

# HARDWARE CATALOGUE

for use with  
**STANDARD  
TRIUMPH  
VEHICLES**

**STANDARD-TRIUMPH SALES LTD.**  
A MEMBER OF THE LEYLAND MOTOR CORPORATION  
SPARES DIVISION • FLETCHAMSTEAD HIGHWAY  
COVENTRY • ENGLAND

## FOREWORD

This catalogue has been compiled to assist in the identification of standard attachment details used in the manufacture of Standard-Triumph products.

Details listed herein are manufactured to the current SAE (American), B.S. (British) or Unified (International) specifications. Proprietary parts, such as Simmonds Nuts, Corbin Clips, Shakeproof Washers, etc., are supplied to the Manufacturer's normal specification.

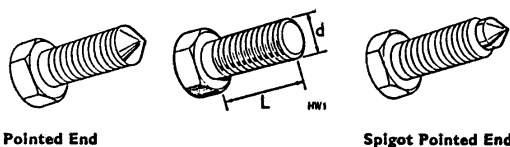
Part Numbers for Standard Parts are composed of **two Prefix letters and Four figures** except for the 'V' series which have **One Prefix letter and Four figures**, and the 'SP' series which is a **combination of figures and letters** e.g. "SP21F1".

Parts which deviate in any respect from the above specifications, i.e. in thread form, size or finish, are classed as NON-STANDARD and have Part Numbers composed of **five or six figures and no letters**. Non-Standard parts are not included in this catalogue, but are listed in the respective Vehicle Spare Parts Catalogues.

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## BOLT — HEXAGON HEAD



### ABBREVIATIONS

d = Diameter	Suffix 'P' denotes Pointed End	L = Length
NC = National Coarse Thread	BSF = British Standard Fine Thread	UNC = Unified Coarse Thread
NF = National Fine Thread	Suffix 'D' denotes Spigot Pointed End	UNF = Unified Fine Thread

Part No.	Diam. (d)	Length (L)	Part No.	Diam. (d)	Length (L)
BH0502	No. 10 N.F.	1/2"	BH0855	3/8" N.C.	1/2"
BH0503	No. 10 N.F.	3/4"	BH0856	1/2" N.C.	3/4"
BH0504	No. 10 N.F.	1"	BH0857	3/4" N.C.	1"
BH0505	No. 10 N.F.	1 1/4"	BH0858	1/2" N.C.	1 1/4"
BH0507	No. 10 N.F.	1 1/2"	BH0859	3/4" N.C.	1 1/2"
BH0509	No. 10 N.F.	1 3/4"	BH0860	1/2" N.C.	1 3/4"
BH0604	No. 12 N.F.	1 1/2"	BH0861	3/4" N.C.	1 3/4"
BH0704	1/2" N.F.	1 1/2"	BH0862	1/2" N.C.	1 3/4"
BH0705	1/2" N.F.	1 3/4"	BH0863	3/4" N.C.	1 3/4"
BH0706	1/2" N.F.	2"	BH0865	1/2" N.C.	1 3/4"
BH0707	1/2" N.F.	2 1/4"	BH0867	3/4" N.C.	2 1/4"
BH0708	1/2" N.F.	1"	BH0868	1/2" N.C.	2 1/4"
BH0709	1/2" N.F.	1 1/2"	BH0869	3/4" N.C.	2 1/4"
BH0710	1/2" N.F.	1 3/4"	BH0870	1/2" N.C.	2 1/4"
BH0711	1/2" N.F.	1 3/4"	BH0871	3/4" N.C.	2 1/4"
BH0712	1/2" N.F.	1 1/2"	BH0872	1/2" N.C.	2 3/4"
BH0720	1/2" N.F.	2 1/2"	BH0873	3/4" N.C.	2 3/4"
BH0754	1/2" N.C.	1"	BH0874	1/2" N.C.	3"
BH0755	1/2" N.C.	1 1/4"	BH0875	3/4" N.C.	3 1/4"
BH0756	1/2" N.C.	1 1/2"	BH0879	1/2" N.C.	3 1/4"
BH0757	1/2" N.C.	1 3/4"	BH0882	3/4" N.C.	4"
BH0758	1/2" N.C.	1"	BH0885	1/2" N.C.	4 1/4"
BH0760	1/2" N.C.	1 1/2"	BH0891	3/4" N.C.	5 1/4"
BH0764	1/2" N.C.	1 3/4"	BH0894	1/2" N.C.	5 1/4"
BH0769	1/2" N.C.	2 1/4"	BH0903	1/2" N.F.	1 1/2"
BH0804	3/8" N.F.	1 1/2"	BH0905	3/8" N.F.	1 3/4"
BH0805	1/2" N.F.	1 1/2"	BH0906	1/2" N.F.	2"
BH0806	3/8" N.F.	1 3/4"	BH0907	3/8" N.F.	2 1/4"
BH0807	1/2" N.F.	1 3/4"	BH0908	1/2" N.F.	1"
BH0808	3/8" N.F.	1"	BH0909	3/8" N.F.	1 1/4"
BH0809	1/2" N.F.	1 1/4"	BH0910	1/2" N.F.	1 1/4"
BH0810	3/8" N.F.	1 1/4"	BH0911	3/8" N.F.	1 3/4"
BH0811	1/2" N.F.	1 1/4"	BH0913	3/8" N.F.	1 3/4"
BH0812	3/8" N.F.	1 1/4"	BH0915	1/2" N.F.	1 3/4"
BH0812P	1/2" N.F.	1 1/4"	BH0916	3/8" N.F.	2"
BH0813	3/8" N.F.	1 1/4"	BH0917	1/2" N.F.	2 1/4"
BH0815	1/2" N.F.	1 1/4"	BH0924	3/8" N.F.	3"
BH0816	3/8" N.F.	2"	BH0925	1/2" N.F.	3 1/4"
BH0817	1/2" N.F.	2 1/4"	BH0926	3/8" N.F.	3 1/4"
BH0818	3/8" N.F.	2 1/4"	BH0929	1/2" N.F.	3 1/4"
BH0819	1/2" N.F.	2 3/4"	BH0930	3/8" N.F.	3 3/4"
BH0820	3/8" N.F.	2 3/4"	BH0937	1/2" N.F.	4 1/4"
BH0822	1/2" N.F.	2 3/4"	BH0958	3/8" N.F.	1"
BH0825	3/8" N.F.	3 1/4"	BH0959	1/2" N.C.	1 1/4"
BH0853	3/8" N.C.	1 1/2"	BH0960	1/2" N.C.	1 1/4"
BH0854	1/2" N.C.	1 1/2"	BH0964	3/8" N.C.	1 3/4"

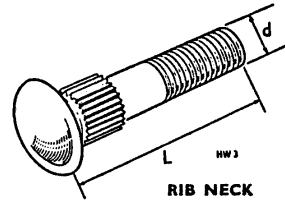
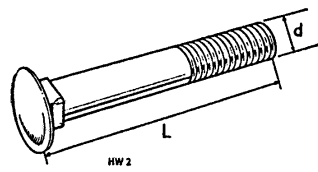
### BOLT — HEXAGON HEAD (Continued)

Part No.	Diam. (d)	Length (L)	Part No.	Diam. (d)	Length (L)
BH0967	$\frac{3}{8}$ " N.C.	2 $\frac{1}{2}$ "	HB0813	$\frac{1}{8}$ " U.N.F.	1 $\frac{1}{2}$ "
BH0968	$\frac{3}{8}$ " N.C.	2 $\frac{1}{2}$ "	HB0814	$\frac{1}{8}$ " U.N.F.	1 $\frac{1}{2}$ "
BH0971	$\frac{3}{8}$ " N.C.	2 $\frac{3}{4}$ "	HB0815	$\frac{1}{8}$ " U.N.F.	1 $\frac{3}{4}$ "
BH0972	$\frac{3}{8}$ " N.C.	2 $\frac{3}{4}$ "	HB0816	$\frac{1}{8}$ " U.N.F.	2"
BH0973	$\frac{3}{8}$ " N.C.	2 $\frac{3}{4}$ "	HB0817	$\frac{1}{8}$ " U.N.F.	2 $\frac{1}{4}$ "
BH0974	$\frac{3}{8}$ " N.C.	3"	HB0818	$\frac{1}{8}$ " U.N.F.	2 $\frac{1}{2}$ "
BH0983	$\frac{3}{8}$ " N.C.	4 $\frac{1}{2}$ "	HB0819	$\frac{1}{8}$ " U.N.F.	2 $\frac{3}{4}$ "
BH0984	$\frac{3}{8}$ " N.C.	4 $\frac{1}{2}$ "	HB0820	$\frac{1}{8}$ " U.N.F.	2 $\frac{1}{2}$ "
BH1008	$\frac{7}{16}$ " N.F.	1"	HB0821	$\frac{7}{16}$ " U.N.F.	2 $\frac{1}{4}$ "
BH1009	$\frac{7}{16}$ " N.F.	1 $\frac{1}{2}$ "	HB0822	$\frac{7}{16}$ " U.N.F.	2 $\frac{1}{2}$ "
BH1011	$\frac{7}{16}$ " N.F.	1 $\frac{3}{4}$ "	HB0823	$\frac{7}{16}$ " U.N.F.	2 $\frac{3}{4}$ "
BH1012	$\frac{7}{16}$ " N.F.	1 $\frac{1}{2}$ "	HB0824	$\frac{7}{16}$ " U.N.F.	3"
BH1014	$\frac{7}{16}$ " N.F.	1 $\frac{3}{4}$ "	HB0825	$\frac{7}{16}$ " U.N.F.	3 $\frac{1}{2}$ "
BH1016	$\frac{7}{16}$ " N.F.	2"	HB0826D	$\frac{7}{16}$ " U.N.F.	3 $\frac{1}{2}$ "
BH1017	$\frac{7}{16}$ " N.F.	2 $\frac{1}{2}$ "	HB0826P	$\frac{7}{16}$ " U.N.F.	3 $\frac{1}{2}$ "
BH1018	$\frac{7}{16}$ " N.F.	2 $\frac{1}{2}$ "	HB0827	$\frac{7}{16}$ " U.N.F.	3 $\frac{1}{2}$ "
BH1021	$\frac{7}{16}$ " N.F.	2 $\frac{3}{4}$ "	HB0828	$\frac{7}{16}$ " U.N.F.	3 $\frac{1}{2}$ "
BH1038	$\frac{7}{16}$ " N.F.	4 $\frac{1}{2}$ "	HB0829	$\frac{7}{16}$ " U.N.F.	3 $\frac{1}{2}$ "
BH1059	$\frac{7}{16}$ " N.C.	1 $\frac{1}{2}$ "	HB0830	$\frac{7}{16}$ " U.N.F.	3 $\frac{1}{2}$ "
BH1060	$\frac{7}{16}$ " N.C.	1 $\frac{1}{2}$ "	HB0831	$\frac{7}{16}$ " U.N.F.	3 $\frac{1}{2}$ "
BH1061	$\frac{7}{16}$ " N.C.	1 $\frac{3}{4}$ "	HB0832D	$\frac{7}{16}$ " U.N.F.	4"
BH1067	$\frac{7}{16}$ " N.C.	2 $\frac{1}{2}$ "	HB0832P	$\frac{7}{16}$ " U.N.F.	4"
BH1108	$\frac{1}{2}$ " N.F.	1"	HB0834P	$\frac{1}{2}$ " U.N.F.	4 $\frac{1}{2}$ "
BH1260	$\frac{1}{2}$ " N.C.	1 $\frac{1}{2}$ "	HB0842	$\frac{1}{2}$ " U.N.F.	5 $\frac{1}{2}$ "
BH1310	$\frac{3}{8}$ " N.F.	1 $\frac{1}{2}$ "	HB0856	$\frac{3}{8}$ " U.N.C.	3"
BH1311	$\frac{3}{8}$ " N.F.	1 $\frac{3}{4}$ "	HB0858	$\frac{3}{8}$ " U.N.C.	1"
BH1322	$\frac{3}{8}$ " N.F.	2 $\frac{1}{2}$ "	HB0859	$\frac{3}{8}$ " U.N.C.	1 $\frac{1}{2}$ "
HB0506	No. 10 U.N.F.	$\frac{1}{2}$ "	HB0860	$\frac{3}{8}$ " U.N.C.	1 $\frac{1}{2}$ "
HB0508	No. 10 U.N.F.	1"	HB0861	$\frac{3}{8}$ " U.N.C.	1 $\frac{3}{4}$ "
HB0510	No. 10 U.N.F.	1 $\frac{1}{2}$ "	HB0862	$\frac{3}{8}$ " U.N.C.	1 $\frac{1}{2}$ "
HB0512	No. 10 U.N.F.	1 $\frac{1}{2}$ "	HB0863	$\frac{3}{8}$ " U.N.C.	1 $\frac{1}{2}$ "
HB0706	$\frac{1}{4}$ " U.N.F.	$\frac{3}{4}$ "	HB0864	$\frac{3}{8}$ " U.N.C.	1 $\frac{3}{4}$ "
HB0707P	$\frac{1}{4}$ " U.N.F.	$\frac{3}{4}$ "	HB0865	$\frac{3}{8}$ " U.N.C.	1 $\frac{3}{4}$ "
HB0708	$\frac{1}{4}$ " U.N.F.	1"	HB0866	$\frac{3}{8}$ " U.N.C.	2"
HB0708P	$\frac{1}{4}$ " U.N.F.	1"	HB0867	$\frac{3}{8}$ " U.N.C.	2 $\frac{1}{4}$ "
HB0709	$\frac{1}{4}$ " U.N.F.	1 $\frac{1}{4}$ "	HB0868	$\frac{3}{8}$ " U.N.C.	2 $\frac{1}{4}$ "
HB0710	$\frac{1}{4}$ " U.N.F.	1 $\frac{1}{2}$ "	HB0869	$\frac{3}{8}$ " U.N.C.	2 $\frac{3}{4}$ "
HB0710D	$\frac{1}{4}$ " U.N.F.	1 $\frac{1}{2}$ "	HB0870	$\frac{3}{8}$ " U.N.C.	2 $\frac{3}{4}$ "
HB0710P	$\frac{1}{4}$ " U.N.F.	1 $\frac{1}{2}$ "	HB0871	$\frac{3}{8}$ " U.N.C.	2 $\frac{3}{4}$ "
HB0711	$\frac{1}{4}$ " U.N.F.	1 $\frac{3}{4}$ "	HB0872	$\frac{3}{8}$ " U.N.C.	2 $\frac{3}{4}$ "
HB0711P	$\frac{1}{4}$ " U.N.F.	1 $\frac{3}{4}$ "	HB0873	$\frac{3}{8}$ " U.N.C.	2 $\frac{3}{4}$ "
HB0712	$\frac{1}{4}$ " U.N.F.	1 $\frac{1}{2}$ "	HB0874	$\frac{3}{8}$ " U.N.C.	3"
HB0712P	$\frac{1}{4}$ " U.N.F.	1 $\frac{1}{2}$ "	HB0875	$\frac{3}{8}$ " U.N.C.	3 $\frac{1}{2}$ "
HB0713	$\frac{1}{4}$ " U.N.F.	1 $\frac{3}{4}$ "	HB0876	$\frac{3}{8}$ " U.N.C.	3 $\frac{1}{2}$ "
HB0714	$\frac{1}{4}$ " U.N.F.	1 $\frac{3}{4}$ "	HB0877	$\frac{3}{8}$ " U.N.C.	3 $\frac{1}{2}$ "
HB0714P	$\frac{1}{4}$ " U.N.F.	1 $\frac{3}{4}$ "	HB0878	$\frac{3}{8}$ " U.N.C.	3 $\frac{1}{2}$ "
HB0716	$\frac{1}{4}$ " U.N.F.	2"	HB0879	$\frac{3}{8}$ " U.N.C.	3 $\frac{1}{2}$ "
HB0717	$\frac{1}{4}$ " U.N.F.	2 $\frac{1}{4}$ "	HB0880	$\frac{3}{8}$ " U.N.C.	3 $\frac{1}{2}$ "
HB0717P	$\frac{1}{4}$ " U.N.F.	2 $\frac{1}{4}$ "	HB0881	$\frac{3}{8}$ " U.N.C.	3 $\frac{1}{2}$ "
HB0719P	$\frac{1}{4}$ " U.N.F.	2 $\frac{3}{4}$ "	HB0882	$\frac{3}{8}$ " U.N.C.	4"
HB0720	$\frac{1}{4}$ " U.N.F.	2 $\frac{1}{2}$ "	HB0885	$\frac{3}{8}$ " U.N.C.	4 $\frac{1}{2}$ "
HB0724	$\frac{1}{4}$ " U.N.F.	3"	HB0889	$\frac{3}{8}$ " U.N.C.	4 $\frac{1}{2}$ "
HB0726	$\frac{1}{4}$ " U.N.F.	3 $\frac{1}{2}$ "	HB0890	$\frac{3}{8}$ " U.N.C.	5"
HB0727	$\frac{1}{4}$ " U.N.F.	3 $\frac{3}{4}$ "	HB0891	$\frac{3}{8}$ " U.N.C.	5 $\frac{1}{2}$ "
HB0730	$\frac{1}{4}$ " U.N.F.	3 $\frac{3}{4}$ "	HB0894	$\frac{3}{8}$ " U.N.C.	5 $\frac{1}{2}$ "
HB0758	$\frac{1}{4}$ " U.N.C.	1"	HB0906	$\frac{3}{8}$ " U.N.F.	$\frac{3}{4}$ "
HB0804	$\frac{7}{16}$ " U.N.F.	$\frac{1}{2}$ "	HB0907	$\frac{3}{8}$ " U.N.F.	$\frac{3}{4}$ "
HB0805	$\frac{7}{16}$ " U.N.F.	$\frac{3}{4}$ "	HB0908	$\frac{3}{8}$ " U.N.F.	1"
HB0806	$\frac{7}{16}$ " U.N.F.	$\frac{3}{4}$ "	HB0909	$\frac{3}{8}$ " U.N.F.	1 $\frac{1}{4}$ "
HB0807	$\frac{7}{16}$ " U.N.F.	$\frac{3}{4}$ "	HB0910	$\frac{3}{8}$ " U.N.F.	1 $\frac{1}{4}$ "
HB0808	$\frac{7}{16}$ " U.N.F.	1"	HB0911	$\frac{3}{8}$ " U.N.F.	1 $\frac{1}{4}$ "
HB0809	$\frac{7}{16}$ " U.N.F.	1 $\frac{1}{4}$ "	HB0912	$\frac{3}{8}$ " U.N.F.	1 $\frac{1}{4}$ "
HB0810	$\frac{7}{16}$ " U.N.F.	1 $\frac{1}{4}$ "	HB0913	$\frac{3}{8}$ " U.N.F.	1 $\frac{1}{4}$ "
HB0811	$\frac{7}{16}$ " U.N.F.	1 $\frac{1}{4}$ "	HB0914	$\frac{3}{8}$ " U.N.F.	1 $\frac{1}{4}$ "
HB0812	$\frac{7}{16}$ " U.N.F.	1 $\frac{1}{4}$ "	HB0915	$\frac{3}{8}$ " U.N.F.	1 $\frac{1}{4}$ "

### BOLT — HEXAGON HEAD (Continued)

Part No.	Diam. (d)	Length (L)	Part No.	Diam. (d)	Length (L)
HB0916	$\frac{3}{8}$ " U.N.F.	2"	HB1018	$\frac{7}{16}$ " U.N.F.	2 $\frac{1}{2}$ "
HB0917	$\frac{3}{8}$ " U.N.F.	2 $\frac{1}{2}$ "	HB1019	$\frac{7}{16}$ " U.N.F.	2 $\frac{3}{4}$ "
HB0918	$\frac{3}{8}$ " U.N.F.	2 $\frac{1}{2}$ "	HB1020	$\frac{7}{16}$ " U.N.F.	2 $\frac{1}{2}$ "
HB0919	$\frac{3}{8}$ " U.N.F.	2 $\frac{3}{4}$ "	HB1021	$\frac{7}{16}$ " U.N.F.	2 $\frac{3}{4}$ "
HB0920	$\frac{3}{8}$ " U.N.F.	2 $\frac{3}{4}$ "	HB1022	$\frac{7}{16}$ " U.N.F.	2 $\frac{3}{4}$ "
HB0921	$\frac{3}{8}$ " U.N.F.	2 $\frac{3}{4}$ "	HB1023	$\frac{7}{16}$ " U.N.F.	2 $\frac{3}{4}$ "
HB0922	$\frac{3}{8}$ " U.N.F.	2 $\frac{3}{4}$ "	HB1024	$\frac{7}{16}$ " U.N.F.	3"
HB0923	$\frac{3}{8}$ " U.N.F.	2 $\frac{3}{4}$ "	HB1025	$\frac{7}{16}$ " U.N.F.	3 $\frac{1}{4}$ "
HB0924	$\frac{3}{8}$ " U.N.F.	3"	HB1026	$\frac{7}{16}$ " U.N.F.	3 $\frac{1}{4}$ "
HB0925	$\frac{3}{8}$ " U.N.F.	3 $\frac{1}{4}$ "	HB1027	$\frac{7}{16}$ " U.N.F.	3 $\frac{1}{4}$ "
HB0926	$\frac{3}{8}$ " U.N.F.	3 $\frac{1}{4}$ "	HB1028	$\frac{7}{16}$ " U.N.F.	3 $\frac{1}{4}$ "
HB0927	$\frac{3}{8}$ " U.N.F.	3 $\frac{1}{4}$ "	HB1029	$\frac{7}{16}$ " U.N.F.	3 $\frac{1}{4}$ "
HB0928	$\frac{3}{8}$ " U.N.F.	3 $\frac{1}{4}$ "	HB1030	$\frac{7}{16}$ " U.N.F.	3 $\frac{3}{4}$ "
HB0929	$\frac{3}{8}$ " U.N.F.	3 $\frac{3}{4}$ "	HB1034P	$\frac{7}{16}$ " U.N.F.	4 $\frac{1}{4}$ "
HB0930	$\frac{3}{8}$ " U.N.F.	3 $\frac{3}{4}$ "	HB1061	$\frac{7}{16}$ " U.N.C.	1 $\frac{3}{4}$ "
HB0931	$\frac{3}{8}$ " U.N.F.	3 $\frac{3}{4}$ "	HB1062	$\frac{7}{16}$ " U.N.C.	1 $\frac{1}{2}$ "
HB0932	$\frac{3}{8}$ " U.N.F.	4"	HB1064	$\frac{7}{16}$ " U.N.C.	1 $\frac{1}{2}$ "
HB0934	$\frac{3}{8}$ " U.N.F.	4 $\frac{1}{4}$ "	HB1065	$\frac{7}{16}$ " U.N.C.	1 $\frac{1}{2}$ "
HB0935	$\frac{3}{8}$ " U.N.F.	4 $\frac{1}{4}$ "	HB1066	$\frac{7}{16}$ " U.N.C.	2"
HB0937	$\frac{3}{8}$ " U.N.F.	4 $\frac{3}{4}$ "	HB1079	$\frac{7}{16}$ " U.N.C.	3 $\frac{3}{4}$ "
HB0942	$\frac{3}{8}$ " U.N.F.	5 $\frac{1}{4}$ "	HB1111	$\frac{1}{2}$ " U.N.F.	1 $\frac{3}{4}$ "
HB0943	$\frac{3}{8}$ " U.N.F.	5 $\frac{3}{4}$ "	HB1112	$\frac{1}{2}$ " U.N.F.	1 $\frac{1}{2}$ "
HB0944	$\frac{3}{8}$ " U.N.F.	5 $\frac{1}{2}$ "	HB1115	$\frac{1}{2}$ " U.N.F.	1 $\frac{1}{2}$ "
HB0959	$\frac{3}{8}$ " U.N.C.	1 $\frac{1}{2}$ "	HB1119	$\frac{1}{2}$ " U.N.F.	2 $\frac{3}{4}$ "
HB0960	$\frac{3}{8}$ " U.N.C.	1 $\frac{1}{2}$ "	HB1121	$\frac{1}{2}$ " U.N.F.	2 $\frac{3}{4}$ "
HB0961	$\frac{3}{8}$ " U.N.C.	1 $\frac{1}{2}$ "	HB1125	$\frac{1}{2}$ " U.N.F.	3 $\frac{1}{4}$ "
HB0962	$\frac{3}{8}$ " U.N.C.	1 $\frac{1}{2}$ "	HB1163	$\frac{1}{2}$ " U.N.C.	1 $\frac{1}{2}$ "
HB0963	$\frac{3}{8}$ " U.N.C.	1 $\frac{3}{4}$ "	HB1168	$\frac{1}{2}$ " U.N.C.	2 $\frac{1}{4}$ "
HB0964	$\frac{3}{8}$ " U.N.C.	1 $\frac{3}{4}$ "	HB1170	$\frac{1}{2}$ " U.N.C.	2 $\frac{1}{4}$ "
HB0965	$\frac{3}{8}$ " U.N.C.	1 $\frac{3}{4}$ "	HB1313	$\frac{3}{8}$ " U.N.F.	1 $\frac{3}{4}$ "
HB0966	$\frac{3}{8}$ " U.N.C.	2"	HB1315	$\frac{3}{8}$ " U.N.F.	1 $\frac{3}{4}$ "
HB0967	$\frac{3}{8}$ " U.N.C.	2 $\frac{1}{4}$ "	HB1316	$\frac{3}{8}$ " U.N.F.	2"
HB0968	$\frac{3}{8}$ " U.N.C.	2 $\frac{1}{4}$ "	HB1318	$\frac{3}{8}$ " U.N.F.	2 $\frac{1}{4}$ "
HB0969	$\frac{3}{8}$ " U.N.C.	2 $\frac{1}{4}$ "	HB1320	$\frac{3}{8}$ " U.N.F.	2 $\frac{1}{4}$ "
HB0970	$\frac{3}{8}$ " U.N.C.	2 $\frac{1}{4}$ "	HB1323	$\frac{3}{8}$ " U.N.F.	2 $\frac{3}{4}$ "
HB0971	$\frac{3}{8}$ " U.N.C.	2 $\frac{3}{4}$ "	HB1327	$\frac{3}{8}$ " U.N.F.	3 $\frac{3}{4}$ "
HB0972	$\frac{3}{8}$ " U.N.C.	2 $\frac{3}{4}$ "	HB1330	$\frac{3}{8}$ " U.N.F.	3 $\frac{3}{4}$ "
HB0973	$\frac{3}{8}$ " U.N.C.	2 $\frac{3}{4}$ "	HB1333	$\frac{3}{8}$ " U.N.F.	4 $\frac{1}{4}$ "
HB0974	$\frac{3}{8}$ " U.N.C.	3"	HB1336	$\frac{3}{8}$ " U.N.F.	4 $\frac{1}{4}$ "
HB0975	$\frac{3}{8}$ " U.N.C.	3 $\frac{1}{4}$ "	SP1C	$\frac{1}{2}$ " B.S.F.	3 $\frac{1}{4}$ "
HB0976	$\frac{3}{8}$ " U.N.C.	3 $\frac{1}{4}$ "	SP1E	$\frac{1}{2}$ " B.S.F.	1"
HB0980	$\frac{3}{8}$ " U.N.C.	3 $\frac{3}{4}$ "	SP1G	$\frac{1}{2}$ " B.S.F.	1 $\frac{1}{4}$ "
HB0983	$\frac{3}{8}$ " U.N.C.	4 $\frac{1}{4}$ "	SP1I	$\frac{1}{2}$ " B.S.F.	1 $\frac{1}{4}$ "
HB0984	$\frac{3}{8}$ " U.N.C.	4 $\frac{1}{4}$ "	SP1L	$\frac{1}{2}$ " B.S.F.	1 $\frac{3}{4}$ "
HB1009	$\frac{7}{16}$ " U.N.F.	1 $\frac{1}{2}$ "	SP1M1	$\frac{1}{2}$ " B.S.F.	2 $\frac{1}{4}$ "
HB1010	$\frac{7}{16}$ " U.N.F.	1 $\frac{1}{2}$ "	SP3B	$\frac{7}{16}$ " B.S.F.	$\frac{3}{4}$ "
HB1011	$\frac{7}{16}$ " U.N.F.	1 $\frac{1}{2}$ "	SP3C	$\frac{7}{16}$ " B.S.F.	$\frac{3}{4}$ "
HB1012	$\frac{7}{16}$ " U.N.F.	1 $\frac{1}{2}$ "	SP3D	$\frac{7}{16}$ " B.S.F.	$\frac{3}{4}$ "
HB1013	$\frac{7}{16}$ " U.N.F.	1 $\frac{1}{2}$ "	SP3G	$\frac{7}{16}$ " B.S.F.	1 $\frac{1}{4}$ "
HB1014	$\frac{7}{16}$ " U.N.F.	1 $\frac{1}{2}$ "	SP3H	$\frac{7}{16}$ " B.S.F.	1 $\frac{3}{4}$ "
HB1015	$\frac{7}{16}$ " U.N.F.	1 $\frac{3}{4}$ "	SP3M	$\frac{7}{16}$ " B.S.F.	2"
HB1016	$\frac{7}{16}$ " U.N.F.	2"	SP5E	$\frac{3}{4}$ " B.S.F.	1 $\frac{1}{4}$ "
HB1017	$\frac{7}{16}$ " U.N.F.	2 $\frac{1}{4}$ "	VO823	$\frac{1}{2}$ " N.F.	1 $\frac{3}{4}$ "

