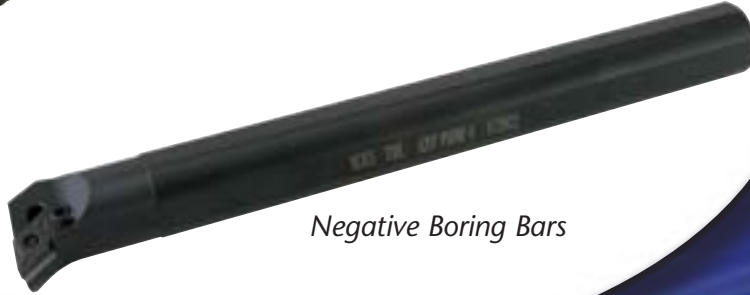


Nexus Turning and Boring Tools and Inserts



Negative Toolholders



Negative Boring Bars

LAMINA
TECHNOLOGIES

HIGH-PERFORMANCE



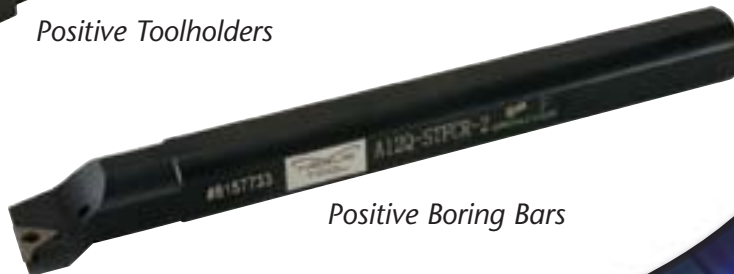
High-Performance Inserts



Aluminum Inserts



Positive Toolholders



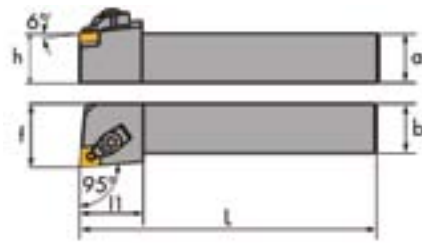
Positive Boring Bars

Attacking Heat & Vibration is in Our DNA.

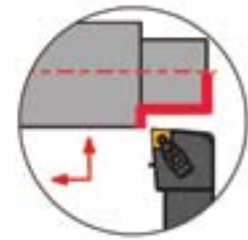
NEXUS
CUTTING
TOOLS
by Techniks

Nexus Turning & Boring Tools and Inserts

Negative Turning Toolholders



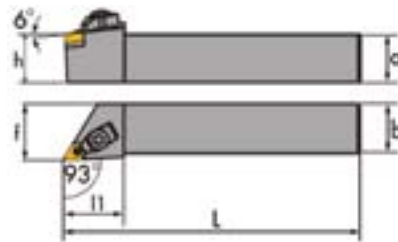
right hand shown - see table for left hand



turning facing

MCLNR/L 95°

Part No.	Description	a=h	b	L	l1	f	Insert	Clamp Screw	Shim	Clamp	Lock Pin	Wrench
8669911	MCLNR-16-4D	1.00	1.00	6.00	1.25	1.25	CN_ _43_	9344888	9333111	9344111	9344666	9322121
8669912	MCLNL-16-4D	1.00	1.00	6.00	1.25	1.25	CN_ _43_	9344888	9333111	9344111	9344666	9322121



right hand shown - see table for left hand



profile turning

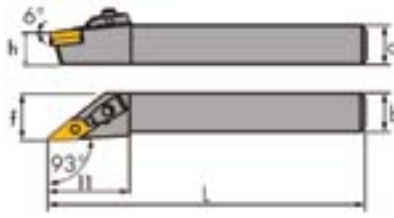
MDJNR/L 93°

Part No.	Description	a=h	b	L	l1	f	Insert	Clamp Screw	Shim	Clamp	Lock Pin	Wrench
8679921	MDJNR-16-4D	1.00	1.00	6.00	1.50	1.25	DN_ _43_	9344888	9344888	93344222	9344777	9322121
8679922	MDJNL-16-4D	1.00	1.00	6.00	1.50	1.25	DN_ _43_	9344888	9344888	93344222	9344777	9322121



HIGH-PERFORMANCE
3x the Thickness of Conventional PVD!

Negative Turning Toolholders



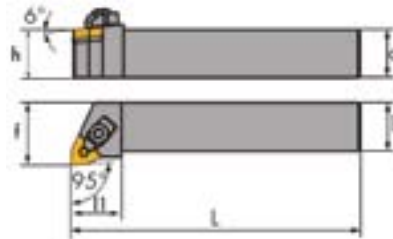
right hand shown - see table for left hand



profile turning

MVJNR/L 93°

Part No.	Description	a=h	b	L	l1	f	Insert	Clamp Screw	Shim	Clamp	Lock Pin	Wrench
8689931	MVJNR-16-3D	1.00	1.00	6.00	1.77	1.25	VN_33_	9344888	9333666	9344333	9344555	9322121
8689932	MVJNL-16-3D	1.00	1.00	6.00	1.77	1.25	VN_33_	9344888	9333666	9344333	9344555	9322121



right hand shown - see table for left hand



turning & facing

MWLNR/L 95°

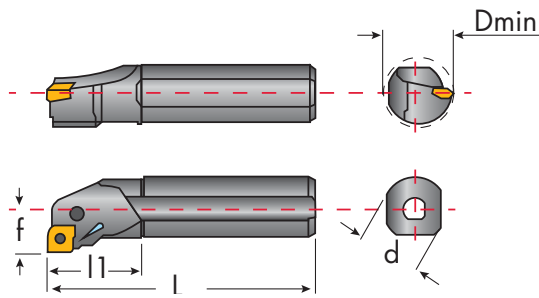
Part No.	Description	a=h	b	L	l1	f	Insert	Clamp Screw	Shim	Clamp	Lock Pin	Wrench
8649941	MWLNR-16-4D	1.00	1.00	6.00	1.38	1.25	WN_43_	9344888	9333888	9344111	9344666	9322121
8649942	MWLNL-16-4D	1.00	1.00	6.00	1.38	1.25	WN_43_	9344888	9333888	9344111	9344666	9322121



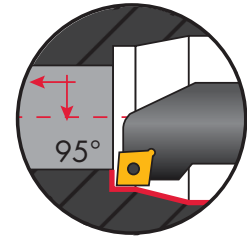
Negative Boring Bars – Coolant-Thru



PCLNR/L 95°



right hand shown - see table for left hand

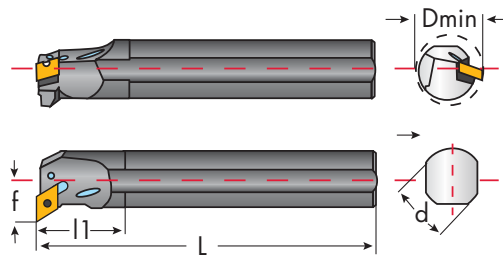


boring & facing

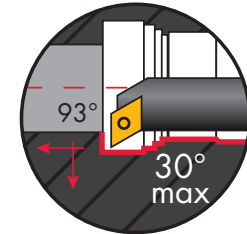
Part No.	Description	d	Dmin	L	l1	f	Insert	Shim	Shim Pin	Lever	Lock Screw	Wrench
8168811	A16T-PCLNR-4	1.00	1.280	12	1.570	0.640	CN_43_	-	-	9335333	9345222	9322116
8168821	A16T-PCLNL-4	1.00	1.400	12	1.570	0.640	CN_43_	-	-	9335333	9345222	9322116
8168812	A20T-PCLNR-4	1.25	1.460	12	1.970	0.77	CN_43_	9333252	9333999	9335222	9345333	9322121
8168822	A20T-PCLNL-4	1.25	1.530	12	1.570	0.77	CN_43_	9333252	9333999	9335222	9345333	9322121
8168813	A24U-PCLNR-4	1.50	1.760	14	2.360	0.890	CN_43_	9333252	9333999	9335222	9345333	9322121
8168823	A24U-PCLNL-4	1.50	1.760	14	2.360	0.890	CN_43_	9333252	9333999	9335222	9345333	9322121



PDUNR/L 93°



right hand shown - see table for left hand



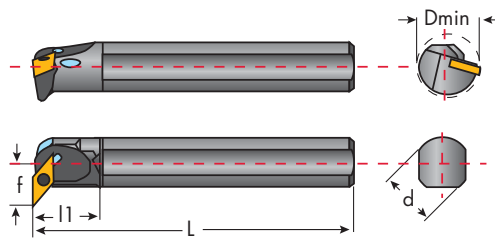
profile boring

Part No.	Description	d	Dmin	L	l1	f	Insert	Shim	Shim Pin	Lever	Lock Screw	Wrench
8178831	A16T-PDUNR-3	1.00	1.300	12	1.380	0.750	DN_33_	-	-	9335111	9345111	9322111
8178841	A16T-PDUNL-3	1.00	1.300	12	1.380	0.750	DN_33_	-	-	9335111	9345111	9322111
8178832	A20T-PDUNR-4	1.25	1.700	12	1.970	1.000	DN_43_	9333353	9333999	9335222	9345333	9322121
8178842	A20T-PDUNL-4	1.25	1.700	12	1.970	1.000	DN_43_	9333353	9333999	9335222	9345333	9322121
8178833	A24U-PDUNR-4	1.50	2.000	14	1.970	1.13	DN_43_	9333353	9333999	9335222	9345333	9322121
8178843	A24U-PDUNL-4	1.50	2.000	14	1.970	1.13	DN_43_	9333353	9333999	9335222	9345333	9322121

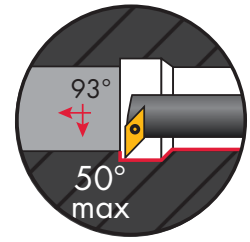


HIGH-PERFORMANCE
3x the Thickness of Conventional PVD!

