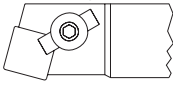
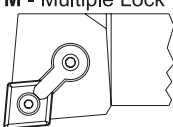
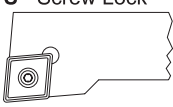

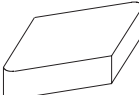

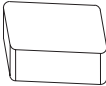

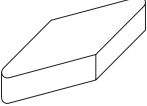


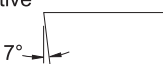

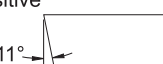
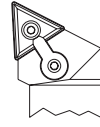
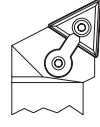

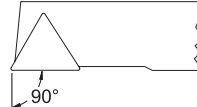
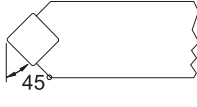
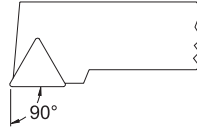
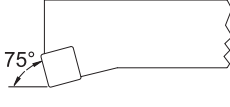
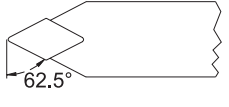
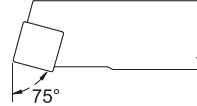
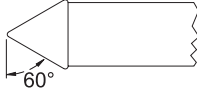
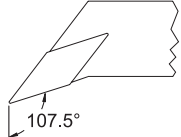
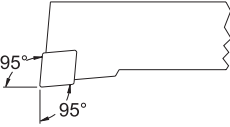
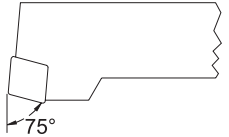

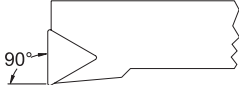
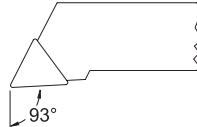
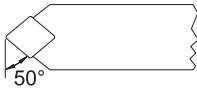
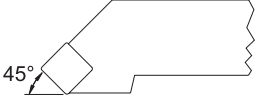


# TOOLHOLDER STANDARD DESIGNATIONS

<p><b>C - Clamp Lock</b></p>  <p><b>M - Multiple Lock</b></p>  <p><b>S - Screw Lock</b></p>  <p><b>Holding Method</b></p>	<p><b>C - 80° Diamond</b></p>  <p><b>D - 55° Diamond</b></p>  <p><b>R - Round</b></p>  <p><b>S - Square</b></p>  <p><b>T - Triangle</b></p>  <p><b>V - 35° Diamond</b></p>  <p><b>W - 80° Trigon</b></p>  <p><b>Insert Shape</b></p>	<p><b>B - 5° Positive</b></p>  <p><b>C - 7° Positive</b></p>  <p><b>N - 0° Negative</b></p>  <p><b>P - 11° Positive</b></p>  <p><b>Insert Clearance Angle</b></p>	<p><b>R - Right Hand</b></p>  <p><b>L - Left Hand</b></p>  <p><b>N - Neutral</b></p>  <p><b>Hand of Tool</b></p>
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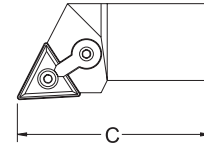
**M C L N R**

**Tool Style**

<p><b>A - 0° Side cutting angle, no offset</b></p> 	<p><b>D - 45° Lead side cutting angle, no offset</b></p> 	<p><b>G - 0° Lead side cutting with offset</b></p> 	<p><b>K - 15° Lead end cutting angle, no offset</b></p> 	<p><b>N - 27.5° Lead cutting angle, no offset</b></p> 
<p><b>B - 15° Lead side cutting angle, no offset</b></p> 	<p><b>E - 30° Lead side cutting angle</b></p> 	<p><b>H - 17.5° Lead side / end cutting with offset</b></p> 	<p><b>L - Neg. 5° Lead side cutting angle with offset</b></p> 	<p><b>R - 15° Lead cutting angle with offset</b></p> 
<p><b>C - 0° Lead end cutting angle</b></p> 	<p><b>F - 0° Lead end cutting angle with offset</b></p> 	<p><b>J - Neg. 3° Lead side cutting angle with offset</b></p> 	<p><b>M - 40° Lead side cutting angle, no offset</b></p> 	<p><b>S - 45° Lead cutting angle with offset</b></p> 

