Turning Holder Nomenclature – ISO

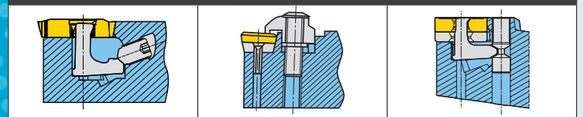
Start Here

On the right is an example of a turning holder part number. The corresponding tables below define each segment of the part number »

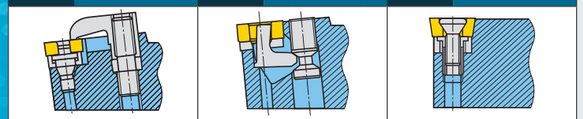
P	C	L	N	R	25	25	M	12	–		
①	②	③	④	⑤	⑥	⑦	⑧	⑨		⑩	⑪

① Clamping System

*T-Holder is also known as D-Holder

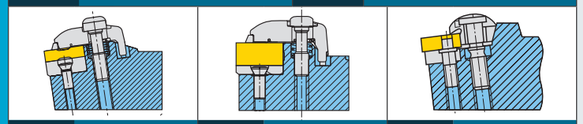


B	HOOK LEVER SIDE	C	TOP CLAMP	H	HOOK LEVER TOP



M	MULTI LOCK	P	LEVER LOCK	S	SCREW HELD

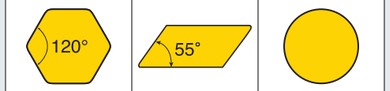
T*	TOP CLAMP MULTI-DIRECTIONAL	T-CH	TOP CLAMP DIMPLE CERAMIC



T-DA	TOP CLAMP DIMPLE CBN	T-F	TOP CLAMP SOLID INSERT	W	WEDGE CLAMP

② Insert Shape

C	D	E



H	K	R

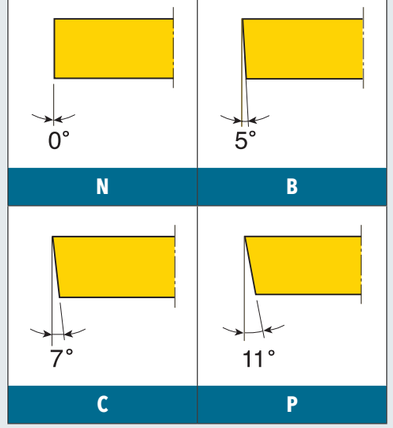
S	T	V

W	X	Y

③ Approach Angle

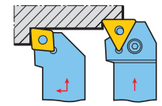
Symbol	Shape	Symbol	Shape	Symbol	Shape
A	90°	G	90°	Q	45°
	90°		90°	R	75°
B	75°	H	107.5°	S	45°
		J	93°	T	60°
C	90°	K	75°	U	93°
D	45°	L	95°	V	72.5°
E	60°	M	50°	W	60°
F	90°	N	63°	X	SPECIAL

④ Insert Clearance Angle



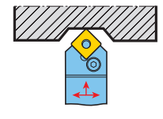
N	B	C	P

⑤ Hand of Tool



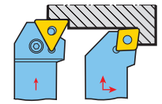
Right Hand

R



Neutral

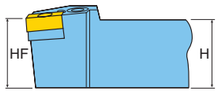
N



Left Hand

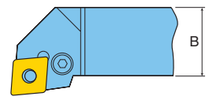
L

⑥ Shank Height



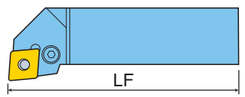
Integers to be preceded by 0
Ex.) h=8 mm indicated by 08

⑦ Shank Width



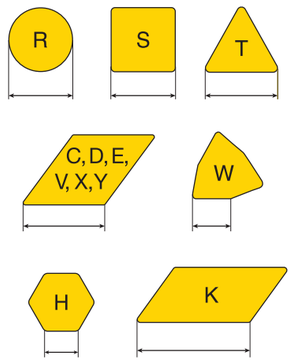
Integers to be preceded by 0
Ex.) b=8 mm indicated by 08