## BOLT — CARRIAGE



### ABBREVIATIONS

d = Diameter  
NF = National Fine Thread

L = Length  
UNC = Unified Coarse Thread

Part No.	Diam. (d)	Length (L)	Part No.	Diam. (d)	Length (L)
BC6712	$\frac{1}{4}$ " N.F.	$1\frac{1}{2}$ "	BR2806	$\frac{1}{8}$ " N.F.	$\frac{1}{2}$ "
BC6807	$\frac{7}{16}$ " N.F.	$\frac{7}{8}$ "			
BC6910	$\frac{1}{2}$ " N.F.	$1\frac{1}{2}$ "			
BC7022	$\frac{7}{8}$ " N.F.	$2\frac{1}{2}$ "			
CB7072	$\frac{7}{8}$ " U.N.C.	$2\frac{1}{2}$ "			

## BALL — STEEL

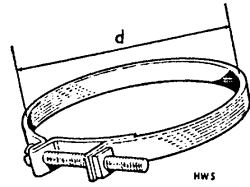


### ABBREVIATIONS

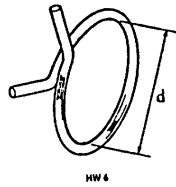
d = Diameter

Part No.	Diam. (d)	Part No.	Diam. (d)	Part No.	Diam. (d)
BLOO12	$\frac{7}{16}$ "	BLOO22	$\frac{11}{16}$ "	BLOO27	$\frac{22}{16}$ "
BLOO14	$\frac{7}{32}$ "	BLOO24	$\frac{1}{2}$ "	BLOO28	$\frac{7}{16}$ "
BLOO16	$\frac{1}{4}$ "	BLOO25	$\frac{22}{16}$ "	BLOO29	$\frac{22}{16}$ "
BLOO18	$\frac{5}{16}$ "	BLOO26	$\frac{13}{16}$ "	BLOO30	$\frac{13}{16}$ "
BLOO20	$\frac{3}{8}$ "				

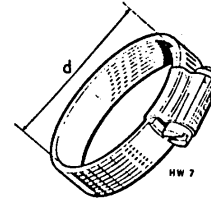
**CLIP — PIPE**



**ENOTS**



**CORBIN**



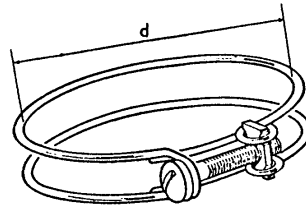
**JUBILEE**

**ABBREVIATIONS**

d = Diameter

Part No.	Diam. (d)	Part No.	Diam. (d)	Part No.	Diam. (d)
CE1018	1 1/4"	CC5008	1/2"	CJ3014	7/8"
CE1024	1 1/2"	CC5012	3/4"	CJ3020	1 1/4"
CE1028	1 3/4"			CJ3024	1 1/2"
CE1030	1 7/8"			CJ3030	1 3/4"
CE1034	2 1/4"			CJ3036	2 1/4"
CE1035	2 3/4"			CJ3044	2 3/4"

**CLIP — PIPE (Continued)**



**SUPERGRIP**

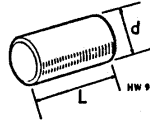
**ABBREVIATIONS**

d = Diameter

Part No.	Diam. (d)	Part No.	Diam. (d)	Part No.	Diam. (d)
CS4007	7/8"	CS4023	1 1/8"	CS4037	2 1/8"
CS4008	1"	CS4024	1 1/4"	CS4038	2 3/8"
CS4009	1 1/8"	CS4025	1 3/8"	CS4039	2 7/8"
CS4010	1 1/4"	CS4026	1 1/2"	CS4040	2 1/2"
CS4011	1 1/2"	CS4028	1 3/4"	CS4041	2 3/8"
CS4012	1 3/4"	CS4029	1 7/8"	CS4042	2 3/4"
CS4013	1 7/8"	CS4030	1 7/8"	CS4044	2 3/4"
CS4014	1 7/8"	CS4032	2"	CS4046	2 3/4"
CS4016	1"	CS4033	2 1/4"	CS4049	3 1/8"
CS4017	1 1/8"	CS4034	2 1/4"	CS4051	3 3/8"
CS4018	1 1/4"	CS4035	2 3/8"	CS4054	3 3/8"
CS4020	1 1/2"	CS4036	2 1/2"	CS4062	3 3/8"
CS4022	1 3/4"				



## DOWEL — PLAIN



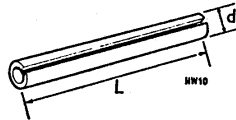
### ABBREVIATIONS

(d) = Diameter

L = Length

Part No.	Diam. (d)	Length (L)	Part No.	Diam. (d)	Length (L)
DP0204	$\frac{1}{8}''$	$\frac{1}{2}''$	DP0507	$\frac{7}{16}''$	$\frac{7}{8}''$
DP0205	$\frac{1}{8}''$	$\frac{3}{4}''$	DP0508	$\frac{7}{16}''$	$\frac{1}{2}''$
DP0304	$\frac{3}{16}''$	$\frac{1}{2}''$	DP0510	$\frac{7}{16}''$	$\frac{3}{4}''$
DP0305	$\frac{3}{16}''$	$\frac{3}{4}''$	DP0512	$\frac{7}{16}''$	$\frac{1}{2}''$
DP0308	$\frac{3}{16}''$	$\frac{1}{2}''$	DP0514	$\frac{7}{16}''$	$\frac{3}{4}''$
DP0310	$\frac{3}{16}''$	$\frac{3}{4}''$	DP0516	$\frac{7}{16}''$	1"
DP0404	$\frac{1}{2}''$	$\frac{1}{2}''$	DP0608	$\frac{3}{4}''$	$\frac{1}{2}''$
DP0406	$\frac{1}{2}''$	$\frac{3}{4}''$	DP0610	$\frac{3}{4}''$	$\frac{3}{4}''$
DP0407	$\frac{1}{2}''$	$\frac{7}{8}''$	DP0611	$\frac{3}{4}''$	$1\frac{1}{2}''$
DP0408	$\frac{1}{2}''$	$\frac{1}{2}''$	DP0612	$\frac{3}{4}''$	$\frac{3}{4}''$
DP0410	$\frac{1}{2}''$	$\frac{3}{4}''$	DP0616	$\frac{3}{4}''$	1"
DP0411	$\frac{1}{2}''$	$1\frac{1}{2}''$			

## DOWEL — SPRING TENSION TYPE



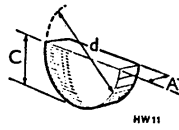
### ABBREVIATIONS

d = Diameter

L = Length

Part No.	Nominal Diam. (d)	Length (L)	Part No.	Nominal Diam. (d)	Length (L)
DS0908	$\frac{3}{32}''$	$\frac{1}{2}''$	DS2509	$\frac{1}{2}''$	$\frac{9}{16}''$
DS0909	$\frac{3}{32}''$	$\frac{3}{4}''$	DS2510	$\frac{1}{2}''$	$\frac{3}{4}''$
DS0910	$\frac{3}{32}''$	$\frac{1}{2}''$	DS2512	$\frac{1}{2}''$	$\frac{3}{4}''$
DS0911	$\frac{3}{32}''$	$1\frac{1}{8}''$	DS2514	$\frac{1}{2}''$	$\frac{7}{8}''$
DS0912	$\frac{3}{32}''$	$\frac{3}{4}''$	DS2516	$\frac{1}{2}''$	1"
DS0913	$\frac{3}{32}''$	$1\frac{1}{8}''$	DS2520	$\frac{1}{2}''$	$1\frac{1}{2}''$
DS0914	$\frac{3}{32}''$	$\frac{7}{8}''$	DS2522	$\frac{1}{2}''$	$1\frac{1}{2}''$
DS1309	$\frac{1}{4}''$	$\frac{7}{8}''$	DS2524	$\frac{1}{2}''$	$1\frac{1}{2}''$
DS1310	$\frac{1}{4}''$	$\frac{3}{4}''$	DS3112	$\frac{7}{16}''$	$\frac{3}{4}''$
DS1312	$\frac{1}{4}''$	$\frac{3}{4}''$	DS3114	$\frac{7}{16}''$	$\frac{7}{8}''$
DS1314	$\frac{1}{4}''$	$\frac{7}{8}''$	DS3116	$\frac{7}{16}''$	1"
DS1607	$\frac{5}{16}''$	$\frac{7}{8}''$	DS3118	$\frac{7}{16}''$	$1\frac{1}{2}''$
DS1620	$\frac{5}{16}''$	$1\frac{1}{2}''$	DS3120	$\frac{7}{16}''$	$1\frac{1}{2}''$
DS1912	$\frac{7}{16}''$	$\frac{3}{4}''$	DS3124	$\frac{7}{16}''$	$1\frac{1}{2}''$
DS1914	$\frac{7}{16}''$	$\frac{7}{8}''$	DS3128	$\frac{7}{16}''$	$1\frac{1}{2}''$
DS1918	$\frac{7}{16}''$	$1\frac{1}{4}''$			

### KEY — WOODRUFF

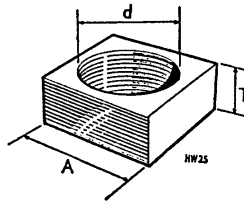


### ABBREVIATIONS

A = Width                      d = Diameter                      C = Height

Part No.	Width (A)	Diam. (d)	Height (C)
KW0316	$\frac{3}{16}$ "	$\frac{1}{2}$ "	$\frac{1}{16}$ "
KW0416	$\frac{1}{2}$ "	$\frac{1}{2}$ "	$\frac{1}{16}$ "
KW0420	$\frac{1}{2}$ "	$\frac{3}{8}$ "	$\frac{1}{16}$ "
KW0520	$\frac{3}{8}$ "	$\frac{3}{8}$ "	$\frac{1}{16}$ "
KW0524	$\frac{3}{8}$ "	$\frac{3}{8}$ "	$\frac{1}{16}$ "
KW0624	$\frac{3}{8}$ "	$\frac{3}{8}$ "	$\frac{1}{16}$ "
KW0628	$\frac{3}{8}$ "	$\frac{3}{8}$ "	$\frac{1}{16}$ "
KW0632	$\frac{3}{8}$ "	$\frac{3}{8}$ "	$\frac{1}{16}$ "
KW0636	$\frac{3}{8}$ "	$\frac{3}{8}$ "	$\frac{1}{16}$ "
KW0832	$\frac{1}{2}$ "	$\frac{1}{2}$ "	$\frac{1}{16}$ "
KW0836	$\frac{1}{2}$ "	$\frac{1}{2}$ "	$\frac{1}{16}$ "
KW1040	$\frac{1}{2}$ "	$\frac{1}{2}$ "	$\frac{1}{16}$ "
KW1251	$\frac{3}{4}$ "	$\frac{3}{4}$ "	$\frac{1}{16}$ "

### NUT — SQUARE

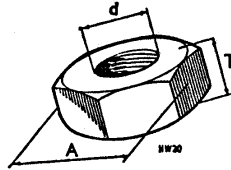


### ABBREVIATIONS

A = Dimension across flats                      d = Thread Diameter  
T = Thickness                      NF = National Fine Thread

Part No.	Thread Diam. (d)	Across Flats (A)	Thickness (T)
NQ2705	No. 10 N.F.	$\frac{3}{8}$ "	-130°/-117°
NQ2707	$\frac{1}{4}$ " N.F.	$\frac{7}{16}$ "	-235°/-203°
NQ2708	$\frac{3}{16}$ " N.F.	$\frac{7}{16}$ "	-283°/-249°
NQ2709	$\frac{3}{8}$ " N.F.	$\frac{7}{8}$ "	-346°/-310°

## NUT — HEXAGON

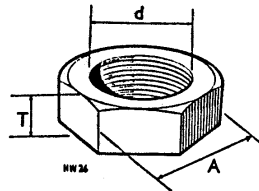


### ABBREVIATIONS

<p><b>A</b> = Dimension across flats  <b>T</b> = Thickness  <b>UNF</b> = Unified Fine Thread  <b>BSF</b> = British Standard Fine Thread</p>	<p><b>d</b> = Thread Diameter  <b>NC</b> = National Coarse Thread  <b>NF</b> = National Fine Thread  <b>UNC</b> = Unified Coarse Thread  <b>BA</b> = British Association Thread</p>
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Part No.	Thread Diam. (d)	Across Flats (A)	Nominal Thickness (T)
NH2002	No. 5 N.F.	$\frac{7}{16}$ "	.114"/.102"
NH2003	No. 6 N.F.	$\frac{1}{2}$ "	.114"/.102"
NH2004	No. 8 N.F.	$\frac{11}{16}$ "	.130"/.117"
NH2005	No. 10 N.F.	$\frac{3}{4}$ "	.130"/.117"
NH2006	No. 12 N.F.	$\frac{7}{8}$ "	.161"/.148"
NH2007	$\frac{1}{4}$ " N.F.	$\frac{7}{16}$ "	.226"/.212"
NH2008	$\frac{5}{16}$ " N.F.	$\frac{1}{2}$ "	.273"/.258"
NH2009	$\frac{3}{8}$ " N.F.	$\frac{5}{8}$ "	.337"/.320"
NH2010	$\frac{7}{16}$ " N.F.	$\frac{3}{4}$ "	.385"/.365"
NH2011	$\frac{1}{2}$ " N.F.	$\frac{7}{8}$ "	.448"/.427"
NH2012	$\frac{5}{8}$ " N.F.	$\frac{1}{2}$ "	.496"/.473"
NH2013	$\frac{3}{4}$ " N.F.	$\frac{11}{8}$ "	.559"/.534"
NH2057	$\frac{1}{4}$ " N.C.	$\frac{7}{16}$ "	.226"/.212"
NH2058	$\frac{5}{16}$ " N.C.	$\frac{1}{2}$ "	.273"/.258"
NH2059	$\frac{3}{8}$ " N.C.	$\frac{5}{8}$ "	.337"/.320"
HN2002	No. 5 U.N.F.	$\frac{7}{16}$ "	.114"/.102"
HN2005	No. 10 U.N.F.	$\frac{3}{4}$ "	.130"/.117"
HN2007	$\frac{1}{4}$ " U.N.F.	$\frac{7}{16}$ "	.220"/.210"
HN2008	$\frac{5}{16}$ " U.N.F.	$\frac{1}{2}$ "	.270"/.260"
HN2009	$\frac{3}{8}$ " U.N.F.	$\frac{5}{8}$ "	.330"/.320"
HN2010	$\frac{7}{16}$ " U.N.F.	$\frac{11}{8}$ "	.380"/.370"
HN2011	$\frac{1}{2}$ " U.N.F.	$\frac{3}{4}$ "	.440"/.430"
HN2012	$\frac{5}{8}$ " U.N.F.	$\frac{7}{8}$ "	.490"/.480"
HN2013	$\frac{3}{4}$ " U.N.F.	$\frac{11}{8}$ "	.550"/.540"
HN2014	$\frac{7}{8}$ " U.N.F.	$1\frac{1}{8}$ "	.660"/.640"
HN2016	1" U.N.F.	$1\frac{1}{2}$ "	.880"/.850"
HN2051	No. 4 U.N.C.	$\frac{1}{2}$ "	.098"/.087"
HN2053	No. 6 U.N.C.	$\frac{7}{16}$ "	.114"/.102"
HN2054	No. 8 U.N.C.	$\frac{11}{16}$ "	.130"/.117"
HN2057	$\frac{1}{4}$ " U.N.C.	$\frac{7}{16}$ "	.220"/.217"
HN2058	$\frac{5}{16}$ " U.N.C.	$\frac{1}{2}$ "	.270"/.260"
HN2059	$\frac{3}{8}$ " U.N.C.	$\frac{5}{8}$ "	.330"/.320"
HN2060	$\frac{7}{16}$ " U.N.C.	$\frac{11}{8}$ "	.380"/.370"
HN2061	$\frac{1}{2}$ " U.N.C.	$\frac{3}{4}$ "	.440"/.430"
SP22A	No. 2 B.A.	.338"	$\frac{3}{16}$ "
SP22B	No. 4 B.A.	.156"	$\frac{1}{8}$ "
SP22BD	$\frac{5}{16}$ " B.S.F. (Brass)	.525"	$\frac{1}{4}$ "
SP22BE	$\frac{3}{8}$ " B.S.F. (Brass)	.600"	$\frac{7}{16}$ "
SP22C	$\frac{1}{4}$ " B.S.F.	.445"	$\frac{7}{16}$ "
SP22D	$\frac{5}{16}$ " B.S.F.	.525"	$\frac{1}{2}$ "
SP22E	$\frac{3}{8}$ " B.S.F.	.600"	$\frac{7}{16}$ "
SP22F	$\frac{7}{16}$ " B.S.F.	.710"	$\frac{3}{4}$ "
SP22G	$\frac{1}{2}$ " B.S.F.	.820"	$\frac{7}{8}$ "

**NUT — REGULAR HEXAGON**  
(no washer face or chamfer on lower face)



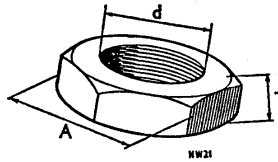
**ABBREVIATIONS**

**A** = Dimension across Flats  
**T** = Thickness

**d** = Thread Diameter  
**NF** = National Fine Thread

Part No.	Thread Diam. (d)	Across Flats (A)	Thickness (T)
NR3109	$\frac{3}{8}$ " N.F.	$\frac{1}{2}$ "	.330"/-.294"

**NUT — HEXAGON — JAM**



**ABBREVIATIONS**

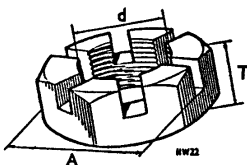
**NC** = National Coarse Thread  
**UNC** = Unified Coarse Thread  
**WHIT** = Whitworth Thread

**A** = Dimension across Flats  
**T** = Thickness  
**d** = Thread Diameter

**NF** = National Fine Thread  
**UNF** = Unified Fine Thread  
**BSF** = British Standard Fine Thread

Part No.	Thread Diam. (d)	Across Flats (A)	Thickness (T)
NJ2103	No. 6 N.F.	$\frac{7}{16}$ "	
NJ2105	No. 10 N.F.	$\frac{3}{8}$ "	.123"/-.113"
NJ2107	$\frac{1}{4}$ " N.F.	$\frac{7}{16}$ "	.163"/-.150"
NJ2108	$\frac{5}{16}$ " N.F.	$\frac{1}{2}$ "	.195"/-.180"
NJ2109	$\frac{3}{8}$ " N.F.	$\frac{7}{8}$ "	.227"/-.210"
NJ2110	$\frac{7}{16}$ " N.F.	$\frac{1}{2}$ "	.260"/-.240"
NJ2113	$\frac{3}{4}$ " N.F.	$\frac{1 1}{8}$ "	.387"/-.363"
NJ2114	$\frac{1}{2}$ " N.F.	$1 \frac{1}{16}$ "	.389"/-.361"
NJ2157	$\frac{1}{2}$ " N.C.	$\frac{7}{8}$ "	.163"/-.150"
NJ2158	$\frac{5}{16}$ " N.C.	$\frac{1}{2}$ "	.195"/-.180"
NJ2159	$\frac{3}{8}$ " N.C.	$\frac{7}{8}$ "	.227"/-.210"
JN2107	$\frac{1}{4}$ " U.N.F.	$\frac{7}{16}$ "	.160"/-.150"
JN2108	$\frac{5}{16}$ " U.N.F.	$\frac{1}{2}$ "	.190"/-.180"
JN2109	$\frac{3}{8}$ " U.N.F.	$\frac{7}{8}$ "	.220"/-.210"
JN2110	$\frac{7}{16}$ " U.N.F.	$\frac{1}{2}$ "	.260"/-.250"
JN2111	$\frac{1}{2}$ " U.N.F.	$\frac{3}{4}$ "	.320"/-.310"
JN2113	$\frac{3}{4}$ " U.N.F.	$\frac{1 1}{8}$ "	.380"/-.370"
JN2116	1" U.N.F.	$1 \frac{1}{4}$ "	.570"/-.540"
JN2157	$\frac{1}{2}$ " U.N.C.	$\frac{7}{8}$ "	.160"/-.150"
JN2158	$\frac{5}{16}$ " U.N.C.	$\frac{1}{2}$ "	.190"/-.180"
JN2159	$\frac{3}{8}$ " U.N.C.	$\frac{7}{8}$ "	.220"/-.210"
SP24E	$\frac{3}{4}$ " B.S.F.	.600"	$\frac{1}{4}$ "
SP24P	$\frac{7}{8}$ " WHIT	.525"	$\frac{1}{8}$ "