# TOOLHOLDER STANDARD DESIGNATIONS

- I - 2.5
- J - 3.5
- A - 4.0
- B - 4.5
- C - 5.0
- D - 6.0
- E - 7.0
- F - 8.0



**Tool Length**

1 6

**Shank Size**

**Square Shanks:**  
(A) & (B) shown in 1/16 inch increments

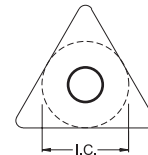
**Rectangle Shanks:**  
First Digit: (A) shown in 1/8 inch increments  
Second Digit: (B) shown in 1/4 inch increments



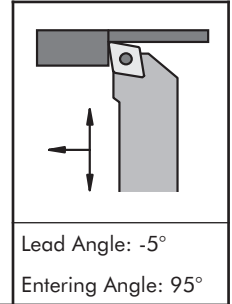
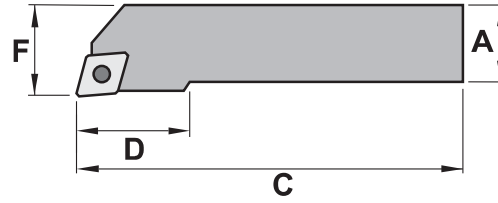
4 D

**Insert Size I.C.**

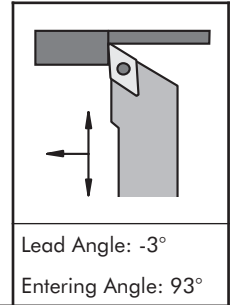
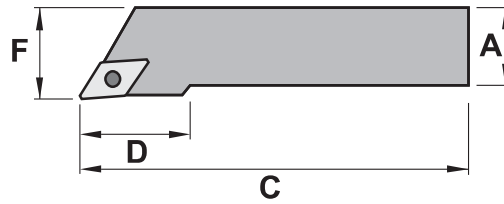
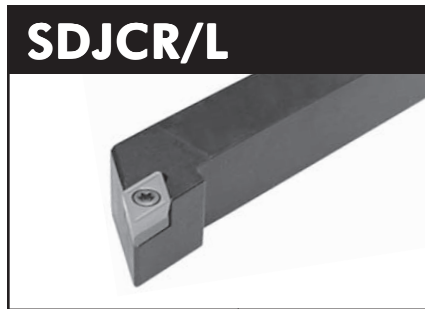
**Insert I.C.:**  
(I.C.) shown in 1/8 inch increments



# EXTERNAL SCREW LOCK TOOLS



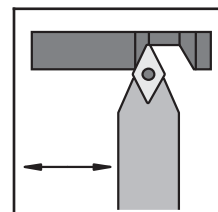
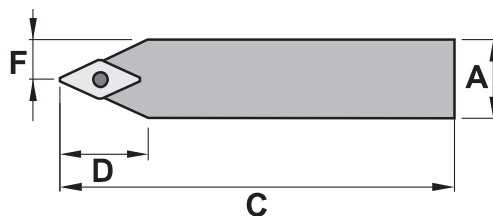
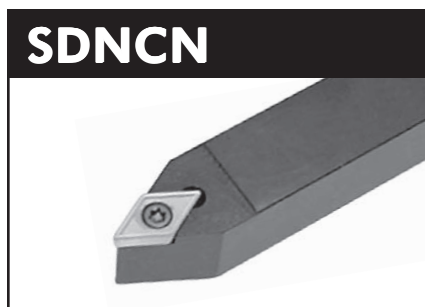
DESIGNATION	DIMENSIONS					INSERT (see pages 14-17)	SPARE PARTS			
	A	B	C	D	F		Insert Screw	Wrench	Shim	Shim Screw
SCLCR/L 6-2I	.375	.375	2.5	.39	.500	CC__-21.5_	C-1225	C-5507	---	---
SCLCR/L 8-3J	.500	.500	3.5	.63	.625		C-1440	C-5515	---	---
SCLCR/L 10-3A	.625	.625	4.0	.63	.750					
SCLCR/L 12-3B	.750	.750	4.5	.63	1.000	CC__-32.5_	C-1240	C-5515	---	---
SCLCR/L 16-3D	1.000	1.000	6.0	.63	1.250					
SCLCR/L 12-4B	.750	.750	4.5	1.00	1.000	CC__-43_	C-1540	C-5517	C-3614	C-1760
SCLCR/L 16-4D	1.000	1.000	6.0	1.00	1.250					
SCLCR/L 20-4D	1.250	1.250	6.0	1.00	1.500					