⑧ Tool Length (mm)

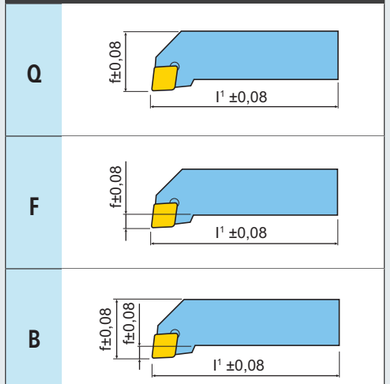


LF	Symbol	LF	Symbol
32	A	160	N
40	B	170	P
50	C	180	Q
60	D	200	R
70	E	250	S
80	F	300	T
90	G	350	U
100	H	400	V
110	J	450	W
125	K	500	Y
140	L	SPECIAL	Z
150	M		

⑨ Cutting Edge Length



⑩ Qualified Tool



⑪ Manufacturer's Type Designation

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Boring Bar Nomenclature – ISO

Start Here

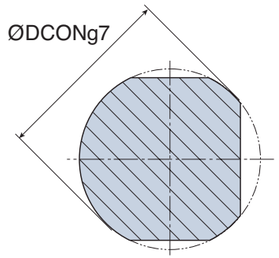
On the right is an example of a boring bar part number. The corresponding tables below define each segment of the part number »

S	32	S	–	C	T	F	P	R	–	16	–	
①	②	③		④	⑤	⑥	⑦	⑧		⑨		⑩

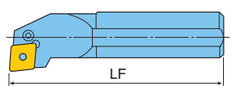
① Boring Bar

- **S** - Steel Shank
- **A** - Coolant Through Steel Shank
- **C** - Carbide Shank
- **E** - Coolant Through Carbide Shank
- **X** - Special

② Bar Diameter (mm)



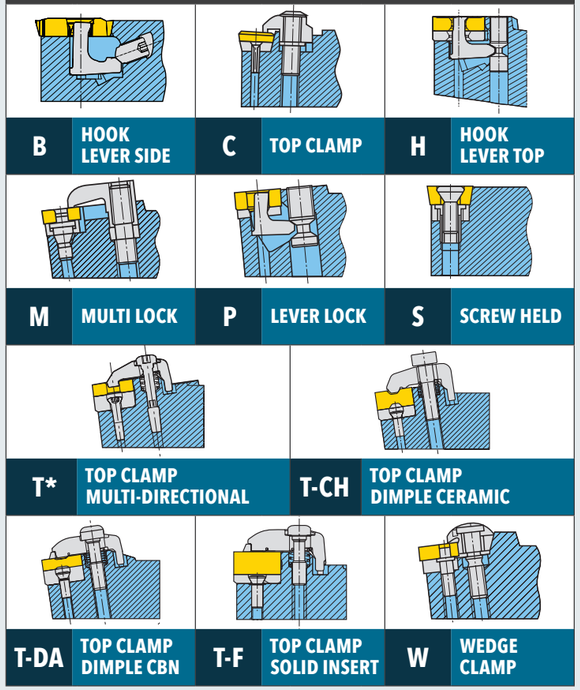
③ Tool Length (mm)