## NUT — HEX — SLOTTED

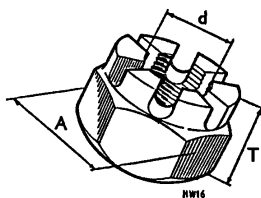


### ABBREVIATIONS

**A** = Dimension across Flats  
**T** = Thickness  
**NC** = National Coarse Thread  
**UNC** = Unified Coarse Thread  
**d** = Thread Diameter  
**NF** = National Fine Thread  
**UNF** = Unified Fine Thread

Part No.	Thread Diam. (d)	Across Flats (A)	Thickness (T)
NL2205	No. 10 N.F.	$\frac{3}{8}$ "	.187"
NL2207	$\frac{1}{4}$ " N.F.	$\frac{7}{16}$ "	.219"/.187"
NL2208	$\frac{5}{16}$ " N.F.	$\frac{7}{16}$ "	.267"/.233"
NL2209	$\frac{3}{8}$ " N.F.	$\frac{3}{4}$ "	.330"/.294"
NL2210	$\frac{7}{16}$ " N.F.	$\frac{3}{4}$ "	.378"/.340"
NL2210	$\frac{7}{16}$ " N.F.	$\frac{3}{4}$ "	.378"/.340"
NL2211	$\frac{1}{2}$ " N.F.	$\frac{11}{16}$ "	.442"/.402"
NL2212	$\frac{5}{8}$ " N.F.	$\frac{3}{4}$ "	.505"/.463"
NL2213	$\frac{3}{4}$ " N.F.	1"	.553"/.509"
LNZ209	$\frac{3}{8}$ " U.N.F.	$\frac{7}{16}$ "	.330"/.320"
LNZ210	$\frac{7}{16}$ " U.N.F.	$\frac{11}{16}$ "	.380"/.370"
LNZ211	$\frac{1}{2}$ " U.N.F.	$\frac{3}{4}$ "	.440"/.430"
LNZ212	$\frac{5}{8}$ " U.N.F.	$\frac{3}{4}$ "	.490"/.480"
SP21D	$\frac{1}{4}$ " B.S.F.	.525"	$\frac{1}{16}$ "
SP21E	$\frac{3}{8}$ " B.S.F.	.600"	$\frac{3}{16}$ "
SP21F	$\frac{7}{16}$ " B.S.F.	.710"	$\frac{7}{16}$ "
SP21F1	$\frac{7}{16}$ " B.S.F.	.710"	$\frac{3}{8}$ "
SP21G	$\frac{1}{2}$ " B.S.F.	.820"	$\frac{1}{2}$ "
SP21G1	$\frac{1}{2}$ " B.S.F.	.820"	$\frac{7}{16}$ "
SP21H	$\frac{5}{8}$ " B.S.F.	.920"	$\frac{7}{16}$ "
SP21I	$\frac{3}{4}$ " B.S.F.	1.010"	$\frac{3}{8}$ "
SP21K	$\frac{3}{4}$ " B.S.F.	1.200"	$\frac{3}{4}$ "

## NUT — HEX — CASTLE — NATIONAL THREAD

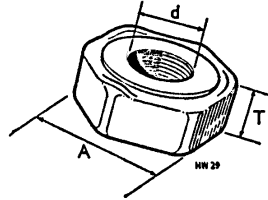


### ABBREVIATIONS

**A** = Dimension across flats  
**T** = Thickness  
**d** = Thread Diameter  
**NF** = National Fine Thread

Part No.	Thread Diam (d)	A/Flats (A)	Thickness (T)
NC2407	$\frac{1}{4}$ " N.F.	$\frac{7}{16}$ "	.288"/.274"

### NUT — WELD — GKN — 3 PRONGED TYPE



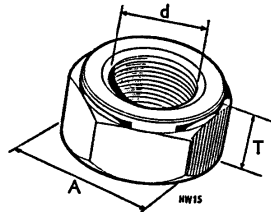
#### ABBREVIATIONS

A = Dimension across Flats  
T = Thickness

d = Thread Diameter  
NF = National Fine Thread

Part No.	Thread Diam. (d)	Across Flats (A)	Thickness (T)
NY3305	No. 10 N.F.	$\frac{7}{16}$ "	.205"

### NUT — PHILIDAS — STANDARD INDUSTRIAL — UNIFIED



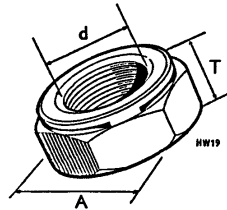
#### ABBREVIATIONS

A = Dimension across flats  
T = Thickness

d = Thread Diameter  
UNF = Unified Fine Thread

Part No.	Diam. (d)	Dimension across Flats (A)	Thickness (T) max.
AN3507	$\frac{1}{4}$ " U.N.F.	$\frac{7}{16}$ "	.270"
AN3508	$\frac{3}{16}$ " U.N.F.	$\frac{1}{2}$ "	.330"
AN3509	$\frac{1}{2}$ " U.N.F.	$\frac{7}{8}$ "	.400"

### NUT — PHILIDAS — THIN — INDUSTRIAL



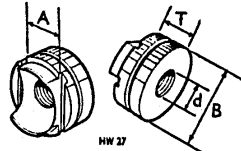
#### ABBREVIATIONS

A = Dimension across Flats  
T = Thickness

d = Thread Diameter  
NF = National Fine Thread

Part No.	Thread Diam. (d)	Across Flats (A)	Thickness (T)
EN3608	$\frac{3}{16}$ " U.N.F.	$\frac{1}{2}$ "	.246"
EN3609	$\frac{1}{4}$ " U.N.F.	$\frac{7}{16}$ "	.296"
EN3610	$\frac{5}{16}$ " U.N.F.	$\frac{11}{16}$ "	.340"

### NUT — CLINCH — UNIFIED THREAD



HW 27

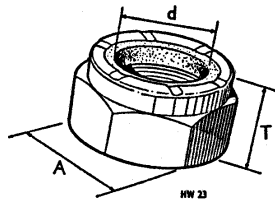
#### ABBREVIATIONS

A = Dimension across Flats  
 B = Outside Diameter  
 UNF = Unified Fine Thread

d = Thread Diameter  
 T = Thickness

Part No.	Thread Diam. (d)	Across Flats (A)	Diam. (B)	Thickness (T)
RN3808	$\frac{1}{8}$ " U.N.F.	$\frac{1}{2}$ "	$\frac{3}{4}$ "	.297"

### NUT — SIMMONDS FULL NYLOC



HW 23

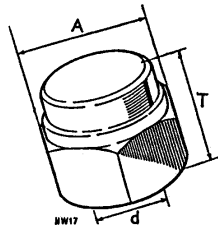
#### ABBREVIATIONS

A = Dimension across Flats  
 T = Thickness

d = Thread Diameter  
 NF = National Fine Thread

Part No.	Thread Diam. (d)	Across Flats (A)	Thickness (T)
NN2905	No. 10 N.F.	$\frac{3}{8}$ "	.249"
NN2907	$\frac{1}{4}$ " N.F.	$\frac{7}{16}$ "	.338"
NN2908	$\frac{3}{16}$ " N.F.	$\frac{7}{16}$ "	.423"
NN2909	$\frac{3}{8}$ " N.F.	$\frac{3}{4}$ "	.489"
NN2910	$\frac{1}{2}$ " N.F.	$\frac{3}{4}$ "	.543"
NN2913	$\frac{3}{8}$ " N.F.	1"	.773"

### NUT — SIMMONDS NYLOC DEEP CAPPED



HW 17

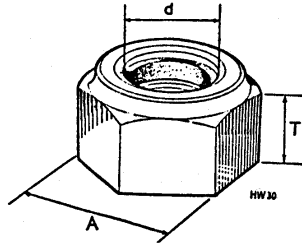
#### ABBREVIATIONS

A = Dimension across flats  
 T = Thickness  
 UNF = Unified Fine Thread

d = Thread Diameter  
 NF = National Fine Thread

Part No.	Thread Diam. (d)	Across Flats (A)	Thickness (T)
ND3408	$\frac{3}{16}$ " N.F.	$\frac{3}{8}$ "	.660" / .640"
DN3408	$\frac{1}{4}$ " U.N.F.	$\frac{1}{2}$ "	.660" / .640"

## NUT — SIMMONDS FULL NYLOC



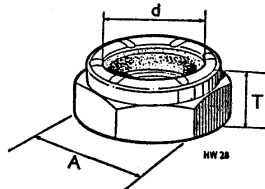
**A** = Dimension across Flats  
**T** = Thickness  
**UNC** = Unified Coarse Thread

### ABBREVIATIONS

**d** = Thread Diameter  
**UNF** = Unified Fine Thread

Part No.	Thread Diam. (d)	Across Flats (A)	Thickness (T)
YN2905	No. 10 U.N.F.	$\frac{1}{16}''$	.245"
YN2907	$\frac{1}{8}''$ U.N.F.	$\frac{7}{16}''$	.330"
YN2908	$\frac{9}{16}''$ U.N.F.	$\frac{1}{2}''$	.438"
YN2909	$\frac{3}{8}''$ U.N.F.	$\frac{7}{8}''$	.485"
YN2910	$\frac{7}{16}''$ U.N.F.	$\frac{11}{16}''$	.543"
YN2911	$\frac{1}{2}''$ U.N.F.	$\frac{3}{4}''$	.603"
YN2912	$\frac{9}{16}''$ U.N.F.	$\frac{7}{8}''$	.700"
YN2913	$\frac{5}{8}''$ U.N.F.	$\frac{11}{8}''$	.720"
YN2914	$\frac{3}{4}''$ U.N.F.	$1\frac{1}{8}''$	.860"
YN2961	$\frac{1}{2}''$ U.N.C.	$\frac{3}{4}''$	.603"

## NUT — SIMMONDS NYLOC, THIN



**A** = Dimension across Flats  
**T** = Thickness  
**UNF** = Unified Fine Thread

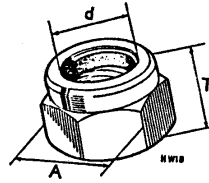
### ABBREVIATIONS

**d** = Thread Diameter  
**NF** = National Fine Thread

Part No.	Thread Diam. (d)	Across Flats (A)	Thickness (T)
NT3208	$\frac{7}{16}''$ N.F.	$\frac{7}{16}''$	.345"
NT3209	$\frac{3}{8}''$ N.F.	$\frac{3}{8}''$	.379"
NT3211	$\frac{1}{2}''$ N.F.	$\frac{11}{16}''$	.482"
TN3205	No. 10 U.N.F.	.313"	.180"
TN3207	$\frac{1}{8}''$ U.N.F.	.437"	.268"
TN3208	$\frac{9}{16}''$ U.N.F.	.500"	.360"
TN3209	$\frac{3}{8}''$ U.N.F.	.562"	.375"
TN3210	$\frac{7}{16}''$ U.N.F.	.687"	.418"
TN3211	$\frac{1}{2}''$ U.N.F.	.750"	.476"
TN3212	$\frac{9}{16}''$ U.N.F.	.875"	.547"
TN3213	$\frac{5}{8}''$ U.N.F.	.938"	.548"
TN3254	No.8 U.N.C.	.313"	.180"



## NUT — SIMMONDS ELASTIC STOP



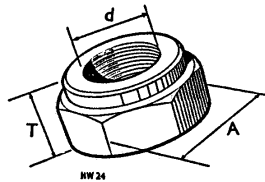
### ABBREVIATIONS

**A** = Dimension across flats  
**T** = Thickness  
 Suffix /10 denotes Mild Steel 28 Ton

**d** = Thread Diameter  
**NF** = National Fine Thread  
**BSF** = British Standard Fine Thread

Part No.	-Thread Diam. (d)	Across Flats (A)	Thickness (T)
NE2503	No. 6 N.F.	$\frac{1}{16}''$	.204"
NE2505	No. 10 N.F.	$\frac{3}{16}''$	.249"
NE2507	$\frac{1}{8}''$ N.F.	$\frac{1}{16}''$	.338"
NE2508	$\frac{7}{16}''$ N.F.	$\frac{1}{16}''$	.423"
NE2509	$\frac{3}{8}''$ N.F.	$\frac{3}{8}''$	.490"
NE2510	$\frac{7}{16}''$ N.F.	$\frac{3}{8}''$	.543"
SP115D10	$\frac{1}{16}''$	.525"	.395"
SP115E10	$\frac{3}{8}''$	.600"	.500"
SP115F	$\frac{7}{16}''$	.710"	.600"

## NUT — SIMMONDS PINNACLE



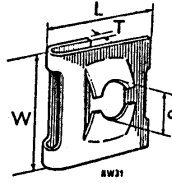
### ABBREVIATIONS

**A** = Dimension across Flats  
**T** = Thickness  
 Suffix /11 denotes Mild Steel 35/40 Ton

**d** = Thread Diameter  
**NF** = National Fine Thread  
**BSF** = British Standard Fine Thread

Part No.	Thread Diam. (d)	Across Flats (A)	Thickness (T)
NP2607	$\frac{1}{8}''$ N.F.	$\frac{7}{16}''$	.280"
NP2608	$\frac{7}{16}''$ N.F.	$\frac{7}{16}''$	.320"
NP2609	$\frac{3}{8}''$ N.F.	$\frac{3}{8}''$	.399"
NP2610	$\frac{7}{16}''$ N.F.	$\frac{3}{8}''$	.460"
SP128HH	$\frac{3}{8}''$ B.S.F.	.600"	.360"
SP128LH	$\frac{7}{16}''$ B.S.F.		.920"

## FIX NUT — SIMMONDS ACME 'J' TYPE



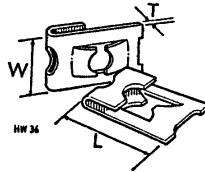
### ABBREVIATIONS

L = Length  
d = Screw diameter

W = Width  
T = Thickness

Part No.	Screw (d) Diam.	Length (L)	Width (W)	Thickness (T)
FA3057	$\frac{1}{4}$ " (12 Acme)	.687"	$\frac{3}{8}$ "	.036"
FA3058	$\frac{1}{4}$ " (12 Acme)	.990"	$\frac{1}{2}$ "	.036"
FA3059	$\frac{1}{4}$ " (12 Acme)	.980"	$\frac{3}{8}$ "	.036"

## FIX NUT — SIMMONDS 'J' TYPE



### ABBREVIATIONS

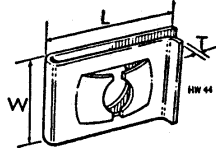
L = Length  
T = Thickness

W = Width

Suffix /4 to Part No. denotes Chromate Passivated Electro Plated Zinc — Colour, Pale Translucent Yellow  
 Suffix /8 to Part No. denotes 2 coats of Zinc Chromate paint } Colour, Olive Green  
 Suffix /9 to Part No. denotes 1 coat of Zinc Chromate paint }

Part No.	Length (L)	Width (W)	Thickness (T)	Screw Thread	Screw Type
FJ2407	$1\frac{1}{32}$ "	$\frac{3}{8}$ "	.036"	$\frac{1}{4}$ " x 12 Acme	Threaded
FJ2442	.382"	$\frac{1}{16}$ "	.022"	No 6	Self Tapping
FJ2443	$\frac{1}{4}$ "	$\frac{7}{16}$ "	.020"	No 6	Self Tapping
FJ2444	$\frac{1}{4}$ "	$\frac{7}{16}$ "	.024"	No 8	Self Tapping
FJ2444/4	$\frac{1}{4}$ "	$\frac{7}{16}$ "	.024"	No. 8	Self Tapping
FJ2445	.780"	$\frac{1}{2}$ "	.028"	No. 10	Self Tapping
FJ2446	$1\frac{1}{4}$ "	$\frac{13}{16}$ "	.032"	No. 12	Self Tapping
FJ2462/8	$\frac{1}{4}$ "	$\frac{7}{16}$ "	.020"	No. 6	Self Tapping
FJ2462/9	$\frac{1}{4}$ "	$\frac{7}{16}$ "	.020"	No. 6	Self Tapping
FJ2463	$\frac{1}{4}$ "	$\frac{7}{16}$ "	.020"	No. 6	Self Tapping
FJ2464	$\frac{1}{4}$ "	$\frac{7}{16}$ "	.020"	No. 8	Self Tapping
FJ2465/9	.770"	$\frac{1}{2}$ "	.028"	No. 10	Self Tapping
FJ2474	.653"	$\frac{3}{8}$ "	.028"	No. 8	Self Tapping
FJ2482	.623"	$\frac{7}{16}$ "	.022"	No. 6	Self Tapping
FJ2485/8	$\frac{3}{4}$ "	$\frac{11}{16}$ "	.028"	No. 10	Self Tapping
FJ2494	$\frac{3}{4}$ "	$\frac{7}{16}$ "	.024"	No 8	Self Tapping

## FIX NUT — SIMMONDS 'U' TYPE



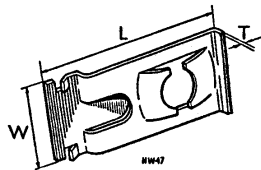
### ABBREVIATIONS

**L = Length**  
**T = Thickness**  
**NC = National Coarse Thread**  
**Suffix /9 to Part No. denotes 1 coat Zinc Chromate paint — Colour, Olive Green**

**W = Width**  
**NF = National Fine Thread**

Part No.	Length (L)	Width (W)	Thickness (T)	Screw Thread	Screw Type
FU2503	$\frac{1\frac{1}{2}}{2}$ "	$\frac{7}{16}$ "	-.014"	No. 6 N.F.	Threaded
FU2505	$\frac{3}{4}$ "	$\frac{1}{2}$ "	-.016"	No. 10 N.F.	Threaded
FU2508	$1\frac{1}{2}$ "	$\frac{3}{8}$ "	-.044"	$\frac{7}{16}$ " x 10 Acme	Threaded
FU2524	-.463"	$\frac{1\frac{1}{2}}{8}$ "	-.020"	No. 8	Self Tapping
FU2529	$\frac{1\frac{1}{2}}{8}$ "	$\frac{1\frac{1}{2}}{8}$ "	-.020"	No. 8	Self Tapping
FU2543	$\frac{3}{8}$ "	$\frac{7}{16}$ "	-.020"	No. 6	Self Tapping
FU2543/9	$\frac{3}{8}$ "	$\frac{7}{16}$ "	-.020"	No. 6	Self Tapping
FU2544	$\frac{3}{8}$ "	$\frac{7}{16}$ "	-.020"	No. 8	Self Tapping
FU2544/9	$\frac{3}{8}$ "	$\frac{7}{16}$ "	-.024"	No. 8	Self Tapping
FU2545	$\frac{3}{4}$ "	$\frac{1}{2}$ "	-.028"	No. 10	Self Tapping
FU2545/9	$\frac{3}{4}$ "	$\frac{1}{2}$ "	-.028"	No. 10	Self Tapping
FU2546	1"	$\frac{1\frac{1}{2}}{8}$ "	-.032"	No. 12	Self Tapping
FU2549	$\frac{1\frac{1}{2}}{8}$ "	$\frac{1}{2}$ "	-.028"	No. 10	Self Tapping
FU2553	-.462"	$\frac{7}{16}$ "	-.022"	No. 6	Self Tapping
FU2554	$\frac{7}{16}$ "	$\frac{1}{2}$ "	-.024"	No. 8	Self Tapping
FU2555	$\frac{3}{4}$ "	$\frac{1}{2}$ "	-.020"	No. 10 N.F.	Threaded
FU2557	$\frac{1\frac{1}{2}}{8}$ "	$\frac{3}{8}$ "	-.024"	$\frac{1}{4}$ " N.C.	Threaded
FU2563/9	$\frac{3\frac{1}{2}}{8}$ "	$\frac{1}{2}$ "	-.020"	No. 6	Self Tapping
FU2564	$\frac{1\frac{1}{2}}{8}$ "	$\frac{7}{16}$ "	-.024"	No. 8	Self Tapping
FU2564/9	$\frac{1\frac{1}{2}}{8}$ "	$\frac{7}{16}$ "	-.024"	No. 8	Self Tapping
FU2565	$\frac{2\frac{1}{2}}{8}$ "	$\frac{1\frac{1}{2}}{8}$ "	-.028"	No. 10	Self Tapping
FU2566	$1\frac{1}{2}$ "	$\frac{1\frac{1}{2}}{8}$ "	-.032"	No. 12	Self Tapping
FU2569	$\frac{3\frac{1}{2}}{8}$ "	$\frac{7}{16}$ "	-.028"	No. 8	Self Tapping
FU2578	-.676"	$\frac{7}{16}$ "	-.024"	No. 8	Self Tapping
FU2579	$\frac{1\frac{1}{2}}{8}$ "	$\frac{1\frac{1}{2}}{8}$ "	-.020"	No. 8	Self Tapping
FU2583	$3\frac{1}{2}$ "	$\frac{1}{2}$ "	-.022"	No. 6	Threaded
FU2584	$\frac{1\frac{1}{2}}{8}$ "	$\frac{1\frac{1}{2}}{8}$ "	-.024"	No. 8	Self Tapping
FU2584/9	$\frac{1\frac{1}{2}}{8}$ "	$\frac{1\frac{1}{2}}{8}$ "	-.024"	No. 8	Self Tapping
FU2589/9	$\frac{3\frac{1}{2}}{8}$ "	$\frac{3}{8}$ "	-.028"	No. 10	Self Tapping
FU2594	$\frac{7}{16}$ "	$\frac{1}{2}$ "	-.026"	No. 8	Self Tapping

## FIX NUT — SIMMONDS ACME SNL TYPE



### ABBREVIATIONS

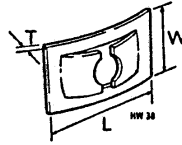
**L = Length**  
**T = Thickness**

**W = Width**

Part No.	Screw Diameter	Length (L)	Width (W)	Thickness (T)
FY3008	$\frac{7}{16}$ "	1.44"	$\frac{3}{8}$ "	-.040"
FY3027	$\frac{1}{2}$ "	1.44"	$\frac{7}{16}$ "	-.036"

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## FIX NUT — SIMMONDS PLATE TYPE



### ABBREVIATIONS

L = Length

W = Width

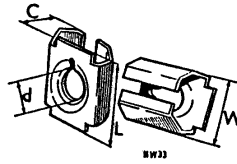
T = Thickness

Suffix /4 to Part No. denotes Chromate Passivated Electro Plated Zinc — Colour, Pale Translucent Yellow

Suffix /9 to Part No. denotes 1 coat of Zinc Chromate paint — Colour, Olive Green

Part No.	Screw Thread	Screw Type	Length (L)	Width (W)	Thickness (T)
FN2002	No. 4 N.F.	Thread	$\frac{11}{16}$ "	$\frac{11}{16}$ "	-.011"
FN2005/9	No. 10 N.F.	Threaded	$\frac{1}{8}$ "	$\frac{1}{8}$ "	-.016"
FN2043	No. 6A/J/Z	Self Tapping	$\frac{11}{16}$ "	$\frac{11}{16}$ "	-.020"
FN2044	No. 8A/J/Z	Self Tapping	$\frac{11}{16}$ "	$\frac{1}{8}$ "	-.024"
FN2044/4	No. 8A/J/Z	Self Tapping	$\frac{11}{16}$ "	$\frac{1}{8}$ "	-.024"
FN2044/9	No. 8A/J/Z	Self Tapping	$\frac{11}{16}$ "	$\frac{1}{8}$ "	-.024"
FN2045	No. 10 A/J	Self Tapping	$\frac{11}{16}$ "	$\frac{11}{16}$ "	-.028"
FN2045/9	No. 10 A/J	Self Tapping	$\frac{11}{16}$ "	$\frac{11}{16}$ "	-.028"
FN2046	No. 12 A/J	Self Tapping	$\frac{11}{16}$ "	$\frac{11}{16}$ "	-.032"
FN2059/9	$\frac{1}{2}$ " x 12 Acme	Threaded	$\frac{11}{16}$ " (-980")	$\frac{1}{8}$ "	-.036"