DESIGNATION	DIMENSIONS					INSERT (see pages 22-24)	SPARE PARTS			
	A	B	C	D	F		Insert Screw	Wrench	Shim	Shim Screw
SDJCR/L 6-2I	.375	.375	2.5	.59	.500	DC__-21.5_	C-1225	C-5507	---	---
SDJCR/L 8-2J	.500	.500	3.5	.67	.625					
SDJCR/L 10-2A	.625	.625	4.0	.67	.750					
SDJCR/L 12-2B	.750	.750	4.5	.70	1.000	DC__-32.5_	C-1335	C-5516	C-3714	C-1750
SDJCR/L 12-3B	.750	.750	4.5	1.00	1.000					
SDJCR/L 16-3D	1.000	1.000	6.0	1.10	1.250					

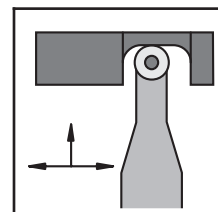
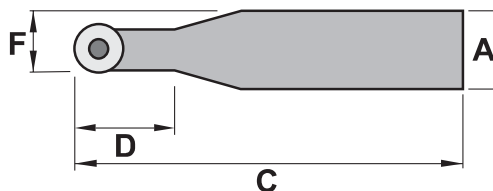
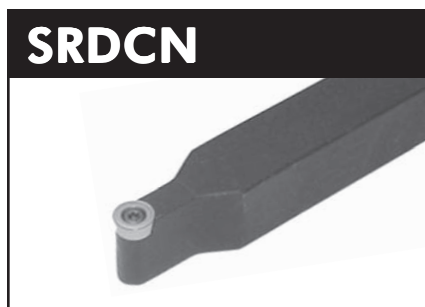
See Pages 47 to 50 for Widia's range of Indexable Inserts for Aluminum machining.

# EXTERNAL SCREW LOCK TOOLS



Lead Angle: 27.5°  
Entering Angle: 62.5°

DESIGNATION	DIMENSIONS					INSERT (see pages 22-24)	SPARE PARTS			
	A	B	C	D	F		Insert Screw	Wrench	Shim	Shim Screw
SDNCN 6-2I	.375	.375	2.5	.37	.197	DC_-21.5_	C-1225	C-5507	---	---
SDNCN 8-2J	.500	.500	3.5	.49	.260					
SDNCN 10-3A	.625	.625	4.0	.63	.323	DC_-32.5_	C-1335	C-5516	C-3714	C-1750
SDNCN 12-3B	.750	.750	4.5	.74	.382					
SDNCN 16-3D	1.000	1.000	6.0	.98	.520					

