

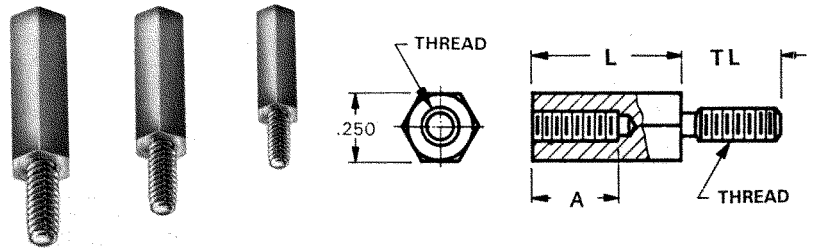
HEX MALE/FEMALE STANDOFFS

Designers' Choice



MALE/FEMALE .250 HEX THREADED STANDOFFS

CHOICE OF: Brass:ASTM-B16
 Plating: Nickel (QQ-N-290)
 Aluminum: QQ-Q-225/3
 Plating: Clear Iridite (Mil-C-5541)
 Stainless Steel: ASTM A581/A582



THREAD SIZE	TL EXTERNAL	A INTERNAL
4-40	3/16 (.187)	1/4 (.250)
6-32	1/4 (.250)	3/8 (.375)
8-32	3/8 (.375)	3/8 (.375)

4-40 THREAD			
LENGTH INCHES "L"	STAINLESS STEEL CAT. NO.	BRASS CAT. NO.	ALUMINUM CAT. NO.
1/4 (.250)**	8712	8713	8714
3/8 (.375)**	2087	7200	8400
1/2 (.500)	2088	1944	8401
5/8 (.625)	2089	1945	8402
3/4 (.750)	2090	1946	8403
7/8 (.875)	2091	7201	8404
1 (1.000)	2092	1947	8405
1-1/8 (1.125)	2093	7202	8406
1-1/4 (1.250)	2094	1948	8407
1-3/8 (1.375)	2095	1949	8408
1-1/2 (1.500)	2096	1950	8409
1-5/8 (1.625)	2097	7203	8410
1-3/4 (1.750)	2098	7205	8411
2 (2.000)	2099	1951	8412

6-32 THREAD			
LENGTH INCHES "L"	STAINLESS STEEL CAT. NO.	BRASS CAT. NO.	ALUMINUM CAT. NO.
1/4 (.250)**	8715	8716	8717
3/8 (.375)**	2119	7210	8413
1/2 (.500)	2120	1952	8414
5/8 (.625)	2121	1953	8415
3/4 (.750)	2122	1954	8416
7/8 (.875)	2123	7211	8417
1 (1.000)	2124	1644	8418
1-1/8 (1.125)	2125	7212	8419
1-1/4 (1.250)	2126	1955	8420
1-3/8 (1.375)	2127	1956	8421
1-1/2 (1.500)	2128	1645	8422
1-5/8 (1.625)	2129	7214	8423
1-3/4 (1.750)	2130	7215	8424
2 (2.000)	2131	1646	8425

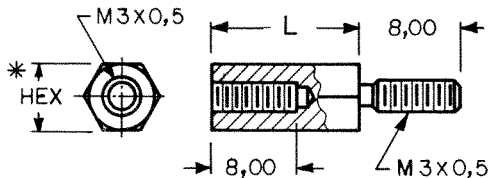
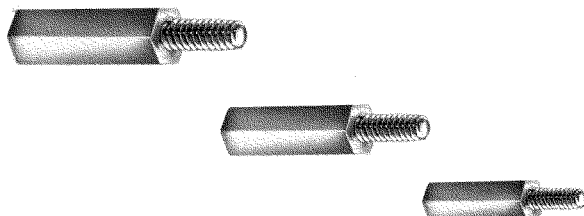
8-32 THREAD			
LENGTH INCHES "L"	STAINLESS STEEL CAT. NO.	BRASS CAT. NO.	ALUMINUM CAT. NO.
—	—	—	—
3/8 (.375)**	2149	7220	8426
1/2 (.500)	2150	1957	8427
5/8 (.625)	2151	1958	8428
3/4 (.750)	2152	1959	8429
7/8 (.875)	2153	7221	8430
1 (1.000)	2154	1960	8431
1-1/8 (1.125)	2155	7222	8432
1-1/4 (1.250)	2156	1961	8433
1-3/8 (1.375)	2157	1962	8434
1-1/2 (1.500)	2158	1963	8435
1-5/8 (1.625)	2159	7224	8436
1-3/4 (1.750)	2160	7225	8437
2 (2.000)	2161	1964	8438

** Internal Thread .250 Deep *** Internal Thread .130/.150 Deep

METRIC MALE/FEMALE

HEX THREADED STANDOFFS (5mm & 5.5mm)
 A comprehensive range of precision made metric male/female spacers.