Nexus Boring Bars – Coolant-Thru



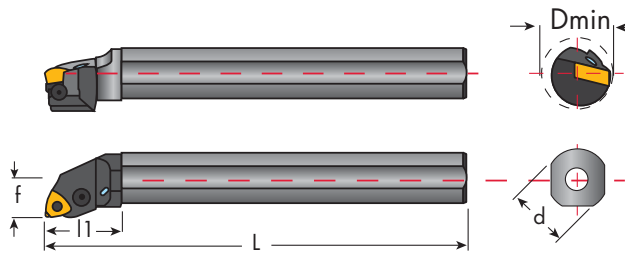
right hand shown - see table for left hand



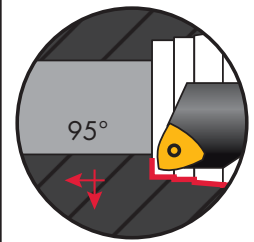
profile boring

PVUNR/L 93°

Part No.	Description	d	Dmin	L	l1	f	Insert	Lever	Lock Screw	Wrench
8188851	A16T-PVUNR-3	1.00	1.500	12	1.380	0.800	VN_33_	9335111	9345111	9322111
8188861	A16T-PVUNL-3	1.00	1.500	12	1.380	0.800	VN_33_	9335111	9345111	9322111
8188852	A20T-PVUNR-3	1.25	2.250	12	1.570	1.13	VN_33_	9335111	9345111	9322111
8188862	A20T-PVUNL-3	1.25	2.250	12	1.570	1.13	VN_33_	9335111	9345111	9322111



right hand shown - see table for left hand



boring & facing

PVLNR/L 95°

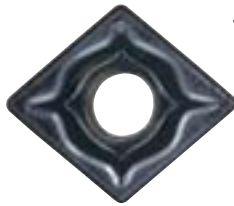
Part No.	Description	d	Dmin	L	l1	f	Insert	Shim	Shim Pin	Lever	Lock Screw	Wrench
8148871	A16T-PVLNR-4	1.00	1.300	12	1.770	0.750	WN_43_	-	-	9335333	9345222	9322116
8188881	A16T-PVLNL-4	1.00	1.300	12	1.770	0.750	WN_43_	-	-	9335333	9345222	9322116
8148872	A20T-PVLNR-4	1.25	1.700	12	1.970	1.000	WN_43_	9333757	9333999	9335222	9345333	9322121
8188882	A20T-PVLNL-4	1.25	1.700	12	1.970	1.000	WN_43_	9333757	9333999	9335222	9345333	9322121
8188873	A24U-PVLNR-4	1.50	2.000	14	2.360	1.000	WN_43_	9333757	9333999	9335222	9345333	9322121
8188883	A24U-PVLNL-4	1.50	2.000	14	2.360	1.000	WN_43_	9333757	9333999	9335222	9345333	9322121



Magia Negative Turning & Boring Inserts



NN Chipbreaker



NX Chipbreaker

Features

- Ultra-thick, patented PVD coating dramatically increases tool life
- Very low flank and plastic deformation minimize or eliminate offsets
- Advanced high-performance grade offers ultimate versatility
- Exceptional performance in High Temp Alloys



LAMINA
TECHNOLOGIES

HIGH-PERFORMANCE
3x the Thickness of Conventional PVD!

Negative Turning and Boring Inserts

Part No.	Description	Grade	Radius	Operation	Material
6608011	CNMG431NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
6608016	CNMG432NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
6608021	CNMG433NN-LT1000-Insert	LT1000	0.047	Roughing	P-M-K-S-H
6608026	CNMG432NX-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
6608031	CNMP432NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
6608036	CNMP433NN-LT1000-Insert	LT1000	0.047	Roughing	P-M-K-S-H
7608011	DNMG331NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
7608016	DNMG332NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
7608021	DNMG431NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
7608026	DNMG432NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
7608031	DNMG433NN-LT1000-Insert	LT1000	0.047	Roughing	P-M-K-S-H
3578011	TNMG331NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
3578016	TNMG332NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
3578021	TNMG333NN-LT1000-Insert	LT1000	0.047	Roughing	P-M-K-S-H
3578026	TNMP332NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
8608011	VNMG331NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
8608016	VNMG332NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
4608011	WNMG431NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
4608016	WNMG432NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
4608021	WNMG432NX-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
4608026	WNMG433NN-LT1000-Insert	LT1000	0.047	Roughing	P-M-K-S-H
4608031	WNMP432NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
3463321	WNMG432NN-LT1000	LT1000	0.031	General	P-M-K-S-H

P = steel, M = stainless, K = cast iron, S = high temp alloys, H = hardened material, N = aluminum & alloys

Negative Turning & Boring Inserts – LT10, LT05

LT10 Inserts for Negative Turning and Boring

CNMG

Part No.	Description	Grade	Radius	Operation	Material
6607029	CNMG431-NN	LT 10	0.016	Finishing	P-M-K-S-H
6607033	CNMG432-NN	LT 10	0.031	General	P-M-K-S-H
6607037	CNMG433-NN	LT 10	0.047	Roughing	P-M-K-S-H

CNMP

Part No.	Description	Grade	Radius	Operation	Material
6607041	CNMP432-NN	LT 10	0.031	General	P-M-K-S-H
6607045	CNMP433-NN	LT 10	0.047	Roughing	P-M-K-S-H

DNMG

Part No.	Description	Grade	Radius	Operation	Material
7607061	DNMG331-NN	LT 10	0.016	Finishing	P-M-K-S-H
7607065	DNMG332-NN	LT 10	0.031	General	P-M-K-S-H
7607069	DNMG431-NN	LT 10	0.016	Finishing	P-M-K-S-H
7607073	DNMG432-NN	LT 10	0.031	General	P-M-K-S-H
7607077	DNMG433-NN	LT 10	0.047	Roughing	P-M-K-S-H

VNMG

Part No.	Description	Grade	Radius	Operation	Material
8607241	VNMG331-NN	LT 10	0.016	Finishing	P-M-K-S-H
8607245	VNMG332-NN	LT 10	0.031	General	P-M-K-S-H

WNMG

Part No.	Description	Grade	Radius	Operation	Material
4607257	WNMG431-NN	LT 10	0.016	Finishing	P-M-K-S-H
4607261	WNMG432-NN	LT 10	0.031	General	P-M-K-S-H
4607265	WNMG433-NN	LT 10	0.047	Roughing	P-M-K-S-H

WNMP

Part No.	Description	Grade	Radius	Operation	Material
4607277	WNMP432-NN	LT 10	0.031	General	P-M-K-S-H

LT5 Inserts for Aluminum Negative Turning and Boring

CNGG

Part No.	Description	Grade	Radius	Operation	Material
6607901	CNGG431-ALU	LT 05	0.016	Finishing	N
6607905	CNGG432-ALU	LT 05	0.031	General	N

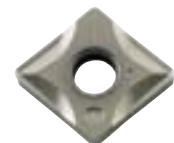
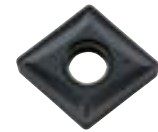
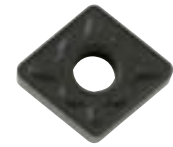
DNGG

Part No.	Description	Grade	Radius	Operation	Material
7607909	DNGG331-ALU	LT 05	0.016	Finishing	N
7607913	DNGG332-ALU	LT 05	0.031	General	N

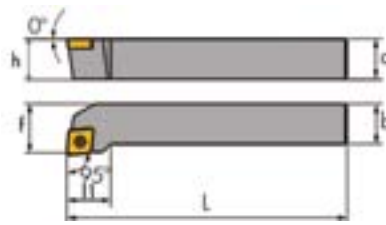
VNGG

Part No.	Description	Grade	Radius	Operation	Material
8607921	VNGG331-ALU	LT 05	0.016	Finishing	N
8607925	VNGG332-ALU	LT 05	0.031	General	N

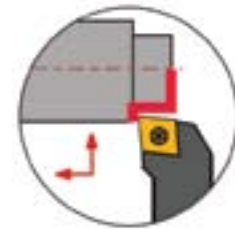
P = steel, M = stainless, K = cast iron, S = high temp alloys, H = hardened material, N = aluminum & alloys



Nexus Positive Turning Toolholders



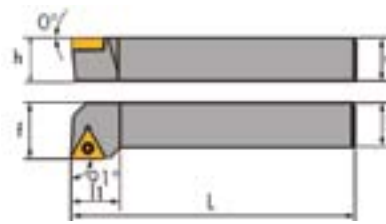
right hand shown - see table for left hand



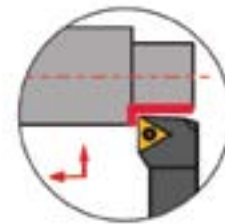
turning & facing

SCLCR/L 95°

Part No.	Description	a=h	b	L	l1	f	Insert	Screw	Shim	Shim Screw	Wrench
8665511	SCLCR-08-3J	0.500	0.500	3.500	0.630	0.630	CC_32.5_	9317446	-	-	9355555
8665522	SCLCL-08-3J	0.500	0.500	3.500	0.630	0.630	CC_32.5_	9317446	-	-	9355555
8665533	SCLCR-12-4C	0.750	0.750	5.000	1.000	1.000	CC_43_	9319446	9333222	9319648	9355555
8665544	SCLCL-12-4C	0.750	0.750	5.000	1.000	1.000	CC_43_	9319446	9333222	9319648	9355555



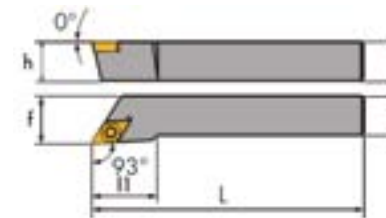
right hand shown - see table for left hand



turning & facing

STGCR/L 91°

Part No.	Description	a=h	b	L	l1	f	Insert	Screw	Shim	Shim Screw	Wrench
8655512	STGCR-08-2J	0.500	0.500	3.500	0.550	0.630	TC_21.5_	9316547	-	-	9355222
8655523	STGCL-08-2J	0.500	0.500	3.500	0.550	0.630	TC_21.5_	9316547	-	-	9355222
8655534	STGCR-12-3C	0.750	0.750	5.000	0.830	1.000	TC_32.5_	9318446	9333555	9319547	9355555
8655545	STGCL-12-3C	0.750	0.750	5.000	0.830	1.000	TC_32.5_	9318446	9333555	9319547	9322126



right hand shown - see table for left hand

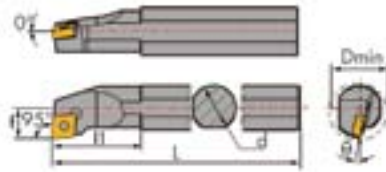


profile turning

SDJCR/L 93°

Part No.	Description	a=h	b	L	l1	f	Insert	Screw	Shim	Shim Screw	Wrench
8675555	SDJCR-08-2J	0.500	0.500	3.500	0.600	0.630	DC_21.5_	9316547	*	*	9355222
8675566	SDJCL-08-2J	0.500	0.500	3.500	0.600	0.630	DC_21.5_	9316547	*	*	9355222
8675577	SDJCR-12-3C	0.750	0.750	5.000	0.950	1.000	DC_32.5_	9318446	9333333	9319547	9355555
8675588	SDJCL-12-3C	0.750	0.750	5.000	0.950	1.000	DC_32.5_	9318446	9333333	9319547	9322126

