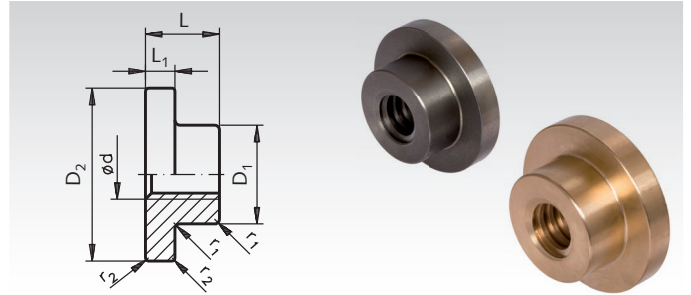


Round Flange Nuts with Metric ISO-Trapezoidal Thread DIN 103, Single-Thread

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. Grey Cast Iron left hand	Product No. Red Brass left hand	Tr. Thread Ø d mm	Ø ^{h11}		DIN ISO 2768 m		r ₁ mm	r ₂ mm	Weight	
					D ₁ mm	D ₂ mm	L mm	L ₁ mm			Iron kg	Brass kg
644 010 00	644 110 00	644 310 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	644 312 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	644 314 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	644 316 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	644 320 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	644 324 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	644 328 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	644 330 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	644 332 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	644 336 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	644 340 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	644 344 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	644 348 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	644 350 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	644 352 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	644 360 00	644 460 00	60 x 9	90	167	68	18	2,0	1,0	3,85	4,65

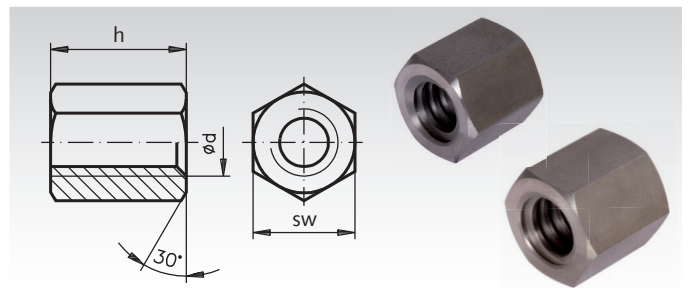
* Lead angle is not in accordance with DIN 103.
Comparison of friction coefficients see page 445.

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

Material: Steel C35Pb.
Stainless steel 1.4305, 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.