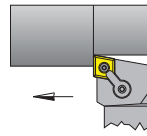
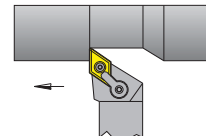


Turning and Boring
Technical Data

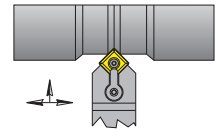
MULTI-LOCK TOOLHOLDER



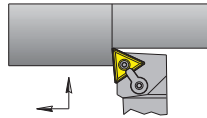
80° Diamond
Pages: A-80 to A-83



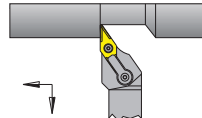
55° Diamond
Pages: A-84 to A-86



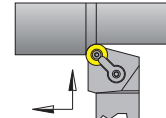
90° Square
Pages: A-87 to A-89



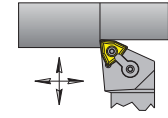
60° Triangle
Pages: A-90 to A-94



35° Diamond
Pages: A-95 to A-97



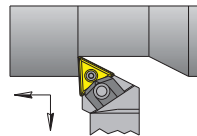
Round
Pages: A-98 to A-99



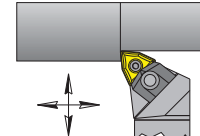
80° Trigon
Page: A-99

Turning and Boring
Inserts

WEDGE LOCK TOOLHOLDER



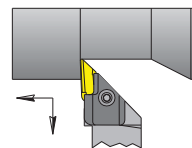
60° Triangle
Page: A-100



80° Trigon
Page: A-100

Turning and Boring
Toolholder (Inch)

PROFILE TOOLHOLDER

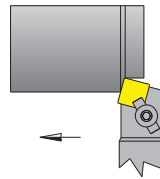


KNUX inserts
Page: A-101

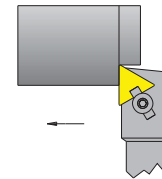
Turning and Boring
Toolholder (Metric)

Turning and Boring
Spare Parts

CLAMP LOCK TOOLHOLDER

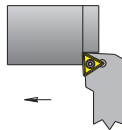


90° Square
Pages A-102 to A-103

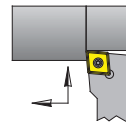


60° Triangle
Pages A-104 to A-107

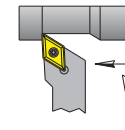
SCREW LOCK TOOLHOLDER



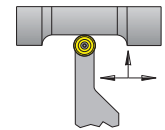
60° Triangle
Pages: A-108 to A-113



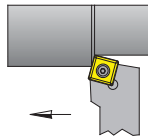
80° Diamond
Pages: A-115 to A-120



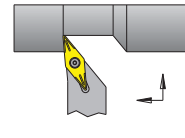
55° Diamond
Pages: A-121 to A-123



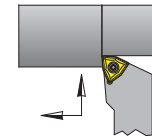
Round
Pages: A-124 to A-127



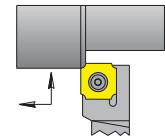
90° Square
Pages: A-128 to A-129



35° Diamond
Pages: A-130 to A-136

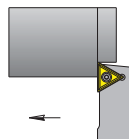


80° Trigon
Pages: A-137 to A-138

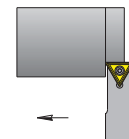


Convex Radius
Page: A-138

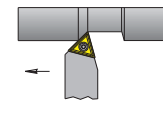
UTILITY TOOLHOLDER



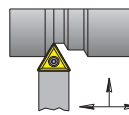
STAC R
Page: A-139



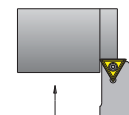
STCC R
Page: A-139



STDC R
Page: A-139



STEC N
Page: A-139



STNC R
Page: A-139

Turning and Boring
Technical Data

Turning and Boring
Inserts

Turning and Boring
Toolholder (Inch)