Nexus Positive Boring Bars – Coolant-Thru



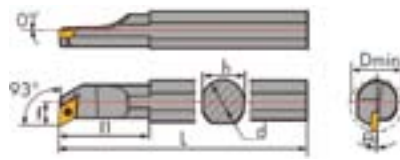
right hand shown - see table for left hand



boring & facing

SCLCR/L 95°

Part No.	Description	d	Dmin	L	l1	f	Insert	Screw	Wrench
8167711	A06H-SCLCR-2	0.375	0.472	4.00	0.551	0.236	CC_21.5_	9311455	9355222
8167722	A06H-SCLCL-2	0.375	0.472	4.00	0.551	0.236	CC_21.5_	9311455	9355222
8167733	A08K-SCLCR-2	0.500	0.630	5.00	0.984	0.354	CC_21.5_	9311455	9355222
8167744	A08K-SCLCL-2	0.500	0.630	5.00	0.984	0.354	CC_21.5_	9311455	9355222
8167755	A10M-SCLCR-3	0.625	0.787	6.00	1.280	0.433	CC_32.5_	9317446	9355555
8167766	A10M-SCLCL-3	0.625	0.787	6.00	1.280	0.433	CC_32.5_	9317446	9355555
8167777	A12Q-SCLCR-3	0.750	0.984	7.00	1.496	0.512	CC_32.5_	9317446	9355555
8167788	A12Q-SCLCL-3	0.750	0.984	7.00	1.496	0.512	CC_32.5_	9317446	9355555



right hand shown - see table for left hand



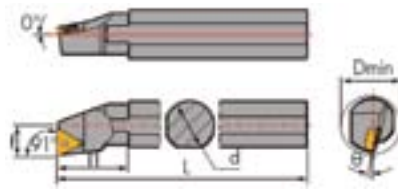
profile boring

SDUCR/L 93°

Part No.	Description	d	Dmin	L	l1	f	Insert	Screw	Wrench
8177711	A06H-SDUCR-2	0.375	0.512	4.00	-	0.276	DC_21.5_	9311455	9355222
8177722	A06H-SDUCL-2	0.375	0.512	4.00	-	0.276	DC_21.5_	9311455	9355222
8177733	A08K-SDUCR-2	0.500	0.625	5.00	0.866	0.354	DC_21.5_	9316547	9355222
8177744	A08K-SDUCL-2	0.500	0.625	5.00	0.866	0.354	DC_21.5_	9316547	9355222
8177755	A10M-SDUCR-2	0.625	0.787	6.00	1.063	0.433	DC_21.5_	9316547	9355222
8177766	A10M-SDUCL-2	0.625	0.787	6.00	1.063	0.433	DC_21.5_	9316547	9355222
8177777	A12Q-SDUCR-3	0.750	0.984	7.00	1.575	0.512	DC_32.5_	6811259	9355555
8177788	A12Q-SDUCL-3	0.750	0.984	7.00	1.575	0.512	DC_32.5_	6811259	9355555



Nexus Boring Bars – Coolant-Thru



right hand shown



boring & facing

STFCR/L 91°

Part No.	Description	d	Dmin	L	l1	f	Insert	Screw	Wrench
8157711	A08K-STFCR-2	0.500	0.630	5.00	1.024	0.354	TC_ _21.5_	9316547	9355555
8157722	A10M-STFCR-2	0.625	0.787	6.00	1.181	0.434	TC_ _21.5_	9316547	9355555
8157733	A12Q-STFCR-2	0.750	0.984	7.00	1.417	0.512	TC_ _21.5_	9316547	9355555



Magia Positive Turning & Boring Inserts



NN Chipbreaker

Features

- Ultra-thick, patented PVD coating dramatically increases tool life
- Very low flank and plastic deformation minimize or eliminate offsets
- Advanced high-performance grade offers ultimate versatility
- Exceptional performance in High Temp Alloys



HIGH-PERFORMANCE
3x the Thickness of Conventional PVD!

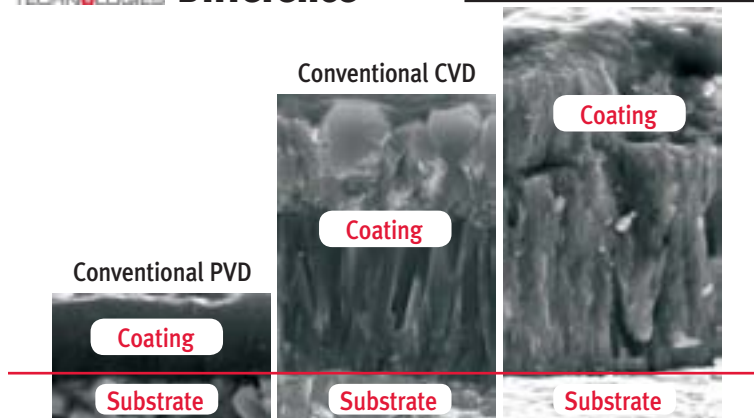
Positive Turning and Boring Inserts

Part No.	Description	Grade	Radius	Operation	Material
3668011	CCMT21.51NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
3668021	CCMT32.51NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
3668026	CCMT32.52NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
3768811	DCMT21.51NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
3768821	DCMT32.51NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
3768826	DCMT32.52NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
3568831	TCMT21.51NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
3568841	TCMT21.52NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
3568851	TCMT32.51NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
3568861	TCMT32.52NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
8608831	VCMT331NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
8608836	VCMT332NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H

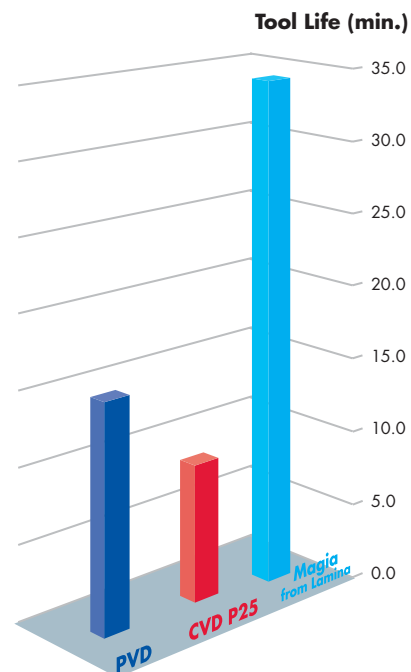
P = steel, M = stainless, K = cast iron, S = high temp alloys, H = hardened material, N = aluminum & alloys

HIGH-PERFORMANCE
3x the Thickness of Conventional PVD!

The LAMINA Difference



Greater Tool Life with
Magia from LAMINA

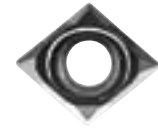


*Tech-Center test report

Positive Turning & Boring Inserts

CC__

Part No.	Description	Grade	Radius	Operation	Material
3663336	CCGX21.51-LH-Insert-101-HP	101	0.016	Finishing	N
3663337	CCGX32.51-LH-Insert-101-HP	101	0.016	Finishing	N
3663338	CCGX32.52-LH-Insert-101-HP	101	0.031	Finishing	N
3663339	CCGX432-LH-Insert-101-HP	101	0.031	Finishing	N
3668011	CCMT21.51NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
3664411	CCMT21.51NN-LT10-Insert	LT10	0.016	General	P-M-K-S-H
3668021	CCMT32.51NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
3664413	CCMT32.51NN-LT10-Insert	LT10	0.016	General	P-M-K-S-H
3668026	CCMT32.52NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
3664416	CCMT32.52NN-LT10-Insert	LT10	0.031	General	P-M-K-S-H
3664419	CCMT32.52WM-LT 10-Insert	LT10	0.031	General	P-M-K-S-H



CCGX



CCMT

DC__

Part No.	Description	Grade	Radius	Operation	Material
3763336	DCGX21.51-LH-Insert-101-HP	101	0.016	Finishing	N
3763337	DCGX32.52-LH-Insert-101-HP	101	0.031	Finishing	N
3768811	DCMT21.51NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
3764421	DCMT21.51NN-LT10-Insert	LT10	0.016	Finishing	P-M-K-S-H
3768821	DCMT32.51NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
3764424	DCMT32.51NN-LT10-Insert	LT10	0.016	Finishing	P-M-K-S-H
3768826	DCMT32.52NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
3764427	DCMT32.52NN-LT10-Insert	LT10	0.031	General	P-M-K-S-H
3732040	DCMT432PM4-Insert-5615	5615	0.031	General	P-M-K-S-H



DCMT

TC__

Part No.	Description	Grade	Radius	Operation	Material
3563336	TCGX21.51-LH-Insert-101-HP	101	0.016	Finishing	N
3563337	TCGX32.52-LH-Insert-101-HP	101	0.031	Finishing	N
3533010	TCMT1.2(1).5PF4-Insert-5615	5615	0.016	General	P-M-K-S-H
3533020	TCMT1.2(1)1PF4-Insert-5625	5625	0.016	Finishing	P-M-K-S-H
3533030	TCMT1.8(1.5)1PF4-Insert-5625	5625	0.016	Finishing	P-M-K-S-H
3568831	TCMT21.51NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
3564431	TCMT21.51NN-LT10-Insert	LT10	0.016	Finishing	P-M-K-S-H
3568841	TCMT21.52NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
3564435	TCMT21.52NN-LT10-Insert	LT10	0.031	General	P-M-K-S-H
3568851	TCMT32.51NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
3564438	TCMT32.51NN-LT10-Insert	LT10	0.016	General	P-M-K-S-H
3568861	TCMT32.52NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
3564441	TCMT32.52NN-LT10-Insert	LT10	0.031	General	P-M-K-S-H
3533090	TCMT32.52PM4-Insert-5625	5625	0.031	General	P-M-K-S-H