K	125	U	350
M	150	V	400
Q	180	W	450
R	200	Y	500
S	250	X	SPECIAL
T	300		

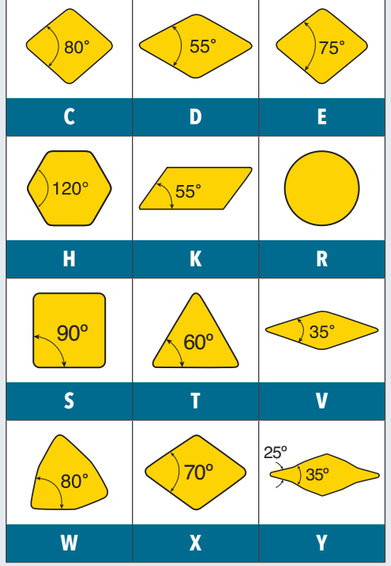
④ Clamping System

*T-Holder is also known as D-Holder

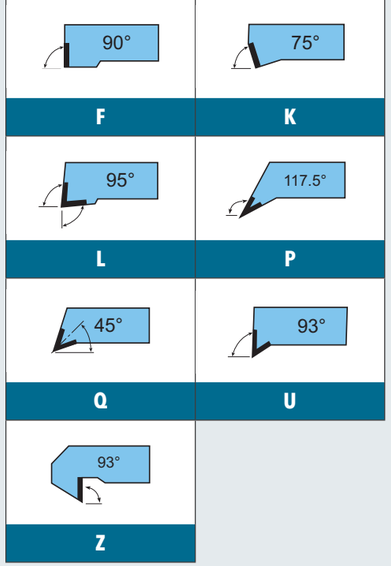


- **B** HOOK LEVER SIDE
- **C** TOP CLAMP
- **H** HOOK LEVER TOP
- **M** MULTI LOCK
- **P** LEVER LOCK
- **S** SCREW HELD
- **T*** TOP CLAMP MULTI-DIRECTIONAL
- **T-CH** TOP CLAMP DIMPLE CERAMIC
- **T-DA** TOP CLAMP DIMPLE CBN
- **T-F** TOP CLAMP SOLID INSERT
- **W** WEDGE CLAMP

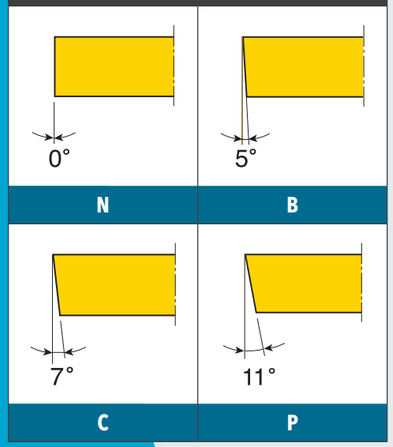
⑤ Insert Shape



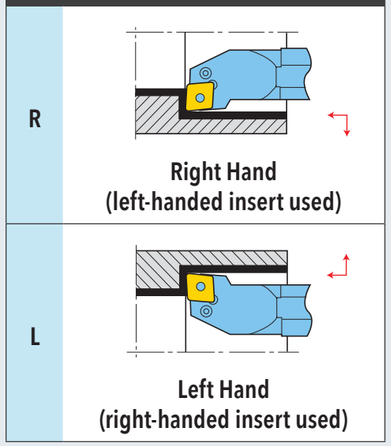
⑥ Approach Angle



⑦ Insert Clearance Angle

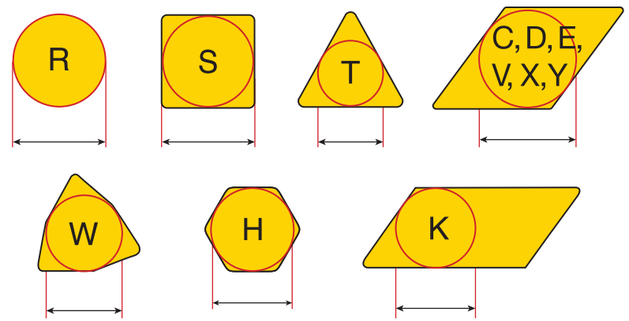


⑧ Hand of Tool



- **R** — Right Hand (left-handed insert used)
- **L** — Left Hand (right-handed insert used)

⑨ Insert I.C.



⑩ Manufacturer's Type Designation

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