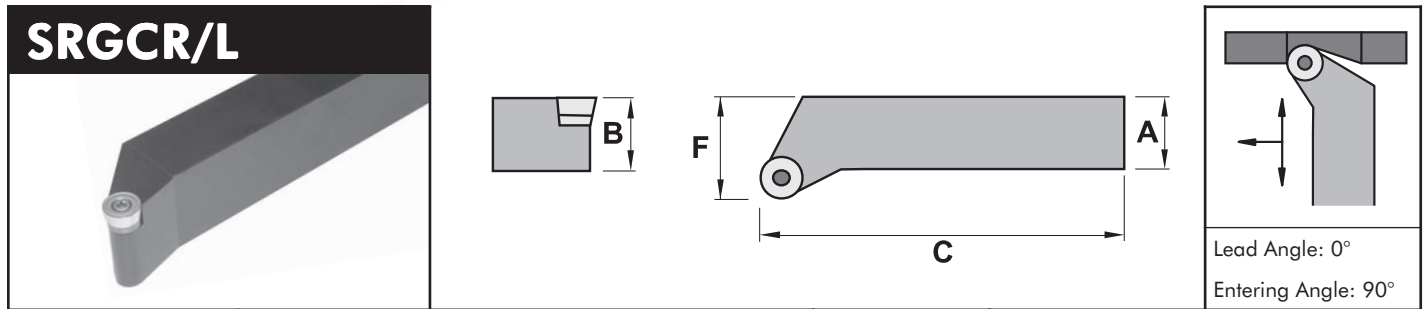


Lead Angle: 45°  
Entering Angle: 45°

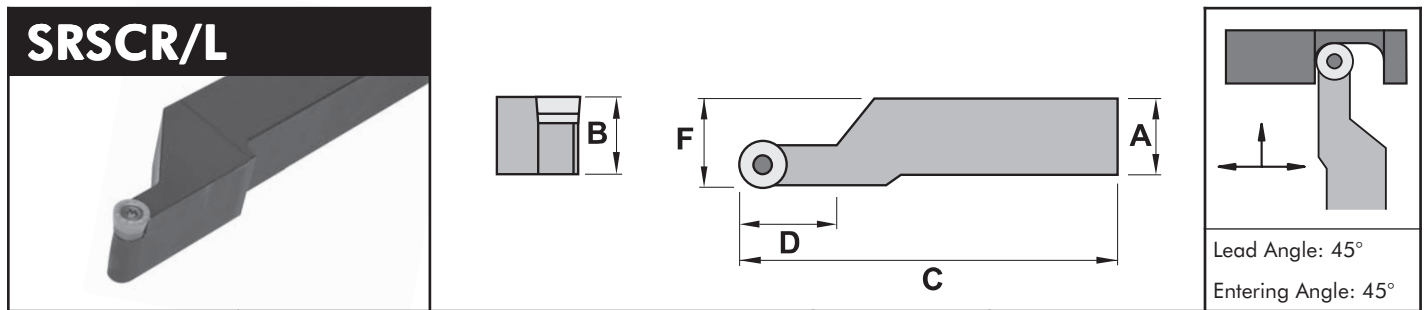
DESIGNATION	DIMENSIONS					INSERT (see page 29)	SPARE PARTS			
	A	B	C	D	F		Insert Screw	Wrench	Shim	Shim Screw
SRDCN 8-08J	.500	.500	3.5	.50	.407	RCMT-0803MO	C-1230	C-5508	---	---
SRDCN 10-10A	.625	.625	4.0	.63	.510	RCMT-10T3MO	C-1335	C-5516	C-3811	C-1750
SRDCN 12-10B	.750	.750	4.5	1.00	.570					
SRDCN 16-12D	1.000	1.000	6.0	1.00	.756	RCMT-1204MO	C-1335	C-5516	C-3814	C-1750
SRDCN 20-12D	1.250	1.250	6.0	1.00	.861					

See Pages 47 to 50 for Widia's range of Indexable Inserts for Aluminum machining.

