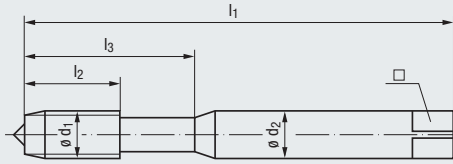
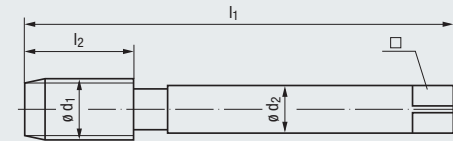


- Product Finder
- V_c
- UNC
- UNF
- M
- MF
- G
- STI
- SELF-LOCK
- Tech. Info

DIN Length • DIN Shank



Reinforced Shank
(M2 - M10)



Reduced Shank
(M12 - M20)

M

**ISO Metric Coarse Thread
DIN 13**

Class of Fit
Coating
Cutting Material
Technical Characteristics



Thread Depth and Hole Shape

Applications – Material

	AL Aluminum Wrought Alloys			GAL Aluminum Cast Alloys
new				
Class of Fit	6HX	6HX	6HX	6HX
Coating	GLT-8	GLT-8	GLT-8	TICN
Cutting Material	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM
Technical Characteristics	C / 2-3	C / 2-3	E / 1.5-2	C / 2-3
	E / O / P	E / O	E / O	E / O / P
Thread Depth and Hole Shape	max. 3 x d ₁ 	max. 3 x d ₁ 	max. 3 x d ₁ 	max. 3 x d ₁
Applications – Material	N 1.1-4, 2.1-2	N 1.1-4, 2.1-2	N 1.1-4, 2.1-2	N 1.4-6

Reinforced Shank

Nominal Size ø d ₁	P	mm			ø d ₂	□	Tool Identification		B521Y700	B523Y700	B531Y700	B521Q200
		l ₁	l ₂	l ₃			Dimens. ID	InnoForm 1-AL-SN-PM GLT-8				
M 2	0.4	45	4	12	2.8	2.1	1.85	.0020	★			
M 2.5	0.45	50	5	14	2.8	2.1	2.33	.0025	★			
M 3	0.5	56	6	18	3.5	2.7	2.8	.0030	★			
M 3.5	0.6	56	7	20	4	3	3.25	.0035				
M 4	0.7	63	7	21	4.5	3.4	3.7	.0040	★	★	★	
M 4.5	0.75	70	8	25	6	4.9	4.2	.0045				
M 5	0.8	70	8	25	6	4.9	4.65	.0050	★	★	★	★
M 6	1	80	10	30	6	4.9	5.6	.0060	★	★	★	★
M 8	1.25	90	14	35	8	6.2	7.45	.0080	★	★	★	★
M 10	1.5	100	16	39	10	8	9.35	.0100	★	★	★	★

Reduced Shank









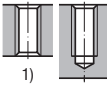
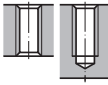
Nominal Size ø d ₁	P	mm			ø d ₂	□	Tool Identification					
		l ₁	l ₂	l ₃			Dimens. ID					
M 12	1.75	110	18	—	9	7	11.25	.0112				
M 14	2	110	20	—	11	9	13.1	.0114				
M 16	2	110	22	—	12	9	15.1	.0116				
M 18	2.5	125	25	—	14	11	16.85	.0118				
M 20	2.5	140	25	—	16	12	18.85	.0120				

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



We recommend a smaller preparatory diameter by 0.05 mm for difficult to form materials (such as aluminum cast alloys) for P ≥ 1 mm.
For further information regarding the recommended preparatory diameters, see page 208 - 209.

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

GAL Aluminum Cast Alloys		H Materials of high tensile strength		Z CNC-Controlled Machines				
								
new	new			new	new			
6HX	6HX	6HX	6HX	6HX	6HX	Class of Fit		
TICN	TICN	TIN-T26	TIN-T26	TIN-80	TIN-80	Coating		
HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	Cutting Material		
C / 2-3	E / 1.5-2	C / 2-3	C / 2-3	C / 2-3	C / 2-3	Technical Characteristics		
E / O	E / O	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 		Thread Depth and Hole Shape		
N 1.4-6	N 1.4-6	P 2.1-5.1	P 2.1-5.1	P 1.1-5.1	P 1.1-5.1	Applications – Material		
		K 2.1	K 2.1	M 1.1-3.1 2)	M 1.1-3.1 2)			
				K 2.1	K 2.1			
				N 2.1-2, 2.4-5	N 2.1-2, 2.4-5			
				S 1.1-2.2 2)	S 1.1-2.2 2)			
				S 2.4 2)	S 2.4 2)			
B523Q200	B531Q200	B521W700	B523W700	B521Z700	B523Z700	Tool Identification		
InnoForm 1-GAL-SN IKZ-PM-TICN	InnoForm 1-GAL/E-SN IKZ-PM-TICN	InnoForm 1-H-SN-PM TIN-T26	InnoForm 1-H-SN-IKZ PM-TIN-T26	InnoForm 1-Z-SN-PM TIN-80	InnoForm 1-Z-SN-IKZ PM-TIN-80	Dimens. ID	Nominal Size ø d ₁	P
						.0020	M 2	0.4
						.0025	M 2.5	0.45
				*		.0030	M 3	0.5
						.0035	M 3.5	0.6
				*	*	.0040	M 4	0.7
						.0045	M 4.5	0.75
*	*	*	*	*	*	.0050	M 5	0.8
*	*	*	*	*	*	.0060	M 6	1
*	*	*	*	*	*	.0080	M 8	1.25
*	*	*	*	*	*	.0100	M 10	1.5
		C521W700	C523W700	C521Z700	C523Z700	Tool Identification		
		InnoForm 2-H-SN-PM TIN-T26	InnoForm 2-H-SN-IKZ PM-TIN-T26	InnoForm 2-Z-SN-PM TIN-80	InnoForm 2-Z-SN-IKZ PM-TIN-80	Dimens. ID	Nominal Size ø d ₁	P
		*	*	*	*	.0112	M 12	1.75
		*	*	*	*	.0114	M 14	2
		*	*	*	*	.0116	M 16	2
		*	*	*	*	.0118	M 18	2.5
		*	*	*	*	.0120	M 20	2.5



● = In stock
★ = Allow 7 days for delivery