MATERIAL: Brass, Nickel Plate.



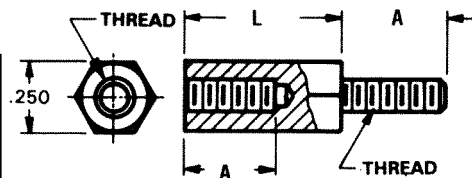
5mm HEX*	
CAT. NO.	"L"
4313	10mm
4314	12mm
4315	15mm
4316	18mm
4317	20mm
4318	25mm

5.5mm HEX*	
CAT. NO.	"L"
4319	10mm
4320	12mm
4321	15mm
4322	18mm
4323	20mm
4324	25mm

NYLON MALE/FEMALE .250 HEX

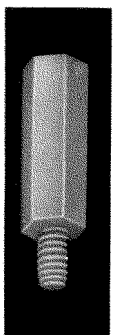
MATERIAL: Nylon 6/6

THREAD SIZE	A
4-40	3/16 (.187)
6-32	1/4 (.250)
8-32	3/8 (.375)



LENGTH INCHES "L"	4-40 THREAD CAT. NO.	6-32 THREAD CAT. NO.	8-32 THREAD CAT. NO.
1/4 (.250)	4800	4814*	4828*
3/8 (.375)	4801	4815	4829**
1/2 (.500)	4802	4816	4830
5/8 (.625)	4803	4817	4831
3/4 (.750)	4804	4818	4832
7/8 (.875)	4805	4819	4833
1 (1.000)	4806	4820	4834
1-1/8 (1.125)	4807	4821	4835
1-1/4 (1.250)	4808	4822	4836
1-3/8 (1.375)	4809	4823	4837
1-1/2 (1.500)	4810	4824	4838
1-5/8 (1.625)	4811	4825	4839
1-3/4 (1.750)	4812	4826	4840
2 (2.000)	4813	4827	4841

* Internal Thread .130/.150 Deep ** Internal Thread .250 Deep



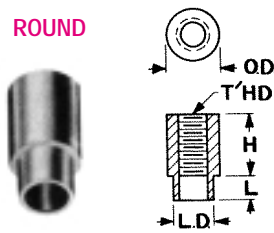
SWAGE/FORCE FIT STANDOFFS

Designers' Choice

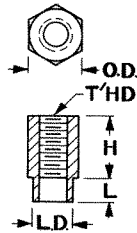


SWAGE THREADED STANDOFFS

ROUND



HEX



SPECIFICATIONS:

