

ROOTES GROUP STANDARDS

GROUP NUMBERS

19104000.

19416000.

See Reference Sheets

1910(o), (OA), (OB), &

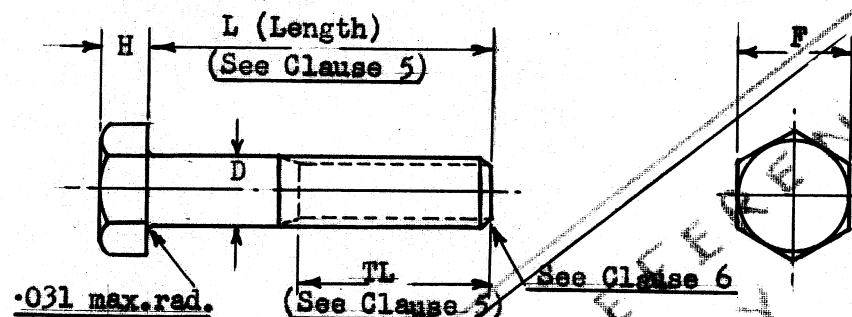
1981

(OC).

HEX. HEAD BOLTS & SCREWS

(Unified Normal Series)

Dimensions & Part Numbers for Bolts UNF. & UNC.
(See also Table 4 for washer-faced Bolts).



SERIES 19100 (UNE) & 19400 (UNC)

TABLE 2

See Clause 7.

Series No.	Nom. dia.	TPI	D		F		H		W	TL*	
			Max.	Min.	Max.	Min.	Max.	Min.		Max.	Min.
19104	1/4	28	.2500	.2465	.437	.430	.16	.15	.421	.94	.75
19404		20	.3125	.3090	.500	.493	.21	.20	.483	1.06	.875
19105	5/16	24	.3750	.3715	.562	.554	.23	.23	.545	1.19	1.00
19405		18	.4375	.4335	.625	.617	.29	.28	.605	1.31	1.125
19106	3/8	20	.5000	.4960	.750	.742	.32	.31	.730	1.44	1.25
19406		16	.5625	.5585	.812	.804	.37	.36	.792	1.56	1.375
19107	7/16	18	.6250	.6190	.937	.929	.40	.39	.918	1.69	1.50
19407		14	.7500	.7440	1.125	1.115	.48	.46	1.100	1.94	1.75
19108	1/2	16	.8750	.8670	1.312	1.300	.56	.54	1.285	2.19	2.00
19408		12	1.0000	.9920	1.500	1.488	.63	.60	1.473	2.45	2.25
19109	9/16	12									
19409		11									
19110	5/8	11									
19410		10									
19111	3/4	10									
19411		9									
19112	7/8	9									
19412		8									
19113	1	8									
19413		7									

* For Bolts exceeding 6" in length, increase TL by .25 ins.

SERIES No. The 4th & 5th figures in the Series No. give the nom. dia. in 1/16ths;

PART NUMBERS.

The complete Group Number for a bolt consists of the Series No. from Table 2, succeeded by a two-figure number which, multiplied by 1/8, gives the nom. length 'L' in inches, and a final figure symbolising the material and finish.

IMPORTANT. If the nominal length of a bolt is less than $2D + .50$ ins., a set-screw number (See LIST 1950 to 1981 ()) **MUST** be specified.

Material/Finish symbols are as follows:-

1. "R" Quality

2. " " "

3. "T" " "

4. " " "

5. Stainless Steel

Fin. 28.

" A1 - 14A.

" 28.

" A1 - 14A.

" NF.

Thus

191

04

09

1

"R" Quality, Fin. 28.

09 x 1/8 = 1.125" long

04 x 1/16 = 1/4" nom. dia

Hex. head bolt UNF thread.

BOLT

19104091.

COMPILED BY

ISSUE No. & DATE

AMENDMENT No.

145

148

149A

192

198

LIST

SEC-

1.

Aug.
1962

132

ISSUED BY ENGINEERING STANDARDS SECTION

1910.

1941