

# ARCH<sup>®</sup>

## Cutting Tools

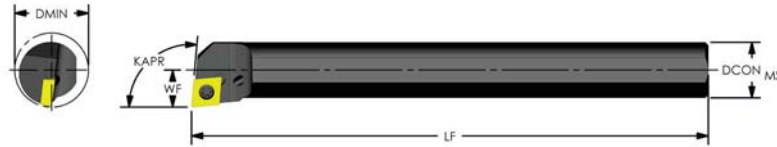
- Milling
- Drilling
- Finishing
- Contouring
- Slotting
- Turning
- Boring
- Tool Holding
- Custom Solutions

THE  
COLLECTION

THE COMPLETE TOOL MAKING AUTHORITY<sup>®</sup>

2023

**ULTRA-DEX**<sup>®</sup>



**POSITIVE 80° DIAMOND (KAPR: 95°)**

**4:1 Ratio**  
**COOLANT THRU**

PRODUCT # LEFT HAND	PRODUCT # RIGHT HAND	DESIGNATION	DCONMS [in.]	LF [in.]	WF [in.]	DMIN [in.]	Insert	Insert Screw	Key
957-000-001	957-000-003	A04G SCLDR/L1.5 *	0.250	3.500	0.172	0.312	CDGW 1.510	MTS-184	T-6
957-000-009	957-000-011	A05G SCLPR/L1.8 *	0.312	3.500	0.219	0.395	CPMT 1.81.20.5	MTS-224	T-7
957-000-023	957-000-025	A06K SCLPR/L2	0.375	5.000	0.250	0.460	CPMT 21.51	MTS-255	T-7
957-000-053	957-000-056	A08M SCLPR/L2	0.500	6.000	0.312	0.600	CPMT 21.51	MTS-255	T-7
957-000-087	957-000-089	A10Q SCLPR/L2	0.625	7.000	0.406	0.760	CPMT 21.51	MTS-255	T-7
957-000-055	957-000-058	A08M SCLPR/L3	0.500	6.000	0.344	0.625	CPMT 32.51	MTS-35	T-15
957-000-088	957-000-090	A10Q SCLPR/L3	0.625	7.000	0.406	0.760	CPMT 32.51	MTS-35	T-15
957-000-108	957-000-109	A12Q SCLPR/L3	0.750	7.000	0.500	0.920	CPMT 32.51	MTS-35	T-15
957-000-135	957-000-136	A16R SCLPR/L3	1.000	8.000	0.625	1.185	CPMT 32.51	MTS-35	T-15
957-000-019	957-000-021	A06K SCLCR/L2	0.375	5.000	0.250	0.460	CCMT 21.51	MTS-255	T-7
957-000-047	957-000-050	A08M SCLCR/L2	0.500	6.000	0.312	0.600	CCMT 21.51	MTS-255	T-7
957-000-083	957-000-085	A10Q SCLCR/L2	0.625	7.000	0.406	0.760	CCMT 21.51	MTS-255	T-7
957-000-049	957-000-052	A08M SCLCR/L3	0.500	6.000	0.344	0.625	CCMT 32.51	MTS-35	T-15
957-000-084	957-000-086	A10Q SCLCR/L3	0.625	7.000	0.406	0.760	CCMT 32.51	MTS-35	T-15
957-000-106	957-000-107	A12Q SCLCR/L3	0.750	7.000	0.500	0.920	CCMT 32.51	MTS-35	T-15
957-000-133	957-000-134	A16R SCLCR/L3	1.000	8.000	0.625	1.185	CCMT 32.51	MTS-35	T-15
957-000-182	957-000-184	A20U SCLCR/L3	1.250	14.000	0.765	1.465	CCMT 32.51	MTS-35	T-15
957-000-183	957-000-185	A20U SCLCR/L4	1.250	14.000	0.765	1.465	CCMT 432	MTS-4	T-20
957-000-198	957-000-199	A24U SCLCR/L4	1.500	14.000	0.890	1.730	CCMT 432	MTS-4	T-20

**MINIMUM CLEARANCE**

**COOLANT THRU**

PRODUCT # LEFT HAND	PRODUCT # RIGHT HAND	DESIGNATION	DCONMS [in.]	LF [in.]	WF [in.]	DMIN [in.]	Insert	Insert Screw	Key
957-000-002	957-000-004	A04G SCLDR/L1.5-138 *	0.250	3.500	0.138	0.275	CDGW 1.510	MTS-184	T-6
957-000-010	957-000-012	A05G SCLPR/L1.8-167 *	0.312	3.500	0.167	0.340	CPMT 1.81.20.5	MTS-224	T-7
957-000-024	957-000-026	A06K SCLPR/L2-203	0.375	5.000	0.203	0.410	CPMT 21.51	MTS-255	T-7
957-000-054	957-000-057	A08M SCLPR/L2-281	0.500	6.000	0.281	0.560	CPMT 21.51	MTS-255	T-7
957-000-020	957-000-022	A06K SCLCR/L2-203	0.375	5.000	0.203	0.410	CCMT 21.51	MTS-255	T-7
957-000-048	957-000-051	A08M SCLCR/L2-281	0.500	6.000	0.281	0.560	CCMT 21.51	MTS-255	T-7

