

Palnuts®

Self-Locking Stamped Nuts

Most of the products featured on this page are manufactured with spring steel. ARaymond Tinnerman offers these parts in corrosion protection and/or aesthetically pleasing finishes.



Lock-Nut - Hex

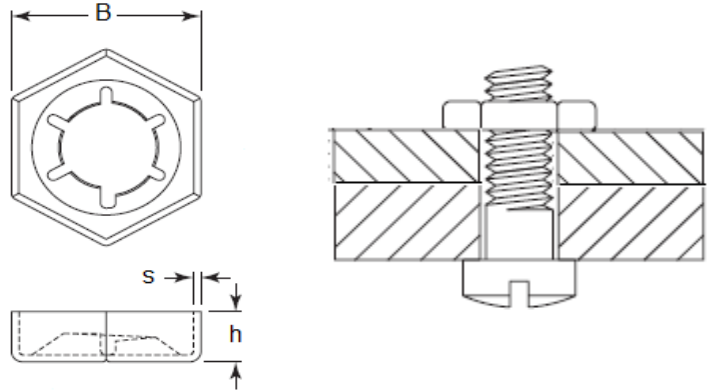
Part Number	Screw Size (SS)	Drive (B)	Height (h)	Material Thick. (s)
RM 632004	6-32	1/4"	0.080	0.012
RF 142000	1/4-20	7/16"	0.123	0.020
RF 516180	5/16-18	1/2"	0.134	0.020
RF 381600	3/8-16	9/16"	0.145	0.020
RL 716200	7/16-20	5/8"	0.150	0.020
RE 716280	7/16-28	5/8"	0.111	0.014
RF 121300	1/2-13	3/4"	0.179	0.026
RF 122000	1/2-20	3/4"	0.172	0.023
RF 916180	9/16-18	7/8"	0.193	0.023
RR 581100	5/8-11	1"	0.224	0.034
RF 341000	3/4-10	1 1/8"	0.246	0.038
RH 180000	1-8	1 5/8"	0.336	0.049
RF 060011	M6x1.0	11mm	3.050	0.460

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PALNUT® THREADED STAMPED NUTS

ARaymond Tinnerman Threaded Stamped Nuts are used in place of traditional hex-nuts for reduced weight or applications requiring lower torques. Parts are available in common screw sizes. The hex-shaped stamped nuts can be used in applications where screw length is restricted. They can also be used with a standard hex-nut to act as a jam nut.

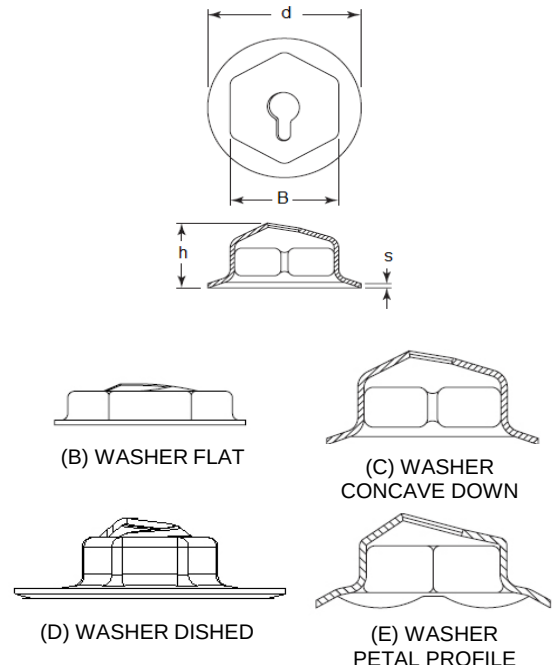
Washer style nuts feature a stamped, integral washer. This allows the part to accommodate a larger hole without the use of a separate loose washer. Sealants can be applied to the washer to reduce moisture and noise intrusion.



Lock-Nut - Washer

Part Number	Screw Size (SS)	Drive (B)	Diameter (d)	Height (h)	Material Thick. (s)	Design Variation
DZ 002191	6-18;6-20	11/32"	0.469	0.212	0.014	B
DO 632007	6-32	5/16"	0.437	0.204	0.014	C
DO 832075	8-32	11/32"	0.469	0.212	0.014	C
DO 832010	8-32	11/32"	0.625	0.234	0.015	C
DO 102408	10-24	3/8"	0.500	0.231	0.017	C
DO 102412	10-24	3/8"	0.750	0.269	0.017	C
DO 142095	1/4-20	7/16"	0.594	0.261	0.020	C
DO 142013	1/4-20	7/16"	0.812	0.292	0.020	C
DO 040012	M4x.7	9mm	12.000	5.650	0.360	C
DO 050014	M5x.8	10mm	14.000	5.790	0.380	C
DZ 002171	M6x1.0	11mm	21.000	6.860	0.460	D
DO 060024	M6x1.0	11mm	24.000	7.750	0.460	C
DFOV060024	M6x1.0	11mm	24.000	7.750	0.460	E
DO 051614	M5x1.6	10mm	14.000	6.400	0.460	C
DO 051619	M5x1.6	10mm	18.880	7.350	0.430	C
DZ 051612	M5x1.6	11mm	21.000	6.850	0.460	D

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SELF-THREADING STAMPED NUTS

ARaymond Tinnerman Self-Threading Stamped Nuts have the same features as threaded stamped nuts, but form their own thread on a smooth die cast, mild steel, or plastic stud. The interference caused by the nut and stud creates a strong locking force that prevents disassembly.