# EXTERNAL SCREW LOCK TOOLS



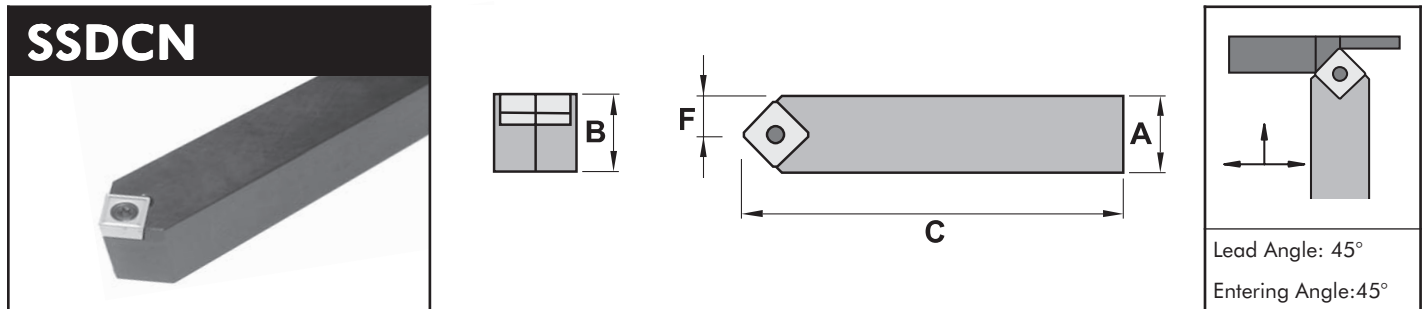
DESIGNATION	DIMENSIONS				INSERT (see page 29)	SPARE PARTS			
	A	B	C	F		Insert screw	Wrench	Shim	Shim Screw
SRGCR/L 12-10B	.750	.750	4.5	1.000	RCMT-10T3M0	C-1335	C-5516	C-3811	C-1750
SRGCR/L 16-10D	1.000	1.000	6.0	1.250					
SRGCR/L 16-12D	1.000	1.000	6.0	1.250	RCMT-1204M0	C-1335	C-5516	C-3814	C-1750
SRGCR/L 85-12D	1.000	1.250	6.0	1.250					
SRGCR/L 20-12D	1.250	1.250	6.0	1.500					



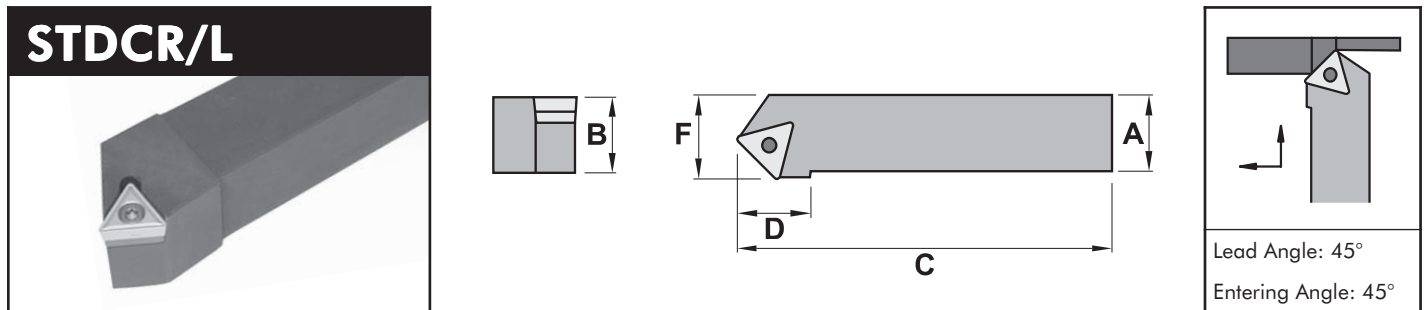
DESIGNATION	DIMENSIONS					INSERT (see page 29)	SPARE PARTS			
	A	B	C	D	F		Insert Screw	Wrench	Shim	Shim Screw
SRSCR/L 16-10D	1.000	1.000	6.0	.75	1.250	RCMT-10T3M0	C-1335	C-5516	C-3811	C-1750
SRSCR/L 20-10D	1.250	1.250	6.0	.75	1.500					
SRSCR/L 12-12B	.750	.750	4.5	.75	1.000	RCMT-1204M0	C-1335	C-5516	C-3814	C-1750
SRSCR/L 16-12D	1.000	1.000	6.0	1.00	1.250					
SRSCR/L 20-12D	1.250	1.250	6.0	1.00	1.500					

See Pages 47 to 50 for Widia's range of Indexable Inserts for Aluminum machining.