TCGX



TCMT

V_MT

Part No.	Description	Grade	Radius	Operation	Material
3862215	VBMT221NN-LT10-Insert	LT10	0.016	General	P-M-K-S-H
3862221	VBMT331NN-LT10-Insert	LT10	0.016	Finishing	P-M-K-S-H
3862225	VBMT332NN-LT10-Insert	LT10	0.031	General	P-M-K-S-H
8608831	VCMT331NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
8608836	VCMT332NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H



VBMT

P = steel, M = stainless, K = cast iron, S = high temp alloys, H = hardened material, N = aluminum & alloys

Machining Guide for Turning

LAMINA
TECHNOLOGIES

HIGH-PERFORMANCE

Material Group	No.	Material Examples	hardness BHn	Nose radius 1/64" (04)		Nose radius 2/64" (08)		Nose radius 3/64" (12)		Initial SFM	
				d.o.c	f	d.o.c	f	d.o.c	f		
Low Carbon Steel	1	1018 / 1020	150	0.015	0.004	0.030	0.009	0.040	0.012	1300	
		1026 / 12414	180	to	to	to	to	to	to	975	
		1045	210	0.060	0.006	0.125	0.011	0.200	0.020	825	
Alloy Steel	2	8620	180	0.015	0.004	0.030	0.009	0.040	0.012	1000	
		4140	230	to	to	to	to	to	to	800	
		4340	280	0.060	0.005	0.125	0.011	0.157	0.018	675	
		52100	320							550	
High Alloy Steel	3	ASTM A353	220	0.015	0.004	0.030	0.008	0.040	0.013	525	
			280	to		to	to	to	400		
		H13	320	0.060		0.125	0.010	0.125	0.018	350	
			350							300	
Austenitic Stainless Steel	4	303 / 304 304 L	210 to 250	0.015 to 0.060	0.005 to 0.006	0.030 to 0.125	0.007 to 0.012	0.040 to 0.200	0.012 to 0.020	700	
		5	316 / 316 L	230 to 270	0.015 to 0.060	0.004 to 0.006	0.030 to 0.125	0.007 to 0.010	0.040 to 0.157	0.011 to 0.018	600
		6	i316 T 630 (F16PH)	230 to 270	0.015 to 0.050	0.005	0.030 to 0.125	0.007 to 0.010	0.040 to 0.125	0.011 to 0.018	350
Ferritic Stainless Steel	7	430 / 439 / 444	200 to 300	0.015 to 0.060	0.005 to 0.006	0.030 to 0.125	0.009 to 0.011	0.030 to 0.157	0.012 to 0.018	600	
Martensitic Stainless Steel	8	410 / 420	200 to 300	0.015 to 0.060	0.005 to 0.006	0.030 to 0.125	0.009 to 0.011	0.030 to 0.157	0.012 to 0.018	600 450	
Grey Cast Iron	9	Class 20	140 to 250	0.008	0.003	0.030	0.007	0.030	0.012	750	
		Class 30		to	to	to	to	to	to	700	
		Class 40		0.060	0.006	0.187	0.014	0.200	0.024	625	
Nodular Cast Iron	10	60-40-18	210	0.008	0.004	0.030	0.007	0.030	0.012	625	
		80-55-06	260	to	to	to	to	to	to	550	
		1000-70-03	310	0.060	0.005	0.125	0.012	0.200	0.020	450	
Nickel Based Alloys	11	Inconel 625	—	0.009	0.004	0.030	0.007	0.030	0.012	100	
		Inconel 718		to	to	to	to	to	to	115	
		Hastelloy C		0.047	0.005	0.125	0.011	0.125	0.017	200	
Titanium Based Alloys	12	TiAl 6 V4	—	0.009 to 0.047	0.004 to 0.006	0.030 to 0.125	0.007 to 0.012	0.030 to 0.157	0.012 to 0.018	165 125	
		Aluminum		13	Si < 4%	—	0.008 to	0.005 to	0.008 to	0.006 to	
Aluminum		4% < Si < 9%	—	0.200	0.010	0.200	0.020			1350	
For Alu group 13, please use our Alu line grade LT-05											
Aluminum	14	Si >9%	—	0.020-0.200	0.003-0.009	0.020-0.200	0.007-0.016	0.020-0.200	0.009-0.024	750	
For Alu group 14, please use inserts grade LT-10											

Nexus Turning & Boring Tools and Inserts



All Nexus Tool products are backed by our 100% satisfaction guarantee.

Master List of Turning & Boring Inserts

Part No.	Description	Grade	Radius	Operation	Material
3663336	CCGX21.51-LH-Insert-101-HP	101	0.016	Finishing	N
3663337	CCGX32.51-LH-Insert-101-HP	101	0.016	Finishing	N
3663338	CCGX32.52-LH-Insert-101-HP	101	0.031	Finishing	N
3663339	CCGX432-LH-Insert-101-HP	101	0.031	Finishing	N
3668011	CCMT21.51NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
3664411	CCMT21.51NN-LT10-Insert	LT10	0.016	General	P-M-K-S-H
3668021	CCMT32.51NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
3664413	CCMT32.51NN-LT10-Insert	LT10	0.016	General	P-M-K-S-H
3668026	CCMT32.52NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
3664416	CCMT32.52NN-LT10-Insert	LT10	0.031	General	P-M-K-S-H
3664419	CCMT32.52WM-LT 10-Insert	LT10	0.031	General	P-M-K-S-H
6607901	CNGG431-ALU-LT05-Insert	LT05	0.016	Finishing	N-S
6607905	CNGG432-ALU-LT05-Insert	LT05	0.031	General	N-S
6608011	CNMG431NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
6607029	CNMG431NN-LT10-Insert	LT10	0.016	General	P-M-K-S-H
6608016	CNMG432NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
6607033	CNMG432NN-LT10-Insert	LT10	0.031	General	P-M-K-S-H
6601436	CNMG432NR-LT10-Insert	LT10	0.031	General	P-M-K-S-H
6608026	CNMG432NX-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
6600060	CNMG432WM-LT10-Insert	LT10	0.031	General	P-M-K-S-H
6607041	CNMG432WM-LT10-Insert	LT10	0.031	General	P-M-K-S-H
6608021	CNMG433NN-LT1000-Insert	LT1000	0.047	Roughing	P-M-K-S-H
6607037	CNMG433NN-LT10-Insert	LT10	0.047	General	P-M-K-S-H
6608031	CNMP432NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
6607045	CNMP432NN-LT10-Insert	LT10	0.031	General	P-M-K-S-H
6608036	CNMP433NN-LT1000-Insert	LT1000	0.047	Roughing	P-M-K-S-H
3665525	CNMP433NN-LT10-Insert	LT10	0.047	General	P-M-K-S-H
3763336	DCGX21.51-LH-Insert-101-HP	101	0.016	Finishing	N
3763337	DCGX32.52-LH-Insert-101-HP	101	0.031	Finishing	N
3768811	DCMT21.51NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
3764421	DCMT21.51NN-LT10-Insert	LT10	0.016	Finishing	P-M-K-S-H
3768821	DCMT32.51NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
3764424	DCMT32.51NN-LT10-Insert	LT10	0.016	Finishing	P-M-K-S-H
3768826	DCMT32.52NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
3764427	DCMT32.52NN-LT10-Insert	LT10	0.031	General	P-M-K-S-H
3732040	DCMT432PM4-Insert-5615	5615	0.031	General	P-M-K-S-H
7607909	DNGG331-ALU-LT05-Insert	LT05	0.016	Finishing	N-S
7607913	DNGG332-ALU-LT05-Insert	LT05	0.031	General	N-S
7608011	DNMG331NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H



CCGX



CCMT



CNMG



DCMT



DNGG

P = steel, M = stainless, K = cast iron, S = high temp alloys, H = hardened material, N = aluminum & alloys

Master List of Turning & Boring Inserts

Part No.	Description	Grade	Radius	Operation	Material
7607061	DNMG331NN-LT10-Insert	LT10	0.016	General	P-M-K-S-H
7608016	DNMG332NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
7607065	DNMG332NN-LT10-Insert	LT10	0.031	General	P-M-K-S-H
7608021	DNMG431NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
7607069	DNMG431NN-LT10-Insert	LT10	0.016	Finishing	P-M-K-S-H
7608026	DNMG432NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
7607073	DNMG432NN-LT10-Insert	LT10	0.031	General	P-M-K-S-H
7608031	DNMG433NN-LT1000-Insert	LT1000	0.047	Roughing	P-M-K-S-H
7607077	DNMG433NN-LT10-Insert	LT10	0.047	Roughing	P-M-K-S-H
3263311	SNMG432NN-LT10-Insert	LT30	0.031	General	P-M-K-S-H
3263322	SNMG433NN-LT10-Insert	LT30	0.047	General	P-M-K-S-H
3563336	TCGX21.51-LH-Insert-101-HP	101	0.016	Finishing	N
3563337	TCGX32.52-LH-Insert-101-HP	101	0.031	Finishing	N
3533010	TCMT1.2(1).5PF4-Insert-5615	5615	0.016	General	P-M-K-S-H
3533020	TCMT1.2(1)1PF4-Insert-5625	5625	0.016	Finishing	P-M-K-S-H
3533030	TCMT1.8(1.5)1PF4-Insert-5625	5625	0.016	Finishing	P-M-K-S-H
3568831	TCMT21.51NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
3564431	TCMT21.51NN-LT10-Insert	LT10	0.016	Finishing	P-M-K-S-H
3568841	TCMT21.52NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
3564435	TCMT21.52NN-LT10-Insert	LT10	0.031	General	P-M-K-S-H
3568851	TCMT32.51NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
3564438	TCMT32.51NN-LT10-Insert	LT10	0.016	General	P-M-K-S-H
3568861	TCMT32.52NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
3564441	TCMT32.52NN-LT10-Insert	LT10	0.031	General	P-M-K-S-H
3533090	TCMT32.52PM4-Insert-5625	5625	0.031	General	P-M-K-S-H
3567711	TNGG331-ALU-LT05-Insert	LT05	0.016	Finishing	N-S
3578011	TNMG331NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
3577715	TNMG331NN-LT10-Insert	LT10	0.016	Finishing	P-M-K-S-H
3578016	TNMG332NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
3567721	TNMG332NN-LT10-Insert	LT10	0.031	General	P-M-K-S-H
3578021	TNMG333NN-LT1000-Insert	LT1000	0.047	Roughing	P-M-K-S-H
3578026	TNMP332NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
3567735	TNMP332NN-LT10-Insert	LT10	0.031	General	P-M-K-S-H
3862215	VBMT221NN-LT10-Insert	LT10	0.016	General	P-M-K-S-H
3862221	VBMT331NN-LT10-Insert	LT10	0.016	Finishing	P-M-K-S-H
3862225	VBMT332NN-LT10-Insert	LT10	0.031	General	P-M-K-S-H
8608831	VCMT331NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
8608836	VCMT332NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
8607921	VNGG331-ALU-LT05-Insert	LT05	0.016	Finishing	N-S



