

# Precision Lock Nuts / Hook Spanners for Bearing Lock Nuts

**Price Reduction**  
Average 25%

CAD Data

**Precision Lock Nuts** RoHS

Screw Accuracy  
ISO Class 4H

Type	Perpendicularity of End Face (max.)	Max. Tightening Torque (Nm) Set Screw	€ Unit Price
PLNY (Standard)	⊥ 0.005 A	3.5	PLNY
PLN (High-Grade)	⊥ 0.002 A	18.0	PLN

Components	Material	Hardness	Surface Treatment
Main Body	1.7220/34CrMo4	28-32HRC	Black Oxide
Set Screw	1.7220/34CrMo4	35-40HRC	Black Oxide
Locking Metal (*)	Phosphor Bronze	-	-

\* Locking metal is the metal at the tip portion of set screw.

Part Number Type	M	MxPitch (Fine Thread)	D	d	B	S	T	m	Perpendicularity of End Face (max.)	Max. Tightening Torque (Nm) Set Screw	€ Unit Price	
											PLNY	PLN
(Standard) PLNY	8	8x0.75	16	11	8	3	2	2xM4	- PLNY 0.005	3.5		
	10	10x1.0	18	13								
	12	12x1.0	20	16								
	15	15x1.0	25	21								
	17	17x1.0	28	23								
	20	20x1.0	32	27								
(High-Grade) PLN	25	25x1.5	38	33	10	4	2.5	3xM5	- PLN 0.002	8.0		
	30	30x1.5	45	40								
	35	35x1.5	52	47								
	40	40x1.5	58	52								
	45	45x1.5	65	59								
	50	50x1.5	70	64								
	55	55x2.0	75	68	14	6	3	3xM6		18.0		
	60	60x2.0	80	73								

**Order Example**

Part Number: **PLNY8**

Days to Ship: **6 Days**

Price: **2 Days**

**Volume Discount** (Round down to one Cent) P87

Quantity	1-19	20-29	30-49
Rate	€ Unit Price	5%	10%

For orders larger than indicated quantity, please request a quotation.

**Price**

€ Unit Price

**Hook Spanners for Bearing Lock Nuts** RoHS

Material: Chrome Vanadium Steel

Surface Treatment: Cathodic Electrodeposition Coating

For No.30 or smaller sizes, no tabs on R1 part.

Part Number Type	No.	R1	R2	B	C	T	H	L	Shaft Dia.	Round Nut Bearing Nut	€ Unit Price	
											Qty. 1 - 9	10 - 49 pcs.
MFK	16	8	10	1.5	2	4	11	108	Ø16 / Ø18	M8 / M10		
	20	10	11									
	25	12.5	14									
	30	15	16									
	34	17	19									
	45	22.5	24								2.5	2.5
	52	26	27.5									
	58	29	32.5									
	65	32.5	35									
	70	35	37.5									

**Order Example**

Part Number: **MFK25**

Days to Ship: **8 Days**

Express A: **2,00 EUR/ piece**

Price: **2 Days**

**Volume Discount** (Round down to one Cent) P88

Quantity	1-49	50-74	75-99	100-199
Rate	€ Unit Price	5%	10%	18%

For orders larger than indicated quantity, please request a quotation.

**Price**

€ Unit Price

# Bearing Lock Nuts

-Square · Hexagon-

CAD Data

**Square** RoHS

Type	Coarse	Fine	Material	Hardness	Surface Treatment	Accessory
BNG	BNR		1.0038/S235JR	-	Black Oxide	Set Piece (Copper Alloy)
BNGC	BNRC		1.1191/C45E Thermal Refined	22-28HRC	Black Oxide	Set Screw (1.7220/34CrMo4)
BNGS	BNRS		1.4301/X5CrNi18-10	-	-	Set Screw (1.4301/X5CrNi18-10)

BNGC and BNRC has identification mark (C) on the side of nut.

6.3 / (1.6)

Tighten the set screw after inserting the set piece.  
For Set Piece Specifications, refer to P2-206  
1.1191/C45E Thermal Refined excels in durability.