## FIX NUT — SIMMONDS SNO TYPE



### ABBREVIATIONS

d = Stud diameter

L = Length

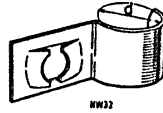
W = Width

C = Height

Suffix /9 to Part No. denotes Chromate Paint — Colour, Olive Green

Part No.	Stud Diam. (d)	Length (L)	Width (W)	Height (C)
FC2803	No. 6A	$\frac{7}{16}$ "	$\frac{11}{16}$ "	$\frac{1}{4}$ "
FC2804	No. 8A	$\frac{11}{16}$ "	$\frac{7}{16}$ "	-.272"
FC2805	No. 10 A/J	$\frac{7}{16}$ "	-.539"	$\frac{11}{16}$ "
FC2805/9	No. 10 A/J	$\frac{7}{16}$ "	-.539"	$\frac{11}{16}$ "

## FIX NUT — SIMMONDS SNB SINGLE CABLE CLIP

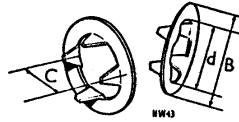


### ABBREVIATIONS

d = cable diameter

Part No.	Cable Diam. (d)	For Screw (S/T)	Part No.	Cable Diam. (d)	For Screw S/T
FB2654	$\frac{1}{2}$ "	No. 8J	FB2661	$\frac{1}{2}$ "	No. 8J
FB2657	$\frac{1}{4}$ "	No. 8J	FB2663	$\frac{3}{8}$ "	No. 8J
FB2658	$\frac{7}{16}$ "	No. 8J	FB2664	$\frac{3}{4}$ "	No. 8J
FB2659	$\frac{3}{8}$ "	No. 8J	FB2666	1"	No. 8J

## CLIP — SIMMONDS SPECIAL TUBULAR TYPE



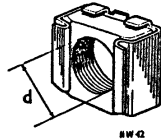
### ABBREVIATIONS

B = Outside Diameter  
C = Claw diameter

d = Inside diameter

Part No.	To suit Shaft Diameter	Outside Diameter (B)	Inside Diameter (d)	Diameter across Claws (c)
FT2902	-196°/200°	$\frac{3}{8}$ "	-200°/202°	-169°/173°
FT2904	-122°/125°	$\frac{3}{16}$ "	-127°	-103°
FT2906	-245°/250°	$\frac{1}{2}$ "	-252°	-217°
FT2908	-186°/189°	$\frac{3}{8}$ "	-189°	-160°

## NUT RETAINER — SIMMONDS SPIRE SPEED GRIP TYPE



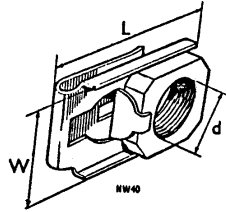
### ABBREVIATIONS

d = Stud Diameter  
NF = National Fine Thread  
NC = National Coarse Thread

UNF = Unified Fine Thread  
UNC = Unified Coarse Thread

Part No.	Stud Diameter (d)	Panel Thickness	Part No.	Stud Diameter (d)	Panel Thickness
FS2701	No. 10 N.F.	.028"/.064"	FS2751	No. 10 N.F.	.072"/.104"
FS2702	$\frac{1}{4}$ " N.F.		FS2752	$\frac{1}{4}$ " N.F.	
FS2704	$\frac{7}{16}$ " N.F.		FS2754	$\frac{7}{16}$ " N.F.	
FS2705	No. 6 N.C.		FS2756	$\frac{3}{8}$ " N.F.	
FS2706	$\frac{3}{8}$ " N.F.		FS2758	No. 8 U.N.C.	
FS2708	No. 8 U.N.F.				

### NUT RETAINER — SIMMONDS 'J' TYPE



#### ABBREVIATIONS

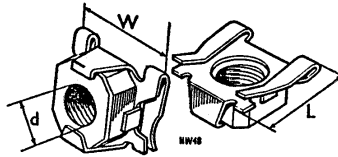
d = Stud diameter  
W = Width

L = Length

Suffix /4 to Part No. denotes Chromate Passivated Electro Plated Zinc — Colour, Pale Translucent Yellow

Part No.	Stud Diam. (d)	Length (L)	Width (W)
FQ3404	No. 10 U.N.F.	$\frac{11}{16}$ "	$\frac{1}{8}$ "
FQ3404/4	No. 10 U.N.F.	$\frac{11}{16}$ "	$\frac{1}{8}$ "
FQ3405	$\frac{1}{4}$ " U.N.F.	$\frac{11}{16}$ "	$\frac{1}{8}$ "
FQ3406	$\frac{3}{8}$ " U.N.F.	1 $\frac{1}{16}$ "	$\frac{11}{16}$ "
FQ3407	$\frac{1}{2}$ " U.N.F.	1 $\frac{1}{16}$ "	$\frac{11}{16}$ "

### NUT RETAINER — SIMMONDS SHORT REACH 'J' TYPE



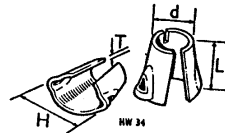
#### ABBREVIATIONS

d = Diameter  
L = Length

W = Width  
UNF = Unified Fine Thread

Part No.	Stud Diameter (d)	Length (L)	Width (W)
FZ3404/4	No. 10 U.N.F.	$\frac{1}{2}$ "	$\frac{3}{8}$ "
FZ3405	$\frac{1}{4}$ " U.N.F.	$\frac{1}{2}$ "	$\frac{3}{8}$ "
FZ3406	$\frac{3}{8}$ " U.N.F.	$\frac{1}{2}$ "	$\frac{3}{8}$ "
FZ3407	$\frac{1}{2}$ " U.N.F.	$\frac{1}{2}$ "	$\frac{3}{8}$ "
FZ3408	No. 10 U.N.F.	.580"/.620"	$\frac{3}{8}$ "

### FIX — SIMMONDS REMOVABLE TUBE TYPE



#### ABBREVIATIONS

d = Stud diameter  
L = Length

H = Head diameter  
T = Thickness

Part No.	Stud Diam. (d)	Panel Gauge	Head Diam. (H)	Length (L)	Thickness (T)
FG1307	$\frac{1}{4}$ "	20SWG	.350"	$\frac{11}{16}$ "	.040"

### FIX — SIMMONDS LOCK TUBE TYPE



#### ABBREVIATIONS

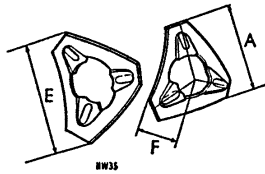
d = Stud diameter  
L = Length

H = Head diameter

Suffix /9 to Part No. denotes 1 coat of Zinc Chromate paint — Colour, Olive Green

Part No.	Nominal Head Diam. (H)	Length (L)	Panel Gauge	Stud Diam. (d)
FL1402	$\frac{7}{8}$ "	$\frac{1}{2}$ "	20 SWG	$\frac{1}{8}$ "
FL1405/9	$\frac{1}{2}$ "	$\frac{1}{4}$ "	20 SWG	$\frac{7}{16}$ "
FL1445/9	$\frac{1}{2}$ "	$\frac{1}{4}$ "	16 SWG	$\frac{7}{16}$ "

### FIX — SALTERS TRIANGULAR SELF LOCKING RING TYPE



#### ABBREVIATIONS

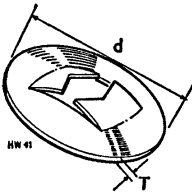
A = Dimension across flats

E = Dimension across points

F = Dimension to centre of hole

Part No.	Stud Diameter	Thickness	Dimension (A)	Dimension (E)	Dimension (F)
FH3152	$\frac{1}{8}$ "	-.015"	$\frac{7}{16}$ "	$\frac{3}{8}$ "	$\frac{3}{16}$ "
FH3155	$\frac{1}{16}$ "	-.015"	$\frac{11}{16}$ "	$\frac{1}{2}$ "	$\frac{1}{8}$ "

### FIX — SIMMONDS ROUND TYPE



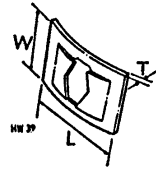
#### ABBREVIATIONS

d = Diameter

T = Thickness

Part No.	Stud Diameter	Diam. (d)	Thickness (T)
FR1202	$\frac{1}{8}$ "	$\frac{3}{8}$ "	-.014"
FR1205	$\frac{1}{16}$ "	$\frac{1}{2}$ "	-.015"

### FIX — SPIRE — SIMMONDS PLATE TYPE



#### ABBREVIATIONS

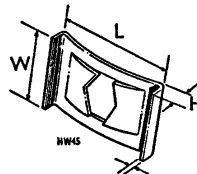
L = Length  
T = Thickness

W = Width

Suffix /9 to Part No. denotes 1 coat Zinc Chromate paint — Colour, Olive Green

Part No.	Length (L)	Width (W)	Thickness (T)	Stud Diameter
FP1002	$\frac{1}{2}''$	$\frac{1}{16}''$	-014"	$\frac{1}{8}''$
FP1004	$\frac{3}{8}''$	$\frac{1}{8}''$	-015"	$\frac{3}{16}''$
FP1005	$\frac{1}{2}''$	$\frac{1}{8}''$	-015"	$\frac{1}{16}''$
FP1007	$\frac{3}{4}''$	$\frac{1}{4}''$	-016"	$\frac{1}{8}''$
FP1012	$\frac{1}{2}''$	$\frac{1}{8}''$	-016"	$\frac{1}{8}''$
FP1012/9	$\frac{1}{2}''$	$\frac{1}{8}''$	-016"	$\frac{1}{8}''$
FP1051	$\frac{3}{8}''$	$\frac{1}{8}''$	-014"	$\frac{3}{16}''$
FP1052/9	$\frac{1}{2}''$	$\frac{1}{8}''$	-016"	$\frac{1}{8}''$

### FIX — SIMMONDS TURNED END TYPE



#### ABBREVIATIONS

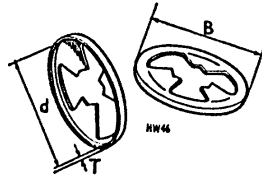
L = Length  
W = Width

H = Height  
T = Thickness

Part No.	Length (L)	Width (W)	Height (H)	Thickness (T)	Stud Diameter
FW1105	$\frac{3}{8}''$	$\frac{1}{16}''$	$\frac{3}{16}''$	-015"	$\frac{1}{8}''$
FW1155/9	1"	$\frac{3}{8}''$	$\frac{3}{16}''$	-018"	$\frac{3}{16}''$
FW1107	$\frac{3}{4}''$	$\frac{1}{2}''$	$\frac{3}{16}''$	-016"	$\frac{1}{8}''$
FW1109	1"	$\frac{3}{8}''$	$\frac{3}{16}''$	-018"	$\frac{3}{16}''$



## FIX — SIMMONDS ROUND TYPE



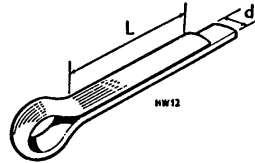
### ABBREVIATIONS

**B = Outside Diameter**  
**T = Thickness**

**d = Inside Diameter**

Part No.	Stud Diameter	Outside Diameter (B)	Inside Diameter (d)	Thickness (T)
FX3203	$\frac{3}{16}''$	$\frac{7}{16}''$	$.487''$	$.018''$

## PIN — COTTER (SPLIT)



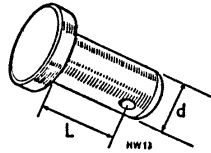
### ABBREVIATIONS

**d = Diameter**

**L = Length**

Part No.	Diam. (d)	Length (L)	Part No.	Diam. (d)	Length (L)
PC0005	$\frac{1}{16}''$	$\frac{7}{16}''$	PC0035	$\frac{3}{16}''$	$\frac{3}{4}''$
PC0007	$\frac{1}{16}''$	$\frac{1}{2}''$	PC0036	$\frac{3}{16}''$	1"
PC0008	$\frac{1}{16}''$	$\frac{3}{4}''$	PC0037	$\frac{1}{4}''$	$1\frac{1}{4}''$
PC0009	$\frac{3}{32}''$	$\frac{3}{4}''$	PC0038	$\frac{7}{32}''$	$1\frac{1}{2}''$
PC0010	$\frac{3}{32}''$	$\frac{1}{2}''$	PC0039	$\frac{3}{16}''$	$\frac{3}{4}''$
PC0011	$\frac{3}{32}''$	1"	PC0040	$\frac{3}{16}''$	$1\frac{3}{4}''$
PC0012	$\frac{1}{8}''$	$1\frac{1}{4}''$	PC0041	$\frac{3}{16}''$	$\frac{3}{4}''$
PC0013	$\frac{1}{8}''$	$1\frac{1}{2}''$	PC0042	$\frac{7}{32}''$	$\frac{3}{4}''$
PC0014	$\frac{1}{8}''$	$1\frac{3}{4}''$	PC0043	$\frac{1}{4}''$	$\frac{3}{4}''$
PC0015	$\frac{1}{8}''$	$1\frac{3}{4}''$	PC0044	$\frac{1}{4}''$	$1\frac{1}{2}''$
PC0016	$\frac{1}{8}''$	$1\frac{3}{4}''$	PC0045	$\frac{1}{4}''$	$1\frac{1}{2}''$
PC0017	$\frac{1}{8}''$	$\frac{3}{4}''$	PC0046	$\frac{1}{8}''$	$\frac{1}{2}''$
PC0018	$\frac{3}{16}''$	$1\frac{1}{4}''$	PC0047	$\frac{1}{8}''$	$\frac{3}{4}''$
PC0019	$\frac{1}{8}''$	$\frac{3}{4}''$	PC0048	$\frac{3}{16}''$	$\frac{3}{4}''$
PC0020	$\frac{1}{8}''$	1"	PC0049	$\frac{3}{16}''$	1"
PC0021	$\frac{3}{16}''$	$1\frac{1}{4}''$	PC0050	$\frac{1}{8}''$	$\frac{3}{4}''$
PC0022	$\frac{3}{16}''$	$1\frac{1}{4}''$	PC0051	$\frac{1}{8}''$	$\frac{3}{4}''$
PC0025	$\frac{3}{16}''$	$2\frac{1}{4}''$	PC0052	$\frac{1}{8}''$	$1\frac{1}{4}''$
PC0028	$\frac{1}{8}''$	$2\frac{1}{4}''$	PC0053	$\frac{1}{8}''$	$1\frac{1}{4}''$
PC0030	$\frac{1}{8}''$	$2\frac{3}{4}''$	PC0054	$\frac{3}{16}''$	$\frac{7}{8}''$
PC0033	$\frac{1}{8}''$	$\frac{3}{4}''$	PC0055	$\frac{1}{8}''$	$2\frac{1}{4}''$
PC0034	$\frac{3}{16}''$	$\frac{1}{2}''$			

## PIN — JOINT



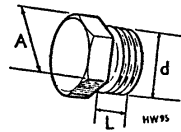
d = Diameter

### ABBREVIATIONS

L = Length

Part No.	Diam. (d)	Length (L)	Use with Cotter Pin	Use with Washer
PJ8502	$\frac{1}{8}$ "	$\frac{1}{2}$ "	PC0005	WP0005
PJ8503	$\frac{1}{8}$ "	$\frac{3}{4}$ "	PC0005	WP0005
PJ8504	$\frac{1}{8}$ "	$\frac{1}{2}$ "	PC0005	WP0005
PJ8505	$\frac{1}{8}$ "	$\frac{3}{4}$ "	PC0005	WP0005
PJ8506	$\frac{1}{8}$ "	$\frac{1}{2}$ "	PC0005	WP0005
PJ8507	$\frac{1}{8}$ "	$\frac{3}{4}$ "	PC0005	WP0005
PJ8704	$\frac{1}{4}$ "	$\frac{1}{2}$ "	PC0007	WP0007
PJ8706	$\frac{1}{4}$ "	$\frac{1}{2}$ "	PC0007	WP0007
PJ8708	$\frac{1}{4}$ "	$\frac{1}{2}$ "	PC0007	WP0007
PJ8709	$\frac{1}{4}$ "	$\frac{1}{2}$ "	PC0007	WP0007
PJ8711	$\frac{1}{4}$ "	$\frac{1}{2}$ "	PC0007	WP0007
PJ8712	$\frac{1}{4}$ "	$\frac{1}{2}$ "	PC0007	WP0007
PJ8717	$\frac{1}{4}$ "	$1\frac{1}{8}$ "	PC0007	WP0007
PJ8718	$\frac{1}{4}$ "	$1\frac{1}{2}$ "	PC0007	WP0007
PJ8719	$\frac{1}{4}$ "	$1\frac{1}{8}$ "	PC0007	WP0007
PJ8806	$\frac{3}{8}$ "	$\frac{1}{2}$ "	PC0009	WP0008
PJ8808	$\frac{3}{8}$ "	$\frac{1}{2}$ "	PC0009	WP0008
PJ8809	$\frac{3}{8}$ "	$\frac{1}{2}$ "	PC0009	WP0008
PJ8810	$\frac{3}{8}$ "	$\frac{1}{2}$ "	PC0009	WP0008
PJ8811	$\frac{3}{8}$ "	$\frac{1}{2}$ "	PC0009	WP0008
PJ8812	$\frac{3}{8}$ "	$\frac{1}{2}$ "	PC0009	WP0008
PJ8815	$\frac{3}{8}$ "	$1\frac{1}{8}$ "	PC0009	WP0008
PJ8819	$\frac{3}{8}$ "	$1\frac{1}{8}$ "	PC0009	WP0008
PJ8832	$\frac{3}{8}$ "	$2\frac{1}{2}$ "	PC0009	WP0008
PJ8919	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	PC0009	WP0009
PJ8927	$\frac{1}{2}$ "	$1\frac{3}{4}$ "	PC0009	WP0009
PJ8944	$\frac{1}{2}$ "	$2\frac{3}{4}$ "	PC0009	WP0009
PJ9012	$\frac{5}{8}$ "	$\frac{3}{4}$ "	PC0010	WP0010
PJ9113	$\frac{1}{2}$ "	$\frac{3}{4}$ "	PC0012	WP0011
PJ9444	$\frac{1}{2}$ "	$2\frac{3}{4}$ "	PC0014	WP0014

## PLUG — BRASS



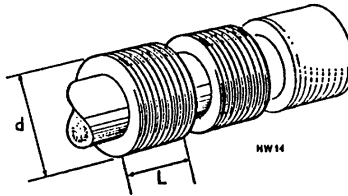
d = Thread Diameter  
A = Across Flats

### ABBREVIATIONS

L = Thread Length  
NF = National Fine Thread

Part No.	Thread Diameter (d)	Thread Length (L)	Across Flats (A)
SP68B	$\frac{1}{2}$ " GAS	$\frac{1}{2}$ "	$\frac{1}{2}$ "
SP68D	$\frac{1}{2}$ " GAS	$\frac{7}{8}$ "	$\frac{1}{2}$ "
SP68J	$\frac{1}{2}$ " GAS	$\frac{3}{4}$ "	$\frac{7}{8}$ "
V7535	$\frac{1}{2}$ " N.F.	$\frac{1}{2}$ "	.798"

### PLUG — CORE — SCREWED

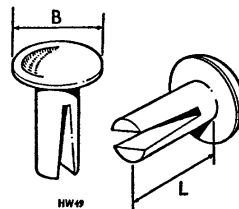


d = Diameter  
 NF = National Fine Thread  
 NC = National Coarse Thread  
 GAS = Gas Thread

L = Length  
 UNF = Unified Fine Thread  
 UNC = Unified Coarse Thread  
 BSF = British Standard Fine Thread

Part No.	Diam. (d)	Length (L)	Part No.	Diam. (d)	Length (L)
PS0804	$\frac{1}{8}$ " N.F.	$\frac{1}{2}$ "	PU0502	No. 10 U.N.F.	$\frac{1}{2}$ "
PS0954	$\frac{1}{4}$ " N.C.	$\frac{1}{2}$ "	PU0753	$\frac{1}{4}$ " U.N.C.	$\frac{3}{4}$ "
PS1004	$\frac{7}{16}$ " N.F.	$\frac{1}{2}$ "	PU0804	$\frac{7}{16}$ " U.N.F.	$\frac{1}{2}$ "
PS1103	$\frac{1}{2}$ " N.F.	$\frac{3}{4}$ "	PU0902	$\frac{3}{8}$ " U.N.F.	$\frac{1}{2}$ "
PS1203	$\frac{5}{8}$ " N.F.	$\frac{3}{4}$ "	PU1203	$\frac{7}{16}$ " U.N.F.	$\frac{3}{4}$ "
PS1503	$\frac{3}{4}$ " N.F.	$\frac{3}{4}$ "	PU1404	$\frac{3}{4}$ " U.N.F.	$\frac{1}{2}$ "
PS1505	$\frac{7}{8}$ " N.F.	$\frac{3}{4}$ "	PU1405	$\frac{3}{4}$ " U.N.F.	$\frac{3}{4}$ "
PS1507	$\frac{7}{8}$ " N.F.	$\frac{7}{8}$ "	PU1503	$\frac{7}{8}$ " U.N.F.	$\frac{3}{4}$ "
PS1603	1" N.F.	$\frac{3}{4}$ "	PU1605	1" U.N.F.	$\frac{3}{4}$ "
SP69B	$\frac{1}{2}$ " GAS	$\frac{1}{2}$ "	SP69W	$\frac{1}{2}$ " B.S.F.	$\frac{3}{4}$ "
SP69C1	$\frac{3}{8}$ " GAS	$\frac{3}{4}$ "	SP69W1	$\frac{1}{2}$ " B.S.F.	$\frac{3}{4}$ "
			SP70C	$\frac{3}{8}$ " GAS	$\frac{3}{4}$ "

### RIVET — BIFURCATED



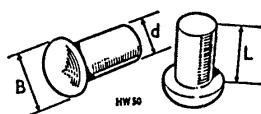
ABBREVIATIONS

d = Shank Diameter  
 L = Length

B = Head Diameter

Part No.	Shank Diameter (d)	Head Diameter (B)	Length (L)	Head
RB5406	-121°/-117°	-218"	$\frac{3}{8}$ "	Ordinary Oval
RB5504	-155°/-150°	-313"	$\frac{1}{2}$ "	Ordinary Oval
RB5508	-155°/-150°	-313"	$\frac{1}{2}$ "	Ordinary Oval
RB5510	-155°/-150°	-313"	$\frac{3}{4}$ "	Ordinary Oval
RB6509	-155°/-150°	-406"	$\frac{7}{16}$ "	Large Oval
RB5608	-200°/-195°	-375"	$\frac{1}{2}$ "	Ordinary Oval
SP92BE4	$\frac{1}{2}$ "		$\frac{3}{8}$ "	Ordinary Oval
SP92BE2	$\frac{3}{16}$ "		$\frac{3}{8}$ "	Ordinary Oval
SP92BE6	$\frac{7}{16}$ "		$\frac{3}{8}$ "	Ordinary Oval
SP92EE4	$\frac{1}{2}$ "	$\frac{1}{16}$ "	$\frac{3}{8}$ "	Ordinary Oval

## RIVET — ROUND HEAD



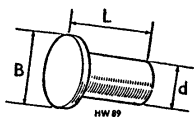
### ABBREVIATIONS

d = Shank Diameter  
B = Head Diameter

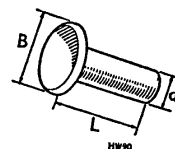
L = Length

Part No.	Shank Diameter (d)	Head Diameter (B)	Length (L)
RR0606	$\frac{3}{16}$ "	$\frac{3}{16}$ "	$\frac{3}{8}$ "
RR0607	$\frac{1}{4}$ "	$\frac{3}{16}$ "	$\frac{7}{16}$ "
SP91A2	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{3}{8}$ "
SP91B1	$\frac{3}{16}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "
SP91B2	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "
SP91B3	$\frac{3}{16}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "
SP91C1	$\frac{3}{16}$ "	$\frac{3}{8}$ "	$\frac{7}{16}$ "
SP91C2	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{7}{16}$ "
SP91C3	$\frac{3}{16}$ "	$\frac{3}{8}$ "	$\frac{7}{16}$ "
SP91D2	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{7}{16}$ "
SP91E4	$\frac{3}{16}$ "	$\frac{3}{8}$ "	$\frac{7}{16}$ "
SP91F4	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "
SP91G2	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "
SP91G4	$\frac{3}{16}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "
SP91G6	$\frac{1}{4}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "
SP91H6	$\frac{1}{4}$ "	$\frac{7}{16}$ "	$\frac{3}{4}$ "
SP91K6	$\frac{1}{4}$ "	$\frac{7}{16}$ "	$1$ "

## RIVET — FLAT HEAD



The above Dimensions apply when rivets are not made to BSS641.



