



SQUARE BOLT

SQUARE NUT

NOTES:

- ALL DIMENSIONS ARE IN INCHES.
- STANDARD BOLT AND NUT DIMENSIONS OBTAINED FROM CANADIAN STANDARDS ASSOCIATION.
- ✓ - INDICATES A "SPECIAL" NON-STANDARD DIMENSION.
- BOLTS AND NUTS ARE TO BE MANUFACTURED AS DIMENSIONED AND IN ACCORDANCE WITH THE CORRESPONDING SPECIFICATION:

SPEC. KEY NO.	SPEC. NO.	DATED	DESCRIPTION
1	11-1C	FEB. '83-	HEAT TREATED CARBON STEEL BOLTS AND CARBON STEEL NUTS
2	11-2B	FEB. '83-	NON HEAT TREATED BOLTS
3	12-1C	FEB. '83-	HEAT TREATED CARBON STEEL TRACK BOLTS AND CARBON STEEL NUTS.

ITEM NO.	NOMINAL SIZE	BODY DIAMETER		WIDTH ACROSS FLATS		WIDTH ACROSS CORNERS		HEIGHT OF HEAD UNFINISHED		LENGTH OF BOLT		HOLE POSITION		LENGTH OF THREAD	THDS. INCH	HOLE DIA.	WIDTH ACROSS FLATS			WIDTH ACROSS CORNERS		THICKNESS OF NUT			SPEC. KEY NO.	
		MAX.	MIN.	NOM.	MAX.	MIN.	MAX.	MIN.	NOM.	MAX.	MIN.	MAX.	MIN.				MAX.	MIN.	MAX.	MIN.	NOM.	MAX.	MIN.	NOM.		MAX.
1																										
2	3/4	0.768	0.737	1-1/8	1.125	1.088	1.591	1.494	1/2	0.524	0.476	2-3/4 ±1/8	2.300	2.250	1-3/4 +1/4	10	0.199	1-1/4	1.250	1.212	1.768	1.655	3/4	0.774	0.710	1
3	3/4	0.768	0.737	1-1/8	1.125	1.088	1.591	1.494	1/2	0.524	0.476	3 ±1/8	2.675	2.625	1-3/4 +1/4	10	0.199	1-1/4	1.250	1.212	1.768	1.655	3/4	0.774	0.710	1
4	3/4	0.768	0.737	1-1/8	1.125	1.088	1.591	1.494	1/2	0.524	0.476	3-1/2 ±1/8	3.019	2.969	1-7/8 +1/4	10	0.199	1-1/4	1.250	1.212	1.768	1.655	3/4	0.774	0.710	1
5	3/4	0.768	0.737	1-1/8	1.125	1.088	1.591	1.494	1/2	0.524	0.476	4 ±1/8	3.519	3.469	1-7/8 +1/4	10	0.199	1-1/4	1.250	1.212	1.768	1.655	3/4	0.774	0.710	1
6	3/4	0.768	0.737	1-1/8	1.125	1.088	1.591	1.494	1/2	0.524	0.476	4 ±1/8	3.581	3.531	1-3/4 +1/4	10	0.199	1-1/4	1.250	1.212	1.768	1.655	3/4	0.774	0.710	1
7	3/4	0.768	0.737	1-1/8	1.125	1.088	1.591	1.494	1/2	0.524	0.476	4-1/4 ±1/8	3.894	3.844	1-3/4 +1/4	10	0.199	1-1/4	1.250	1.212	1.768	1.655	3/4	0.774	0.710	1
8	3/4	0.768	0.737	1-1/8	1.125	1.088	1.591	1.494	1/2	0.524	0.476	4-1/4 ±1/8	4.050	4.000	1-3/4 +1/4	10	0.199	1-1/4	1.250	1.212	1.768	1.655	3/4	0.774	0.710	1
9	3/4	0.768	0.737	1-1/8	1.125	1.088	1.591	1.494	1/2	0.524	0.476	4-3/4 ±1/8	4.331	4.281	1-3/4 +1/4	10	0.199	1-1/4	1.250	1.212	1.768	1.655	3/4	0.774	0.710	1
10	3/4	0.768	0.737	1-1/8	1.125	1.088	1.591	1.494	1/2	0.524	0.476	8-1/2 ±1/8	8.175	8.125	2 +1/4	10	0.199	1-1/4	1.250	1.212	1.768	1.655	3/4	0.774	0.710	1
11	3/4	0.768	0.737	1-1/8	1.125	1.088	1.591	1.494	3/8 ✓	0.395	0.355	4 ±1/8	3.519	3.469	1-7/8 +1/4	10	0.199	1-1/4	1.250	1.212	1.768	1.655	3/4	0.774	0.710	1