# EXTERNAL SCREW LOCK TOOLS



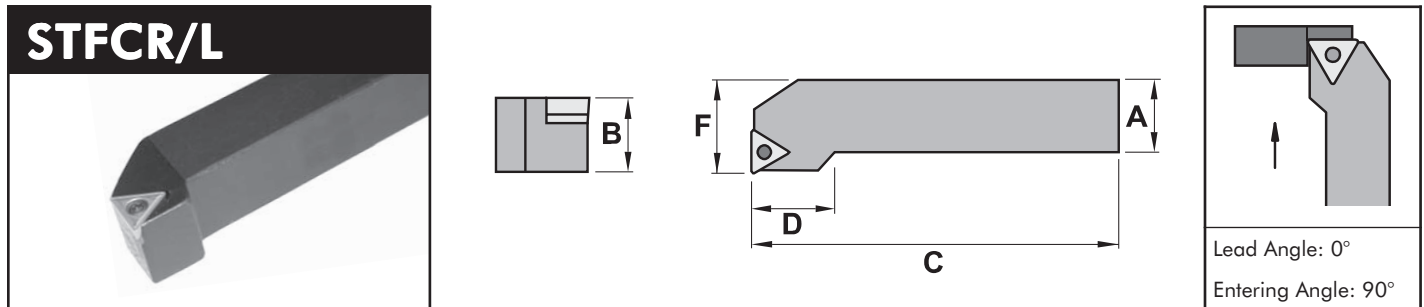
DESIGNATION	DIMENSIONS				INSERT (see pages 30-31)	SPARE PARTS			
	A	B	C	F		Insert screw	Wrench	Shim	Shim Screw
SSDCN 8-3J	.500	.500	3.5	.263	SC__-32.5_	C-1240	C-5515	---	---
SSDCN 10-3A	.625	.625	4.0	.325		C-1540	C-5517	C-3514	C-1760
SSDCN 12-4B	.750	.750	4.5	.388	SC__-43_				



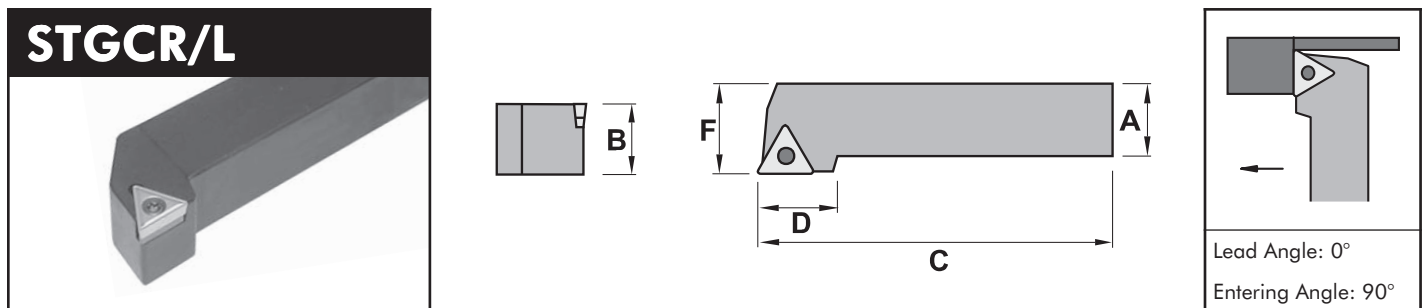
DESIGNATION	DIMENSIONS					INSERT (see pages 37-38)	SPARE PARTS			
	A	B	C	D	F		Insert Screw	Wrench	Shim	Shim Screw
STDCR/L 6-2I	.375	.375	2.5	.41	.433	TC__-21.5_	C-1225	C-5507	---	---
STDCR/L 8-2J	.500	.500	3.5	.57	.512		C-1335	C-5516	C-3414	C-1750
STDCR/L 10-3A	.625	.625	4.0	1.00	.669	TC__-32.5_				
STDCR/L 12-3B	.750	.750	4.5	1.00	.866					
STDCR/L 16-3D	1.000	1.000	6.0	1.00	1.063					

See Pages 47 to 50 for Widia's range of Indexable Inserts for Aluminum machining.

