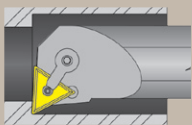




Multi-Lock Negative Insert Boring Bars

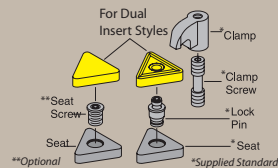


S-MTUN R/L Boring Bar

Style U - Negative

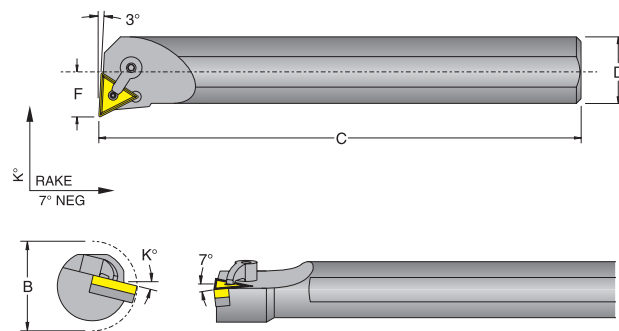
3° End Cutting Edge

Angle for negative
triangle TNM_ inserts

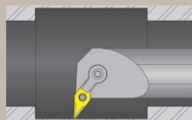


Part No. 733101-			Min. Bore					TNM_ Gage						Optional	
Inch Description	R.H.	L.H.	B	C	D	F	K°	Insert	Seat	Lock Pin	Clamp	Clamp Screw	Seat Screw	Clamp Screw	Seat Screw
S12S-MTUNR/L-3	55204	55205	1.000	10.0	0.75	0.500	14°	322	-	NL-33	CL-6	XNS-36	-	-	-
S16T-MTUNR/L-3	55208	55209	1.280	12.0	1.00	0.640	14°	322	ITSN-333	NL-34L	CL-7	XNS-36	-	-	-
S20U-MTUNR/L-3	55212	55213	1.530	14.0	1.25	0.765	14°	332	ITSN-322	NL-34L	CL-7	XNS-36	-	-	S-34
S24U-MTUNR/L-3	55216	55217	2.060	14.0	1.50	0.890	11°	432	ICSN-433	NL-46	CL-9	XNS-59	S-46		
S20U-MTUNR/L-4	55220	55221	1.530	14.0	1.25	0.765	14°								
S24U-MTUNR/L-4	55224	55225	2.060	14.0	1.50	0.890	11°								
S32V-MTUNR/L-4	55228	55229	2.562	16.0	2.00	1.281	11°								
S40V-MTUNR/L-4	55232	55233	3.062	16.0	2.50	1.531	11°								
S48V-MTUNR/L-4	55236	55237	3.562	18.0	3.00	1.781	11°								

For inserts see PAGES 16-33. For spare parts see PAGES 108-109.



Right Hand Shown, Left Hand Opposite

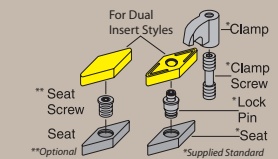


S-MVUN R/L Boring Bar

Style U - Negative 3°

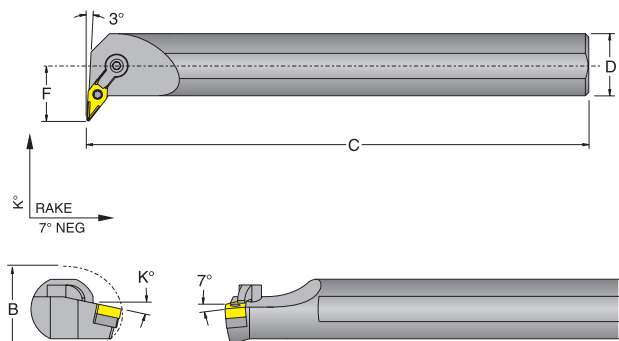
Side Cutting Edge

Angle for negative 35°
diamond VNM_ inserts

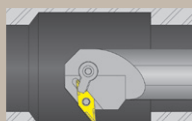


Part No. 733101-			Min. Bore					VNM_ Gage						Optional	
Inch Description	R.H.	L.H.	B	C	D	F	K°	Insert	Seat	Lock Pin	Clamp	Clamp Screw	Seat Screw	Clamp Screw	Seat Screw
S16T-MVUNR/L-3	55266	55267	2.00	12.0	1.00	1.000	14°	332	IVSN-322	NL-34L	CL-30	XNS-59	S-34	-	-
S20U-MVUNR/L-3	55270	55271	2.25	14.0	1.25	1.125	14°	332	XNS-510	NL-34L	CL-30	XNS-59	S-34	-	-
S24U-MVUNR/L-3	55274	55275	2.50	14.0	1.50	1.250	11°	432	IVSN-433	NL-46	CL-30	XNS-510	S-46		
S28U-MVUNR/L-4	55278	55279	3.00	14.0	1.75	1.500	11°								
S32V-MVUNR/L-4	55282	55283	3.25	16.0	2.00	1.625	11°								
S36V-MVUNR/L-4	55286	55287	3.50	16.0	2.25	1.750	11°								
S40V-MVUNR/L-4	55290	55291	3.75	16.0	2.50	1.875	11°								

For inserts see PAGES 16-33. For spare parts see PAGES 108-109.



