



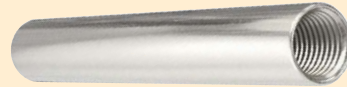
Fully-Threaded Rod



Double-End Threaded Stud w/Square Shank



Double-End Threaded Stud w/Round Shank



Internally Threaded Stud

## Threaded Rod and Threaded Stud Information

**Threaded Rods**—Headless, fully threaded metal bars are available in stock lengths of 1 ft. to 12 ft. Cut to length with a hacksaw or power band saw.

**Threaded Studs**—Headless metal rods are precut to standard lengths as short as 1/4". Can be threaded on 1 or both ends, or along entire length.

**Fully Threaded Studs**—Threaded the entire length with conventional threads. Commonly used with a nut on either end to clamp 2 parts together.

**Double-End Studs**—General term for studs with an unthreaded portion in the middle and threads on both ends. Also known as stud bolts.

## Fully-Threaded Rods

### ▪ Right-hand thread

Fully-threaded rods can be used for hanging, mounting, bracing, supporting, and fastening in plumbing, heating, electrical, construction, and fabrication applications.

Note: Additional lengths and materials are also available; go to Grainger.com.

Thread Size	1 ft Length Item No.	2 ft Length Item No.	3 ft Length Item No.	6 ft Length Item No.	12 ft Length Item No.
<b>18-8 Stainless Steel Plain Finish</b>					
#2-56	—	21YN77	21YN68	21YN91	—
#3-48	—	21YN87	21YN98	21YP11	—
#4-40	—	21YP12	21YN60	21YN70	—
#5-40	—	21YP13	21YP14	—	—
#6-32	19NN60	19NN61	19NN62	19NN63	—
#8-32	19NN64	19NN65	19NN66	19NN67	—
#10-24	19NN68	19NN69	19NN70	19NN71	—
#10-32	19NN72	19NN73	19NN74	19NN75	—
1/4"-20	10W656	10W657	4RD8	4RDH8	19NN76
1/4"-28	10W693	10W694	19NT30	19NT38	21YP22
5/16"-18	10W659	10W660	4RDG1	19NT39	10W661
5/16"-24	10W695	10W696	19NT31	19NT40	21YP23
3/8"-16	10W662	10W663	4RDG3	4RDJ3	10W664
3/8"-24	10W697	10W698	19NT32	19NT41	—
7/16"-14	10W665	10W666	4RDG5	19NT42	10W667
7/16"-20	10W699	10W701	19NT33	19NT43	—
1/2"-13	10W668	10W669	4RDG7	4RDJ7	10W670
1/2"-20	10W702	10W703	19NT34	19NT44	21YP24
9/16"-12	10W671	10W672	25DL54	10W673	10W674
3/8"-11	10W675	10W676	4RDG9	4RDJ9	10W677
3/8"-18	10W704	10W705	19NT35	10W706	21YN88
3/4"-10	10W678	10W679	4RDH2	4RDK1	10W680
3/4"-16	10W707	10W708	19NT36	19NT45	—
7/8"-9	10W681	10W682	4RDH4	19NT46	10W683
7/8"-14	10W709	10W710	19NT37	10W711	21YP26
1"-8	10W684	10W685	4RDH6	4RDK4	—
1"-14	—	—	4RDH7	—	10W686
1 1/8"-7	—	—	25DL55	21YN95	21YN97
1 1/8"-17	19NN77	19NN78	19NN79	19NN80	—
1 1/8"-24	19NN79	19NN80	19NN81	4RDK6	—
1 3/8"-5	21YP06	21YP09	—	21YP19	—
2-4 1/2	21YP10	21YP20	—	21YP21	—
<b>316 Stainless Steel Plain Finish</b>					
#2-56	21YN67	21YN69	21YN82	21YN90	—
#4-40	—	21YN72	21YN66	21YN73	—
#6-32	19NN82	19NN83	19NN84	19NN85	—
#8-32	19NN86	19NN87	19NN88	19NN89	—
#10-24	19NN90	19NN91	19NN92	19NN93	—
#10-32	19NN94	19NN95	19NN96	19NN97	—
1/4"-20	19NN98	19NN99	4RDK7	4RDL7	—
1/4"-28	19NL69	19NL70	29DT92	19NL71	21YP28
5/16"-18	19NP01	19NP02	22RV35	19NT50	—
5/16"-24	19NL72	19NL73	29DT93	19NL74	21YP29
3/8"-16	19NP03	19NP04	22RV36	4RDL9	21YN63
3/8"-24	19NL75	19NL76	29DT94	19NL77	21YP30
1/2"-13	19NP05	19NL52	4RD11	4RDN1	21YN62
1/2"-20	19NL78	19NL79	29DT96	19NL80	21YP31
9/16"-18	—	—	29DT97	—	—
9/16"-11	19NL53	19NL54	22RV37	4RDN2	21YN84
9/16"-18	19NL81	19NL82	29DT98	19NL83	21YP32
3/4"-10	19NL55	19NL56	4RD13	4RDN3	—
3/4"-16	19NL84	19NL85	29DT99	19NL86	—
7/8"-9	19NL57	19NL58	19NT48	4RDN4	21YP05
7/8"-9	—	—	4RD14	—	—
7/8"-14	—	—	29DU01	—	—
1"-8	19NL59	19NL60	4RD15	4RDN5	—
1 1/8"-7	19NL61	10L830	19NL62	19NL63	21YP01
1 1/8"-7	10L833	19NL64	19NT49	19NL65	21YP07