The above Dimensions apply when rivets are made to BSS641.

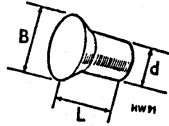
### ABBREVIATIONS

B = Head Diameter  
(d) = Shank Diameter

L = Length

Part No.	Shank Diam. (d)	Head Diam. (B) for Rivets not to BSS641	Head Diam. (B) for Rivets made to BSS641	Length (L)
SP92AB4	$\frac{3}{16}$ "	$\frac{3}{16}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "
SP92AC2	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{7}{16}$ "
SP92AD6	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "
SP92AE6	$\frac{1}{4}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "	$\frac{7}{16}$ "
SP92AG6	$\frac{1}{4}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "	$\frac{1}{2}$ "
SP92AP6	$\frac{1}{4}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "	$\frac{7}{16}$ "

### RIVET — COUNTERSUNK — 90°

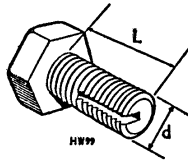


#### ABBREVIATIONS

d = Shank Diameter      B = Head Diameter  
L = Length

Part No.	Shank Diameter (d)	Head Diameter (B)	Length (L)
SP92A2	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{7}{16}$ "
SP92C4	$\frac{3}{16}$ "	$\frac{1}{2}$ "	$\frac{7}{16}$ "

### SCREW — HEXAGON HEAD — THREAD CUTTING (Barber and Colman Type I)

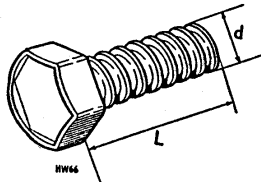


#### ABBREVIATIONS

d = Diameter      L = Length  
UNF = Unified Fine Thread

Part No.	Diam. (d)	Length (L)	Part No.	Diam. (d)	Length (L)
BT7510	No. 10 U.N.F.	$\frac{1}{2}$ "	BT7712	$\frac{1}{4}$ " U.N.F.	$\frac{1}{2}$ "
BT7708	$\frac{1}{4}$ " U.N.F.	$\frac{1}{2}$ "	BT7714	$\frac{1}{4}$ " U.N.F.	$\frac{3}{4}$ "
BT7710	$\frac{1}{4}$ " U.N.F.	$\frac{1}{2}$ "	BT7810	$\frac{7}{16}$ " U.N.F.	$\frac{1}{2}$ "
			BT7822	$\frac{7}{16}$ " U.N.F.	$1\frac{1}{8}$ "

### SCREW — HEXAGON — ACME THREAD

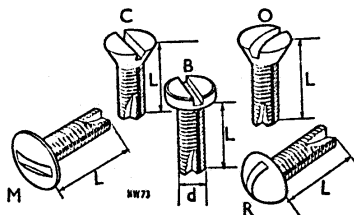


#### ABBREVIATIONS

d = Diameter      L = Length

Part No.	Diameter (d)	Length (L)	Part No.	Diameter (d)	(L) Length
UL2704	$\frac{1}{4}$ "	$\frac{1}{2}$ "	UL2708	$\frac{1}{4}$ "	1"
UL2705	$\frac{1}{4}$ "	$\frac{3}{4}$ "	UL2721	$\frac{1}{4}$ "	$1\frac{1}{16}$ "
UL2706	$\frac{1}{4}$ "	$\frac{1}{2}$ "	UL2806	$\frac{3}{16}$ "	$\frac{3}{4}$ "

## SCREW — THREAD CUTTING — BARBER AND COLMAN TYPE 23

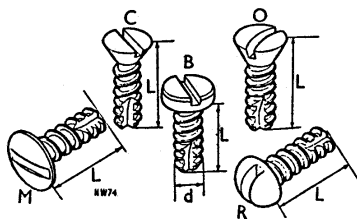


### ABBREVIATIONS

**d = Diameter**  
**B = Pan Head**  
**M = Mushroom Head**  
**R = Round Head**  
**L = Length**  
**C = Flat Countersunk Head**  
**O = Oval Countersunk Head**

Part No.	Diameter (d)	Length (L)	Head Type
YL5306	No. 6 N.F.	$\frac{3}{8}$ "	B
YL5308	No. 6 N.F.	$\frac{1}{2}$ "	B
YL5508	No. 10 N.F.	$\frac{1}{2}$ "	B
YL5510	No. 10 N.F.	$\frac{3}{4}$ "	B
YL5514	No. 10 N.F.	$\frac{7}{8}$ "	B
YL6708	$\frac{1}{4}$ " N.F.	$\frac{1}{2}$ "	C
YL6712	$\frac{1}{2}$ " N.F.	$\frac{3}{4}$ "	C
YL6714	$\frac{1}{4}$ " N.F.	$\frac{7}{8}$ "	C

## SCREW — THREAD CUTTING — BARBER AND COLMAN TYPE 25

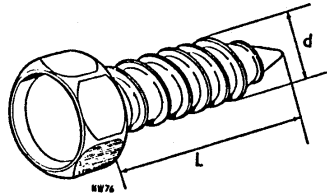


### ABBREVIATIONS

**d = Diameter**  
**B = Pan Head**  
**M = Mushroom Head**  
**R = Round Head**  
**L = Length**  
**C = Flat Countersunk Head**  
**O = Oval Countersunk Head**

Part No.	Diameter (d)	Length (L)	Head Type
YM0103	No. 4	$\frac{3}{16}$ "	B
YM0106	No. 4	$\frac{1}{4}$ "	B
YM0304	No. 6	$\frac{1}{4}$ "	B
YM0308	No. 6	$\frac{1}{2}$ "	B
YM0508	No. 10	$\frac{1}{2}$ "	B
YM0712	$\frac{1}{2}$ "	$\frac{3}{4}$ "	B
YM2103	No. 3	$\frac{7}{16}$ "	M
YM2305	No. 6	$\frac{1}{16}$ "	M
YM3108	No. 4	$\frac{1}{2}$ "	O
YM4104	No. 4	$\frac{1}{2}$ "	R

### SCREW — SPIRE SPEED — HEXAGON HEAD



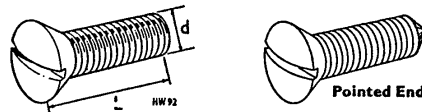
#### ABBREVIATIONS

d = Diameter  
A = 'A' Type Thread

L = Length  
J = 'J' Type Thread

Part No.	Diameter (d)	Length (L)	Thread Type
YT3704	No. 14	$\frac{1}{2}$ "	A
YT3706	No. 14	$\frac{3}{4}$ "	A
YT3707	No. 14	$\frac{1}{2}$ "	A
YT3711	No. 14	$1\frac{1}{2}$ "	A
YT3806	$\frac{1}{16}$ "	$\frac{3}{4}$ "	A
YT3807	$\frac{3}{16}$ "	$\frac{3}{4}$ "	A
YT3809	$\frac{1}{8}$ "	$1\frac{1}{2}$ "	A
YT3812	$\frac{3}{16}$ "	$1\frac{1}{2}$ "	A
YT5708/P	No. 14	1"	J

### SCREW — RAISED HEAD — OVAL COUNTERSUNK (90°)



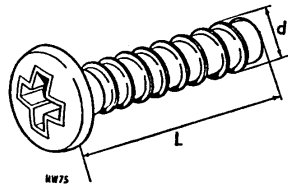
#### ABBREVIATIONS

d = Diameter  
L = Length

B.A. = British Association Thread  
Suffix /P denotes Pointed End

Part No.	Diam. (d)	Length (L)
SP114BO	4 B.A.	$\frac{1}{2}$ "
SP114EIP	2 B.A.	$\frac{3}{4}$ "

### SCREW — SIMMONDS SPIRE SPEED TYPE



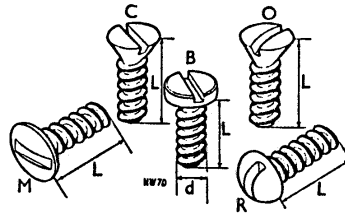
#### ABBREVIATIONS

d = Diameter

L = Length

Part No.	Diameter (d)	Length (L)	Head Type
YS3586	No. 10	$\frac{1}{2}$ "	R (round)

**SCREW — G.K.N. — PARKER KALON 'J' TYPE**  
**(For use with Simmonds Fix Nuts)**



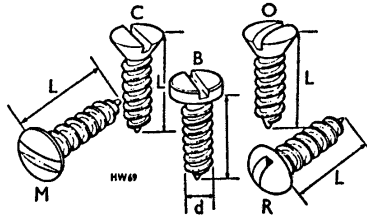
**ABBREVIATIONS**

- |                                  |                                  |
|----------------------------------|----------------------------------|
| <b>B = Pan Head</b>              | <b>O = Oval Countersunk Head</b> |
| <b>C = Flat Countersunk Head</b> | <b>R = Round Head</b>            |
| <b>M = Mushroom Head</b>         | <b>d = Diameter</b>              |
| <b>L = Length</b>                |                                  |

Part No.	Diameter (d)	Length (L)	Head Type
YJ2182	No. 10	$\frac{1}{2}$ "	R
YJ2303	No. 6	$\frac{3}{8}$ "	B
YJ2304	No. 6	$\frac{1}{2}$ "	B
YJ2323	No. 6	$\frac{3}{8}$ "	C
YJ2324	No. 6	$\frac{1}{2}$ "	C
YJ2342	No. 6	$\frac{1}{2}$ "	M
YJ2363	No. 6	$\frac{3}{8}$ "	O
YJ2383	No. 6	$\frac{3}{8}$ "	R
YJ2402	No. 8	$\frac{1}{2}$ "	B
YJ2403	No. 8	$\frac{3}{8}$ "	B
YJ2404	No. 8	$\frac{1}{2}$ "	B
YJ2424	No. 8	$\frac{1}{2}$ "	C
YJ2425	No. 8	$\frac{3}{8}$ "	C
YJ2443	No. 8	$\frac{3}{8}$ "	M
YJ2444	No. 8	$\frac{1}{2}$ "	M
YJ2464	No. 8	$\frac{1}{2}$ "	O
YJ2483	No. 8	$\frac{3}{8}$ "	R
YJ2484	No. 8	$\frac{1}{2}$ "	R
YJ2488	No. 8	1"	R
YJ2503	No. 10	$\frac{3}{8}$ "	B
YJ2504	No. 10	$\frac{1}{2}$ "	B
YJ2505	No. 10	$\frac{3}{8}$ "	B
YJ2506	No. 10	$\frac{3}{8}$ "	B
YJ2526	No. 10	$\frac{3}{8}$ "	C
YJ2543	No. 10	$\frac{3}{8}$ "	M
YJ2544	No. 10	$\frac{1}{2}$ "	M
YJ2545	No. 10	$\frac{3}{8}$ "	M
YJ2546	No. 10	$\frac{3}{8}$ "	M
YJ2552	No. 10	$1\frac{1}{2}$ "	M
YJ2565	No. 10	$\frac{3}{8}$ "	O
YJ2586	No. 10	$\frac{3}{8}$ "	R
YJ2604	No. 12	$\frac{1}{2}$ "	B
YJ2644	No. 12	$\frac{1}{2}$ "	M
YJ2645	No. 12	$\frac{3}{8}$ "	M
YJ2684	No. 12	$\frac{1}{2}$ "	R
YJ2685	No. 12	$\frac{3}{8}$ "	R



## SCREW — SELF TAPPING 'A' TYPE



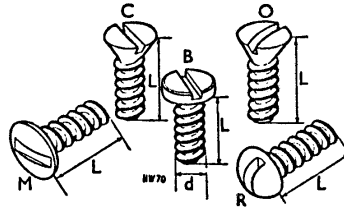
### ABBREVIATIONS

**B** = Pan Head  
**C** = Flat Countersunk Head  
**O** = Oval Countersunk Head  
**L** = Length

**M** = Mushroom Head  
**R** = Round Head  
**d** = Diameter

Part No.	Diam. (d)	Length (L)	Head Type	Part No.	Diam. (d)	Length (L)	Head Type
YA0002	No. 7	$\frac{1}{2}$ "	B	YA0383	No. 6	$\frac{3}{8}$ "	R
YA0102	No. 4	$\frac{1}{2}$ "	B	YA0384	No. 6	$\frac{1}{2}$ "	R
YA0103	No. 4	$\frac{3}{8}$ "	B	YA0403	No. 8	$\frac{3}{8}$ "	B
YA0104	No. 4	$\frac{1}{2}$ "	B	YA0404	No. 8	$\frac{1}{2}$ "	B
YA0108	No. 4	1"	B	YA0405	No. 8	$\frac{3}{8}$ "	B
YA0123	No. 4	$\frac{3}{8}$ "	C	YA0406	No. 8	$\frac{3}{8}$ "	B
YA0124	No. 4	$\frac{1}{2}$ "	C	YA0410	No. 8	$1\frac{1}{2}$ "	B
YA0127	No. 4	$\frac{3}{8}$ "	C	YA0423	No. 8	$\frac{3}{8}$ "	C
YA0142	No. 4	$\frac{1}{2}$ "	M	YA0424	No. 8	$\frac{1}{2}$ "	C
YA0143	No. 4	$\frac{3}{8}$ "	M	YA0426	No. 8	$\frac{3}{8}$ "	C
YA0163	No. 4	$\frac{3}{8}$ "	O	YA0443	No. 8	$\frac{3}{8}$ "	M
YA0164	No. 4	$\frac{1}{2}$ "	O	YA0444	No. 8	$\frac{1}{2}$ "	M
YA0165	No. 4	$\frac{3}{8}$ "	O	YA0445	No. 8	$\frac{3}{8}$ "	M
YA0166	No. 4	$\frac{3}{8}$ "	O	YA0465	No. 8	$\frac{3}{8}$ "	O
YA0167	No. 4	$\frac{3}{8}$ "	O	YA0466	No. 8	$\frac{3}{8}$ "	O
YA0183	No. 4	$\frac{3}{8}$ "	R	YA0483	No. 8	$\frac{3}{8}$ "	R
YA0184	No. 4	$\frac{1}{2}$ "	R	YA0484	No. 8	$\frac{1}{2}$ "	R
YA0302	No. 6	$\frac{1}{2}$ "	B	YA0503	No. 10	$\frac{3}{8}$ "	B
YA0303	No. 6	$\frac{3}{8}$ "	B	YA0504	No. 10	$\frac{1}{2}$ "	B
YA0304	No. 6	$\frac{1}{2}$ "	B	YA0505	No. 10	$\frac{3}{8}$ "	B
YA0305	No. 6	$\frac{3}{8}$ "	B	YA0507	No. 10	$\frac{3}{8}$ "	B
YA0306	No. 6	$\frac{3}{8}$ "	B	YA0510	No. 10	$1\frac{1}{2}$ "	B
YA0322	No. 6	$\frac{1}{2}$ "	C	YA0526	No. 10	$\frac{3}{8}$ "	C
YA0324	No. 6	$\frac{1}{2}$ "	C	YA0542	No. 10	$\frac{1}{2}$ "	M
YA0325	No. 6	$\frac{3}{8}$ "	C	YA0564	No. 10	$\frac{1}{2}$ "	O
YA0326	No. 6	$\frac{3}{8}$ "	C	YA0565	No. 10	$\frac{3}{8}$ "	O
YA0330	No. 6	$1\frac{1}{2}$ "	C	YA0583	No. 10	$\frac{3}{8}$ "	R
YA0343	No. 6	$\frac{3}{8}$ "	M	YA0584	No. 10	$\frac{1}{2}$ "	R
YA0346	No. 6	$\frac{3}{8}$ "	M	YA0585	No. 10	$\frac{3}{8}$ "	R
YA0364	No. 6	$\frac{1}{2}$ "	O	YA0625	No. 12	$\frac{3}{8}$ "	C
YA0365	No. 6	$\frac{3}{8}$ "	O	YA0644	No. 12	$\frac{1}{2}$ "	M
YA0366	No. 6	$\frac{3}{8}$ "	O	YA0645	No. 12	$\frac{3}{8}$ "	M
YA0368	No. 6	1"	O	YA0785	No. 14	$\frac{3}{8}$ "	R
YA0370	No. 6	$1\frac{1}{2}$ "	O				

## SCREW — SELF TAPPING 'B' TYPE



### ABBREVIATIONS

B = Pan Head

C = Flat Countersunk Head

O = Oval Countersunk Head

L = Length

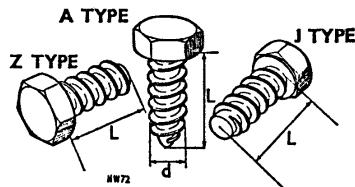
M = Mushroom Head

R = Round Head

d = Diameter

Part No.	Diameter (d)	Length (L)	Head Type
YB1004	No. 7	$\frac{1}{2}$ "	B
YB1102	No. 4	$\frac{1}{2}$ "	B
YB1323	No. 6	$\frac{3}{8}$ "	C
YB1383	No. 6	$\frac{3}{8}$ "	R
YB1403	No. 8	$\frac{3}{8}$ "	B
YB1404	No. 8	$\frac{1}{2}$ "	B
YB1424	No. 8	$\frac{1}{2}$ "	C
YB1483	No. 8	$\frac{3}{8}$ "	R
YB1503	No. 10	$\frac{3}{8}$ "	B
YB1504	No. 10	$\frac{1}{2}$ "	B
YB1565	No. 10	$\frac{3}{8}$ "	O
YB1583	No. 10	$\frac{3}{8}$ "	R
YB1584	No. 10	$\frac{1}{2}$ "	R
YB1603	No. 12	$\frac{3}{8}$ "	B
YB1703	No. 14	$\frac{3}{8}$ "	B
SP123CB6	No. 4	$\frac{1}{2}$ "	C

## SCREW — SELF TAPPING — HEXAGON HEAD



'A' Type — Not suitable for Panels thicker than 18G (.050")

'Z' Type — Not suitable for Panels thicker than 6G (.198")

'J' Type — Are for use with appropriate Simmonds spire nuts

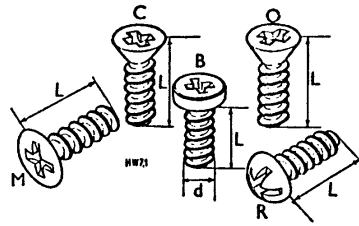
### ABBREVIATIONS

d = Diameter

L = Length

Part No.	Diameter (d)	Length (L)	Thread Type	Part No.	Diameter (d)	Length (L)	Thread Type
YH6403	No. 8	$\frac{1}{2}$ "	A	YH7502	No. 10	$\frac{1}{2}$ "	Z
YH6404	No. 8	$\frac{1}{2}$ "	A	YH7503	No. 10	$\frac{3}{8}$ "	Z
YH6405	No. 8	$\frac{3}{8}$ "	A	YH7505	No. 10	$\frac{3}{8}$ "	Z
YH6504	No. 10	$\frac{1}{2}$ "	A	YH7704	$\frac{1}{2}$ "	$\frac{1}{2}$ "	Z
YH6505	No. 10	$\frac{3}{8}$ "	A	YH8504	No. 10	$\frac{1}{2}$ "	J
YH6506	No. 10	$\frac{3}{8}$ "	A	YH8505	No. 10	$\frac{3}{8}$ "	J
YH6604	No. 12	$\frac{1}{2}$ "	A	YH8506	No. 10	$\frac{3}{8}$ "	J
YH6605	No. 12	$\frac{3}{8}$ "	A	YH8604	No. 12	$\frac{1}{2}$ "	J
YH6704	$\frac{1}{2}$ "	$\frac{1}{2}$ "	A	YH8605	No. 12	$\frac{3}{8}$ "	J
YH7405	No. 8	$\frac{3}{8}$ "	Z	YH8704	$\frac{1}{2}$ "	$\frac{1}{2}$ "	J
YH7406	No. 8	$\frac{3}{8}$ "	Z	YH8706	$\frac{1}{2}$ "	$\frac{3}{8}$ "	J

### SCREW — CROSS RECESS — SIMMONDS 'J' TYPE

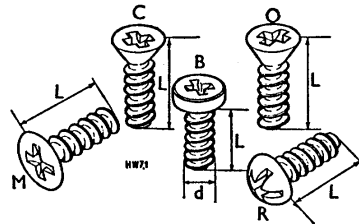


#### ABBREVIATIONS

**B = Pan Head**  
**C = Flat Countersunk Head**  
**M = Mushroom Head**  
**O = Oval Countersunk Head**  
**R = Round Head**  
**d = Diameter**  
**L = Length**

Part No.	Diameter (d)	Length (L)	Head Type
YF7303	No. 6	$\frac{1}{2}$ "	B
YF7304	No. 6	$\frac{3}{4}$ "	B
YF7305	No. 6	$\frac{1}{2}$ "	B
YF7306	No. 6	$\frac{3}{4}$ "	B
YF7403	No. 8	$\frac{1}{2}$ "	B
YF7404	No. 8	$\frac{3}{4}$ "	B
YF7406	No. 8	$\frac{1}{2}$ "	B
YF7503	No. 10	$\frac{3}{4}$ "	B
YF7504	No. 10	$\frac{1}{2}$ "	B
YF7505	No. 10	$\frac{3}{4}$ "	B
YF7506	No. 10	$\frac{3}{4}$ "	B
YF7507	No. 10	$\frac{1}{2}$ "	B
YF7528	No. 10	1"	C
YF7564	No. 10	$\frac{1}{2}$ "	C
YF7604	No. 12	$\frac{1}{2}$ "	B

### SCREW, CROSS RECESS — G.K.N. PARKER KALON 'J' TYPE

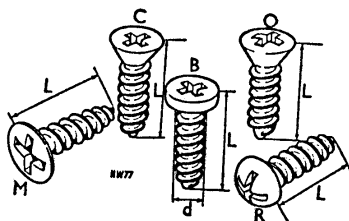


#### ABBREVIATIONS

**d = Diameter**  
**B = Pan Head**  
**M = Mushroom Head**  
**R = Round Head**  
**L = Length**  
**C = Flat Countersunk Head**  
**O = Oval Countersunk Head**

Part No.	Diameter (d)	Length (L)	Head Type
YX5304	No. 6	$\frac{1}{2}$ "	B
YX5305	No. 6	$\frac{3}{4}$ "	B
YX5308	No. 6	1"	B
YX5403	No. 8	$\frac{3}{4}$ "	B
YX5405	No. 8	$\frac{1}{2}$ "	B
YX5407	No. 8	$\frac{3}{4}$ "	B
YX5503	No. 10	$\frac{3}{4}$ "	B
YX5504	No. 10	$\frac{1}{2}$ "	B
YX5505	No. 10	$\frac{3}{4}$ "	B
YX5512	No. 10	1 $\frac{1}{2}$ "	B
YX5543	No. 10	$\frac{3}{4}$ "	M
YX5704	No. 14	$\frac{1}{2}$ "	B