Minimum Clearance Bars are intended for light machining with minimum bore clearance. Max depth of cut .015" - .020"  
\*bars .312 and smaller do not have flats

PRODUCT #	Insert Screws
968-000-086	MTS-183
968-000-087	MTS-184
968-000-088	MTS-2
968-000-091	MTS-224
968-000-092	MTS-255
968-000-094	MTS-35
968-000-090	MTS-2.5L
968-000-052	ETS 4-40

PACKAGE SIZE OF 5

PRODUCT #	Key
968-000-156	T-6
968-000-158	T-7
968-000-149	T-10
968-000-151	T-15
968-000-153	T-20

PACKAGE SIZE OF 5

STEEL

**ULTRA-DEX<sup>®</sup>**



**SERIES "C"**



**POSITIVE 80° DIAMOND (KAPR: 95°)**

**4:1 Ratio**  
**COOLANT THRU**

PRODUCT #	DESIGNATION	DCONMS [in.]	LF [in.]	WF [in.]	DMIN [in.]	KAPR [°]	Insert	Insert Screw	Key
915-000-016	CSUD-180/187-2 1/2-5R *	0.187	2.500	0.104	0.208	95.0	CDHB 1.20.60.5	MTS-183	T-6
915-000-021	CSUD-187-2 1/2-5R *	0.187	2.500	0.116	0.230	95.0	CDHB 1.20.60.5	MTS-183	T-6
915-000-029	CSUD-250-3-5R *	0.250	3.000	0.145	0.285	95.0	CDHB 1.20.60.5	MTS-184	T-6

\*bars do not have flats



**SERIES "C"**

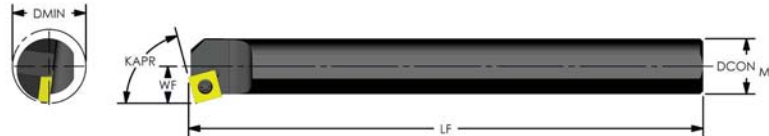


**POSITIVE 80° DIAMOND (KAPR: 97°)**

**4:1 Ratio**  
**COOLANT THRU**

PRODUCT #	DESIGNATION	DCONMS [in.]	LF [in.]	WF [in.]	DMIN [in.]	KAPR [°]	Insert	Insert Screw	Key
915-000-015	CSUD-165/187-2 1/2-7R *	0.187	2.500	0.095	0.180	97.0	CDHB 1.20.60.5	MTS-183	T-6

\*bars do not have flats



**POSITIVE 90° SQUARE (KAPR: 75°)**

**4:1 Ratio**  
**NO COOLANT**

PRODUCT #	DESIGNATION	DCONMS [in.]	LF [in.]	WF [in.]	DMIN [in.]	KAPR [°]	Insert	Insert Screw	Key
957-000-255	S06K SSKCR2	0.375	5.000	0.250	0.460	75.0	SCMT 21.51	MTS-255	T-7
957-000-292	S08M SSKCR3	0.500	6.000	0.344	0.625	75.0	SCMT 32.51	MTS-35	T-15
957-000-325	S10Q SSKCR3	0.625	7.000	0.406	0.760	75.0	SCMT 32.51	MTS-35	T-15
957-000-350	S12Q SSKCR3	0.750	7.000	0.500	0.920	75.0	SCMT 32.51	MTS-35	T-15
957-000-379	S16R SSKCR4	1.000	8.000	0.625	1.185	75.0	SCMT 432	MTS-4	T-20

PRODUCT #	Insert Screws
968-000-086	MTS-183
968-000-087	MTS-184
968-000-088	MTS-2
968-000-091	MTS-224
968-000-092	MTS-255
968-000-094	MTS-35
968-000-090	MTS-2.5L
968-000-052	ETS 4-40

PACKAGE SIZE OF 5

PRODUCT #	Key
968-000-156	T-6
968-000-158	T-7
968-000-149	T-10
968-000-151	T-15
968-000-153	T-20

PACKAGE SIZE OF 5

**STEEL**