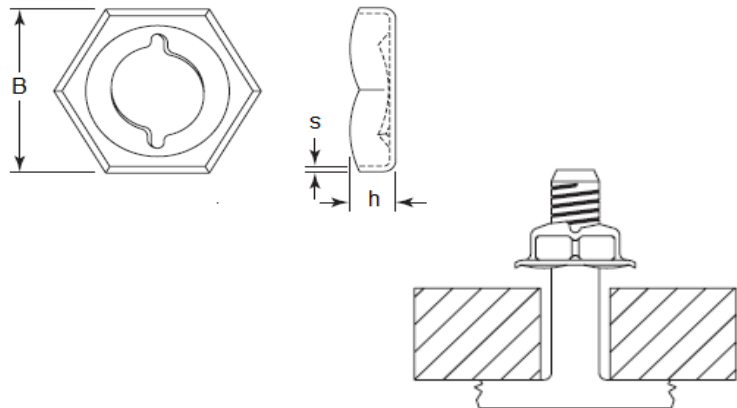
The hex-shape has the impression nearer to the base of the part. This can assist when stud height and assembly space is limited.

The washer type can accommodate a larger mating hole to compensate for component build variation. A seal can be added to the washer type nut to prevent noise and water intrusion.

Self-Threading - Hex

Part Number	Stud Size	Drive (B)	Height (h)	Material Thick. (s)
SR 094005	3/32"	5/16"	0.100	0.017
SR 030008	3mm	8mm	2.650	0.410
SR 125004	1/8"	1/4"	0.088	0.014
SR 156000	5/32-4mm	11/32"	0.110	0.016
SR 188006	3/16"	3/8"	0.116	0.019
SR 050010	5mm	10mm	2.750	0.480
SP 219000	7/32"	7/16"	0.118	0.015
SR 060013	6mm	13mm	3.400	0.640
SR 250000	1/4"	1/2"	0.140	0.025
SR 630013	1/4"	13mm	3.400	0.640
SR 375011	3/8"	11/16"	0.166	0.026

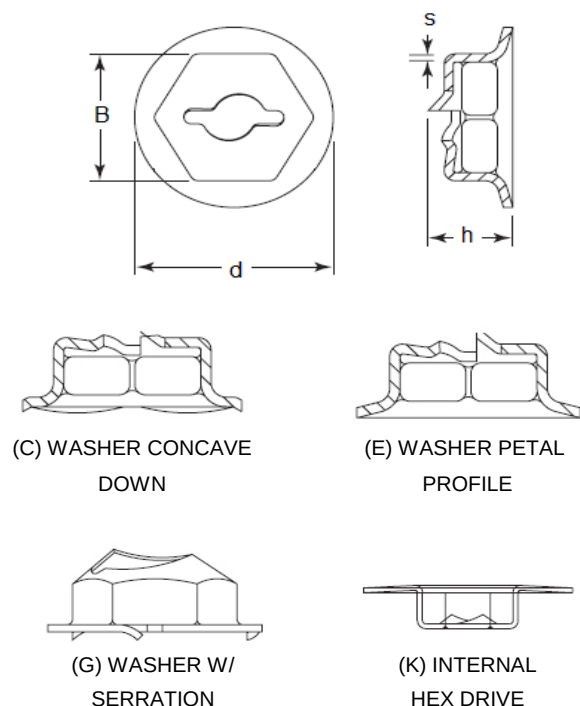
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Self-Threading - Washer

Part Number	Stud Size	Drive (B)	Diameter (d)	Height (h)	Material Thick. (s)	Design Variation
SD 125007	1/8"	5/16"	0.437	0.186	0.017	C
SD 156007	5/32-4mm	11/32"	0.450	0.202	0.018	C
SD 188008	3/16"	3/8"	0.500	0.217	0.017	C
SZ 001966	3/16"	3/8"	0.750	0.153	0.018	K
SZ 002003	5mm	10mm	14.820	5.030	0.510	G
SD 050015	5mm	10mm	15.000	5.400	0.430	C
SK 050021	5mm	10mm	21.000	6.840	0.480	C
SF 060015	6mm	11mm	15.000	6.350	0.530	E
SF 060018	6mm	11mm	18.000	7.180	0.530	E
SD 250095	1/4"	7/16"	0.594	0.247	0.021	C
SF 630018	1/4"	3/8"	18.000	7.060	0.530	E
SF 312014	5/16"-8mm	1/2"	0.875	0.309	0.023	E
SF 080020	5/16"-8mm	13mm	20.000	7.850	0.580	E
SP 330012	11/32"	9/16"	0.750	0.290	0.022	G
SP 330016	11/32"	1/2"	25.400	7.980	0.580	G

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The dimensions of the above parts are for reference only. For complete design information please contact your ARaymond Tinnerman Sales Professional.