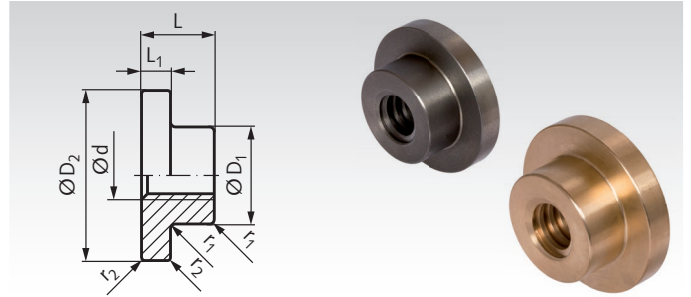


## Round Flange Nuts with Metric ISO-Trapezoidal Thread DIN 103, Single-Thread

**Material:** Grey cast iron GG25  
Red brass Rg7 (CuSn7Zn4Pb7-C).

Tolerance zone 7H.




Ordering Details: e.g.: Product No. 644 010 00, round flange nut made from GG25, Tr. 10 x 3, single thread, right hand

### Single thread, right hand    Single thread, left hand

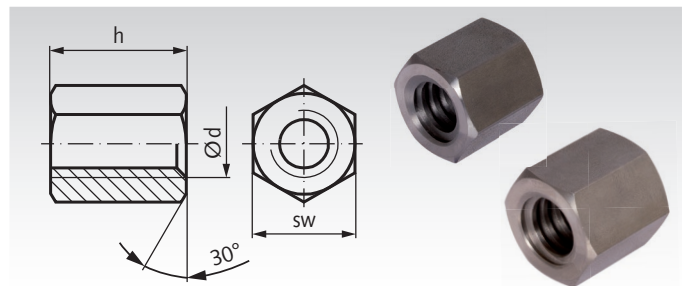
Product No. Grey Cast Iron right hand	Product No. Red Brass right hand	Product No. Red Brass left hand	Tr. Thread Ø d mm	Ø <sup>h11</sup>		DIN ISO 2768 m				Weight	
				D <sub>1</sub> mm	D <sub>2</sub> mm	L mm	L <sub>1</sub> mm	r <sub>1</sub> mm	r <sub>2</sub> mm	Iron kg	Brass kg
644 010 00	644 110 00	644 410 00	10 x 3*	20	33	14	5	0,5	0,3	0,04	0,05
644 012 00	644 112 00	644 412 00	12 x 3	22	40	18	6	0,5	0,3	0,08	0,09
644 014 00	644 114 00	644 414 00	14 x 4*	30	50	22	10	1,0	0,5	0,19	0,23
644 016 00	644 116 00	644 416 00	16 x 4	30	50	22	10	1,0	0,5	0,18	0,22
-	644 118 00	644 418 00	18 x 4	36	60	24	10	1,0	0,5	-	0,30
644 020 00	644 120 00	644 420 00	20 x 4	36	60	24	10	1,0	0,5	0,26	0,32
644 024 00	644 124 00	644 424 00	24 x 5	45	70	30	11	1,0	0,5	0,45	0,54
644 028 00	644 128 00	644 428 00	28 x 5	58	88	47	14	1,0	0,5	1,06	1,29
644 030 00	644 130 00	644 430 00	30 x 6	58	88	47	14	1,0	0,5	1,04	1,26
644 032 00	644 132 00	644 432 00	32 x 6	58	88	47	14	1,0	0,5	1,00	1,20
644 036 00	644 136 00	644 436 00	36 x 6	80	112	58	18	2,0	1,0	2,35	2,84
644 040 00	644 140 00	644 440 00	40 x 7	80	137	63	18	2,0	1,0	3,04	3,67
644 044 00	644 144 00	644 444 00	44 x 7	80	137	63	18	2,0	1,0	2,93	3,53
644 048 00	644 148 00	644 448 00	48 x 8	90	167	68	18	2,0	1,0	4,35	5,25
644 050 00	644 150 00	644 450 00	50 x 8	90	167	68	18	2,0	1,0	4,22	5,10
644 052 00	644 152 00	644 452 00	52 x 8	90	167	68	18	2,0	1,0	4,22	5,10
644 060 00	644 160 00	644 460 00	60 x 9	90	167	68	18	2,0	1,0	3,85	4,65

\* Lead angle is not in accordance with DIN 103.  
Comparison of friction coefficients see page 445.

## Hexagonal Nuts with Metric ISO-Trapezoidal Thread DIN 103, Single-Thread

**Material:** Steel C35Pb.  
Stainless steel 1.4305 (AISI 303), Stainless. 

Tolerances:  
Thread: 7H.  
h: DIN ISO 2768 m  
sw: DIN 176



Ordering Details: e.g.: Product No. 643 110 00, Hexagonal Nut, Steel, Tr. 10 x 3, Single-Thread, Right Hand

### Single-Thread, Right Hand

Product No. Steel	Product No. Stainless	Ø d mm	h = 1,5 x d mm	sw mm	Weight kg
643 110 00	-	10 x 3*	15	17	0,02
643 112 00	643 991 12	12 x 3	18	19	0,03
643 114 00	-	14 x 4*	21	22	0,04
643 116 00	643 991 16	16 x 4	24	27	0,08
643 118 00	-	18 x 4	27	27	0,10
643 120 00	643 991 20	20 x 4	30	30	0,12
643 124 00	643 991 24	24 x 5	36	36	0,20
643 128 00	643 991 28	28 x 5	42	46	0,42
643 130 00	643 991 30	30 x 6	45	46	0,42
643 132 00	-	32 x 6	48	46	0,42
643 136 00	643 991 36	36 x 6	54	55	0,72
643 140 00	643 991 40	40 x 7	60	65	1,20
643 144 00	-	44 x 7	66	65	1,18
643 148 00	-	48 x 8	72	75	1,82
643 150 00	-	50 x 8	75	75	1,80
643 152 00	-	52 x 8	78	75	1,80
643 160 00	-	60 x 9	90	90	3,18
643 170 00	-	70 x 10	105	90	2,86

### Single-Thread, Left Hand

Product No. Steel	Product No. Stainless	Ø d mm	h = 1,5 x d mm	sw mm	Weight kg
643 610 00	-	10 x 3*	15	17	0,02
643 612 00	643 996 12	12 x 3	18	19	0,03
643 614 00	-	14 x 4*	21	22	0,04
643 616 00	643 996 16	16 x 4	24	27	0,08
643 618 00	-	18 x 4	27	27	0,10
643 620 00	643 996 20	20 x 4	30	30	0,12
643 624 00	643 996 24	24 x 5	36	36	0,20
643 628 00	-	28 x 5	42	46	0,42
643 630 00	-	30 x 6	45	46	0,42
643 632 00	-	32 x 6	48	46	0,42
643 636 00	-	36 x 6	54	55	0,72
643 640 00	-	40 x 7	60	65	1,20
643 644 00	-	44 x 7	66	65	1,18
643 648 00	-	48 x 8	72	75	1,82
643 650 00	-	50 x 8	75	75	1,80
643 652 00	-	52 x 8	78	75	1,80
643 660 00	-	60 x 9	90	90	3,18
643 670 00	-	70 x 10	105	90	2,86

\* Lead angle is not in accordance with DIN 103.  
Comparison of friction coefficients see page 445.