Right Hand Shown, Left Hand Opposite

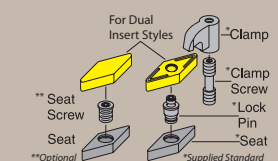


S-MVXN R/L Boring Bar

Style X - Negative 5°

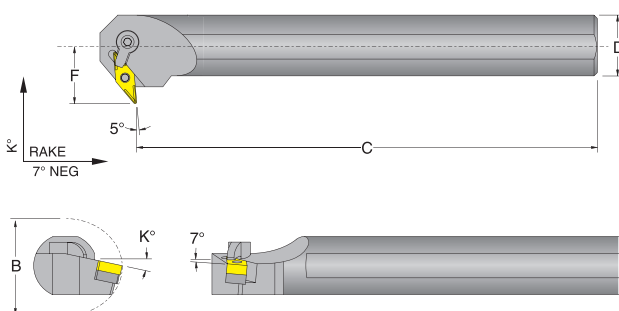
Back Boring Cutting

Edge Angle for negative
35° diamond VNM_ inserts

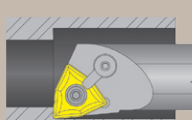


Part No. 733101-			Min. Bore					VNM_ Gage						Optional	
Inch Description	R.H.	L.H.	B	C	D	F	K°	Insert	Seat	Lock Pin	Clamp	Clamp Screw	Seat Screw	Clamp Screw	Seat Screw
S24U-MVXNR/L-3	55300	55301	2.25	14.0	1.50	1.125	11°	332	IVSN-322	NL-34L	CL-20	XNS-48	S-34		
S28U-MVXNR/L-3	55304	55305	2.50	14.0	1.75	1.250	11°								
S32V-MVXNR/L-4	55308	55309	3.00	16.0	2.00	1.500	11°	432	IVSN-433	NL-46	CL-12	XNS-510	S-46	-	-

For inserts see PAGES 16-33. For spare parts see PAGES 108-109.



Right Hand Shown, Left Hand Opposite

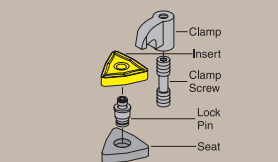


S-MWLN R/L Boring Bar

Style L - Negative 5°

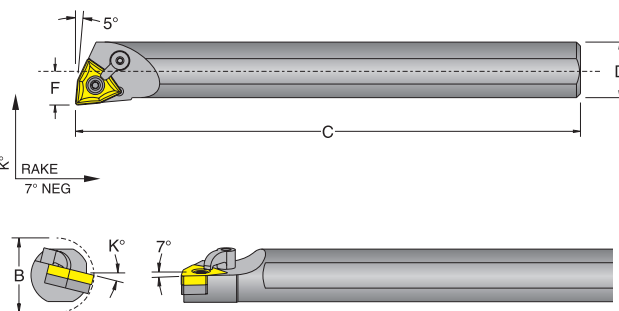
End & Side Cutting Edge

Angle for negative trigon
WNM_ inserts



Part No. 733101-			Min. Bore					WNM_ Gage				
Inch Description	R.H.	L.H.	B	C	D	F	K°	Insert	Seat	Lock Pin	Clamp	Clamp Screw
S12S-MWLN/R/L-3	55318	55319	1.00	10.0	0.75	0.500	14°	332	-	NL-33L	HC-7	SHC-7
S16T-MWLN/R/L-3	55320	55321	1.28	12.0	1.00	0.640	14°	332	-	NL-33L	CL-7	XNS-36
S16T-MWLN/R/L-4	55322	55323	1.28	12.0	1.00	0.640	14°	432	-	NL-44	CL-20	XNS-47
S20U-MWLN/R/L-4	55326	55327	1.53	14.0	1.25	0.765	14°	432	IWSN-433	NL-46	CL-20	XNS-47
S24U-MWLN/R/L-4	55330	55331	1.78	14.0	1.50	0.890	11°					

For inserts see PAGES 16-33. For spare parts see PAGES 108-109.



Right Hand Shown, Left Hand Opposite