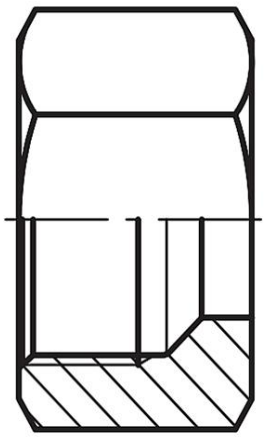
Din Tube Nut/Compression Nut / Union Nut





Industry Standard:

DIN 3870 / ISO 8434-1

Design Type:

Union, Thrust-wire Nut For Swivel OR

Material:

Carbon Steel/Stainless Steel

Finish:

Zinc Plated/Zn-Ni Alloy Plated

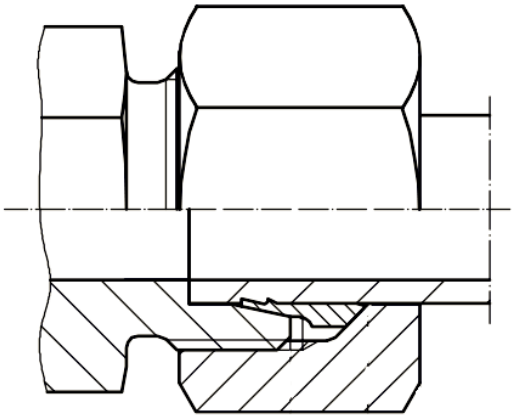
FITSCH

Introduction Of Tube Nut

Tube nuts is used for pushing the cutting ring bite into hydraulic tube, connecting the adapter fittings, it has different symbols such as ISO “N”, Parker “M”, Winner”NL/NS” etc, it is also coupling nuts and union nut.. We also provide wire nut and customized nut for your different need.

Assembly Of Tube Nut

The nut for pushing the front and second (two)edge to cut(double bite) the designed depth into the tube, with the correct torque of wrench, do it in the instruction of fittings assembly.



Standards Of Tube Nut

Products meet standard of DIN 3870(LL series), DIN 2353 and ISO 8434-1.

Finish is 72 hours without surface coating corrosion acc.to ISO 9227 Fe/Zn8/Cn/T0(T2).

Design of Tube Nut

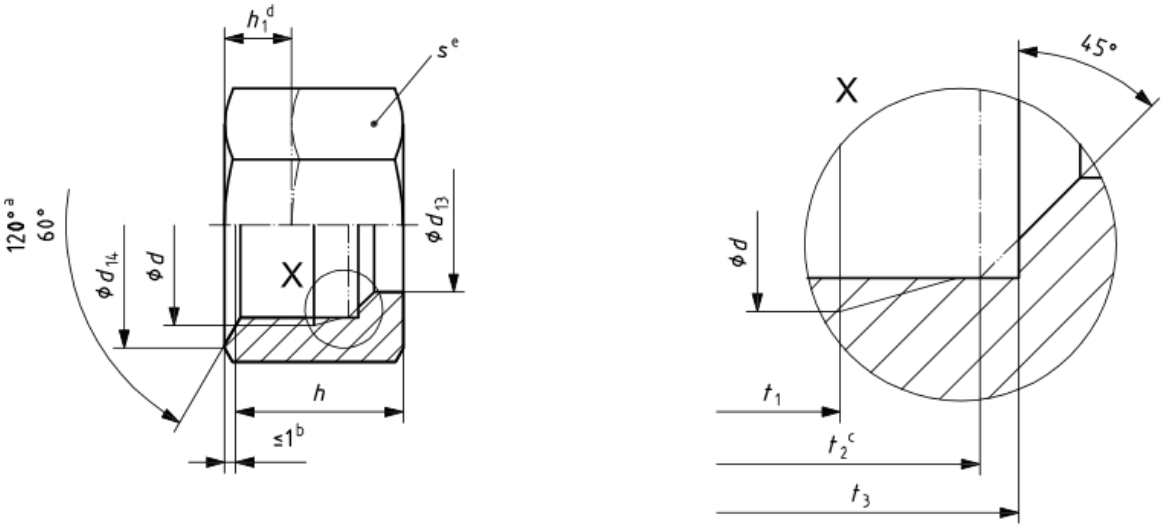
ISO 8434-1 is instead of DIN 3870 design of tube nut, nuts should be made of carbon steel, stainless steel and copper alloy, to be used with correspond to the fitting bodies.

Raw Material types of DIN tube nut

They are either cold formed, hot formed or machined from cold drawn, it is based on different size for right material shapes.