Thread Size	1 ft Length Item No.	2 ft Length Item No.	3 ft Length Item No.	6 ft Length Item No.	12 ft Length Item No.
1 1/2"-6	10L836	19NL66	19NL67	19NL68	21YP08
2-4 1/2	—	—	21YP04	—	—
<b>Aluminum Clear Coat Finish</b>					
#6-32	—	—	10P776	10P777	—
#10-24	—	—	10P778	10P779	—
#10-32	—	—	10P780	10P781	—
1/4"-20	—	—	10P782	10P783	—
5/16"-18	—	—	10P784	10P785	—
3/8"-16	—	—	10P786	10P787	—
1/2"-13	—	—	10P788	10P789	—
3/8"-11	—	—	10P790	10P791	—
3/4"-10	—	—	10P792	10P793	—
<b>Grade 2 Steel Black Oxide Finish</b>					
1"-14	10W525	—	—	—	10W526
<b>Grade 2 Steel Hot Dipped Galvanized Finish</b>					
1/2"-13	—	—	—	—	10W623
3/4"-10	—	—	—	—	10W627
<b>Grade 2 Steel Zinc Plated Finish</b>					
5/16"-18	10P573	—	—	—	—
3/8"-16	—	—	—	—	10P576
1/2"-13	10P577	—	—	—	10P578
3/4"-10	—	—	—	—	10P582
1"-14	10P616	—	4RD06	4RDE8	22P460
<b>Grade A Steel Black Oxide Finish</b>					
#3-48	—	19NP87	19NP88	—	—
#4-40	—	19NP90	22P342	19NP89	—
#5-40	—	19NP92	19NT25	19NP91	—
#6-32	19NM36	19NP94	4FGV7	19NP93	—
#8-32	19NM37	19NP96	19NT26	19NP97	22P351
#10-24	19NM38	19NR15	19NT27	29DM84	—
2"-56	19NM39	19NP83	19NP84	19NP85	—
1/4"-20	19NM40	4FGT4	4FGV8	4FGY5	19NM41
1/4"-28	19NM70	19NT23	19NT28	4FGY6	22P375
5/16"-18	19NM42	4FGT5	4FGV9	4FGY7	19NM43
5/16"-24	19NM71	4FGT6	4FGW1	4FGY8	22P376
3/8"-16	19NM44	4FGT7	4FGW2	4FGY9	19NM45
3/8"-24	19NM72	19NT24	19NT29	4FGZ1	19NR16
1/2"-13	19NR02	4FGT8	4FGW3	4FGZ2	—
1/2"-20	19NR17	19NR18	4FGW4	4FGZ3	19NR19
1/2"-24	19NM46	4FGT9	4FGW5	4FGZ4	19NM47
9/16"-18	19NM73	4FGU1	4FGW6	4FGZ5	19NM74
9/16"-12	19NR05	19NR06	4FGW7	19NR07	19NR09
3/4"-10	19NR20	22P382	22P383	4FGZ6	—
3/4"-16	19NM50	4FGU4	4FGX1	4FGZ8	19NM51
7/8"-9	19NM26	4FGU5	4FGX2	4FGZ9	19NM27
7/8"-14	19NM52	4FGU6	4FGX3	4FHA1	19NM54
1"-8	19NM28	19NR22	4FGX4	4FHA2	10W524
1"-12	19NM55	4FGU7	4FGX5	4FHA3	19NM57
1"-18	19NM29	22P388	19NR23	—	19NM30
1 1/8"-7	19NM58	4FGU9	4FGX7	22P368	10P650
1 1/8"-12	19NM31	4FGV1	4FGX8	22P390	19NM32
1 1/4"-7	19NM60	4FGV2	4FGX9	4FHA5	19NM62
1 1/4"-12	19NM33	4FGV3	4FGY1	4FHA6	19NM34
1 3/8"-6	19NM63	19NR12	—	19NR14	10P656
1 3/8"-12	10W533	10W534	10W535	10W536	10W537
1 1/2"-6	19NM65	4FGV4	4FGY2	4FHA7	19NM67
1 1/2"-12	19NM35	4FGV5	4FGY3	19NM36	10W542