Brass: per ASTM-B16

Nickel Plate: QQ-N-290

ROUND CAT. NO.	H Height Above Panel	L Shank Length	For Panel Thickness	LD Shank Diameter	HEX CAT. NO.
2-56 THREAD × .156 O.D. (5/32")					
1589-2	.125	.109	1/16	.125	1731-2
1590-2	.187	.109	1/16	.125	1734-2
1591-2	.250	.109	1/16	.125	1740-2
1596-2	.375	.109	1/16	.125	1743-2
4-40 THREAD × .187 O.D. (3/16")					
2260-2	.125	.109	1/16	.139	2270-2
2261-2	.187	.109	1/16	.139	2271-2
2262-2	.250	.109	1/16	.139	2272-2
2263-2	.375	.109	1/16	.139	2273-2
2264-2	.500	.109	1/16	.139	2274-2
4-40 THREAD × .250 O.D. (1/4")					
1560 A	.125	.109	1/16	.187	1653-2
1560 F	.125	.140	3/32	.187	1653-3
1790-2	.187	.109	1/16	.187	1746-2
1790-3	.187	.140	3/32	.187	1746-3
1650-2	.250	.109	1/16	.187	1627-2
1650-3	.250	.140	3/32	.187	1627-3
1651-2	.375	.109	1/16	.187	1628-2
1651-3	.375	.140	3/32	.187	1628-3
1623-2	.500	.109	1/16	.187	1629-2
1623-3	.500	.140	3/32	.187	1629-3
1624-2	.625	.109	1/16	.187	1654-2
1624-3	.625	.140	3/32	.187	1654-3
1625-2	.750	.109	1/16	.187	1655-2
1625-3	.750	.140	3/32	.187	1655-3
1792-2	.875	.109	1/16	.187	1749-2
1792-3	.875	.140	3/32	.187	1749-3
1652-2	1.000	.109	1/16	.187	1630-2
1652-3	1.000	.140	3/32	.187	1630-3
6-32 THREAD × .250 O.D. (1/4")					
1560 B	.125	.109	1/16	.187	1620-2
1560 C	.125	.140	3/32	.187	1620-3
1612-2	.187	.109	1/16	.187	1752-2
1612-3	.187	.140	3/32	.187	1752-3
1546	.250	.109	1/16	.187	1621-2
1546 B	.250	.140	3/32	.187	1621-3
1546 D	.250	.171	1/8	.187	1621-4
1561 B	.375	.109	1/16	.187	1622-2
1561 C	.375	.140	3/32	.187	1622-3
1561 D	.375	.171	1/8	.187	1622-4
1604-2	.500	.109	1/16	.187	1758-2
1604-3	.500	.140	3/32	.187	1758-3
1604-4	.500	.171	1/8	.187	1758-4
1605-2	.625	.109	1/16	.187	1759-2
1605-3	.625	.140	3/32	.187	1759-3
1608-2	.750	.109	1/16	.187	1761-2
1608-3	.750	.140	3/32	.187	1761-3
1796-2	.875	.109	1/16	.187	1775-2
1796-3	.875	.140	3/32	.187	1775-3
1609-2	1.000	.109	1/16	.187	1784-2
1609-3	1.000	.140	3/32	.187	1784-3

STAKING TOOLS FOR SWAGE STANDOFFS

Precision made tools-heat treated and plater. Will give your job the professional appearance. Set of tools consists of: Top Staking Tool and Anvil.



CAT.NO.TL-19	For Bushing 5/32 OD with 2-56 Thd.
CAT.NO.TL-20	For Bushing 1/4 OD with 4-40 Thd.
CAT.NO.TL-21	For Bushing 1/4 OD with 6-32 Thd.

A broaching-type fastener/standoff for installation in panels and circuit boards .060 inch and thicker made of plastic and other non-ductile materials. Available threaded or with clearance holes. Easy to install, pressed into punched or drilled holes.

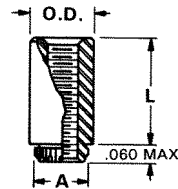
MATERIALS: Stainless Steel
per ASTM-A581/A582

Mounting Holes:

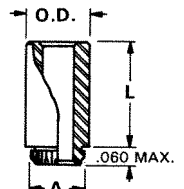
- .147 hole for 2-56.
- .166 hole for 4-40.
- .213 hole for 6-32.

Tolerance on Mounting Holes:

+ .003/- .000.



Threaded



Clear Hole

THREADED

CAT. NO.	THREAD	"L" LENGTH	O.D.	"A"
4860	2-56	.065	.219	.165
4861	4-40	.065	.219	.184
4862	4-40	.125	.219	.184
4863	4-40	.250	.219	.184
4864	4-40	.375	.219	.184
*4865	4-40	.500	.219	.184
4866	6-32	.065	.281	.231
4867	6-32	.125	.281	.231
4868	6-32	.250	.281	.231
4869	6-32	.375	.281	.231
*4870	6-32	.500	.281	.231

*Thread depth .375

CLEAR HOLE

CAT. NO.	I.D.	LENGTH	O.D.	"A"
4850	#4 (.116)	.065	.219	.184
4851	#4 (.116)	.125	.219	.184
4852	#4 (.116)	.250	.219	.184
4853	#4 (.116)	.375	.219	.184
4854	#4 (.116)	.500	.219	.184
4855	#6 (.143)	.065	.281	.231
4856	#6 (.143)	.125	.281	.231
4857	#6 (.143)	.250	.281	.231
4858	#6 (.143)	.375	.281	.231
4859	#6 (.143)	.500	.281	.231

CUSTOM SPACERS & STANDOFFS

Keystone is fully integrated to meet your total design & production needs.

Manufacturing custom designs & modifications of standard items is our specialty.

Quotations on special spacers & standoffs furnished promptly upon receipt of sample, sketch, print or CAD drawings.