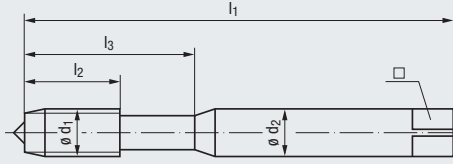


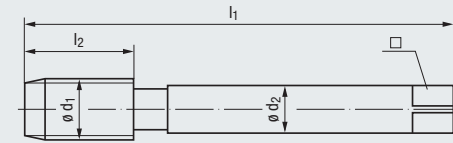
- Product Finder
- V_c
- UNC
- UNF
- M
- MF
- G
- STI
- SELF-LOCK
- Tech. Info

DIN Length - ANSI Shank

Overall length acc. to DIN 2174



Reinforced Shank
(No.0 - 3/8)



Reduced Shank
(7/16 - 7/8)



UNF
Unified Fine Thread
ASME B1.1

Class of Fit
Coating
Cutting Material
Technical Characteristics

Thread Depth and Hole Shape

Applications - Material

2BX	2BX	2BX	2BX
GLT-8	GLT-8	TICN	TICN
HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM
C / 2-3	E / 1.5-2	C / 2-3	C / 2-3
E / O / P	E / O	E / O / P	E / O
max. 3 x d ₁	max. 3 x d ₁	max. 3 x d ₁	max. 3 x d ₁
N 1.1-4, 2.1-2	N 1.1-4, 2.1-2	N 1.4-6	N 1.4-6








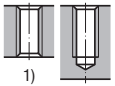
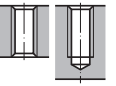
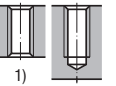
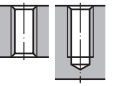
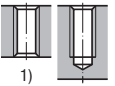
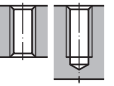
Reinforced Shank

Nominal Size ø d ₁	T.P.I.	l ₁	l ₂	inch			□	Tool Identification		BU37Y700	BU44Y700	BU37Q200	BU38Q200
				l ₃	ø d ₂	□		Dimens. ID	InnoForm 1-AL-SN-PM GLT-8				
No. 0	80	1.626	0.157	0.433	0.141	0.110	0.0551	.5033					
No. 1	72	1.772	0.157	0.472	0.141	0.110	0.0669	.5034					
No. 2	64	1.772	0.177	0.472	0.141	0.110	0.0795	.5035	●		●		
No. 3	56	1.969	0.197	0.551	0.141	0.110	0.0913	.5036	●		●		
No. 4	48	2.205	0.236	0.709	0.141	0.110	0.1031	.5037	●		●		
No. 5	44	2.205	0.276	0.709	0.141	0.110	0.1150	.5038	●		●		
No. 6	40	2.205	0.276	0.787	0.141	0.110	0.1268	.5039	●		●		
No. 8	36	2.480	0.315	0.827	0.168	0.131	0.1516	.5040	●		●		
No. 10	32	2.756	0.394	0.984	0.194	0.152	0.1752	.5041	●	●	●		●
No. 12	28	3.150	0.394	1.142	0.220	0.165	0.2008	.5042	●		●		●
1/4	28	3.150	0.394	1.181	0.255	0.191	0.2343	.5043	●	●	●		●
5/16	24	3.543	0.394	1.260	0.318	0.238	0.2933	.5044	●	●	●		●
3/8	24	3.937	0.394	1.535	0.381	0.286	0.3563	.5045	●	●	●		●

Reduced Shank

Nominal Size ø d ₁	T.P.I.	l ₁	l ₂	inch			□	Tool Identification		CU37Y700	CU44Y700	CU37Q200	CU38Q200
				l ₃	ø d ₂	□		Dimens. ID	InnoForm 2-AL-SN-PM GLT-8				
7/16	20	3.937	0.512	—	0.323	0.242	0.4154	.5046	●	●	●		●
1/2	20	3.937	0.512	—	0.367	0.275	0.4783	.5047	●	●	●		●
9/16	18	3.937	0.591	—	0.429	0.322	0.5374	.5048	●	●	●		●
5/8	18	3.937	0.591	—	0.480	0.360	0.6004	.5049	●	●	●		●
3/4	16	4.331	0.669	—	0.590	0.442	0.7224	.5050	●	●	●		●
7/8	14	4.921	0.669	—	0.697	0.523	0.8425	.5051	●	●	●		●

We recommend a smaller preparatory diameter by 0.002 in for difficult to form materials (such as aluminum cast alloys) for P = 24 T.P.I. and coarser threads. For further information regarding the recommended preparatory diameters, see page 208 - 209.