TCGX



VNGG

P = steel, M = stainless, K = cast iron, S = high temp alloys, H = hardened material, N = aluminum & alloys

Master List of Turning & Boring Inserts

Part No.	Description	Grade	Radius	Operation	Material
8607925	VNGG332-ALU-LT05-Insert	LT05	0.031	General	N-S
8608011	VNMG331NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
8607241	VNMG331NN-LT10-Insert	LT10	0.016	Finishing	P-M-K-S-H
8608016	VNMG332NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
8607245	VNMG332NN-LT10-Insert	LT10	0.031	General	P-M-K-S-H
3463311	WNMG331NN-LT10-Insert	LT10	0.016	Finishing	P-M-K-S-H
3463315	WNMG332NN-LT10-Insert	LT10	0.031	General	P-M-K-S-H
4608011	WNMG431NN-LT1000-Insert	LT1000	0.016	Finishing	P-M-K-S-H
4607257	WNMG431NN-LT10-Insert	LT10	0.016	General	P-M-K-S-H
3463321	WNMG432NN-LT1000 Magia Insert	LT1000	0.031	General	P-M-K-S-H
4608016	WNMG432NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
4607261	WNMG432NN-LT10-Insert	LT10	0.031	General	P-M-K-S-H
4601437	WNMG432NR-LT10-Insert	LT10	0.031	General	P-M-K-S-H
4608021	WNMG432NX-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
4600076	WNMG432WM-LT10-Insert	LT10	0.031	General	P-M-K-S-H
4608026	WNMG433NN-LT1000-Insert	LT1000	0.047	Roughing	P-M-K-S-H
4607265	WNMG433NN-LT10-Insert	LT10	0.047	Roughing	P-M-K-S-H
4608031	WNMP432NN-LT1000-Insert	LT1000	0.031	General	P-M-K-S-H
4607277	WNMP432NN-LT10-Insert	LT10	0.031	General	P-M-K-S-H



WNMG

P = steel, M = stainless, K = cast iron, S = high temp alloys, H = hardened material, N = aluminum & alloys

Lamina Inserts Machining Guide

As a new user of the revolutionary Lamina inserts, we would like to present to you a short machining guide to insure your satisfaction with our product. The cutting data specified in this guide should be considered as a good starting point. Each insert is able to perform in a wider range of cutting conditions.

Turning (See Machining Guide on page 257)

1. Select the material group to be machined.
2. Select the insert nose radius.
3. Select cutting depth and feed according to radius.
4. The cutting speed is indicated in the right-hand column.

Turning Tips

- The cutting conditions are Nexus Tool guidelines for optimal machining, however our inserts can work in a wider range of cutting conditions to meet special machining needs.
- According to our recommended cutting conditions, A-max should be used for optimum results.

- When machining stainless steel, make sure your speed is over the minimum requirement. Stainless steel can be gummy. Running it too slowly can cause gaulding (weldment of the chip to the insert).
- Coolant recommendations:
Use coolant with materials from groups 6, 7, 8, 9, 10, 11, 12. Do not use coolant with materials from groups 1, 2, 4. Use coolant with materials from groups 3, 5 — depending on the application.
- Always verify that the toolholder and shim are in good condition (not damaged).
- If chips are too long, we recommend increasing feed rate.
- If chips are not controlled (vary in shape and size), we recommend increasing feed rate and reducing depth of cut.
- For the internal boring operations, the toolholder should be as short as possible and shank as big as possible.
- In the case of chatter, we recommend reducing cutting speed, and increasing feed rate.
- Reduce the feed rate for heavy interrupted cuts.

Formulas & Conversions

Definition

Formula

Inches Per Tooth (IPT or Chip Load)

The thickness of material that is removed by one tooth in one complete revolution.

Inches Per Revolution (IPR)

The linear distance that a tool advances in one complete revolution.

$$\text{IPR} = \text{IPT} \times \text{NUMBER OF TEETH}$$

Inches Per Minute (IPM)

The linear distance, in inches, that the tool advances in one minute.

$$\text{IPM} = \text{IPR} \times \text{RPM}$$

Surface Feet Per Minute (SFPM)

The linear distance, in feet, that the cutting edge of the tool travels in one minute.

$$\text{SFPM} = \frac{\text{RPM} \times \text{DIA}}{3.82}$$

Revolutions Per Minute (RPM)

The number of times a tool rotates 360° in one minute.

$$\text{RPM} = \frac{\text{SFPM} \times 3.82}{\text{DIA}}$$

Meters Per Minute (M/MIN)

The linear distance, in meters, that the cutting edge of the tool travels in one minute.

$$\text{M/M} = \text{RPM} \times .003 \times \text{DIA}$$

Convert Millimeters to Inches

$$\text{INCHES} = \frac{\text{MM}}{25.4}$$

Convert Inches to Millimeters

$$\text{MM} = \text{INCHES} \times 25.4$$

Convert Meters Per Minute to Surface Feet Per Minute

$$\text{SFPM} = \text{M/M} \times 3.3$$

Convert Surface Feet Per Minute to Meters Per Minute

$$\text{MM} = \frac{\text{SFPM}}{3.3}$$

Depth Of Cut (DOC)

The amount of material removed, in thickness, by one pass of the cutting tool.

Metal Removal Rate ("Q" or IN³/MIN).

The amount of cubic inches of material removed in one minute.

$$\text{Q} = \text{DOC} \times \text{WOC} \times \text{IPM}$$

Nexus Products by Part Number (1500300 - 3254411)

Part No.	Description
1500300	APKT160424ER-LT30-Insert
1501567	APLX100340PDTR-LT30-Insert
1506065	ADKT1505PDTR-LT30-Insert
1506073	APKT1604 PDTR-LT30-Insert
1506077	APKT1705PETR-LT30-Insert
1506082	APLX1003PDTR-LT30-Insert
1506085	APLX100308PDTR-LT 30-Insert
1506501	APGT1003PDER-ALU-LT05-Insert
1506505	APGT1604PDER-ALU-LT05-Insert
1631234	IEM90-.500-.500-4.00-1-10 (1/2")
1632234	IEM90-.500-.500C-4.00-1-10 (1/2"-CT-H13)
1632345	PLIM.500-.500-4.00-1-10 (1/2")
1633345	PLIM.500-.500C-4.00-1-10 (1/2"-CT-H13)
1641235	IEM90-.625-.625-5.00-2-10 (5/8")
1642235	IEM90-.625-.625C-5.00-2-10 (5/8"-CT-H13)
1651236	IEM90-.750-.750-5.00-2-10 (3/4")
1652236	IEM90-.750-.750C-5.00-2-10 (3/4"-CT-H13)
1654345	PLIM.750-.750-5.00-2-10 (3/4")
1655345	PLIM.750-.750C-5.00-2-10 (3/4"-CT-H13))
1658810	HFEM-0.75-0.75-WP05-02 (3/4"-CT)
1661237	IEM90-1.00-1.00-6.00-3-10 (1")
1662237	IEM90-1.00-1.00C-6.00-3-10 (1"-CT-H13)
1665345	PLIM1.00-1.00-6.00-3-10 (1")
1666345	PLIM1.00-1.00C-6.00-3-10 (1"-CT-H13))
1668820	HFEM-1.00-1.00-5.50-SD09-02 (1"-CT)
1668822	HFEM-1.00-1.00-7.00-SD09-02 (1"-CT)
1671238	IEM90-1.25-1.25-6.00-3-16 (1-1/4")
1672238	IEM90-1.25-1.25C-6.00-3-16 (1-1/4"-CT-H13)
1678830	HFEM-1.25-1.25-8.00-SD09-03 (1-1/4"-CT)
1678840	HFEM-1.25-1.25-8.00-SD12-02 (1-1/4"-CT)
1682239	IEM90-1.50-1.25C-6.00-4-16 (1-1/2"-CT-H13)
1686239	IEM90-1.50-1.25-6.00-4-16 (1-1/2")
1688850	HFEM-1.50-1.50-8.00-SD12-03 (1-1/2"-CT)
1741234	4WD.625-.750C-2.50-3 (5/8"-D-RH)
1751244	4WD.750-.750C-3.00-3 (3/4"-D-RH)
1751254	4WD.875-1.00C-3.50-4 (7/8"-D-RH)
1751394	4WD2.25-1.50C-9.00-8 (2-1/4"-D-RH)
1761264	4WD1.00-1.00C-4.00-4 (1"-D-RH)
1771284	4WD1.25-1.25C-5.00-6 (1-1/4"-D-RH)
1771294	4WD1.375-1.25C-5.50-6 (1-3/8"-D-RH)
1781334	4WD1.50-1.25C-6.00-6 (1-1/2"-D-RH)
1781354	4WD1.75-1.50C-7.00-6 (1-3/4"-D-RH)