Turning and Boring
Toolholder (Metric)

Turning and Boring
Spare Parts

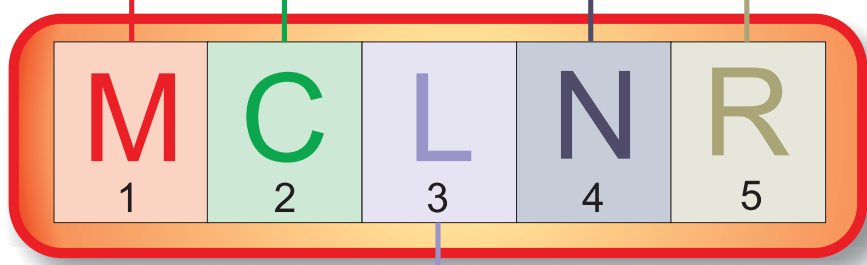
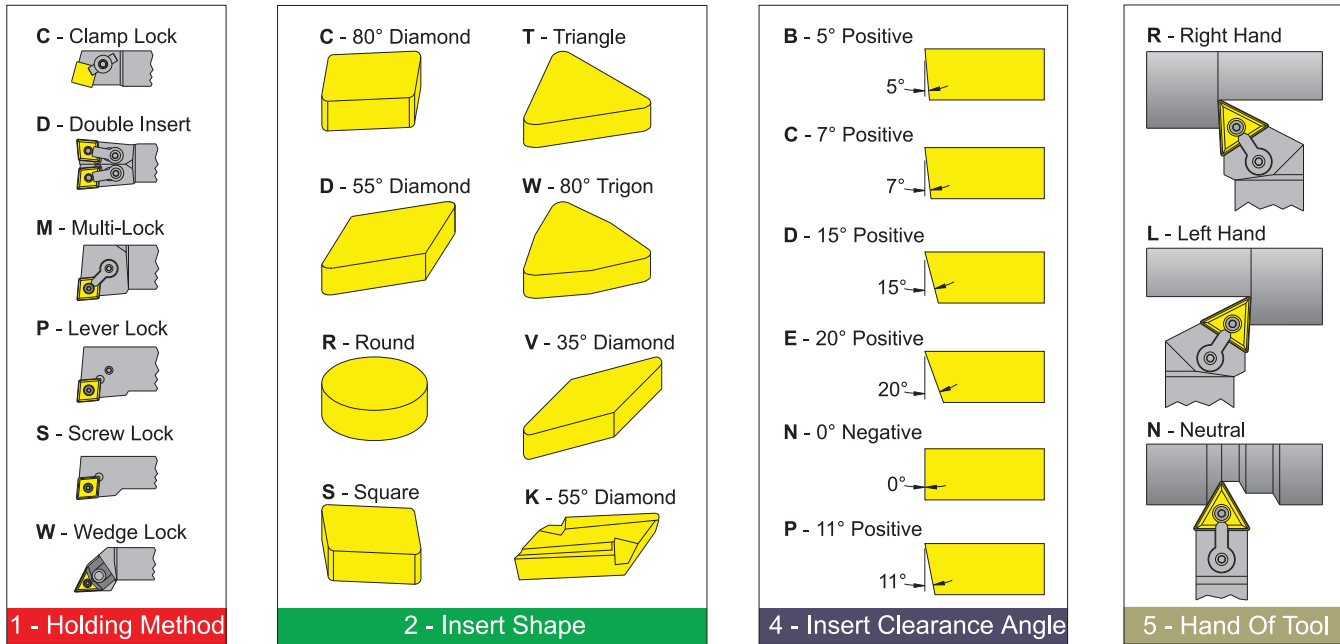
Turning and Boring
Technical Data