# EXTERNAL SCREW LOCK TOOLS



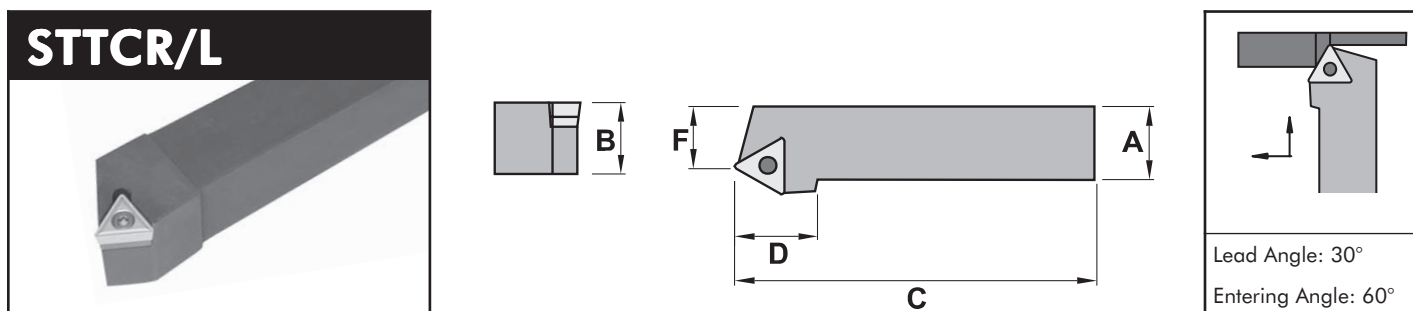
DESIGNATION	DIMENSIONS					INSERT (see pages 37-38)	SPARE PARTS			
	A	B	C	D	F		Insert Screw	Wrench	Shim	Shim Screw
STFCR/L 6-2I	.375	.375	2.5	.40	.500	TC__-21.5_	C-1225	C-5507	---	---
STFCR/L 8-2J	.500	.500	3.5	.68	.625					
STFCR/L 10-3A	.625	.625	4.0	1.00	.750	TC__-32.5_	C-1335	C-5516	C-3414	C-1750
STFCR/L 12-3B	.750	.750	4.5	1.00	1.000					
STFCR/L 16-3D	1.000	1.000	6.0	1.00	1.250					



DESIGNATION	DIMENSIONS					INSERT (see pages 37-38)	SPARE PARTS			
	A	B	C	D	F		Insert Screw	Wrench	Shim	Shim Screw
STGCR/L 6-2I	.375	.375	2.5	.50	.500	TC__-21.5_	C-1225	C-5507	----	---
STGCR/L 8-2J	.500	.500	3.5	.56	.625					
STGCR/L 10-3A	.625	.625	4.0	1.00	.750	TC__-32.5_	C-1335	C-5516	C-3414	C-1750
STGCR/L 12-3B	.750	.750	4.5	1.00	1.000					
STGCR/L 16-3D	1.000	1.000	6.0	1.00	1.250					