Part No.	Description
1781374	4WD2.00-1.50C-8.00-8 (2"-D-RH)
2139910	PN11-3.00-1.00-08 (3"-FM)
2149920	PN11-4.00-1.25-10 (4"-FM)
2159930	PN11-5.00-1.50-12 (5"-FM)
2169940	PN11-6.00-1.50-14 (6"-FM)
2321234	SFM90-2.00C-.750-4-16 (2"-CT)
2331235	SFM90-3.00C-1.25-6-16 (3"-CT)
2341236	SFM90-4.00C-1.25-7-16 (4"-CT)
2351237	SFM90-5.00C-1.50-8-16 5"-CT)
2421234	SFM45-2.00C-.750-4-13 (2"-CT)
2431235	SFM45-3.00C-1.25-6-13 (3"-CT)
2441236	SFM45-4.00C-1.25-7-13 (4"-CT)
2451237	SFM45-5.00C-1.50-8-13 (5"-CT)
2502115	SNKX09T3HF-LT30-Insert
2506169	SEKT12T3AGTN-LT30-Insert
2506509	SEGT1204AFEN-ALU-LT05-Insert
2521234	FM45-2.00C-.750-4-13 (2"-CT)
2531235	FM45-3.00C-1.25-6-13 (3"-CT)
2541236	FM45-4.00C-1.25-7-13 (4"-CT)
2551237	FM45-5.00C-1.50-8-13 (5"-CT)
2621234	FM90-2.00C-.750-4-16 (2"-CT)
2631235	FM90-3.00C-1.25-6-16 (3"-CT)
2641236	FM90-4.00C-1.25-7-16 (4"-CT)
2651237	FM90-5.00C-1.50-8-16 (5"-CT)
2928860	HFM-2.00-0.75-SD09-04 (2"-CT)
2928865	HFM-2.50-0.75-SD09-05 (2-1/2"-CT)
2938870	HFM-3.00-1.25-SD12-05 (3"-CT)
3151236	APEX100304PDRF-F01-Insert-5005-HP
3151239	APEX1604PDRF-F01-Insert-GH05-HP
3153311	AOMT123608PETR-LT30-Insert
3153321	APMT1135PDTR-LT30-Insert
3153325	APMT160408PDTR-LT30-Insert
3154411	APKT1003PDTR-LT30-Insert
3154422	APKT 100304 PDTR LT30-Insert
3154433	APKT 100312 PDTR LT30-Insert
3154444	APKT 100332 PDTR LT30-Insert
3154455	APKT 100340 PDTR LT30-Insert
3251239	SEET13T3-LH-Insert-WSK10-HP
3253310	SDMT09T312-DM-Insert-202 (HF)
3253320	SDMT120412-DM-Insert-202 (HF)
3254411	SDKT1204AETN-LT30-Insert

Nexus Products by Part Number (3254415 - 3862221)

Part No.	Description
3254415	SEKN1203AFTN-LT30-Insert
3254431	SEKR1203AFTN-LT30-Insert
3254435	SEKT1204AFTN-LT30-Insert
3263311	SNMG432NN-LT10-Insert
3263322	SNMG433NN-LT10-Insert
3355525	RCMT1204M0-LT10-Insert
3355531	RDMT0803M0-LT30-Insert
3355541	RDMT1204M0-LT30-Insert
3441111	WCMX030208-Drill Insert
3441121	WCMX040208NN-LT30-Drill Insert
3441125	WCMX050308NN-LT30-Drill Insert
3441131	WCMX06T308NN-LT30-Drill Insert
3441135	WCMX080412NN-LT30-Drill Insert
3451112	WPGT050315ZSR-Insert-351-HF
3463311	WNMG331NN-LT10-Insert
3463315	WNMG332NN-LT10-Insert
3463321	WNMG432NN-LT1000 Magia Insert
3533010	TCMT1.2(1).5PF4-Insert-5615
3533020	TCMT1.2(1)1PF4-Insert-5625
3533030	TCMT1.8(1.5)1PF4-Insert-5625
3533070	TCMT32.51PF4-Insert-5625
3533080	TCMT32.52PF4-Insert-5625
3533090	TCMT32.52PM4-Insert-5625
3563336	TCGX21.51-LH-Insert-101-HP
3563337	TCGX32.52-LH-Insert-101-HP
3564431	TCMT21.51NN-LT10-Insert
3564435	TCMT21.52NN-LT10-Insert
3564438	TCMT32.51NN-LT10-Insert
3564441	TCMT32.52NN-LT10-Insert
3567711	TNGG331-ALU-LT05-Insert
3567721	TNMG332NN-LT10-Insert
3567735	TNMP332NN-LT10-Insert
3567741	TPKN32PDTR-LT30-Insert
3567745	TPKN43PDTR-LT30-Insert
3567751	TPKR323PDTR-LT30-Insert
3567755	TPKR43PDTR-LT30-Insert
3567761	TPUN322-LT30-Insert
3568831	TCMT21.51NN-LT1000-Insert
3568841	TCMT21.52NN-LT1000-Insert
3568851	TCMT32.51NN-LT1000-Insert

Part No.	Description
3568861	TCMT32.52NN-LT1000-Insert
3577715	TNMG331NN-LT10-Insert
3578011	TNMG331NN-LT1000-Insert
3578016	TNMG332NN-LT1000-Insert
3578021	TNMG333NN-LT1000-Insert
3578026	TNMP332NN-LT1000-Insert
3631040	CCMT32.51-PF4-Insert-5625
3631050	CCMT32.52-PF4-Insert-5625
3631060	CCMT32.52-PM5-Insert-5625
3631070	CCMT431-PM5-Insert-5625
3631080	CCMT432-PM5-Insert-5625
3631090	CNMG431F4-Insert-5625
3631093	CNMG432F4-Insert-5625
3631095	CNMG432M5-Insert-5625
3663336	CCGX21.51-LH-Insert-101-HP
3663337	CCGX32.51-LH-Insert-101-HP
3663338	CCGX32.52-LH-Insert-101-HP
3663339	CCGX432-LH-Insert-101-HP
3664411	CCMT21.51NN-LT10-Insert
3664413	CCMT32.51NN-LT10-Insert
3664416	CCMT32.52NN-LT10-Insert
3664419	CCMT32.52WM-LT 10-Insert
3665525	CNMP433NN-LT10-Insert
3668011	CCMT21.51NN-LT1000-Insert
3668021	CCMT32.51NN-LT1000-Insert
3668026	CCMT32.52NN-LT1000-Insert
3732010	DCMT32.51PF4-Insert-5625
3732020	DCMT32.52PF4-Insert-5625
3732030	DCMT32.51PM4-Insert-5625
3732040	DCMT432PM4-Insert-5615
3763336	DCGX21.51-LH-Insert-101-HP
3763337	DCGX32.52-LH-Insert-101-HP
3764421	DCMT21.51NN-LT10-Insert
3764424	DCMT32.51NN-LT10-Insert
3764427	DCMT32.52NN-LT10-Insert
3768811	DCMT21.51NN-LT1000-Insert
3768821	DCMT32.51NN-LT1000-Insert
3768826	DCMT32.52NN-LT1000-Insert
3862215	VBMT22NN-LT10-Insert
3862221	VBMT331NN-LT10-Insert

Nexus Products by Part Number (3862225 - 8177766)

Part No.	Description
3862225	VBMT332NN-LT10-Insert
3934020	EPGT 1.2(1).5L-W08-Insert-NS530
3934030	EPMT 1.5(3).5-PM5-Insert-5625
3954411	ODMT060508TN-LT30-Insert
3954415	ODMW060508TN-LT30-Insert
3954421	OFER070405TN-LT30-Insert
3954431	OFMT05T305TN-LT30-Insert
3954435	OFMT070405TN-LT30-Insert
3959999	PNEG110512R-CM-Insert-152
4600076	WNMG432WM-LT10-Insert
4601437	WNMG432NR-LT10-Insert
4607257	WNMG431NN-LT10-Insert
4607261	WNMG432NN-LT10-Insert
4607265	WNMG433NN-LT10-Insert
4607277	WNMP432NN-LT10-Insert
4608011	WNMG431NN-LT1000-Insert
4608016	WNMG432NN-LT1000-Insert
4608021	WNMG432NX-LT1000-Insert
4608026	WNMG433NN-LT1000-Insert
4608031	WNMP432NN-LT1000-Insert
6600060	CNMG432WM-LT10-Insert
6601436	CNMG432NR-LT10-Insert
6602117	HFEM-1.00-1.00CW-8.00-2SN9 (1"-CT-W)
6602118	HFEM-1.00-1.00CW-5.00-3SN9 (1"-CT-W)
6607029	CNMG431NN-LT10-Insert
6607033	CNMG432NN-LT10-Insert
6607037	CNMG433NN-LT10-Insert
6607041	CNMG432WM-LT10-Insert
6607045	CNMP432NN-LT10-Insert
6607901	CNGG431-ALU-LT05-Insert
6607905	CNGG432-ALU-LT05-Insert
6608011	CNMG431NN-LT1000-Insert
6608016	CNMG432NN-LT1000-Insert
6608021	CNMG433NN-LT1000-Insert
6608026	CNMG432NX-LT1000-Insert
6608031	CNMP432NN-LT1000-Insert
6608036	CNMP433NN-LT1000-Insert
6612117	PLHF-1.00-1.00C-8.00-2SN9 (1"-CT)
6612118	PLHF-1.00-1.00C-5.00-3SN9 (1"-CT)
6702119	HFEM-1.25-1.25CW-5.00-4SN9 (1-1/4"-CT-W)

Part No.	Description
6702120	HFEM-1.25-1.25CW-8.00-3SN9 (1-1/4"-CT-W)
6712119	PLHF-1.25-1.25C-5.00-4SN9 (1-1/4"-CT)
6712120	PLHF-1.25-1.25C-8.00-3SN9 (1-1/4"-CT)
7607061	DNMG331NN-LT10-Insert
7607065	DNMG332NN-LT10-Insert
7607069	DNMG431NN-LT10-Insert
7607073	DNMG432NN-LT10-Insert
7607077	DNMG433NN-LT10-Insert
7607909	DNGG331-ALU-LT05-Insert
7607913	DNGG332-ALU-LT05-Insert
7608011	DNMG331NN-LT1000-Insert
7608016	DNMG332NN-LT1000-Insert
7608021	DNMG431NN-LT1000-Insert
7608026	DNMG432NN-LT1000-Insert
7608031	DNMG433NN-LT1000-Insert
8148871	A16T-PWLN-4 (1"-S-BB-CT-RH)
8148872	A20T-PWLN-4 (1-1/4"-S-BB-CT-RH)
8157711	A08K-STFCR-2 (1/2"-S-BB-CT-RH)
8157722	A10M-STFCR-2 (5/8"-S-BB-CT-RH)
8157733	A12Q-STFCR-2 (3/4"-S-BB-CT-RH)
8167711	A06H-SCLCR-2 (3/8"-S-BB-CT-RH)
8167722	A06H-SCLCL-2 (3/8"-S-BB-CT-LH)
8167733	A08K-SCLCR-2 (1/2"-S-BB-CT-RH)
8167744	A08K-SCLCL-2 (1/2"-S-BB-CT-LH)
8167755	A10M-SCLCR-3 (5/8"-S-BB-CT-RH)
8167766	A10M-SCLCL-3 (5/8"-S-BB-CT-LH)
8167777	A12Q-SCLCR-3 (3/4"-S-BB-CT-RH)
8167788	A12Q-SCLCL-3 (3/4"-S-BB-CT-LH)
8168811	A16T-PCLNR-4 (1"-S-BB-CT-RH)
8168812	A20T-PCLNR-4 (1-1/4"-S-BB-CT-RH)
8168813	A24U-PCLNR-4 (1-1/2"-S-BB-CT-RH)
8168821	A16T-PCLNL-4 (1"-S-BB-CT-LH)
8168822	A20T-PCLNL-4 (1-1/4"-S-BB-CT-LH)
8168823	A24U-PCLNL-4 (1-1/2"-S-BB-CT-LH)
8177711	A06H-SDUCR-2 (3/8"-S-BB-CT-RH)
8177722	A06H-SDUCL-2 (3/8"-S-BB-CT-LH)
8177733	A08K-SDUCR-2 (1/2"-S-BB-CT-RH)
8177744	A08K-SDUCL-2 (1/2"-S-BB-CT-LH)
8177755	A10M-SDUCR-2 (5/8"-S-BB-CT-RH)
8177766	A10M-SDUCL-2 (5/8"-S-BB-CT-LH)