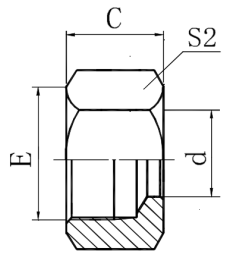


Dimensions of nuts from ISO 8434-1(DIN3870)



Series	Tube OD	Thread d	d13 B11	d14 ref.	11 min.	h +0.5 -0.2	h1 ±1	s	t2 0 +0.2	t3 0 +0.2
LL	4	M8×1	4	9.8	5	11	3.5	10	7.5	8
	5	M10×1	5	11.8	5.5	11.5	3.5	12	7.8	8.5
	6	M10×1	6	11.8	5.5	11.5	3.5	12	8.2	8.5
	8	M12×1	8	13.8	6	12	3.5	14	8.7	9
L	6	M12×1.5	6	13.8	7	14.5	4	14	10	10.5
	8	M14×1.5	8	16.8	7	14.5	4	17	10	10.5
	10	M16×1.5	10	18.8	8	15.5	4	19	11	11.5
	12	M18×1.5	12	21.8	8	15.5	5	22	11	11.5
	15	M22×1.5	15	26.8	8.5	17	5	27	11.5	12.5
	18	M26x1.5	18	31.8	8.5	18	5	32	11.5	13
	22	M30×2	22	35.8	9.5	20	7	36	13.5	14.5
	28	M36×2	28	40.8	10	21	7	41	14	15
	35	M45×2	35.3	49.8	12	24	8	50	16	17
	42	M52×2	42.3	59.6	12	24	8	60	16	17
S	6	M14×1.5	6	16.8	8.5	16.5	5	17	11	12.5
	8	M16×1.5	8	18.8	8.5	16.5	5	19	11	12.5
	10	M18×1.5	10	21.8	8.5	17.5	5	22	11	12.5
	12	M20×1.5	12	23.8	8.5	17.5	5	24	11	12.5
	16	M24×1.5	16	29.8	10.5	20.5	6	30	13	14.5
	20	M30x2	20	35.8	12	24	8	36	15.5	17
	25	M36×2	25	45.8	14	27	g	46	17	19
	30	M42×2	30	49.8	15	29	10	50	18	20
	38	M52×2	38.3	59.6	17	32.5	10	6o	19.5	22.5

Catalogue Of Tube Nut



NLL/NL/NS

Tube Nut/Union Nut REF: ISO 8434-1/ DIN 3861

PART NO.	THERAD E	DIMENSIONS			Cross reference		Weight g/1 piece	Min. tube wall thickness	Final assembly [Nm] or 30°
		d	C	S2	Parker PN	ISO 8434-1			
LL SERIE									
NLL-08	M8×1	4	11	10	M04LL	N04LM8	4		
NLL-10	M10×1	6	11.5	12	M06LL	N06LM10	6		
NLL-12	M12×1	8	12	14	M08LL	N08LM12	7		
NLL-14	M14×1	10	12.5	17	M10LL	N10LM14	11		
NLL-16	M16×1	12	13	19	M12LL	N12LM16	13		
L SERIE									
NL-12	M12X1.5	6	14.5	14	M06L	N06LM12	10	6x1	25
NL-14	M14X1.5	8	14.5	17	M08L	N08LM14	15	8x1	40-45
NL-16	M16X1.5	10	15.5	19	M10L	N10LM16	18	10x1	50-55
NL-18	M18X1.5	12	15.5	22	M12L	N12LM18	25	12x1.5	70-80
NL-22	M22X1.5	15	17	27	M15L	N15LM22	42	15x1.5	90-100
NL-26	M26X1.5	18	18	32	M18L	N18LM26	62	18x1.5	115-150
NL-30	M30X2	22	20	36	M22L	N22LM30	82	22x2	200-210
NL-36	M36X2	28	21	41	M28L	N28LM36	89	28x2	250-310
NL-45	M45X2	35	24	50	M35L	N35LM45	137	35x3	400-500
NL-52	M52X2	42	24	60	M42L	N42LM52	216	42x3	500-600
S SERIE									
NS-14	M14X1.5	6	16.5	17	M06S	N06SM14	17	6x2	35-45
NS-16	M16X1.5	8	16.5	19	M08S	N08SM16	20	8x1.5	55-60
NS-18	M18X1.5	10	17.5	22	M10S	N10SM18	31	10x1.5	70-80
NS-20	M20X1.5	12	17.5	24	M12S	N12SM20	34	12x1.5	85-100
NS-22	M22X1.5	14	20.5	27	M14S	N14SM22	53	14x2	110-135
NS-24	M24X1.5	16	20.5	30	M16S	N16SM24	66	16x1.5	120-150
NS-30	M30X2	20	24	36	M20S	N20SM30	102	20x2	200-250
NS-36	M36X2	25	27	46	M25S	N25SM36	202	25x2.5	340-400
NS-42	M42X2	30	29	50	M30S	N30SM42	219	30x3	480-500
NS-52	M52X2	38	32.5	60	M38S	N38SM52	339	38x4	600-850

NOTE: If order stainless steel please add SS after part no, ie NL-06SS.