Thread Size	1 ft Length Item No.	2 ft Length Item No.	3 ft Length Item No.	6 ft Length Item No.	12 ft Length Item No.
1 3/4"-5	10P660	22P372	22P373	4FHA8	10P663
1 3/4"-12	22P391	22P392	22P393	19NN37	10W547
2"-4 1/2	19NM68	4FGV6	4FGY4	19NM69	10P667
2"-12	19NN38	19NN39	19NN40	19NN41	—
<b>Grade A Steel Hot Dipped Galvanized Finish</b>					
3/8"-16	—	19NN42	19NT51	19NT52	19NN43
1/2"-14	—	—	25DL42	—	—
1/2"-13	—	19NN44	4FHC7	4FHD4	19NN45
9/16"-12	—	—	29DM69	—	—
3/8"-11	—	19NN46	4FHC8	4FHD5	19NN47
3/4"-10	—	19NN48	4FHC9	4FHD6	19NN49
7/8"-9	—	19NN50	4FHD1	4FHD7	19NN51
1"-8	—	19NN52	4FHD2	4FHD8	19NN53
1 1/8"-7	—	19NN54	4FHD3	—	19NN55
1 1/4"-7	—	19NN56	29DM70	3 FHD9	19NN57
1 3/8"-6	—	—	29DM71	—	—
1 1/2"-6	—	10W636	29DM72	19NN59	10W639
1 3/4"-5	—	—	29DM73	—	—
2"-4 1/2	—	—	29DM77	—	—
<b>Grade A Steel Zinc Plated Finish</b>					
#4-40	—	19NR24	19NR25	29DM78	—
#5-40	—	19NR26	19NR27	29DM79	—
#6-32	29DM80	19NR28	19NR29	19NR29	—
#8-32	29DM81	19NR30	19NR31	19NR31	—
#10-24	19NL91	19NR32	19NR33	19NR33	—
#10-32	19NL92	19NR44	19NR45	29DM85	—
2"-56	19NL93	4FGH4	4FGK3	4FGN6	19NL94
1/4"-20	19NM22	19NR94	19NR95	19NR96	—
5/16"-18	19NL95	4FGH5	4FGK4	4FGN7	19NL96
5/16"-24	19NM23	19NR95	19NR96	19NR97	22P443
3/8"-16	19NL97	4FGH6	4FGK5	4FGN8	19NL98
3/8"-24	19NM24	19NR96	19NR97	19NR98	19NR46
1/2"-14	29DM83	4FGH7	4FGK6	4FGN9	—
1/2"-20	19NR47	19NR97	19NR98	19NR99	22P446
1/2"-13	19NL99	4FGH8	4FGK7	4FGP1	19NM01
1/2"-20	19NM25	4FGH9	4FGK8	4FGP2	19NR49
9/16"-12	19NR37	4FGJ1	4FGK9	4FGP3	22P428
9/16"-18	19NR50	19NR98	19NR99	19NR51	—
3/8"-11	19NM02	4FGJ2	4FGJ1	4FGP4	19NM03
3/8"-18	19NM26	19NR99	19NR100	19NR101	19NR53
3/4"-10	19NM04	4FGJ3	4FGJ2	4FGP5	19NM05
3/4"-16	19NM27	19NR101	19NR102	19NR103	22P454
7/8"-9	19NM06	4FGJ4	4FGJ3	4FGP6	19NM07
7/8"-14	19NM28	22P455	19NR104	4FGP7	22P456
1"-8	19NM08	4FGJ5	4FGJ4	4FGP8	19NM10
1"-12	19NM29	19NR55	—	—	22P459
1 1/8"-7	19NM11	4FGJ7	19NR40	4FGP9	19NM12
1 1/8"-12	19NM30	4FGJ8	22P462	22P463	22P464
1 1/4"-7	19NM13	4FGJ8	4FGJ5	4FGR1	19NM15
1 1/2"-12	19NM31	19NR102	19NR103	4FGP10	22P465
1 3/8"-6	19NM16	4FGJ9	19NR42	22P434	10P594
1 3/8"-12	19NM32	—	29DM86	19NM33	22P466
1 1/2"-16	19NM17	4FGK1	4FGJ6	4FGR2	19NM18
1 1/2"-12	19NM34	19NR57	19NR106	19NM35	—
1 3/4"-5	10P597	4FGK2	4FGJ7	4FGR1	10P602
1 3/4"-12	10P623	—	—	10P624	22P468
2"-4 1/2	19NM19	19NM20	19NM21	10P606	10P607

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