Nexus Products by Part Number (8177777 - 9484123)

Part No.	Description
8177777	A12Q-SDUCR-3 (3/4"-S-BB-CT-RH)
8177788	A12Q-SDUCL-3 (3/4"-S-BB-CT-LH)
8178831	A16T-PDUNR-3 (1"-S-BB-CT-RH)
8178832	A20T-PDUNR-4 (1-1/4"-S-BB-CT-RH)
8178833	A24U-PDUNR-4 (1-1/2"-S-BB-CT-RH)
8178841	A16T-PDUNL-3 (1"-S-BB-CT-LH)
8178842	A20T-PDUNL-4 (1-1/4"-S-BB-CT-LH)
8178843	A24U-PDUNL-4 (1-1/2"-S-BB-CT-LH)
8188851	A16T-PVUNR-3 (1"-S-BB-CT-RH)
8188852	A20T-PVUNR-3 (1-1/4"-S-BB-CT-RH)
8188861	A16T-PVUNL-3 (1"-S-BB-CT-LH)
8188862	A20T-PVUNL-3 (1-1/4"-S-BB-CT-LH)
8188873	A24U-PWLNR-4 (1-1/2"-S-BB-CT-RH)
8188881	A16T-PWLNL-4 (1"-S-BB-CT-LH)
8188882	A20T-PWLNL-4 (1-1/4"-S-BB-CT-LH)
8188883	A24U-PWLNL-4 (1-1/2"-S-BB-CT-LH)
8607241	VNMG331NN-LT10-Insert
8607245	VNMG332NN-LT10-Insert
8607921	VNGG331-ALU-LT05-Insert
8607925	VNGG332-ALU-LT05-Insert
8608011	VNMG331NN-LT1000-Insert
8608016	VNMG332NN-LT1000-Insert
8608831	VCMT331NN-LT1000-Insert
8608836	VCMT332NN-LT1000-Insert
8649941	MWLNR-16-4D (1' square-TT-RH)
8649942	MWLNL-16-4D (1" square-TT-LH)
8655512	STGCR-08-2J (1/2"-TT-RH)
8655523	STGCL-08-2J (1/2"-TT-LH)
8655534	STGCR-12-3C (3/4"-CT-RH)
8655545	STGCL-12-3C (3/4"-TT-LH)

Part No.	Description
8665511	SCLCR-08-3J (1/2"-TT-RH)
8665522	SCLCL-08-3J (1/2"-TT-LH)
8665533	SCLCR-12-4C (3/4"-TT-RH)
8665544	SCLCL-12-4C (3/4"-TT-LH)
8669911	MCLNR-16-4D (1" square-TT-RH)
8669912	MCLNL-16-4D (1" square-TT-LH)
8675555	SDJCR-08-2J (1/2"-TT-RH)
8675566	SDJCL-08-2J (1/2"-TT-LH)
8675577	SDJCR-12-3C (3/4"-TT-RH)
8675588	SDJCL-12-3C (3/4"-TT-LH)
8679921	MDJNR-16-4D (1" square-TT-RH)
8679922	MDJNL-16-4D (1" square-TT-LH)
8689931	MVJNR-16-3D (1" square-TT-RH)
8689932	MVJNL-16-3D (1" square-TT-LH)
9202123	HF-2.00-.750C-4SN9 (2"-CT)
9212124	HF-2.50-.750C-4SN9 (2-1/2"-CT)
9223123	SHF-2.00-.750C-4SN9 (2"-CT)
9233124	SHF-2.50-.750C-4SN9 (2-1/2"-CT)
9353123	HF-3.00-1.00C-6SN9 (3"-CT)
9363123	SHF-3.00-1.00C-6SN9 (3"-CT)
9396762	PLSS1.00xM20 (1"-CT-ER40)
9396763	PLSS.750xM20 (3/4"-CT-ER40)
9396764	PLSS.500xM20 (1/2"-CT-ER40)
9396766	PLSS1.25xM24 (1-1/4"-CT-ER50)
9397764	PLSS.750xM16 (3/4"-CT-ER32)
9398765	PLSS.500xM16 (1/2"-CT-ER32)
9474123	HF-4.00-1.25C-7SN9 (4"-CT)
9484123	SHF-4.00-1.25C-7SN9 (4"-CT)

Nexus Products by Descriptions (4WD__ - CCM__)

Description	Part No.
4WD.625-.750C-2.50-3 (5/8"-D-RH)	1741234
4WD.750-.750C-3.00-3 (3/4"-D-RH)	1751244
4WD.875-1.00C-3.50-4 (7/8"-D-RH)	1751254
4WD1.00-1.00C-4.00-4 (1"-D-RH)	1761264
4WD1.25-1.25C-5.00-6 (1-1/4"-D-RH)	1771284
4WD1.375-1.25C-5.50-6 (1-3/8"-D-RH)	1771294
4WD1.50-1.25C-6.00-6 (1-1/2"-D-RH)	1781334
4WD1.75-1.50C-7.00-6 (1-3/4"-D-RH)	1781354
4WD2.00-1.50C-8.00-8 (2"-D-RH)	1781374
4WD2.25-1.50C-9.00-8 (2-1/4"-D-RH)	1751394
A06H-SCLCL-2 (3/8"-S-BB-CT-LH)	8167722
A06H-SCLCR-2 (3/8"-S-BB-CT-RH)	8167711
A06H-SDUCL-2 (3/8"-S-BB-CT-LH)	8177722
A06H-SDUCR-2 (3/8"-S-BB-CT-RH)	8177711
A08K-SCLCL-2 (1/2"-S-BB-CT-LH)	8167744
A08K-SCLCR-2 (1/2"-S-BB-CT-RH)	8167733
A08K-SDUCL-2 (1/2"-S-BB-CT-LH)	8177744
A08K-SDUCR-2 (1/2"-S-BB-CT-RH)	8177733
A08K-STFCR-2 (1/2"-S-BB-CT-RH)	8157711
A10M-SCLCL-3 (5/8"-S-BB-CT-LH)	8167766
A10M-SCLCR-3 (5/8"-S-BB-CT-RH)	8167755
A10M-SDUCL-2 (5/8"-S-BB-CT-LH)	8177766
A10M-SDUCR-2 (5/8"-S-BB-CT-RH)	8177755
A10M-STFCR-2 (5/8"-S-BB-CT-RH)	8157722
A12Q-SCLCL-3 (3/4"-S-BB-CT-LH)	8167788
A12Q-SCLCR-3 (3/4"-S-BB-CT-RH)	8167777
A12Q-SDUCL-3 (3/4"-S-BB-CT-LH)	8177788
A12Q-SDUCR-3 (3/4"-S-BB-CT-RH)	8177777
A12Q-STFCR-2 (3/4"-S-BB-CT-RH)	8157733
A16T-PCLNL-4 (1"-S-BB-CT-LH)	8168821
A16T-PCLNR-4 (1"-S-BB-CT-RH)	8168811
A16T-PDUNL-3 (1"-S-BB-CT-LH)	8178841
A16T-PDUNR-3 (1"-S-BB-CT-RH)	8178831
A16T-PVUNL-3 (1"-S-BB-CT-LH)	8188861
A16T-PVUNR-3 (1"-S-BB-CT-RH)	8188851
A16T-PWLNL-4 (1"-S-BB-CT-LH)	8188881
A16T-PWLN-4 (1"-S-BB-CT-RH)	8148871
A20T-PCLNL-4 (1-1/4"-S-BB-CT-LH)	8168822
A20T-PCLNR-4 (1-1/4"-S-BB-CT-RH)	8168812
A20T-PDUNL-4 (1-1/4"-S-BB-CT-LH)	8178842

Description	Part No.
A20T-PDUNR-4 (1-1/4"-S-BB-CT-RH)	8178832
A20T-PVUNL-3 (1-1/4"-S-BB-CT-LH)	8188862
A20T-PVUNR-3 (1-1/4"-S-BB-CT-RH)	8188852
A20T-PWLNL-4 (1-1/4"-S-BB-CT-LH)	8188882
A20T-PWLN-4 (1-1/4"-S-BB-CT-RH)	8148872
A24U-PCLNL-4 (1-1/2"-S-BB-CT-LH)	8168823
A24U-PCLNR-4 (1-1/2"-S-BB-CT-RH)	8168813
A24U-PDUNL-4 (1-1/2"-S-BB-CT-LH)	8178843
A24U-PDUNR-4 (1-1/2"-S-BB-CT-RH)	8178833
A24U-PWLNL-4 (1-1/2"-S-BB-CT-LH)	8188883
A24U-PWLN-4 (1-1/2"-S-BB-CT-RH)	8188873
ADKT1505PDTR-LT30-Insert	1506065
AOMT123608PETR-LT30-Insert	3153311
APEX100304PDFR-F01-Insert-5005-HP	3151236
APEX1604PDFR-F01-Insert-GH05-HP	3151239
APGT1003PDER-ALU-LT05-Insert	1506501
APGT1604PDER-ALU-LT05-Insert	1506505
APKT 100304 PDTR LT30-Insert	3154422
APKT 100312 PDTR LT30-Insert	3154433
APKT 100332 PDTR LT30-Insert	3154444
APKT 100340 PDTR LT30-Insert	3154455
APKT1604 PDTR-LT30-Insert	1506073
APKT160424ER-LT30-Insert	1500300
APKT1705PETR-LT30-Insert	1506077
APLX100308PDTR-LT 30-Insert	1506085
APLX100340PDTR-LT30-Insert	1501567
APLX1003PDTR-LT30-Insert	1506082
APMT1135PDTR-LT30-Insert	3153321
APMT160408PDTR-LT30-Insert	3153325
CCGX21.51-LH-Insert-101-HP	3663336
CCGX32.51-LH-Insert-101-HP	3663337
CCGX32.52-LH-Insert-101-HP	3663338
CCGX432-LH-Insert-101-HP	3663339
CCMT21.51NN-LT1000-Insert	3668011
CCMT21.51NN-LT10-Insert	3664411
CCMT32.51NN-LT1000-Insert	3668021
CCMT32.51NN-LT10-Insert	3664413
CCMT32.52NN-LT1000-Insert	3668026
CCMT32.52NN-LT10-Insert	3664416
CCMT32.52WM-LT 10-Insert	3664419