12	3/4	0.768	0.737	1-1/8	1.125	1.088	1.591	1.494	1/2	0.524	0.476	6 ±1/8	5.519	5.469	3-3/4 +1/4	10	0.199	1-1/4	1.250	1.212	1.768	1.655	3/4	0.774	0.710	1
13																										
14																										
15																										
16	1	1.022	0.986	1-1/2	1.500	1.450	2.121	1.991	3/8 ✓	0.395	0.355	3-1/2 ±1/8	3.156	3.094	2-1/4 +5/16	8	1/4	1-5/8	1.625	1.575	2.298	2.162	1	1.028	0.956	1
17	1	1.022	0.986	1-1/2	1.500	1.450	2.121	1.991	21/32	0.684	0.628	3-1/2 ±1/8	3.156	3.094	2-1/4 +5/16	8	1/4	1-5/8	1.625	1.575	2.298	2.162	1	1.028	0.956	1
18																										
19	1	1.022	0.986	1-1/2	1.500	1.450	2.121	1.991	3/8 ✓	0.395	0.355	4-1/4 ±1/8	3.906	3.844	2-1/4 +5/16	8	1/4	1-5/8	1.625	1.575	2.298	2.162	1	1.028	0.956	1
20	1	1.022	0.986	1-1/2	1.500	1.450	2.121	1.991	21/32	0.684	0.628	4-1/4 ±1/8	3.906	3.844	2-1/4 +5/16	8	1/4	1-5/8	1.625	1.575	2.298	2.162	1	1.028	0.956	1
21	1	1.022	0.986	1-1/2	1.500	1.450	2.121	1.991	21/32	0.684	0.628	4-1/2 ±1/8	4.093	4.031	2-1/4 +5/16	8	1/4	1-5/8	1.625	1.575	2.298	2.162	1	1.028	0.956	1
22	1	1.022	0.986	1-1/2	1.500	1.450	2.121	1.991	21/32	0.684	0.628	5 ±1/8	4.656	4.594	2-1/4 +5/16	8	1/4	1-5/8	1.625	1.575	2.298	2.162	1	1.028	0.956	1
23	1	1.022	0.986	1-1/2	1.500	1.450	2.121	1.991	21/32	0.684	0.628	5-1/4 ±1/8	4.843	4.781	2-1/4 +5/16	8	1/4	1-5/8	1.625	1.575	2.298	2.162	1	1.028	0.956	1
24	1	1.022	0.986	1-1/2	1.500	1.450	2.121	1.991	21/32	0.684	0.628	4-3/4 ±1/8	4.419	4.357	2-1/4 +5/16	8	1/4	1-5/8	1.625	1.575	2.298	2.162	1	1.028	0.956	1
25	1	1.022	0.986	1-1/2	1.500	1.450	2.121	1.991	3/8 ✓	0.395	0.355	5-1/4 ±1/8	4.843	4.781	2-1/4 +5/16	8	1/4	1-5/8	1.625	1.575	2.298	2.162	1	1.028	0.956	1
26	1	1.022	0.986	1-1/2	1.500	1.450	2.121	1.991	21/32	0.684	0.628	5 ±1/8	4.557	4.495	2-1/4 +5/16	8	1/4	1-5/8	1.625	1.575	2.298	2.162	1	1.028	0.956	1
27	1	1.022	0.986	1-1/2	1.500	1.450	2.121	1.991	21/32	0.684	0.628	5-3/4 ±1/8	5.432	5.370	2-1/4 +5/16	8	1/4	1-5/8	1.625	1.575	2.298	2.162	1	1.028	0.956	1

NUMBER LEGEND

TRACK STANDARDS-DRAWING NUMBER.
 ITEM NUMBER (SPECIFIC BOLT SIZE REQUIRED).
 GTS-1305/16

METRIC CONVERSION: 1 inch=25.4mm, 1 foot=304.8mm

1	18/07/27	ADDED IMPERIAL TO METRIC CONVERSION NOTE		
No.	Date	Revision	By	Approved

Standard / **SQUARE BOLT / SQUARE NUT**

Drawn GWM Checked NAM Approved VP Engineering & Asset Management

Date SEPT 15/2017 Plan Number GTS-1305 Rev 1

REFERENCE: TS-1305_R9 Sheet 1 OF 1