GAL Aluminum Cast Alloys		Z CNC-Controlled Machines								
										
2BX TICN HSSE-PM E / 1.5-2 E / O		2BX TIN-T1 HSSE-PM C / 2-3 E / O / P	2BX TIN-T1 HSSE-PM C / 2-3 E / O	2BX TIN-T1 HSSE-PM C / 2-3 E / O	2BX TIN-80 HSSE-PM C / 2-3 E / O / P	2BX TIN-80 HSSE-PM C / 2-3 E / O	2BX TIN-80 HSSE-PM E / 1.5-2 E / O / P	Class of Fit Coating Cutting Material Technical Characteristics		
max. 3 x d ₁ 		max. 3 x d ₁ 	max. 3 x d ₁ 	max. 3 x d ₁ 	max. 3 x d ₁ 	max. 3 x d ₁ 	Thread Depth and Hole Shape			
N 1.4-6		P 1.1-4.1 M 1.1-3.1 ²⁾ K 2.1 N 2.1-2, 2.4-5 S 1.1-2.2 ²⁾ S 2.4 ²⁾	P 1.1-4.1 M 1.1-3.1 ²⁾ K 2.1 N 2.1-2, 2.4-5 S 1.1-2.2 ²⁾ S 2.4 ²⁾	P 1.1-4.1 M 1.1-3.1 ²⁾ K 2.1 N 2.1-2, 2.4-5 S 1.1-2.2 ²⁾ S 2.4 ²⁾	P 1.1-5.1 M 1.1-3.1 ²⁾ K 2.1 N 2.1-2, 2.4-5 S 1.1-2.2 ²⁾ S 2.4 ²⁾	P 1.1-5.1 M 1.1-3.1 ²⁾ K 2.1 N 2.1-2, 2.4-5 S 1.1-2.2 ²⁾ S 2.4 ²⁾	P 1.1-5.1 M 1.1-3.1 ²⁾ K 2.1 N 2.1-2, 2.4-5 S 1.1-2.2 ²⁾ S 2.4 ²⁾	Applications – Material		
BU44Q200 InnoForm 1-GAL/E-SN IKZ-PM-TICN		BU92F000 Druck 1-Z-SN PM-TIN-T1	BW92F000 Druck 1-Z-SN- IKZ PM-TIN-T1	BW10F000 Druck 1-Z-SN- IKZN PM-TIN-T1	BU37Z700 InnoForm 1-Z-SN-PM TIN-80	BU38Z700 InnoForm 1-Z-SN- IKZ PM-TIN-80	BU39Z700 InnoForm 1-Z/E-SN PM-TIN-80	Tool Identification		
								Dimens. ID	Nominal Size ø d ₁	T.P.I.
								.5033	No. 0	80
								.5034	No. 1	72
								.5035	No. 2	64
								.5036	No. 3	56
								.5037	No. 4	48
								.5038	No. 5	44
								.5039	No. 6	40
								.5040	No. 8	36
								.5041	No.10	32
								.5042	No.12	28
								.5043	1/4	28
								.5044	5/16	24
								.5045	3/8	24
CU44Q200 InnoForm 2-GAL/E-SN IKZ-PM-TICN		CU92F000 Druck 2-Z-SN PM-TIN-T1	CW92F000 Druck 2-Z-SN- IKZ PM-TIN-T1	CW10F000 Druck 2-Z-SN- IKZN PM-TIN-T1	CU37Z700 InnoForm 2-Z-SN-PM TIN-80	CU38Z700 InnoForm 2-Z-SN- IKZ PM-TIN-80	CU39Z700 InnoForm 2-Z/E-SN PM-TIN-80	Tool Identification		
								Dimens. ID	Nominal Size ø d ₁	T.P.I.
								.5046	7/16	20
								.5047	1/2	20
								.5048	9/16	18
								.5049	5/8	18
								.5050	3/4	16
								.5051	7/8	14

1) Cold-forming in through holes is possible only with external cooling/lubrication
2) Restricted application possibilities with emulsion

Product Finder

V_c

UNC

UNF

M

MF

G

ST

SELF-LOCK

Tech. Info