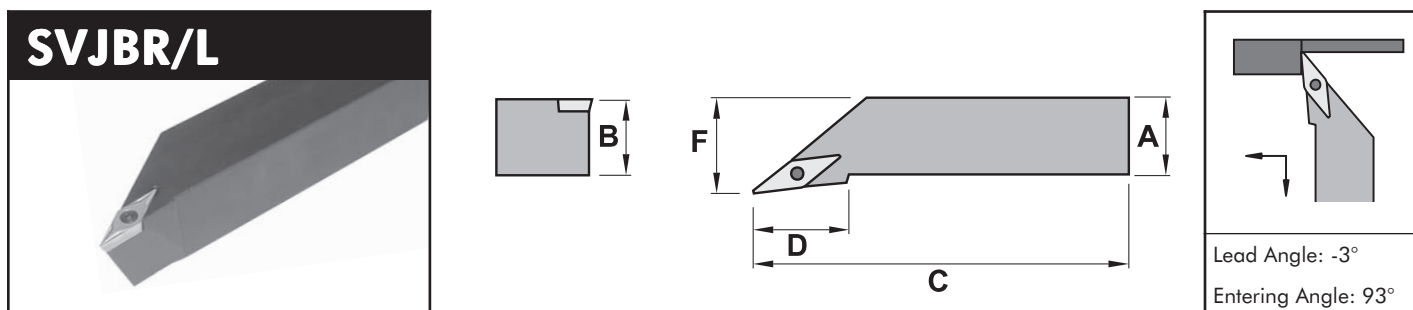
See Pages 47 to 50 for Widia's range of Indexable Inserts for Aluminum machining.

# EXTERNAL SCREW LOCK TOOLS



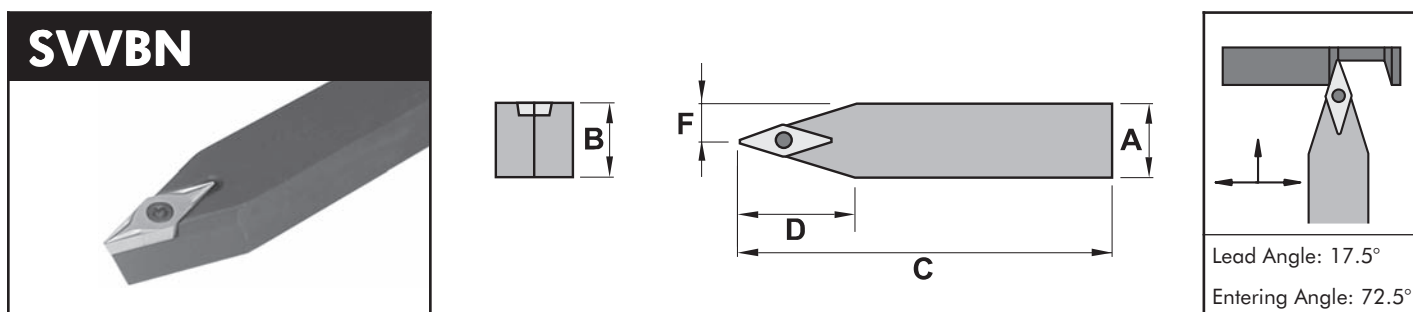
Lead Angle: 30°  
Entering Angle: 60°

DESIGNATION	DIMENSIONS					INSERT (see pages 37-38)	SPARE PARTS			
	A	B	C	D	F		Insert Screw	Wrench	Shim	Shim Screw
STTCR/L 12-3B	.750	.750	4.5	1.00	.718	TC_-32.5_	C-1335	C-5516	C-3414	C-1750
STTCR/L 16-3D	1.000	1.000	6.0	1.00	.860					



Lead Angle: -3°  
Entering Angle: 93°

DESIGNATION	DIMENSIONS					INSERT (see page 44)	SPARE PARTS			
	A	B	C	D	F		Insert Screw	Wrench	Shim	Shim Screw
SVJBR/L 12-3B	.750	.750	4.5	1.61	1.000	VBMT-33_	C-1335	C-5516	C-3718	C-1750
SVJBR/L 16-3D	1.000	1.000	6.0	1.61	1.250					



Lead Angle: 17.5°  
Entering Angle: 72.5°

DESIGNATION	DIMENSIONS					INSERT (see page 44)	SPARE PARTS			
	A	B	C	D	F		Insert Screw	Wrench	Shim	Shim Screw
SVVBN 12-3B	.750	.750	4.5	1.21	.398	VBMT-33_	C-1335	C-5516	C-3718	C-1750
SVVBN 16-3D	1.000	1.000	6.0	1.61	.523					

See Pages 47 to 50 for Widia's range of Indexable Inserts for Aluminum machining.