Turning and Boring
Inserts

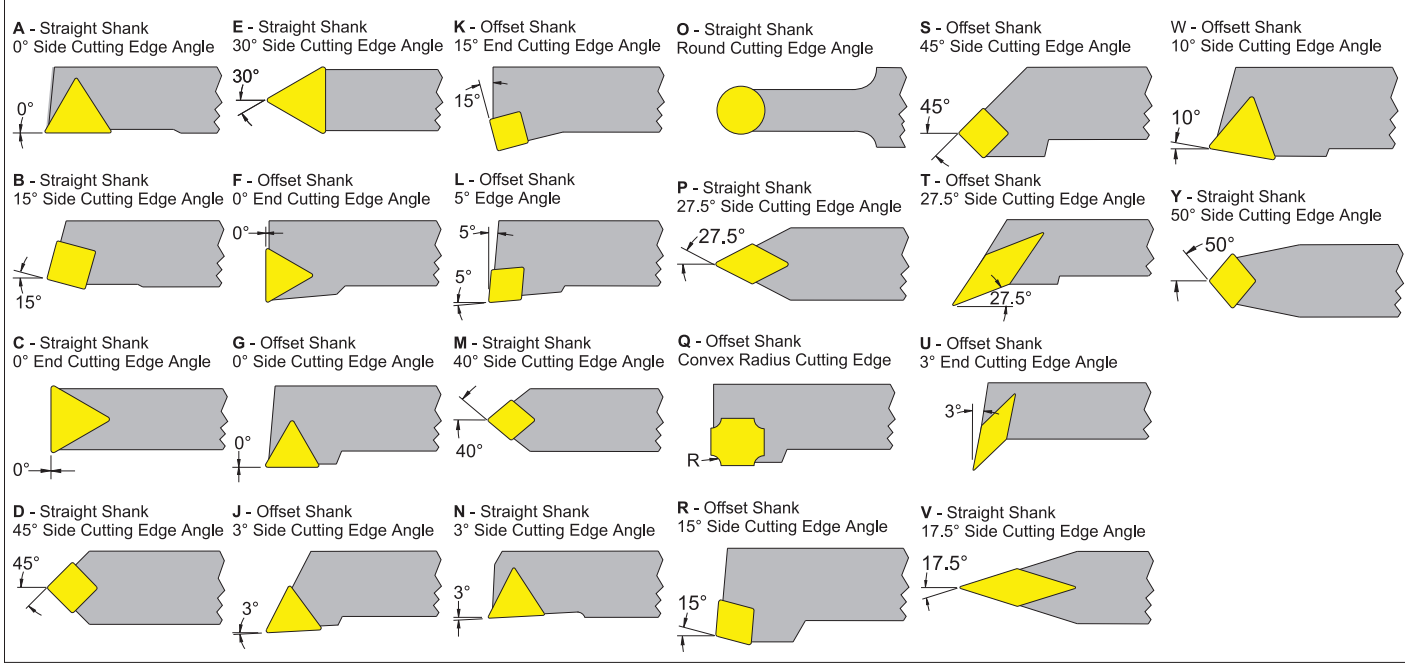
Turning and Boring
Toolholder (Inch)

Turning and Boring
Toolholder (Metric)

Turning and Boring
Spare Parts



3 - Tool Style

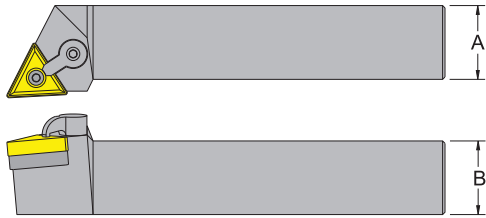


Square Shanks:

(A) & (B) shown in 1/16 inch increments

Rectangle Shanks:

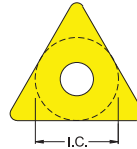
Position six (6): (A) shown in 1/8 inch increments



6 & 7 - Shank Size

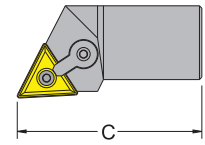
Insert I.C.:

(I.C.) shown in 1/8 inch increments

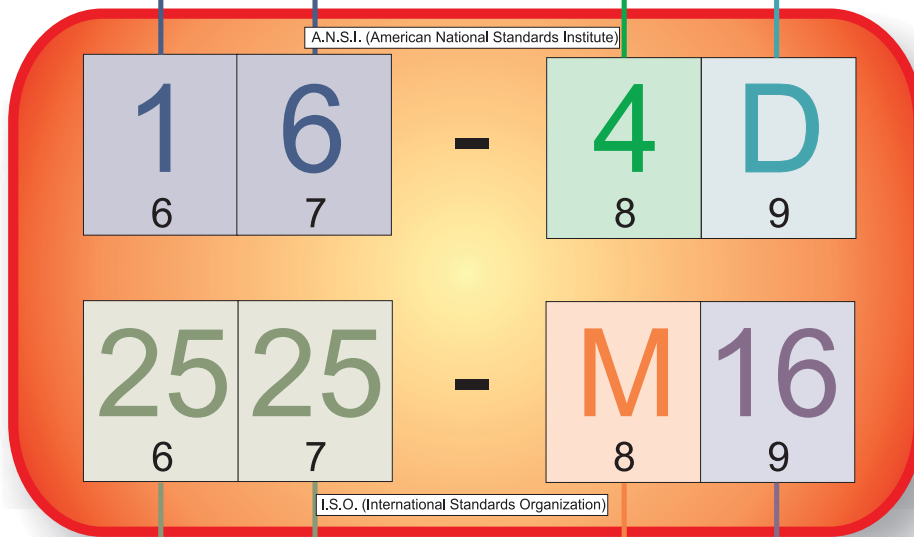


8 - Insert Size I.C.

- J - 3-1/2"
- A - 4.0"
- B - 4-1/2"
- C - 5.0"
- D - 6.0
- E - 7.0
- F - 8.0



9 - Tool Length



6 & 7 - Shank Size

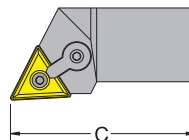
Position six(6) and seven (7):

(A) & (B) shown in 1 mm increments



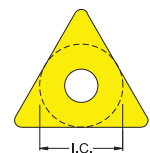
8 - Tool Length

- D - 60 mm
- E - 70 mm
- F - 80 mm
- H - 100 mm
- K - 125 mm
- M - 150 mm
- P - 170 mm



9 - Insert Size I.C.

