

PHILDAS INDUSTRIAL NUT

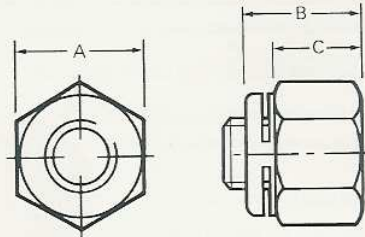
Industrial self-locking nuts

The most versatile self-locking nut in the Philidas range is the Philidas Industrial which can be confidently recommended as the first choice for most industrial applications. The Philidas Industrial is an all-metal one piece nut with a collar above the hexagon. Two slots, in the same plane, are cut in the collar and the metal above the slots set to depitch the threads. When the nut is tightened on to a bolt, the thread is gripped on the flank - the point at which it is designed to take the thrust.

The all-metal Philidas Industrial nut is suitable for use in high or low temperature conditions, and the locking performance is unaffected by oil, petrol or other liquids and vapours. It is easily assembled with hand or power tools, and will lock effectively either to a face or unsupported. Standard finishes are zinc and chromate passivation or self colour for metric threads and zinc or self colour for other threads. Special grades of material, finish and design are available subject to minimum manufacturing quantities.

ISO metric coarse /standard

Size (mm)	Order reference	Dimensions (mm)		
		A a/f	B (nom)	C (nom)
5	5 MCI	8,0	6,5	4,3
6	6 MCI	10,0	7,5	5,0
8	8 MCI	13,0	8,5	5,7
10	10 MCI	17,0	11,0	8,0
12	12 MCI	19,0	13,0	9,5
14	14 MCI	22,0	15,0	11,0
16	16 MCI	24,0	17,0	12,8
18	18 MCI	27,0	20,0	15,5
20	20 MCI	30,0	22,0	17,5
22	22 MCI	32,0	23,0	18,0
24	24 MCI	36,0	25,0	19,5
27	27 MCI	41,0	28,0	22,0
30	30 MCI	46,0	31,0	24,5
33	33 MCI	50,0	33,0	26,2
36	36 MCI	55,0	36,0	28,6
39	39 MCI	60,0	39,0	31,1
42	42 MCI	65,0	42,0	33,5
45	45 MCI	70,0	45,0	36,0
48	48 MCI	75,0	48,0	38,0
52	52 MCI	80,0	52,0	41,5



A minimum protrusion of two bolt threads is recommended.

UNF and UNC / standard and thin

Size (in)	Order reference				Dimensions (in)				
	UNF		UNC		A a/f	B(max)		C(nom)	
	Standard	Thin	Standard	Thin		Standard	Thin	Standard	Thin
8 - 32	-	-	CUCI	CUCJ	0,312	0,235	0,170	0,157	0,092
10 - 32	DUFI	DUFJ	-	-	0,344	0,267	0,203	0,174	0,110
¹ / ₄	EUFI	EUFJ	EUCI	EUCJ	0,437	0,270	0,203	0,175	0,108
⁵ / ₁₆	GUFI	GUFJ	GUCI	GUCJ	0,500	0,330	0,246	0,225	0,141
³ / ₈	JUFI	JUFJ	JUCI	JUCJ	0,562	0,400	0,296	0,285	0,183
⁷ / ₁₆	LUFI	LUFJ	LUCI	LUCJ	0,687	0,480	0,340	0,345	0,205
¹ / ₂	NUFI	NUFJ	NUCI	NUCJ	0,750	0,546	0,404	0,395	0,253
⁹ / ₁₆	PUFI	PUFJ	PUCI	PUCJ	0,875	0,600	0,433	0,438	0,266
⁵ / ₈	QUFI	QUFJ	QUCI	QUCJ	0,937	0,672	0,493	0,503	0,319
³ / ₄	SUFI	SUFJ	SUCI	SUCJ	1,125	0,785	0,593	0,593	0,401
⁷ / ₈	UUFJ	UUFJ	UUCI	UUCJ	1,312	0,913	0,650	0,698	0,435
1	WUFI	WUFJ	WUCI	WUCJ	1,500	1,032	0,743	0,788	0,499
¹ / ₈	XUFI	XUFJ	XUCI	XUCJ	1,687	1,160	0,881	0,897	0,618
¹ / ₄	YUFI	YUFJ	YUCI	YUCJ	1,875	1,280	0,990	1,000	0,711
¹ / ₂	ZUFI	ZUFJ	ZUCI	ZUCJ	2,062	1,400	1,120	1,105	0,825
¹ / ₂	H2UFI	H2UFJ	H2UCI	H2UCJ	2,250	1,530	1,250	1,210	0,930
¹ / ₄	H3UFI	H3UFJ	H3UCI	H3UCJ	2,625	1,780	1,500	1,410	1,130
2	H4UFI	H4UFJ	H4UCI	H4UCJ	3,000	2,020	1,740	1,620	1,340
² / ₄	H5UFI	H5UFJ	H5UCI	H5UCJ	3,375	2,215	1,940	1,745	1,470
² / ₂	H6UFI	H6UFJ	H6UCI	H6UCJ	3,750	2,470	2,140	2,000	1,670
² / ₄	H7UFI	H7UFJ	H7UCI	H7UCJ	4,125	2,762	2,340	2,275	1,853
3	H8UFI	H8UFJ	H8UCI	H8UCJ	4,500	2,962	2,540	2,450	2,028

BA, BSF AND BSW / standard and thin available on request

Available from: www.nutsandbolts.co.uk