4"
147	Standard U Bolt c/w 04 Nuts and 04 Washers	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	N/A	N/A	6"	Set	1	For piping 6"
148	Standard U Bolt c/w 04 Nuts and 04 Washers	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	N/A	N/A	8"	Set	1	For piping 8"

Item No.	Description	Material	Colour Coating	Nace Requirement	Bolts Dia. Metric (M) or Imperial (Inch)	Bolts Length (mm)	Bolts Length (inch)	Unit	Q'ty	Remarks
149	Standard U Bolt c/w 04 Nuts and 04 Washers	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	N/A	N/A	10"	Set	1	For piping 10"
150	Standard U Bolt c/w 04 Nuts and 04 Washers	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	N/A	N/A	12"	Set	1	For piping 12"
151	Standard U Bolt c/w 04 Nuts and 04 Washers	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	N/A	N/A	14"	Set	1	For piping 14"
152	Standard U Bolt c/w 04 Nuts and 04 Washers	Mild Carbon steel, Zinc plate/ HDG+ PTFE TOP COAT	Detail when ordered	N/A	N/A	N/A	16"	Set	1	For piping 16"