Insert I.C.:
(I.C.) shown in 1 mm increments



Turning and Boring
Technical Data

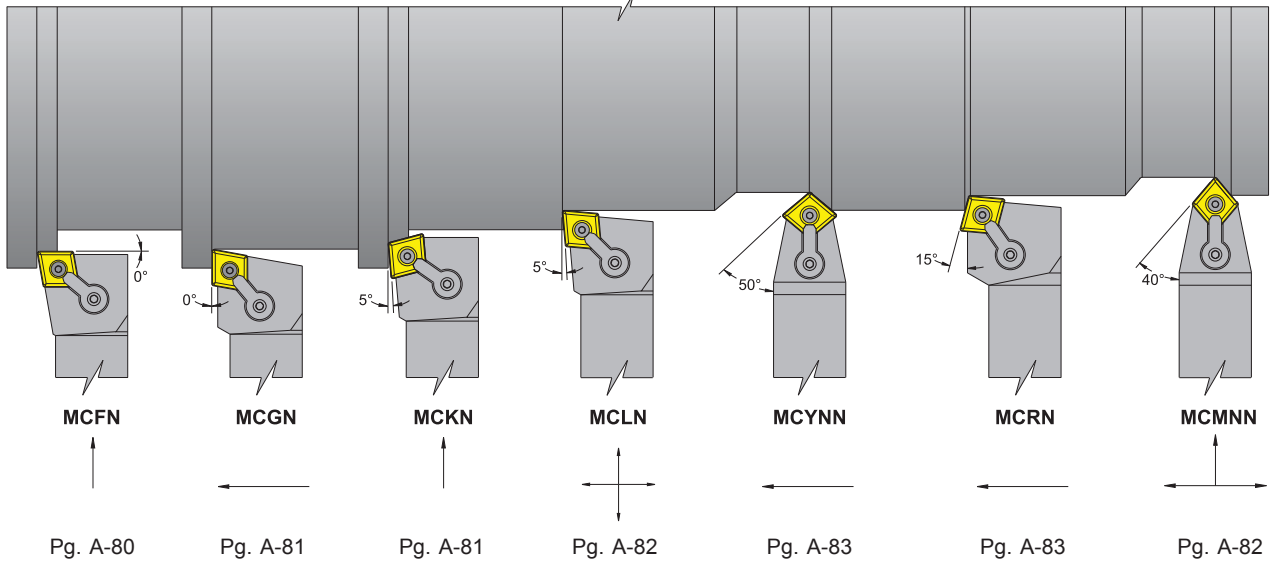
Turning and Boring
Inserts

Turning and Boring
Toolholder (Inch)

Turning and Boring
Toolholder (Metric)

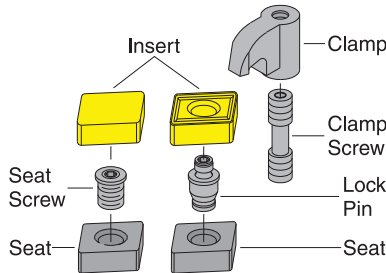
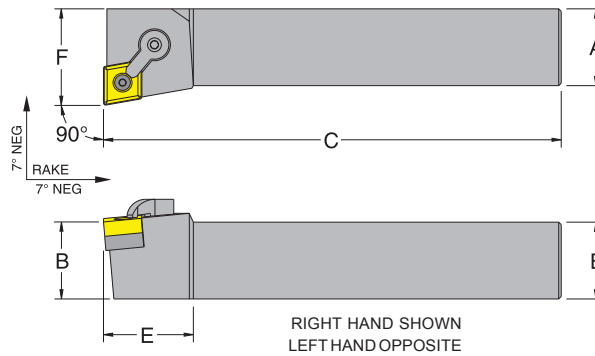
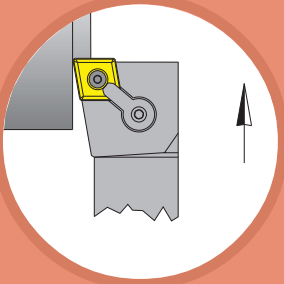
Turning and Boring
Spare Parts

MC - Style Toolholders



MCFNR/L TOOLHOLDER

Style F - 0° End Cutting Edge Angle
for negative 80° diamond CNM_ inserts



For insert information see pages A-45 to A-51 & A-53 to A-55.
For spare part information see pages A-202 to A-204.

Description	Part No. 733101-		A	B	C	E	F	CNM_ Gage Insert	Seat	Lock Pin	Clamp	Clamp Screw	Seat Screw
	R.H.	L.H.											
MCFNR/L12-4B	50010	50011	0.75	0.75	4.50	1.250	1.000						
MCFNR/L16-4C	50014	50015	1.00	1.00	5.00	1.250	1.250	432	ICSN-433	NL-46	CL-20	XNS-48	S-46
MCFNR/L16-4D	50018	50019	1.00	1.00	6.00	1.250	1.250						
MCFNR/L16-5D	50022	50023	1.00	1.00	6.00	1.380	1.250	543	ICSN-533	NL-58	CL-12	XNS-510	S-58
MCFNR/L16-6D	50026	50027	1.00	1.00	6.00	1.500	1.250	643	ICSN-633	NL-68	CL-9	XNS-510	S-68