## SCREW — SELF TAPPING — CROSS RECESS 'A' TYPE

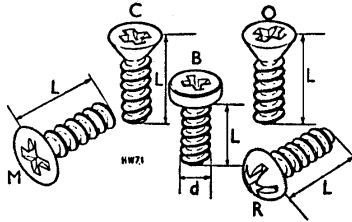


### ABBREVIATIONS

<p>d = Diameter                  B = Pan Head                  M = Mushroom Head                  R = Round Head</p>	<p>L = Length                  C = Flat Countersunk Head                  O = Oval Countersunk Head</p>
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Part No.	Diameter (d)	Length (L)	Head Type
YZ3103	No. 4	$\frac{3}{8}$ "	B
YZ3104	No. 4	$\frac{1}{2}$ "	B
YZ3123	No. 4	$\frac{3}{8}$ "	C
YZ3142	No. 4	$\frac{1}{2}$ "	M
YZ3162	No. 4	$\frac{1}{2}$ "	O
YZ3163	No. 4	$\frac{3}{8}$ "	O
YZ3164	No. 4	$\frac{1}{2}$ "	O
YZ3302	No. 6	$\frac{1}{2}$ "	B
YZ3303	No. 6	$\frac{3}{8}$ "	B
YZ3304	No. 6	$\frac{1}{2}$ "	B
YZ3305	No. 6	$\frac{3}{8}$ "	B
YZ3310	No. 6	$1\frac{1}{2}$ "	B
YZ3324	No. 6	$\frac{1}{2}$ "	C
YZ3327	No. 6	$\frac{7}{8}$ "	C
YZ3344	No. 6	$\frac{1}{2}$ "	M
YZ3363	No. 6	$\frac{3}{8}$ "	O
YZ3364	No. 6	$\frac{1}{2}$ "	O
YZ3366	No. 6	$\frac{3}{8}$ "	O
YZ3367	No. 6	$\frac{7}{8}$ "	O
YZ3370	No. 6	$1\frac{1}{2}$ "	O
YZ3383	No. 6	$\frac{3}{8}$ "	R
YZ3403	No. 8	$\frac{3}{8}$ "	B
YZ3404	No. 8	$\frac{1}{2}$ "	B
YZ3405	No. 8	$\frac{3}{8}$ "	B
YZ3406	No. 8	$\frac{3}{8}$ "	B
YZ3407	No. 8	$\frac{7}{8}$ "	B
YZ3410	No. 8	$1\frac{1}{2}$ "	B
YZ3425	No. 8	$\frac{3}{8}$ "	C
YZ3426	No. 8	$\frac{3}{8}$ "	C
YZ3444	No. 8	$\frac{1}{2}$ "	M
YZ3466	No. 8	$\frac{3}{8}$ "	O
YZ3467	No. 8	$\frac{7}{8}$ "	O
YZ3468	No. 8	$1$ "	O
YZ3503	No. 10	$\frac{3}{8}$ "	B
YZ3504	No. 10	$\frac{1}{2}$ "	B
YZ3505	No. 10	$\frac{3}{8}$ "	B
YZ3507	No. 10	$\frac{7}{8}$ "	B
YZ3544	No. 10	$\frac{1}{2}$ "	M

## SCREW — CROSS RECESS — SELF TAPPING SCREW 'B' TYPE



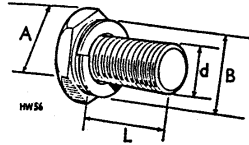
### ABBREVIATIONS

d = Diameter  
 B = Pan Head  
 M = Mushroom Head  
 R = Round Head

L = Length  
 C = Flat Countersunk Head  
 O = Oval Countersunk Head

Part No.	Diameter (d)	Length (L)	Head Type
YY4123	No. 4	$\frac{1}{2}$ "	C
YY4304	No. 6	$\frac{1}{2}$ "	B
YY4403	No. 8	$\frac{1}{2}$ "	B

## SETSCREW — HEXAGON — SEMS (SPRING WASHER)



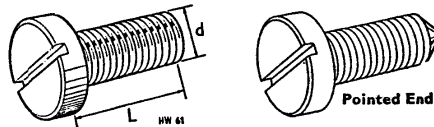
### ABBREVIATIONS

d = Diameter  
 A = Dimension across Flats  
 UNF = Unified Fine Thread

L = Length  
 B = Washer Outer Diameter

Part No.	Diameter (d)	Length (L)	Across Flats (A)	Outer Washer Diameter (B)	Washer Thickness
MA0805	$\frac{1}{16}$ " U.N.F.	$\frac{1}{2}$ "	$\frac{1}{2}$ "	.556"	.080"

## SETSCREW — FILISTER HEAD



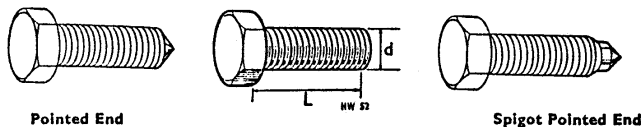
### ABBREVIATIONS

d = Diameter  
 NF = National Fine Thread

L = Length  
 Suffix P denotes Pointed End

Part No.	Diam. (d)	Length (L)	Part No.	Diam. (d)	Length (L)
TF2202	No. 5 N.F.	$\frac{1}{2}$ "	TF2512	No. 10 N.F.	$1\frac{1}{2}$ "
TF2205	No. 5 N.F.	$\frac{3}{8}$ "	TF2704P	$\frac{1}{4}$ " N.F.	$\frac{1}{2}$ "
TF2503	No. 10 N.F.	$\frac{3}{8}$ "	TF2705	$\frac{1}{4}$ " N.F.	$\frac{3}{8}$ "
TF2504	No. 10 N.F.	$\frac{1}{2}$ "	TF2706P	$\frac{1}{4}$ " N.F.	$\frac{3}{4}$ "
TF2505	No. 10 N.F.	$\frac{3}{4}$ "			

## SETSCREW — HEXAGON HEAD



### ABBREVIATIONS

**d** = Diameter  
**NF** = National Fine Thread  
**NC** = National Coarse Thread  
**Suffix /P** denotes Pointed End  
**Suffix /D** denotes Spigot Pointed End  
**BSF** = British Standard Fine Thread

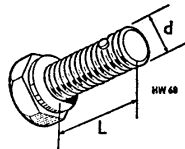
**L** = Length  
**UNF** = Unified Fine Thread  
**UNC** = Unified Coarse Thread  
**B.A.** = British Association Thread  
**Suffix KP to Part No.** denotes Cadmium Plated

Part No.	Diam. (d)	Length (L)	Part No.	Diam. (d)	Length (L)
HU0353	No. 6 U.N.C.	$\frac{1}{8}$ "	HU0807	$\frac{1}{8}$ " U.N.F.	$\frac{1}{2}$ "
HU0354	No. 6 U.N.C.	$\frac{1}{4}$ "	HU0807D	$\frac{1}{8}$ " U.N.F.	$\frac{1}{2}$ "
HU0454	No. 8 U.N.C.	$\frac{1}{4}$ "	HU0807P	$\frac{1}{8}$ " U.N.F.	$\frac{1}{2}$ "
HU0456	No. 8 U.N.C.	$\frac{1}{2}$ "	HU0808	$\frac{1}{8}$ " U.N.F.	1"
HU0502	No. 10 U.N.F.	$\frac{1}{4}$ "	HU0808D	$\frac{1}{8}$ " U.N.F.	1"
HU0503	No. 10 U.N.F.	$\frac{1}{2}$ "	HU0808P	$\frac{1}{8}$ " U.N.F.	1"
HU0503P	No. 10 U.N.F.	$\frac{1}{4}$ "	HU0809	$\frac{1}{8}$ " U.N.F.	1 $\frac{1}{2}$ "
HU0504	No. 10 U.N.F.	$\frac{1}{2}$ "	HU0810	$\frac{1}{8}$ " U.N.F.	1 $\frac{1}{2}$ "
HU0504P	No. 10 U.N.F.	$\frac{1}{4}$ "	HO0810P	$\frac{1}{8}$ " U.N.F.	1 $\frac{1}{2}$ "
HU0505	No. 10 U.N.F.	$\frac{1}{2}$ "	HU0811	$\frac{1}{8}$ " U.N.F.	1 $\frac{1}{2}$ "
HU0505P	No. 10 U.N.F.	$\frac{1}{4}$ "	HU0811P	$\frac{1}{8}$ " U.N.F.	1 $\frac{1}{2}$ "
HU0507	No. 10 U.N.F.	$\frac{1}{2}$ "	HU0812	$\frac{1}{8}$ " U.N.F.	1 $\frac{1}{2}$ "
HU0510	No. 10 U.N.F.	1 $\frac{1}{2}$ "	HU0812P	$\frac{1}{8}$ " U.N.F.	1 $\frac{1}{2}$ "
HU0552	No. 10 U.N.F.	$\frac{1}{4}$ "	HU0813	$\frac{1}{8}$ " U.N.F.	1 $\frac{1}{2}$ "
HU0703	$\frac{1}{4}$ " U.N.F.	$\frac{1}{2}$ "	HU0814	$\frac{1}{8}$ " U.N.F.	1 $\frac{1}{2}$ "
HU0704	$\frac{1}{4}$ " U.N.F.	$\frac{1}{2}$ "	HU0815	$\frac{1}{8}$ " U.N.F.	1 $\frac{1}{2}$ "
HU0704P	$\frac{1}{4}$ " U.N.F.	$\frac{1}{2}$ "	HU0816	$\frac{1}{8}$ " U.N.F.	2"
HU0705	$\frac{1}{4}$ " U.N.F.	$\frac{1}{2}$ "	HU0817	$\frac{1}{8}$ " U.N.F.	2 $\frac{1}{2}$ "
HU0705P	$\frac{1}{4}$ " U.N.F.	$\frac{1}{2}$ "	HU0818	$\frac{1}{8}$ " U.N.F.	2 $\frac{1}{2}$ "
HU0706	$\frac{1}{4}$ " U.N.F.	$\frac{1}{2}$ "	HU0818P	$\frac{1}{8}$ " U.N.F.	2 $\frac{1}{2}$ "
HU0706P	$\frac{1}{4}$ " U.N.F.	$\frac{1}{2}$ "	HU0819	$\frac{1}{8}$ " U.N.F.	2 $\frac{1}{2}$ "
HU0707	$\frac{1}{4}$ " U.N.F.	$\frac{1}{2}$ "	HU0820	$\frac{1}{8}$ " U.N.F.	2 $\frac{1}{2}$ "
HU0707P	$\frac{1}{4}$ " U.N.F.	$\frac{1}{2}$ "	HU0824	$\frac{1}{8}$ " U.N.F.	3"
HU0708	$\frac{1}{4}$ " U.N.F.	1"	HU0854	$\frac{1}{8}$ " U.N.C.	$\frac{1}{2}$ "
HU0708D	$\frac{1}{4}$ " U.N.F.	1"	HU0855	$\frac{1}{8}$ " U.N.C.	$\frac{1}{2}$ "
HU0708P	$\frac{1}{4}$ " U.N.F.	1"	HU0856	$\frac{1}{8}$ " U.N.C.	$\frac{1}{2}$ "
HU0709	$\frac{1}{4}$ " U.N.F.	1 $\frac{1}{2}$ "	HU0857	$\frac{1}{8}$ " U.N.C.	$\frac{1}{2}$ "
HU0711	$\frac{1}{4}$ " U.N.F.	1 $\frac{1}{2}$ "	HU0858	$\frac{1}{8}$ " U.N.C.	1"
HU0711P	$\frac{1}{4}$ " U.N.F.	1 $\frac{1}{2}$ "	HU0859	$\frac{1}{8}$ " U.N.C.	1 $\frac{1}{2}$ "
HU0712	$\frac{1}{4}$ " U.N.F.	1 $\frac{1}{2}$ "	HU0860	$\frac{1}{8}$ " U.N.C.	1 $\frac{1}{2}$ "
HU0713	$\frac{1}{4}$ " U.N.F.	1 $\frac{1}{2}$ "	HU0866	$\frac{1}{8}$ " U.N.C.	2"
HU0714	$\frac{1}{4}$ " U.N.F.	1 $\frac{1}{2}$ "	HU0869	$\frac{1}{8}$ " U.N.C.	2 $\frac{1}{2}$ "
HU0715	$\frac{1}{4}$ " U.N.F.	1 $\frac{1}{2}$ "	HU0904	$\frac{1}{8}$ " U.N.F.	$\frac{1}{2}$ "
HU0716	$\frac{1}{4}$ " U.N.F.	2"	HU0905	$\frac{1}{8}$ " U.N.F.	$\frac{1}{2}$ "
HU0716P	$\frac{1}{4}$ " U.N.F.	2"	HU0906	$\frac{1}{8}$ " U.N.F.	$\frac{1}{2}$ "
HU0717	$\frac{1}{4}$ " U.N.F.	2 $\frac{1}{2}$ "	HU0907	$\frac{1}{8}$ " U.N.F.	$\frac{1}{2}$ "
HU0754	$\frac{1}{4}$ " U.N.C.	$\frac{1}{2}$ "	HU0907P	$\frac{1}{8}$ " U.N.F.	$\frac{1}{2}$ "
HU0755	$\frac{1}{4}$ " U.N.C.	$\frac{1}{2}$ "	HU0908	$\frac{1}{8}$ " U.N.F.	1"
HU0756	$\frac{1}{4}$ " U.N.C.	$\frac{1}{2}$ "	HU0908P	$\frac{1}{8}$ " U.N.F.	1"
HU0757	$\frac{1}{4}$ " U.N.C.	$\frac{1}{2}$ "	HU0909	$\frac{1}{8}$ " U.N.F.	1 $\frac{1}{2}$ "
HU0803	$\frac{1}{8}$ " U.N.F.	$\frac{1}{2}$ "	HU0909P	$\frac{1}{8}$ " U.N.F.	1 $\frac{1}{2}$ "
HU0804	$\frac{1}{8}$ " U.N.C.	$\frac{1}{2}$ "	HU0910	$\frac{1}{8}$ " U.N.F.	1 $\frac{1}{2}$ "
HU0804P	$\frac{1}{8}$ " U.N.F.	$\frac{1}{2}$ "	HU0910P	$\frac{1}{8}$ " U.N.F.	1 $\frac{1}{2}$ "
HU0805	$\frac{1}{8}$ " U.N.F.	$\frac{1}{2}$ "	HU0911	$\frac{1}{8}$ " U.N.F.	1 $\frac{1}{2}$ "
HU0805P	$\frac{1}{8}$ " U.N.F.	$\frac{1}{2}$ "	HU0911P	$\frac{1}{8}$ " U.N.F.	1 $\frac{1}{2}$ "
HU0806	$\frac{1}{8}$ " U.N.F.	$\frac{1}{2}$ "	HU0912	$\frac{1}{8}$ " U.N.F.	1 $\frac{1}{2}$ "
HU0806P	$\frac{1}{8}$ " U.N.F.	$\frac{1}{2}$ "	HU0913	$\frac{1}{8}$ " U.N.F.	1 $\frac{1}{2}$ "

### SETSCREW—HEXAGON HEAD (Continued)

Part No.	Diam. (d)	Length (L)	Part No.	Diam. (d)	Length (L)
HU0914	$\frac{3}{8}$ " U.N.F.	$1\frac{1}{2}$ "	UH0705P	$\frac{1}{2}$ " N.F.	$\frac{3}{8}$ "
HU0915	$\frac{3}{8}$ " U.N.F.	$1\frac{1}{2}$ "	UH0706	$\frac{1}{2}$ " N.F.	$\frac{3}{8}$ "
HU0915P	$\frac{3}{8}$ " U.N.F.	$1\frac{1}{2}$ "	UH0706P	$\frac{1}{2}$ " N.F.	$\frac{3}{8}$ "
HU0918P	$\frac{3}{8}$ " U.N.F.	$2\frac{1}{2}$ "	UH0708	$\frac{1}{2}$ " N.F.	1"
HU0920	$\frac{3}{8}$ " U.N.F.	$2\frac{1}{2}$ "	UH0708P	$\frac{1}{2}$ " N.F.	1"
HU0929	$\frac{3}{8}$ " U.N.F.	$3\frac{1}{2}$ "	UH0714	$\frac{1}{2}$ " N.F.	$1\frac{1}{2}$ "
HU0953	$\frac{3}{8}$ " U.N.C.	$\frac{3}{8}$ "	UH0755	$\frac{1}{2}$ " N.C.	$\frac{3}{8}$ "
HU0954	$\frac{3}{8}$ " U.N.C.	$\frac{1}{2}$ "	UH0756	$\frac{1}{2}$ " N.C.	$\frac{3}{8}$ "
HU0955	$\frac{3}{8}$ " U.N.C.	$\frac{3}{8}$ "	UH0803	$\frac{1}{4}$ " N.F.	$\frac{3}{8}$ "
HU0956	$\frac{3}{8}$ " U.N.C.	$\frac{3}{8}$ "	UH0804	$\frac{1}{4}$ " N.F.	$\frac{3}{8}$ "
HU0957	$\frac{3}{8}$ " U.N.C.	$\frac{3}{8}$ "	UH0805	$\frac{1}{4}$ " N.F.	$\frac{3}{8}$ "
HU0958	$\frac{3}{8}$ " U.N.C.	1"	UH0806	$\frac{1}{4}$ " N.F.	$\frac{3}{8}$ "
HU0972	$\frac{3}{8}$ " U.N.C.	$2\frac{3}{8}$ "	UH0808	$\frac{1}{4}$ " N.F.	1"
HU1004	$\frac{7}{16}$ " U.N.F.	$\frac{1}{2}$ "	UH0809	$\frac{1}{4}$ " N.F.	$1\frac{1}{8}$ "
HU1008	$\frac{7}{16}$ " U.N.F.	1"	UH0811P	$\frac{1}{4}$ " N.F.	$1\frac{1}{8}$ "
HU1009	$\frac{7}{16}$ " U.N.F.	$1\frac{1}{2}$ "	UH0820	$\frac{1}{4}$ " N.F.	$2\frac{1}{2}$ "
HU1010	$\frac{7}{16}$ " U.N.F.	$1\frac{1}{2}$ "	UH0854	$\frac{1}{4}$ " N.C.	$\frac{1}{2}$ "
HU1011	$\frac{7}{16}$ " U.N.F.	$1\frac{1}{2}$ "	UH0855	$\frac{1}{4}$ " N.C.	$\frac{3}{8}$ "
HU1012	$\frac{7}{16}$ " U.N.F.	$1\frac{1}{2}$ "	UH0856	$\frac{1}{4}$ " N.C.	$\frac{3}{8}$ "
HU1016	$\frac{7}{16}$ " U.N.F.	2"	UH0857	$\frac{1}{4}$ " N.C.	$\frac{3}{8}$ "
HU1056	$\frac{7}{16}$ " U.N.C.	$\frac{3}{8}$ "	UH0905	$\frac{3}{8}$ " N.F.	$\frac{3}{8}$ "
HU1104	$\frac{1}{2}$ " U.N.F.	$\frac{1}{2}$ "	UH0908	$\frac{3}{8}$ " N.F.	1"
HU1107	$\frac{1}{2}$ " U.N.F.	$\frac{3}{8}$ "	UH0910	$\frac{3}{8}$ " N.F.	$1\frac{1}{2}$ "
HU1111	$\frac{1}{2}$ " U.N.F.	$1\frac{1}{2}$ "	UH0911	$\frac{3}{8}$ " N.F.	$1\frac{1}{2}$ "
HU1157	$\frac{1}{2}$ " U.N.C.	$\frac{3}{8}$ "	UH0915P	$\frac{3}{8}$ " N.F.	$1\frac{1}{2}$ "
HU1162	$\frac{1}{2}$ " U.N.C.	$1\frac{1}{2}$ "	UH0953	$\frac{3}{8}$ " N.C.	$\frac{3}{8}$ "
UH0352	No. 6 N.C.	$\frac{1}{2}$ "	UH0954	$\frac{3}{8}$ " N.C.	$\frac{1}{2}$ "
UH0405	No. 8 N.F.	$\frac{3}{8}$ "	UH0955	$\frac{3}{8}$ " N.C.	$\frac{3}{8}$ "
UH0453	No. 8 N.C.	$\frac{3}{8}$ "	UH0972	$\frac{3}{8}$ " N.C.	$2\frac{3}{8}$ "
UH0502	No. 10 N.F.	$\frac{1}{2}$ "	UH1111	$\frac{1}{2}$ " N.F.	$1\frac{1}{8}$ "
UH0503	No. 10 N.F.	$\frac{3}{8}$ "	SP83AOKP	4 B.A.	$\frac{1}{2}$ "
UH0503P	No. 10 N.F.	$\frac{3}{8}$ "	SP83B3	$\frac{1}{4}$ " BSF	$\frac{3}{8}$ "
UH0504	No. 10 N.F.	$\frac{1}{2}$ "	SP8302	$\frac{1}{4}$ " BSF	$1\frac{1}{2}$ "
UH0505	No. 10 N.F.	$\frac{3}{8}$ "	SP8303	$\frac{1}{4}$ " BSF	$1\frac{1}{2}$ "
UH0505P	No. 10 N.F.	$\frac{3}{8}$ "	SP83E2	$\frac{1}{4}$ " BSF	$\frac{3}{8}$ "
UH0506	No. 10 N.F.	$\frac{3}{8}$ "	SP83E2P	$\frac{1}{4}$ " BSF	$\frac{3}{8}$ "
UH0507	No. 10 N.F.	$\frac{3}{8}$ "	SP83E3	$\frac{1}{4}$ " BSF	$\frac{3}{8}$ "
UH0508	No. 10 N.F.	1"	SP83F2	$\frac{1}{4}$ " BSF	$\frac{3}{8}$ "
UH0703	$\frac{1}{2}$ " N.F.	$\frac{3}{8}$ "	SP83F3	$\frac{1}{4}$ " BSF	$\frac{3}{8}$ "
UH0704	$\frac{1}{2}$ " N.F.	$\frac{1}{2}$ "	SP83H3	$\frac{1}{4}$ " BSF	$\frac{1}{2}$ "
UH0705	$\frac{1}{2}$ " N.F.	$\frac{3}{8}$ "	SP83H3	$\frac{1}{4}$ " BSF	$1\frac{1}{2}$ "
			SP83H5	$\frac{1}{4}$ " BSF	$1\frac{1}{2}$ "

### SETSCREW — HEXAGON — WEDGLOCK



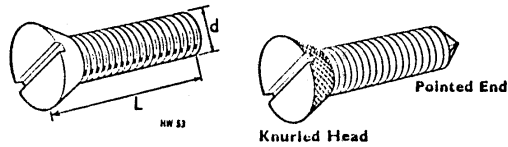
d = Diameter  
L = Length

#### ABBREVIATIONS

UNF = Unified Fine Thread  
UNC = Unified Coarse Thread

Part No.	Diam. (d)	Length (L)	Part No.	Diam. (d)	Length (L)
WU3705	$\frac{1}{2}$ " U.N.F.	$\frac{3}{8}$ "	WU3908	$\frac{3}{8}$ " U.N.F.	1"
WU3806	$\frac{3}{8}$ " U.N.F.	$\frac{3}{8}$ "	WU3909	$\frac{3}{8}$ " U.N.F.	$1\frac{1}{2}$ "
WU3857	$\frac{3}{8}$ " U.N.C.	$\frac{3}{8}$ "			

## SETSCREW — FLAT COUNTERSUNK 80° HEAD



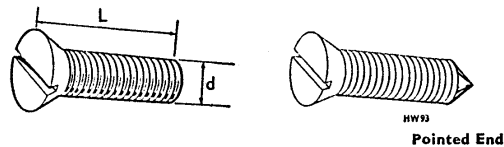
### ABBREVIATIONS

**d** = Diameter  
**L** = Length  
 Suffix /P denotes Cone Pointed End  
 Suffix /K denotes Knurled Head

**NF** = National Fine Thread  
**NC** = National Coarse Thread  
**UNF** = Unified Fine Thread  
**UNC** = Unified Coarse Thread