Part Number Type	M	MxPitch Coarse	MxPitch Fine	D	d	F	B	C	S	m	Coarse Thread € Unit Price			Fine Thread € Unit Price		
											BNG	BNGC	BNGS	BNR	BNRC	BNRS
(Coarse Thread) BNG, BNGC, BNGS	3	M3x0.5	M3x0.35	11.5	4	10	5.5	3	0.5	M3 (With set piece)						
	4	M4x0.7	M4x0.5	13.5	9	11										
	5	M5x0.8	M5x0.5	14.5	10	12										
	6	M6x1.0	M6x0.75	17	13	14										
	8	M8x1.25	M8x1.0	20	16	17										
	10	M10x1.5	M10x1.0	22	17	19										
(Fine Thread) BNR, BNRC, BNRS	12	-	M12x1.0	25	21	22	8	5	1	M4 (With set piece)						
	15	-	M15x1.0	35	26	30										
	16	M16x2.0	-	43	33	35										
	17	-	M17x1.0	43	33	35										
	20	M20x2.5	M20x1.0	48	39	40										
	24	M24x3.0	-	48	43	45										
	25	-	M25x1.5	53	48	49	20	14	2	M5 (With set piece)						
	30	M30x3.5	M30x1.5	66	61	63										
	35	-	M35x1.5													
	40	-	M40x1.5													
	40	-	M40x1.5													
	50	-	M50x1.5													

**Hexagon** RoHS

Type	Coarse	Fine	Material	Hardness	Surface Treatment	Accessory
Set Screw Type	BNCM	BNSC	1.0038/S235JR	-	Black Oxide	Set Piece (Copper Alloy)
	-	BNSCC	1.1191/C45E Thermal Refined	20-24HRC	-	Set Screw (1.7220/34CrMo4)
	BNCMS	BNSCS	1.4305/X10CrNiS18-9	-	-	Set Screw (1.4301/X5CrNi18-10)
Screw Type	BNBM	BNBS	1.0038/S235JR	-	Black Oxide	Hexagon Socket Bolt (1.7220/34CrMo4)
	-	BNBSC	1.1191/C45E Thermal Refined	20-24HRC	-	Hexagon Socket Bolt (1.7220/34CrMo4)
	BNBMS	BNBS	1.4305/X10CrNiS18-9	-	-	Hexagon Socket Bolt (1.4301/X5CrNi18-10)

BNSCC, BNBM and BNBS have a round identification groove in front.

1.1191/C45E Thermal Refined excels in durability.

6.3 / (1.6)

Part Number Type	M	MxPitch Coarse	MxPitch Fine	D	C	Set Screw			Screw Type							€ Unit Price																					
						(e)	F	B	B1	M1	(e1)	F1	B1	b1	M2	X	Y	Z	d	R	BNCM BNCS	BNSCC	BNCMS BNCS	BNBM BNBS	BNBSC	BNBMS BNBS											
(Coarse Set Screw) BNCM, BNCS, BNCMS	5	M5x0.8	M5x0.5	9	0.2	19.6	17	9																													
	6	M6x1.0	M6x0.75	10		27.7	24																														
(Coarse Screw) BNBM, BNBS, BNBMS	8	M8x1.25	M8x1.0	13		31.2	27																														
	10	M10x1.5	M10x1.0	16		34.6	30																														
(Fine Set Screw) BNCS, BNSCC, BNCS	15	-	M15x1.0	21		31.2	27																														
	16	M16x2.0	-	26		37.0	32																														
(Fine Screw) BNBS, BNBS, BNBSS	20	M20x2.5	M20x1.0	26		47.3	41																														
	24	M24x3.0	-	33		47.3	41																														
	25	-	M25x1.5	39		57.7	50																														
	30	M30x3.5	M30x1.5	39		57.7	50																														

**Order Example**

Part Number: **BNR12 BNRC12**

Days to Ship: **6 Days**

Price: **2 Days**

**Volume Discount** (Round down to one Cent) P87

Quantity	1-49	50-74	75-99	100-199
Rate	€ Unit Price	5%	10%	18%

For orders larger than indicated quantity, please request a quotation.

**Price**

€ Unit Price