Part No.	Diam. (d)	Length (L)	Part No.	Diam. (d)	Length (L)
KT4503	No. 10 U.N.F.	$\frac{3}{8}$ "	TK4506	No. 10 N.F.	$\frac{3}{8}$ "
KT4504	No. 10 U.N.F.	$\frac{1}{2}$ "	TK4508	No. 10 N.F.	1"
KT4505	No. 10 U.N.F.	$\frac{5}{8}$ "	TK4512	No. 10 N.F.	$1\frac{1}{2}$ "
KT4509P	No. 10 U.N.F.	$1\frac{1}{2}$ "	TK4704	$\frac{1}{4}$ " N.F.	$\frac{1}{2}$ "
KT4704	$\frac{1}{4}$ " U.N.F.	$\frac{1}{2}$ "	TK4704P	$\frac{1}{4}$ " N.F.	$\frac{1}{2}$ "
KT4705	$\frac{1}{4}$ " U.N.F.	$\frac{3}{4}$ "	TK4705	$\frac{1}{4}$ " N.F.	$\frac{3}{4}$ "
KT4706	$\frac{1}{4}$ " U.N.F.	$\frac{5}{8}$ "	TK4705P	$\frac{1}{4}$ " N.F.	$\frac{5}{8}$ "
KT4708	$\frac{1}{4}$ " U.N.F.	1"	TK4706	$\frac{1}{4}$ " N.F.	$\frac{3}{4}$ "
KT4708K	$\frac{1}{4}$ " U.N.F.	1"	TK4706P	$\frac{1}{4}$ " N.F.	$\frac{3}{4}$ "
KT4712	$\frac{1}{4}$ " U.N.F.	$1\frac{1}{2}$ "	TK4707P	$\frac{1}{4}$ " N.F.	$\frac{7}{8}$ "
KT4755	$\frac{1}{4}$ " U.N.C.	$\frac{3}{8}$ "	TK4708P	$\frac{1}{4}$ " N.F.	1"
KT4756	$\frac{1}{4}$ " U.N.C.	$\frac{5}{8}$ "	TK4710	$\frac{1}{4}$ " N.F.	$1\frac{1}{2}$ "
KT4762	$\frac{1}{4}$ " U.N.C.	$1\frac{1}{2}$ "	TK4710P	$\frac{1}{4}$ " N.F.	$1\frac{1}{2}$ "
TK4206	No. 5 U.N.F.	$\frac{3}{8}$ "	TK4711	$\frac{1}{4}$ " N.F.	$1\frac{3}{8}$ "
TK4403	No. 8 N.F.	$\frac{3}{8}$ "	TK4712P	$\frac{1}{4}$ " N.F.	$1\frac{1}{2}$ "
TK4404P	No. 8 N.F.	$\frac{1}{2}$ "	TK4754	$\frac{1}{4}$ " N.C.	$\frac{1}{2}$ "
TK4452	No. 8 N.C.	$\frac{1}{2}$ "	TK4806	$\frac{7}{16}$ " N.F.	$\frac{3}{4}$ "
TK4503	No. 10 N.F.	$\frac{3}{8}$ "	TK4808P	$\frac{7}{16}$ " N.F.	1"
TK4504	No. 10 N.F.	$\frac{1}{2}$ "	TK4811P	$\frac{7}{16}$ " N.F.	$1\frac{1}{2}$ "
TK4505	No. 10 N.F.	$\frac{5}{8}$ "			

## SETSCREW — FLAT COUNTERSUNK (90° HEAD)



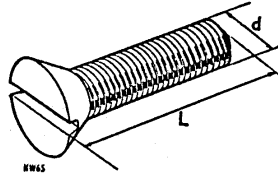
### ABBREVIATIONS

**d** = Diameter  
**L** = Length  
**NF** = National Fine Thread  
**BA** = British Association Thread  
 Suffix P denotes Pointed End  
**BSF** = British Standard Fine Thread

Part No.	Diameter (d)	Length (L)	Part No.	Diameter (d)	Length (L)
V5416	$\frac{3}{16}$ " N.F.	$\frac{1}{16}$ "	SP86B0	4 B.A.	$\frac{3}{8}$ "
V5435	$\frac{1}{4}$ " N.F.	$\frac{3}{8}$ "	SP86B2	$\frac{1}{2}$ " B.S.F.	$\frac{3}{8}$ "
V5453	$\frac{5}{16}$ " N.F.	$\frac{7}{16}$ "	SP86CO	4 B.A.	$\frac{1}{2}$ "
V5456P	$\frac{7}{16}$ " N.F.	$\frac{3}{4}$ "	SP86CI	2 B.A.	$\frac{1}{2}$ "
V5460P	$\frac{9}{16}$ " N.F.	$1\frac{1}{8}$ "	SP86DOP	4 B.A.	$\frac{3}{4}$ "



## SETSCREW — FLAT COUNTERSUNK (100° HEAD)



### ABBREVIATIONS

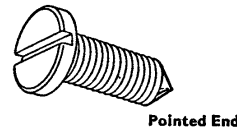
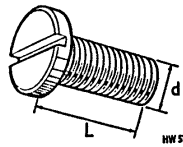
d = Diameter

L = Length

NF = National Fine Thread

Part No.	Diameter (d)	Length (L)
UK4203	No. 5 N.F.	$\frac{1}{4}$ "
UK4719	$\frac{1}{4}$ " N.F.	$2\frac{1}{2}$ "

## SETSCREW — PAN HEAD (BINDING)



### ABBREVIATIONS

d = Diameter

L = Length

NF = National Fine Thread

NC = National Coarse Thread

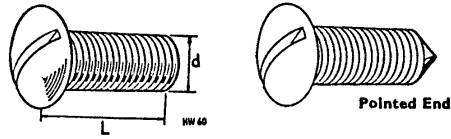
UNF = Unified Fine Thread

UNC = Unified Coarse Thread

Suffix P denotes Cone Pointed End

Part No.	Diam. (d)	Length (L)	Part No.	Diam. (d)	Length (L)
PT0353	No. 6 U.N.C.	$\frac{1}{2}$ "	TP0403	No. 8 N.F.	$\frac{1}{2}$ "
PT0354	No. 6 U.N.C.	$\frac{1}{2}$ "	TP0404	No. 8 N.F.	$\frac{1}{2}$ "
PT0358	No. 6 U.N.C.	1"	TP0405P	No. 8 N.F.	$\frac{1}{2}$ "
PT0404	No. 8 U.N.F.	$\frac{1}{2}$ "	TP0502	No. 10 N.F.	$\frac{1}{2}$ "
PT0453	No. 8 U.N.C.	$\frac{3}{8}$ "	TP0503	No. 10 N.F.	$\frac{3}{8}$ "
PT0456	No. 8 U.N.C.	$\frac{3}{8}$ "	TP0504	No. 10 N.F.	$\frac{1}{2}$ "
PT0458	No. 8 U.N.C.	1"	TP0504P	No. 10 N.F.	$\frac{1}{2}$ "
PT0503	No. 10 U.N.F.	$\frac{1}{2}$ "	TP0505	No. 10 N.F.	$\frac{3}{8}$ "
PT0504	No. 10 U.N.F.	$\frac{1}{2}$ "	TP0505P	No. 10 N.F.	$\frac{3}{8}$ "
PT0505	No. 10 U.N.F.	$\frac{3}{8}$ "	TP0506	No. 10 N.F.	$\frac{3}{8}$ "
PT0508	No. 10 U.N.F.	1"	TP0506P	No. 10 N.F.	$\frac{3}{8}$ "
PT0554	No. 10 U.N.C.	$\frac{1}{2}$ "	TP0507	No. 10 N.F.	$\frac{7}{8}$ "
PT0702	$\frac{1}{4}$ " U.N.F.	$\frac{1}{2}$ "	TP0508	No. 10 N.F.	1"
PT0704	$\frac{1}{4}$ " U.N.F.	$\frac{1}{2}$ "	TP0509	No. 10 N.F.	$1\frac{1}{2}$ "
PT0705	$\frac{1}{4}$ " U.N.F.	$\frac{3}{8}$ "	TP0510	No. 10 N.F.	$1\frac{1}{2}$ "
PT0707	$\frac{1}{4}$ " U.N.F.	$\frac{7}{8}$ "	TP0516	No. 10 N.F.	2"
PT0708P	$\frac{1}{4}$ " U.N.F.	1"	TP0517P	No. 10 N.F.	$2\frac{1}{2}$ "
PT0709	$\frac{1}{4}$ " U.N.F.	$1\frac{1}{2}$ "	TP0703	$\frac{1}{4}$ " N.F.	$\frac{3}{8}$ "
PT0710	$\frac{1}{4}$ " U.N.F.	$1\frac{1}{2}$ "	TP0704	$\frac{1}{4}$ " N.F.	$\frac{1}{2}$ "
PT0713	$\frac{1}{4}$ " U.N.F.	$1\frac{1}{2}$ "	TP0704P	$\frac{1}{4}$ " N.F.	$\frac{1}{2}$ "
PT0803	$\frac{7}{16}$ " U.N.F.	$\frac{3}{8}$ "	TP0705	$\frac{1}{4}$ " N.F.	$\frac{3}{8}$ "
PT0804	$\frac{7}{16}$ " U.N.F.	$\frac{1}{2}$ "	TP0705P	$\frac{1}{4}$ " N.F.	$\frac{3}{8}$ "
PT0807	$\frac{7}{16}$ " U.N.F.	$\frac{7}{8}$ "	TP0708P	$\frac{1}{4}$ " N.F.	1"
TP0303	No. 6 N.F.	$\frac{3}{8}$ "	TP0805	$\frac{7}{16}$ " N.F.	$\frac{3}{8}$ "
TP0304	No. 6 N.F.	$\frac{1}{2}$ "	TP0805P	$\frac{7}{16}$ " N.F.	$\frac{3}{8}$ "
TP0402	No. 8 N.F.	$\frac{1}{2}$ "			

## SETSCREW — ROUNDHEAD — SLOTTED



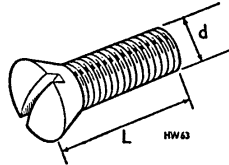
### ABBREVIATIONS

**d** = Diameter  
**NF** = National Fine Thread  
**NC** = National Coarse Thread  
 Suffix /P denotes Cone Pointed End

**L** = Length  
**UNF** = Unified Fine Thread  
**UNC** = Unified Coarse Thread  
**BA** = British Association Thread

Part No.	Diam. (d)	Length (L)	Part No.	Diam. (d)	Length (L)
RT6510	No. 10 U.N.F.	1½"	TR6505P	No. 10 N.F.	¾"
TR6203	No. 5 N.F.	¾"	TR6506	No. 10 N.F.	¾"
TR6204	No. 5 N.F.	¾"	TR6506P	No. 10 N.F.	¾"
TR6252	No. 5 N.C.	¾"	TR6508	No. 10 N.F.	1"
TR6302	No. 6 N.F.	¾"	TR6510	No. 10 N.F.	1½"
TR6303	No. 6 N.F.	¾"	TR6512	No. 10 N.F.	1½"
TR6304	No. 6 N.F.	¾"	TR6519	No. 10 N.F.	2¾"
TR6305	No. 6 N.F.	¾"	TR6552	No. 10 N.C.	¾"
TR6307	No. 6 N.F.	¾"	TR6553	No. 10 N.C.	¾"
TR6403	No. 8 N.F.	¾"	TR6704	½" N.F.	¾"
TR6404	No. 8 N.F.	¾"	TR6705	½" N.F.	¾"
TR6406	No. 8 N.F.	¾"	TR6705P	½" N.F.	¾"
TR6452	No. 8 N.C.	¾"	TR6706P	½" N.F.	¾"
TR6453	No. 8 N.C.	¾"	TR6709	½" N.F.	1½"
TR6502	No. 10 N.F.	¾"	TR6753	½" N.C.	¾"
TR6503	No. 10 N.F.	¾"	TR6755	½" N.C.	¾"
TR6504	No. 10 N.F.	¾"	TR6812	⅞" N.F.	1½"
TR6504P	No. 10 N.F.	¾"	SP84CO	4 B.A.	½"
TR6505	No. 10 N.F.	¾"	SP84C1	2 B.A.	½"

## SETSCREW — OVAL COUNTERSUNK HEAD



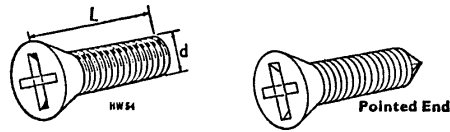
### ABBREVIATIONS

**d** = Diameter  
**L** = Length  
**UNF** = Unified Fine Thread  
 Suffix /X denotes Bare Metal Screw

**NF** = National Fine Thread  
**NC** = National Coarse Thread  
**UNC** = Unified Coarse Thread

Part No.	Diam. (d)	Length (L)	Part No.	Diam. (d)	Length (L)
TV8303	No. 6 N.F.	¾"	TV8704	½" N.F.	¾"
TV8304	No. 6 N.F.	¾"	VT8159	No. 4 U.N.C.	1½"
TV8503	No. 10 N.F.	¾"	VT8504	No. 10 U.N.F.	½"
TV8505	No. 10 N.F.	¾"	VT8510	No. 10 U.N.F.	1½"
TV8507X	No. 10 N.F.	¾"	VT8806	⅞" U.N.F.	¾"
TV8508	No. 10 N.F.	1"	VT8807	⅞" U.N.F.	¾"
TV8510	No. 10 N.F.	1½"	VT8808	⅞" U.N.F.	1"

**SETSCREW — CROSS RECESS — FLAT COUNTERSUNK 80° HEAD**



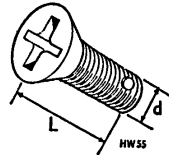
**ABBREVIATIONS**

**d = Diameter**  
**NF = National Fine Thread**  
**UNF = Unified Fine Thread**  
**Suffix /P denotes Cone Pointed End**

**L = Length**  
**NC = National Coarse Thread**  
**UNC = Unified Coarse Thread**

Part No.	Diam. (d)	Length (L)	Part No.	Diam. (d)	Length (L)
KX4455	No. 8 U.N.C.	$\frac{1}{8}$ "	KX4708	$\frac{1}{4}$ " U.N.F.	1"
KX4504	No. 10 U.N.F.	$\frac{1}{8}$ "	KX4806P	$\frac{7}{16}$ " U.N.F.	$\frac{3}{4}$ "
KX4505F	No. 10 U.N.F.	$\frac{3}{8}$ "	XK4303	No. 6 N.F.	$\frac{1}{2}$ "
KX4507	No. 10 U.N.F.	$\frac{7}{8}$ "	XK4455	No. 8 N.C.	$\frac{3}{8}$ "
KX4508	No. 10 U.N.F.	1"	XK4502	No. 10 N.F.	$\frac{1}{2}$ "
KX4704	$\frac{1}{4}$ " U.N.F.	$\frac{1}{2}$ "	XK4503	No. 10 N.F.	$\frac{3}{8}$ "
KX4705	$\frac{1}{4}$ " U.N.F.	$\frac{3}{8}$ "	XK4505	No. 10 N.F.	$\frac{3}{8}$ "
KX4706P	$\frac{1}{4}$ " U.N.F.	$\frac{3}{4}$ "	XK4705	$\frac{1}{4}$ " N.F.	$\frac{3}{8}$ "
KX4707	$\frac{1}{4}$ " U.N.F.	$\frac{7}{8}$ "	XK4807P	$\frac{7}{16}$ " N.F.	$\frac{7}{8}$ "

**SETSCREW — CROSS RECESS — FLAT COUNTERSUNK WEDGLOK**

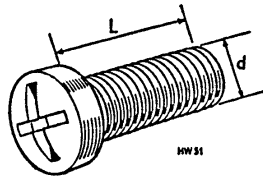


**d = Diameter**  
**L = Length**

**UNF = Unified Fine Thread**

Part No.	Diam. (d)	Length (L)
LX6503	No. 10 U.N.F.	$\frac{3}{8}$ "
LX6504	No. 10 U.N.F.	$\frac{1}{2}$ "

### SETSCREW — CROSS RECESS — FILISTER HEAD

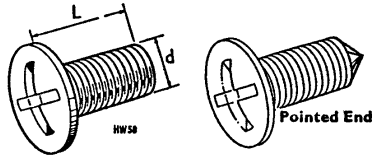


#### ABBREVIATIONS

d = Diameter  
 L = Length  
 UNF = Unified Fine Thread  
 UNC = Unified Coarse Thread

Part No.	Diam. (d)	Length (L)
CX2508	No. 10 U.N.F.	1"
CX2857	$\frac{1}{4}$ " U.N.C.	$\frac{7}{8}$ "

### SETSCREW — CROSS RECESS — PAN HEAD

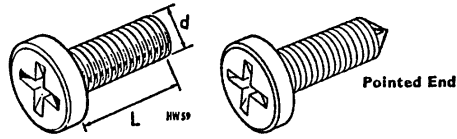


#### ABBREVIATIONS

d = Diameter  
 L = Length  
 UNF = Unified Fine Thread  
 UNC = Unified Coarse Thread  
 Suffix /P denotes Cone Pointed End

Part No.	Diam. (d)	Length (L)	Part No.	Diam. (d)	Length (L)
PX0354	No. 6 U.N.C.	$\frac{1}{2}$ "	PX0508	No. 10 U.N.F.	1"
PX0354P	No. 6 U.N.C.	$\frac{1}{2}$ "	PX0554	No. 10 U.N.C.	$\frac{1}{2}$ "
PX0454	No. 8 U.N.C.	$\frac{1}{2}$ "	PX0703	$\frac{1}{4}$ " U.N.F.	$\frac{3}{8}$ "
PX0454P	No. 8 U.N.C.	$\frac{1}{2}$ "	PX0704	$\frac{1}{4}$ " U.N.F.	$\frac{1}{2}$ "
PX0503	No. 10 U.N.F.	$\frac{3}{8}$ "	PX0705P	$\frac{1}{4}$ " U.N.F.	$\frac{3}{8}$ "
PX0504	No. 10 U.N.F.	$\frac{1}{2}$ "	PX0706P	$\frac{1}{4}$ " U.N.F.	$\frac{3}{8}$ "
PX0504P	No. 10 U.N.F.	$\frac{1}{2}$ "	PX0707	$\frac{1}{4}$ " U.N.F.	$\frac{7}{8}$ "
PX0505	No. 10 U.N.F.	$\frac{3}{8}$ "	PX0803	$\frac{1}{8}$ " U.N.F.	$\frac{3}{8}$ "
PX0505P	No. 10 U.N.F.	$\frac{3}{8}$ "	PX0805	$\frac{1}{8}$ " U.N.F.	$\frac{3}{8}$ "
PX0506	No. 10 U.N.F.	$\frac{3}{8}$ "	PX0808	$\frac{1}{8}$ " U.N.F.	1"
PX0506P	No. 10 U.N.F.	$\frac{3}{8}$ "			

### SETSCREW — CROSS RECESS — PAN HEAD



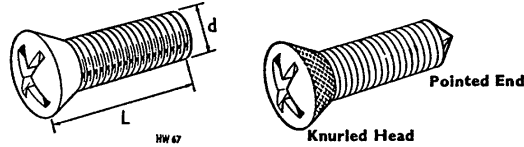
#### ABBREVIATIONS

d = Diameter  
 NF = National Fine Thread  
 Suffix /P denotes Cone Pointed End

L = Length  
 NC = National Coarse Thread

Part No.	Diam. (d)	Length (L)	Part No.	Diam. (d)	Length (L)
XP0303	No. 6 N.F.	$\frac{3}{8}$ "	XP0504P	No. 10 N.F.	$\frac{1}{2}$ "
XP0402	No. 8 N.F.	$\frac{1}{2}$ "	XP0505P	No. 10 N.F.	$\frac{3}{8}$ "
XP0503	No. 10 N.F.	$\frac{3}{4}$ "	XP0704P	$\frac{1}{4}$ " N.F.	$\frac{1}{2}$ "

### SETSCREW — CROSS RECESS — OVAL COUNTERSUNK HEAD



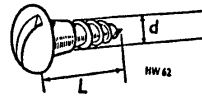
#### ABBREVIATIONS

d = Diameter  
 NF = National Fine Thread  
 Suffix /P denotes Cone Pointed End

L = Length  
 UNF = Unified Fine Thread  
 Suffix /K denotes Knurled Head

Part No.	Diam. (d)	Length (L)	Part No.	Diam. (d)	Length (L)
VX8505	No. 10 U.N.F.	$\frac{3}{8}$ "	VX8806	$\frac{3}{16}$ " U.N.F.	$\frac{3}{8}$ "
VX8505P	No. 10 U.N.F.	$\frac{3}{8}$ "	VX8806K	$\frac{3}{16}$ " U.N.F.	$\frac{3}{8}$ "
VX8509	No. 10 U.N.F.	$1\frac{1}{8}$ "	VX8807K	$\frac{3}{16}$ " U.N.F.	$\frac{7}{8}$ "
VX8510	No. 10 U.N.F.	$1\frac{1}{2}$ "	VX8808	$\frac{3}{16}$ " U.N.F.	1"
VX8511	No. 10 U.N.F.	$1\frac{3}{8}$ "	VX8808K	$\frac{3}{16}$ " U.N.F.	1"
VX8704	$\frac{1}{4}$ " U.N.F.	$\frac{1}{2}$ "	XV8707	$\frac{1}{4}$ " N.F.	$\frac{7}{8}$ "
VX8706P	$\frac{1}{4}$ " U.N.F.	$\frac{3}{4}$ "	XV8707P	$\frac{1}{4}$ " N.F.	$\frac{7}{8}$ "
VX8710P	$\frac{1}{4}$ " U.N.F.	$1\frac{1}{4}$ "			

## WOODSCREW — ROUND HEAD



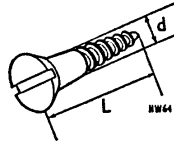
d = diameter

### ABBREVIATIONS

L = Length

Part No.	Diam. (d)	Length (L)	Part No.	Diam. (d)	Length (L)
TH4603	No. 6	$\frac{1}{2}$ "	SP88F7	No. 6	1"
SP88D2	No. 4	$\frac{3}{8}$ "	SP88H7	No. 8	1"
SP88F4	No. 6	$\frac{1}{2}$ "			

## WOODSCREW — FLAT COUNTERSUNK



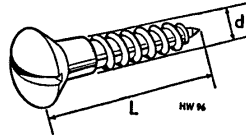
d = Diameter

### ABBREVIATIONS

L = Length

Part No.	Diam. (d)	Length (L)	Part No.	Diam. (d)	Length (L)
TW0402	No. 4	$\frac{1}{2}$ "	SP87B1C	No. 2	$\frac{1}{2}$ "
TW0404	No. 4	$\frac{1}{2}$ "	SP87D6	No. 4	$\frac{7}{8}$ "
TW0603	No. 6	$\frac{3}{8}$ "	SP87H4	No. 8	$\frac{3}{8}$ "
TW0604	No. 6	$\frac{1}{2}$ "	SP87H13	No. 8	$\frac{1}{2}$ "
TW0804	No. 8	$\frac{1}{2}$ "	SP87K5	No. 10	$\frac{3}{4}$ "
SP87A2	No. 1	$\frac{3}{8}$ "	SP87K7	No. 10	1"
SP87B3	No. 2	$\frac{1}{2}$ "	SP87K7C	No. 10	1"
			SP87K8	No. 10	1 $\frac{1}{2}$ "

## WOODSCREW — RAISED HEAD — BRASS



d = Diameter

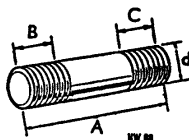
### ABBREVIATIONS

L = Length

Suffix /CP denotes Chrome Plated

Part No.	Diameter (d)	Length (L)
SP89A1	No. 6	$\frac{1}{2}$ "
SP89C4CP	No. 8	1"
SP89E4	No. 10	1"
SP89H2CP	No. 4	$\frac{3}{8}$ "

## STUD



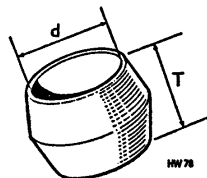
### ABBREVIATIONS

d = Diameter  
A = Overall Lengths  
B & C = Thread Lengths

BSF = British Standard Fine Thread  
NC = National Coarse Thread

Part No.	Diameter (d)	Overall Length (A)	Thread Length End (B)	Thread Type End (B)	Thread Length End (C)	Thread Type End (C)
V7271	1/8"	1 1/2"	3/8"	N.C.	1 1/2"	N.F.
V7318	7/16"	1 1/2"	7/16"	N.C.	1 1/2"	N.F.
V7322	7/16"	1 7/8"	7/16"	N.C.	1 1/2"	N.F.
V7323	7/16"	1 3/4"	1 1/2"	N.C.	1 1/2"	N.F.
V7325	7/16"	1 5/8"	1/2"	N.C.	1 1/2"	N.F.
V7332	7/16"	2 1/2"	7/16"	N.C.	1 1/2"	N.F.
V7333	7/16"	2 3/4"	7/16"	N.C.	1 1/2"	N.F.
V7335	7/16"	3"	7/16"	N.C.	1 1/2"	N.F.
SP30D	7/16"	1 1/2"	1/2"	B.S.F.	1/2"	B.S.F.
SP30DB	7/16"	1 1/2"	7/16"	B.S.F.	3/4"	B.S.F.
SP30E	7/16"	1 1/2"	1/2"	B.S.F.	3/4"	B.S.F.
SP30G	7/16"	1 1/2"	1/2"	B.S.F.	3/4"	B.S.F.
SP30DA	7/16"	1 7/8"	1/2"	B.S.F.	3/4"	B.S.F.
SP30Q	7/16"	3 3/4"	3/4"	B.S.F.	3/4"	B.S.F.
SP30PA	7/16"	3 3/4"	3/4"	B.S.F.	3/4"	B.S.F.
SP32BA	3/4"	1 1/2"	7/16"	B.S.F.	3/4"	B.S.F.
SP32BB	3/4"	1 1/2"	3/4"	B.S.F.	3/4"	B.S.F.
SP32CA	3/4"	1 1/2"	3/4"	B.S.F.	1 1/2"	B.S.F.
SP32K	3/4"	2 3/4"	1/2"	B.S.F.	3/4"	B.S.F.
SP32KA	3/4"	2 7/8"	1/2"	B.S.F.	3/4"	B.S.F.
SP32M	3/4"	3 1/4"	1/2"	B.S.F.	7/8"	B.S.F.
SP32QA	3/4"	4 3/4"	1/2"	B.S.F.	7/8"	B.S.F.
SP32R	3/4"	4 1/4"	1/2"	B.S.F.	7/8"	B.S.F.
SP32RA	3/4"	4 1/2"	1/2"	B.S.F.	7/8"	B.S.F.
TD0809	7/16"	1 1/2"	1/2"	U.N.F.	3/4"	U.N.F.

## SLEEVE — TUBING



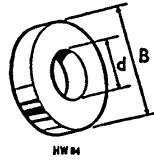
### ABBREVIATIONS

d = Inside Diameter

T = Thickness

Part No.	To suit Pipe Diameter	Nominal Internal Diameter (d)	Thickness (T)
TL0002	1/8"	.128"/.131"	.187"
TL0005	7/16"	.190"/.193"	.218"
TL0007	1/4"	.253"/.256"	.234"
TL0008	7/16"	.315"/.318"	.250"
TL0009	3/8"	.378"/.381"	.281"
TL0011	1/2"	.503"/.506"	.312"
TL0013	5/8"	.628"/.631"	.344"
TL0014	3/4"	.753"/.756"	.375"

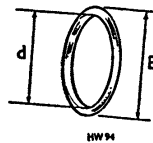
## WASHER — PLAIN — MEDIUM



**ABBREVIATIONS**  
d = Inside Diameter

Part No.	Inside Diam. (d)	Outside Diam. (B)	Part No.	Inside Diam. (d)	Outside Diam. (B)
WM0052	No. 5	.375" x .049"	WM0085	$\frac{7}{16}$ "	$\frac{7}{8}$ " x $\frac{1}{2}$ "
WM0053	No. 6	.375" x .049"	WM0093	$\frac{1}{2}$ "	$\frac{3}{4}$ " x 10G
WM0054	No. 8	.437" x .049"	WM0095	$\frac{7}{16}$ "	$\frac{1}{2}$ " x .160"
WM0055	No. 10	.562" x .049"	WM0098	No. 6	$\frac{7}{16}$ " x $\frac{1}{16}$ "
WM0057	$\frac{1}{4}$ "	.75" x .065"	WM0802	$\frac{3}{8}$ "	1 $\frac{1}{2}$ " x $\frac{1}{16}$ "
WM0058	$\frac{7}{16}$ "	.75" x .065"	WM0803	$\frac{7}{16}$ "	1" x $\frac{1}{8}$ "
WM0059	$\frac{1}{2}$ "	.875" x .083"	WM0808	$\frac{7}{16}$ "	$\frac{11}{16}$ " x $\frac{3}{16}$ "
WM0060	$\frac{7}{16}$ "	1.125" x .083"	WM0809	$\frac{7}{16}$ "	1" x $\frac{1}{2}$ "
WM0061	$\frac{1}{2}$ "	1.25" x .109"	WM0810	$\frac{1}{2}$ "	1 $\frac{1}{2}$ " x 10G
WM0062	$\frac{7}{16}$ "	1.375" x .109"	WM0811	$\frac{7}{16}$ "	1 $\frac{1}{2}$ " x $\frac{1}{8}$ "
WM0063	$\frac{1}{2}$ "	1.50" x .134"	WM0812	$\frac{7}{16}$ "	$\frac{11}{16}$ " x .160"
WM0067	$\frac{1}{2}$ "	$\frac{1}{2}$ " x $\frac{7}{16}$ "	WM0813	$\frac{1}{2}$ "	1" x $\frac{1}{2}$ "
WM0068	$\frac{7}{16}$ "	$\frac{3}{4}$ " x $\frac{7}{16}$ "	WM0815	$\frac{7}{16}$ "	$\frac{3}{4}$ " x $\frac{7}{16}$ "
WM0069	$\frac{7}{16}$ "	1 $\frac{1}{8}$ " x $\frac{1}{2}$ "	WM0816	$\frac{1}{2}$ "	$\frac{3}{4}$ " x $\frac{7}{16}$ "
WM0070	$\frac{1}{2}$ "	1 $\frac{1}{2}$ " x $\frac{1}{2}$ "	WM0817	$\frac{7}{16}$ "	1" x $\frac{3}{8}$ "
WM0071	$\frac{7}{16}$ "	1 $\frac{1}{8}$ " x $\frac{7}{16}$ "	WM0818	$\frac{7}{16}$ "	$\frac{1}{2}$ " x $\frac{1}{2}$ "
WM0072	$\frac{7}{16}$ "	$\frac{11}{16}$ " x $\frac{3}{8}$ "	WM0820	$\frac{3}{8}$ "	$\frac{3}{4}$ " x 12G
WM0073	$\frac{7}{16}$ "	$\frac{11}{16}$ " x $\frac{3}{8}$ "	WM0822	$\frac{1}{2}$ "	1" x 6 SWG
WM0074	$\frac{1}{2}$ "	1 $\frac{7}{16}$ " x .134"	WM0823	$\frac{1}{2}$ "	2" x 6 SWG
WM0075	$\frac{3}{8}$ "	1" x $\frac{3}{8}$ "	WM0829	$\frac{7}{16}$ "	2 $\frac{1}{2}$ " x .160"
WM0076	$\frac{11}{16}$ "	1 $\frac{1}{2}$ " x $\frac{1}{2}$ "	WM0830	$\frac{7}{16}$ "	1 $\frac{1}{2}$ " x .160"
WM0077	$\frac{11}{16}$ "	1 $\frac{3}{8}$ " x $\frac{1}{2}$ "	WM0831	$\frac{3}{8}$ "	2" x .192"
WM0078	$\frac{3}{8}$ "	1 $\frac{1}{8}$ " x $\frac{1}{2}$ "	WM0838	$\frac{1}{2}$ "	2" x 6 SWG
WM0079	$\frac{3}{8}$ "	1" x $\frac{1}{2}$ "	WM0841	$\frac{7}{16}$ "	1" x $\frac{1}{2}$ "
WM0081	$\frac{7}{16}$ "	$\frac{3}{4}$ " x $\frac{1}{2}$ "	WM0842	$\frac{3}{8}$ "	2" x 10 SWG
WM0082	$\frac{7}{16}$ "	$\frac{3}{8}$ " x $\frac{3}{8}$ "	WM0843	$\frac{7}{16}$ "	2" x $\frac{1}{2}$ "
WM0083	$\frac{7}{16}$ "	$\frac{3}{8}$ " x $\frac{1}{2}$ "			

## WASHER — COPPER AND ASBESTOS



**ABBREVIATIONS**

d = Inside Diameter

B = Outside Diameter

Part No.	Inside Diameter (d)	Outside Diameter (B)
SP52A	$\frac{3}{8}$ "	$\frac{1}{2}$ "



# WASHER — PLAIN — LIGHT



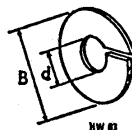
## ABBREVIATIONS

d = Inside Diameter

B = Outside Diameter

Part No.	Inside Diam. (d)	Outside Diam. (B)	Part No.	Inside Diam. (d)	Outside Diam. (B)
WP0002	No. 5	.31"	WP0112	$\frac{3}{8}$ "	$\frac{11}{16}$ "
WP0003	No. 6	.31"	WP0113	$\frac{1}{2}$ "	$\frac{1}{2}$ "
WP0004	No. 8	.38"	WP0117	$\frac{1}{2}$ "	$1\frac{1}{2}$ "
WP0005	No. 10	.44"	WP0118	No. 6	$\frac{7}{16}$ "
WP0006	No. 12	.50"	WP0119	$\frac{1}{2}$ "	$\frac{7}{8}$ "
WP0007	$\frac{1}{2}$ "	.63"	WP0120	$\frac{1}{2}$ "	1"
WP0008	$\frac{7}{16}$ "	.69"	WP0122	$\frac{1}{2}$ "	1"
WP0009	$\frac{3}{8}$ "	.81"	WP0124	$\frac{7}{16}$ "	$\frac{3}{4}$ "
WP0010	$\frac{7}{16}$ "	.92"	WP0125	$\frac{7}{16}$ "	$\frac{7}{8}$ "
WP0011	$\frac{1}{2}$ "	1.06"	WP0126	$\frac{7}{16}$ "	$\frac{7}{8}$ "
WP0012	$\frac{7}{16}$ "	1.19"	WP0127	$\frac{1}{2}$ "	$\frac{7}{8}$ "
WP0013	$\frac{3}{8}$ "	1.31"	WP0128	$\frac{1}{2}$ "	$\frac{1}{2}$ "
WP0014	$\frac{3}{8}$ "	1.50"	WP0129	$\frac{7}{16}$ "	$\frac{3}{4}$ "
WP0016	1"	2"	WP0130	$\frac{3}{8}$ "	$1\frac{1}{2}$ "
WP0017	$\frac{7}{16}$ "	1"	WP0131	$\frac{3}{8}$ "	$\frac{3}{4}$ "
WP0018	$\frac{3}{8}$ "	$\frac{1}{2}$ "	WP0132	$\frac{7}{16}$ "	$\frac{3}{4}$ "
WP0019	1"	1"	WP0133	$\frac{7}{16}$ "	$\frac{7}{8}$ "
WP0020	$\frac{3}{8}$ "	$\frac{3}{4}$ "	WP0135	$\frac{3}{8}$ "	$\frac{3}{4}$ "
WP0021	$\frac{7}{16}$ "	$\frac{3}{4}$ "	WP0136	$\frac{3}{8}$ "	1"
WP0022	$\frac{7}{16}$ "	1"	WP0137	$\frac{3}{8}$ "	$\frac{7}{8}$ "
WP0023	$\frac{1}{2}$ "	$\frac{1}{2}$ "	WP0138	No. 10	$\frac{1}{2}$ "
WP0024	$\frac{3}{8}$ "	$1\frac{1}{8}$ "	WP0139	$\frac{7}{16}$ "	$\frac{7}{8}$ "
WP0025	$\frac{7}{16}$ "	$1\frac{1}{8}$ "	WP0140	$\frac{1}{2}$ "	$\frac{7}{8}$ "
WP0026	$\frac{3}{8}$ "	$1\frac{1}{8}$ "	WP0142	$\frac{7}{16}$ "	$\frac{7}{8}$ "
WP0027	$\frac{7}{16}$ "	$\frac{3}{4}$ "	WP0143	$\frac{7}{16}$ "	$1\frac{1}{8}$ "
WP0028	$\frac{7}{16}$ "	$\frac{1}{2}$ "	WP0144	$\frac{1}{2}$ "	$\frac{1}{2}$ "
WP0029	$\frac{1}{2}$ "	$1\frac{1}{8}$ "	WP0146	$\frac{1}{2}$ "	$\frac{3}{4}$ "
WP0030	$\frac{3}{8}$ "	1"	WP0149	$1\frac{1}{8}$ "	$1\frac{1}{2}$ "
WP0031	$\frac{7}{16}$ "	$\frac{3}{4}$ "	WP0151	$\frac{3}{8}$ "	$1\frac{1}{8}$ "
WP0032	$\frac{7}{16}$ "	$\frac{3}{4}$ "	WP0153	$\frac{7}{16}$ "	$1\frac{1}{8}$ "
WP0033	$\frac{3}{8}$ "	$\frac{3}{4}$ "	WP0155	$\frac{3}{8}$ "	$1\frac{1}{8}$ "
WP0034	$\frac{7}{16}$ "	$\frac{7}{8}$ "	WP0156	No. 10	$\frac{3}{4}$ "
WP0035	$\frac{1}{2}$ "	$\frac{3}{4}$ "	WP0160	$\frac{7}{16}$ "	$1\frac{1}{8}$ "
WP0036	$\frac{3}{8}$ "	$1\frac{1}{8}$ "	WP0161	$\frac{1}{2}$ "	$\frac{1}{2}$ "
WP0037	$\frac{3}{8}$ "	$1\frac{1}{8}$ "	WP0163	$\frac{1}{2}$ "	$1\frac{1}{8}$ "
WP0038	$\frac{3}{8}$ "	1"	WP0164	$\frac{3}{8}$ "	$1\frac{1}{8}$ "
WP0039	$1\frac{1}{8}$ "	$1\frac{1}{8}$ "	WP0167	$\frac{1}{2}$ "	$\frac{3}{4}$ "
WP0041	$\frac{3}{8}$ "	$1\frac{1}{8}$ "	WP0172	$\frac{7}{16}$ "	$\frac{3}{4}$ "
WP0042	$\frac{1}{2}$ "	$\frac{1}{2}$ "	WP0173	No. 6	$\frac{7}{8}$ "
WP0043	$\frac{7}{16}$ "	$\frac{3}{4}$ "	WP0177	$\frac{1}{2}$ "	$\frac{3}{4}$ "
WP0045	$\frac{3}{8}$ "	$\frac{3}{4}$ "	WP0181	$\frac{7}{16}$ "	$\frac{7}{8}$ "
WP0046	$\frac{7}{16}$ "	$\frac{3}{4}$ "	WP0182	$\frac{7}{16}$ "	$\frac{3}{4}$ "
WP0047	$\frac{1}{2}$ "	1"	WP0184	$\frac{3}{8}$ "	$\frac{3}{4}$ "
WP0048	$\frac{3}{8}$ "	$\frac{3}{4}$ "	WP0185	$\frac{7}{16}$ "	$1\frac{1}{8}$ "
WP0101	$\frac{7}{16}$ "	$1\frac{1}{8}$ "	WP0188	$\frac{1}{2}$ "	$1\frac{1}{8}$ "
WP0103	$\frac{1}{2}$ "	$\frac{7}{8}$ "	WP0192	$\frac{1}{2}$ "	$\frac{1}{2}$ "
WP0105	$\frac{7}{16}$ "	$1\frac{1}{8}$ "	WP0193	$\frac{3}{8}$ "	$1\frac{1}{8}$ "
WP0106	No. 8	$\frac{1}{2}$ "	WP0196	$\frac{7}{16}$ "	$\frac{3}{4}$ "
WP0107	$\frac{7}{16}$ "	$\frac{3}{4}$ "	WP0197	$\frac{7}{16}$ "	$\frac{3}{4}$ "
WP0108	$\frac{7}{16}$ "	$\frac{3}{4}$ "	WP0198	$\frac{1}{2}$ "	$\frac{3}{4}$ "
WP0109	$\frac{1}{2}$ "	$\frac{1}{2}$ "	SP44E1	$\frac{7}{16}$ "	$\frac{1}{2}$ "
WP0110	$\frac{7}{16}$ "	$\frac{1}{2}$ "			

## WASHER — LOCK, LIGHT AND MEDIUM



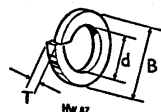
### ABBREVIATIONS

d = Inside Diameter

B = Outside Diameter

Part No.	Inside Diam. (d)	Outside Diam. (B)	Part No.	Inside Diam. (d)	Outside Diam. (B)
WL0202	No. 5	-23"	WL0217	$\frac{11}{16}$ "	$1\frac{1}{8}$ "
WL0203	No. 6	-24"	WL0218	$\frac{1}{2}$ "	$\frac{3}{4}$ "
WL0204	No. 8	-28"	WL0219	$\frac{1}{2}$ "	$\frac{3}{4}$ "
WL0205	No. 10	-32"	WL0220	No. 10	-33"
WL0207	$\frac{1}{4}$ "	-49"	WL0221	$\frac{1}{4}$ "	-49"
WL0208	$\frac{7}{16}$ "	-58"	WL0222	$\frac{7}{16}$ "	-59"
WL0209	$\frac{3}{8}$ "	-68"	WL0223	$\frac{3}{8}$ "	-68"
WL0210	$\frac{7}{16}$ "	-78"	WL0224	$\frac{7}{16}$ "	-78"
WL0211	$\frac{1}{2}$ "	-88"	WL0225	$\frac{3}{8}$ "	1-08"
WL0212	$\frac{7}{16}$ "	-98"	WL0226	$\frac{1}{2}$ "	1-28"
WL0213	$\frac{1}{2}$ "	1-08"	WL0227	$\frac{1}{2}$ "	-88"
WL0214	$\frac{3}{4}$ "	1-28"	WL0228	1"	1-672"
WL0216	$1\frac{1}{8}$ "	1-66"			

## WASHER — LOCK — SQUARE SECTION



### ABBREVIATIONS

d = Inside Diameter

B = Outside Diameter

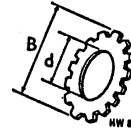
T = Thickness

Part No.	Inside Diameter (d)	Outside Diameter (B)	Thickness (T)
WQ0303	No. 6	-234"	-046"
WQ0304	No. 8		-046"
WQ0305	No. 10	-296"	-046"
WQ0307	$\frac{1}{2}$ "	-390"	-062"
WQ0308	$\frac{3}{8}$ "	-484"	-078"
WQ0309	$\frac{3}{8}$ "	-578"	-093"
WQ0310	$\frac{7}{16}$ "	-640"	-093"
WQ0312	$\frac{7}{16}$ "	-812"	-125"

**WASHER  
LOCK — DOUBLE COIL**



**WASHER  
SHAKEPROOF — EXTERNAL**



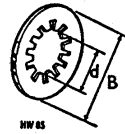
**ABBREVIATIONS**

**d = Inside Diameter**

**B = Outside Diameter**

Part No.	Inside Diam. (d)	Outside Diam. (B)	Part No.	Inside Diam. (d)	Outside Diam. (B)
WD0152	No. 5	$\frac{11}{16}$ "	WE0603	No. 6	$\frac{1}{8}$ "
WD0155	No. 10	$\frac{3}{4}$ "	WE0604	No. 8	$\frac{3}{8}$ "
WD0157	$\frac{1}{4}$ "	$\frac{11}{16}$ "	WE0605	No. 10	$\frac{2}{5}$ "
WD0158	$\frac{7}{16}$ "	$\frac{3}{4}$ "	WE0607	$\frac{1}{2}$ "	$\frac{11}{16}$ "
WD0159	$\frac{3}{8}$ "	$\frac{11}{16}$ "	WE0608	$\frac{7}{16}$ "	$\frac{11}{16}$ "
WD0160	$\frac{7}{16}$ "	$\frac{11}{16}$ "	WE0609	$\frac{3}{8}$ "	$\frac{7}{10}$ "
WD0161	$\frac{1}{2}$ "	$\frac{11}{16}$ "	WE0610	$\frac{7}{16}$ "	$\frac{11}{16}$ "
WD0163	$\frac{3}{8}$ "	1"	WE0613	$\frac{1}{2}$ "	$1\frac{1}{16}$ "
WD0167	$\frac{7}{16}$ "	$1\frac{1}{8}$ "			
WD0168	$\frac{7}{16}$ "	$\frac{11}{16}$ "			

**WASHER — SHAKEPROOF — INTERNAL**



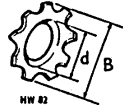
**ABBREVIATIONS**

**d = Inside Diameter**

**B = Outside Diameter**

Part No.	Inside Diam. (d)	Outside Diam. (B)	Part No.	Inside Diam. (d)	Outside Diam. (B)
WN0702	No. 5	.300"	WN0709	$\frac{3}{8}$ "	.685"
WN0703	No. 6	.300"	WN0710	$\frac{7}{16}$ "	.750"
WN0704	No. 8	.340"	WN0711	$\frac{1}{2}$ "	.875"
WN0705	No. 10	.400"	WN0712	$\frac{5}{8}$ "	.965"
WN0706	No. 12	.500"	WN0713	$\frac{3}{4}$ "	1.062"
WN0707	$\frac{1}{2}$ "	.500"	WN0714	$\frac{3}{4}$ "	1.250"
WN0708	$\frac{5}{8}$ "	.600"	WN0715*	$\frac{3}{4}$ "	1.375"

## WASHER — SHAKEPROOF — EXTERNAL — COUNTERSUNK



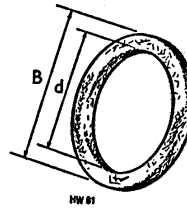
### ABBREVIATIONS

d = Inside Diameter

B = Outside Diameter

Part No.	Inside Diameter (d)	Outside Diameter (B)
WK7605	No. 10	.370"
WK7607	$\frac{1}{4}$ "	.468"

## WASHER — FIBRE



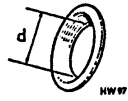
### ABBREVIATIONS

d = Inside Diameter

B = Outside Diameter

Part No.	Inside Diam. (d)	Outside Diam. (B)	Part No.	Inside Diam. (d)	Outside Diam. (B)
WF0505	No. 10	$\frac{3}{8}$ "	WF0529	$\frac{1}{2}$ "	$\frac{3}{4}$ "
WF0507	$\frac{1}{4}$ "	$\frac{3}{8}$ "	WF0530	$\frac{3}{8}$ "	$\frac{3}{4}$ "
WF0508	$\frac{1}{8}$ "	$\frac{1}{2}$ "	WF0531	$\frac{1}{4}$ "	$\frac{1}{2}$ "
WF0509	$\frac{3}{8}$ "	$\frac{3}{4}$ "	WF0532	$\frac{3}{8}$ "	$\frac{3}{4}$ "
WF0510	$\frac{7}{16}$ "	$\frac{1}{2}$ "	WF0534	$1\frac{1}{16}$ "	$1\frac{1}{2}$ "
WF0511	$\frac{1}{2}$ "	$\frac{3}{4}$ "	WF0535	$1\frac{1}{8}$ "	2"
WF0512	$\frac{9}{16}$ "	$\frac{7}{8}$ "	WF0537	$\frac{1}{2}$ "	$\frac{3}{4}$ "
WF0513	$\frac{5}{8}$ "	1"	WF0538	$\frac{3}{4}$ "	$1\frac{1}{4}$ "
WF0516	1"	$1\frac{1}{4}$ "	WF0539	$\frac{3}{4}$ "	$1\frac{1}{2}$ "
WF0519	$1\frac{1}{8}$ "	$1\frac{1}{2}$ "	WF0540	$\frac{1}{2}$ "	$\frac{3}{4}$ "
WF0521	$\frac{1}{2}$ "	$\frac{3}{4}$ "	WF0541	$\frac{1}{2}$ "	$\frac{3}{4}$ "
WF0523	$\frac{7}{16}$ "	$\frac{3}{4}$ "	WF0542	$\frac{7}{16}$ "	$\frac{3}{4}$ "
WF0524	$\frac{3}{8}$ "	$\frac{3}{4}$ "	WF0543	$\frac{1}{2}$ "	$1\frac{1}{4}$ "
WF0525	$\frac{1}{2}$ "	$\frac{3}{4}$ "	WF0545	$1\frac{1}{2}$ "	$2\frac{1}{2}$ "
WF0526	$\frac{3}{8}$ "	$\frac{3}{4}$ "	WF0549	$\frac{3}{8}$ "	$\frac{3}{4}$ "
WF0527	$\frac{3}{16}$ "	$1\frac{1}{16}$ "	WF0550	$\frac{3}{8}$ "	$1\frac{1}{4}$ "
WF0528	$\frac{1}{4}$ "	$1\frac{1}{4}$ "			

## WASHER — CUP — BRASS

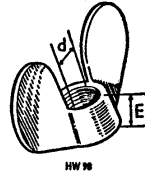


### ABBREVIATIONS

Suffix CP denotes Chrome Plated Finish  
W/Screw = Woodscrew

Part No.	Diameter (d)	Material
SP132DCP	No. 8 W/Screw	Brass
SP132ECP	No. 10 W/Screw	Brass

## WING NUT — BRASS



### ABBREVIATIONS

d = Thread Diameter  
N.F = National Fine Thread  
E = Thickness of Boss

Part No.	Thread Diameter (d)	Thickness of Boss (E)
V0242	No. 10 (-19") N.F.	$\frac{1}{4}$ "

## **Acknowledgements**

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