Nexus Products by Descriptions (CCM __ - MCL __)

Description	Part No.
CCMT431NN-LT10-Insert	3664421
CCMT432NN-LT10-Insert	3664425
CNGG431-ALU-LT05-Insert	6607901
CNGG432-ALU-LT05-Insert	6607905
CNMG431NN-LT1000-Insert	6608011
CNMG431NN-LT10-Insert	6607029
CNMG432NN-LT1000-Insert	6608016
CNMG432NN-LT10-Insert	6607033
CNMG432NR-LT10-Insert	6601436
CNMG432NX-LT1000-Insert	6608026
CNMG432WM-LT10-Insert	6600060
CNMG432WM-LT10-Insert	6607041
CNMG433NN-LT1000-Insert	6608021
CNMG433NN-LT10-Insert	6607037
CNMP432NN-LT1000-Insert	6608031
CNMP432NN-LT10-Insert	6607045
CNMP433NN-LT1000-Insert	6608036
CNMP433NN-LT10-Insert	3665525
DCGX21.51-LH-Insert-101-HP	3763336
DCGX32.52-LH-Insert-101-HP	3763337
DCMT21.51NN-LT1000-Insert	3768811
DCMT21.51NN-LT10-Insert	3764421
DCMT32.51NN-LT1000-Insert	3768821
DCMT32.51NN-LT10-Insert	3764424
DCMT32.52NN-LT1000-Insert	3768826
DCMT32.52NN-LT10-Insert	3764427
DCMT432PM4-Insert-5615	3732040
DNGG331-ALU-LT05-Insert	7607909
DNGG332-ALU-LT05-Insert	7607913
DNMG331NN-LT1000-Insert	7608011
DNMG331NN-LT10-Insert	7607061
DNMG332NN-LT1000-Insert	7608016
DNMG332NN-LT10-Insert	7607065
DNMG431NN-LT1000-Insert	7608021
DNMG431NN-LT10-Insert	7607069
DNMG432NN-LT1000-Insert	7608026
DNMG432NN-LT10-Insert	7607073
DNMG433NN-LT1000-Insert	7608031
DNMG433NN-LT10-Insert	7607077
EPGT 1.2(1).5L-W08-Insert-NS530	3934020

Description	Part No.
EPMT 1.5(3).5-PM5-Insert-5625	3934030
FM45-2.00C-.750-4-13 (2"-CT)	2521234
FM45-3.00C-1.25-6-13 (3"-CT)	2531235
FM45-4.00C-1.25-7-13 (4"-CT)	2541236
FM45-5.00C-1.50-8-13 (5"-CT)	2551237
FM90-2.00C-.750-4-16 (2"-CT)	2621234
FM90-3.00C-1.25-6-16 (3"-CT)	2631235
FM90-4.00C-1.25-7-16 (4"-CT)	2641236
FM90-5.00C-1.50-8-16 (5"-CT)	2651237
HF-2.00-.750C-4SN9 (2"-CT)	9202123
HF-2.50-.750C-4SN9 (2-1/2"-CT)	9212124
HF-3.00-1.00C-6SN9 (3"-CT)	9353123
HF-4.00-1.25C-7SN9 (4"-CT)	9474123
HFEM-0.75-0.75-WP05-02 (3/4"-CT)	1658810
HFEM-1.00-1.00-5.50-SD09-02 (1"-CT)	1668820
HFEM-1.00-1.00-7.00-SD09-02 (1"-CT)	1668822
HFEM-1.00-1.00CW-5.00-3SN9 (1"-CT-W)	6602118
HFEM-1.00-1.00CW-8.00-2SN9 (1"-CT-W)	6602117
HFEM-1.25-1.25-8.00-SD09-03 (1-1/4"-CT)	1678830
HFEM-1.25-1.25-8.00-SD12-02 (1-1/4"-CT)	1678840
HFEM-1.25-1.25CW-5.00-4SN9 (1-1/4"-CT-W)	6702119
HFEM-1.25-1.25CW-8.00-3SN9 (1-1/4"-CT-W)	6702120
HFEM-1.50-1.50-8.00-SD12-03 (1-1/2"-CT)	1688850
HFM-2.00-0.75-SD09-04 (2"-CT)	2928860
HFM-2.50-0.75-SD09-05 (2-1/2"-CT)	2928865
HFM-3.00-1.25-SD12-05 (3"-CT)	2938870
IEM90-.500-.500-4.00-1-10 (1/2")	1631234
IEM90-.500-.500C-4.00-1-10 (1/2"-CT-H13)	1632234
IEM90-.625-.625-5.00-2-10 (5/8")	1641235
IEM90-.625-.625C-5.00-2-10 (5/8"-CT-H13)	1642235
IEM90-.750-.750-5.00-2-10 (3/4")	1651236
IEM90-.750-.750C-5.00-2-10 (3/4"-CT-H13)	1652236
IEM90-1.00-1.00-6.00-3-10 (1")	1661237
IEM90-1.00-1.00C-6.00-3-10 (1"-CT-H13)	1662237
IEM90-1.25-1.25-6.00-3-16 (1-1/4")	1671238
IEM90-1.25-1.25C-6.00-3-16 (1-1/4"-CT-H13)	1672238
IEM90-1.50-1.25-6.00-4-16 (1-1/2")	1686239
IEM90-1.50-1.25C-6.00-4-16 (1-1/2"-CT-H13)	1682239
MCLNL-16-4D (1" square-TT-LH)	8669912

Nexus Products by Descriptions (MCL __ - TCM __)

Description	Part No.
MCLNR-16-4D (1" square-TT-RH)	8669911
MDJNL-16-4D (1" square-TT-LH)	8679922
MDJNR-16-4D (1" square-TT-RH)	8679921
MVJNL-16-3D (1" square-TT-LH)	8689932
MVJNR-16-3D (1" square-TT-RH)	8689931
MWLNL-16-4D (1" square-TT-LH)	8649942
MWLNLR-16-4D (1" square-TT-RH)	8649941
ODMT060508TN-LT30-Insert	3954411
ODMW060508TN-LT30-Insert	3954415
OFER070405TN-LT30-Insert	3954421
OFMT05T305TN-LT30-Insert	3954431
OFMT070405TN-LT30-Insert	3954435
PLHF-1.00-1.00C-5.00-3SN9 (1"-CT)	6612118
PLHF-1.00-1.00C-8.00-2SN9 (1"-CT)	6612117
PLHF-1.25-1.25C-5.00-4SN9 (1-1/4"-CT)	6712119
PLHF-1.25-1.25C-8.00-3SN9 (1-1/4"-CT)	6712120
PLIM.500-.500C-4.00-1-10 (1/2")	1632345
PLIM.500-.500C-4.00-1-10 (1/2"-CT-H13)	1633345
PLIM.750-.750C-5.00-2-10 (3/4")	1654345
PLIM.750-.750C-5.00-2-10 (3/4"-CT-H13))	1655345
PLIM1.00-1.00-6.00-3-10 (1")	1665345
PLIM1.00-1.00C-6.00-3-10 (1"-CT-H13))	1666345
PLSS.500xM16 (1/2"-CT-ER32)	9398765
PLSS.500xM20 (1/2"-CT-ER40)	9396764
PLSS.750xM16 (3/4"-CT-ER32)	9397764
PLSS.750xM20 (3/4"-CT-ER40)	9396763
PLSS1.00xM20 (1"-CT-ER40)	9396762
PLSS1.25xM24 (1-1/4"-CT-ER50)	9396766
PN11-3.00-1.00-08 (3"-FM)	2139910
PN11-4.00-1.25-10 (4"-FM)	2149920
PN11-5.00-1.50-12 (5"-FM)	2159930
PN11-6.00-1.50-14 (6"-FM)	2169940
PNEG110512R-CM-Insert-152	3959999
RCMT1204M0-LT10-Insert	3355525
RDMT0803M0-LT30-Insert	3355531
RDMT1204M0-LT30-Insert	3355541
SCLCL-08-3J (1/2"-TT-LH)	8665522
SCLCL-12-4C (3/4"-TT-LH)	8665544
SCLCR-08-3J (1/2"-TT-RH)	8665511
SCLCR-12-4C (3/4"-TT-RH)	8665533

Description	Part No.
SDJCL-08-2J (1/2"-TT-LH)	8675566
SDJCL-12-3C (3/4"-TT-LH)	8675588
SDJCR-08-2J (1/2"-TT-RH)	8675555
SDJCR-12-3C (3/4"-TT-RH)	8675577
SDKT1204AETN-LT30-Insert	3254411
SDMT09T312-DM-Insert-202-HF	3253310
SDMT120412-DM-Insert-202-HF	3253320
SEET13T3-LH-Insert-WSK10-HP	3251239
SEGT1204AFEN-ALU-LT05-Insert	2506509
SEKN1203AFTN-LT30-Insert	3254415
SEKR1203AFTN-LT30-Insert	3254431
SEKT1204AFTN-LT30-Insert	3254435
SEKT12T3AGTN-LT30-Insert	2506169
SFM45-2.00C-.750-4-13 (2"-CT)	2421234
SFM45-3.00C-1.25-6-13 (3"-CT)	2431235
SFM45-4.00C-1.25-7-13 (4"-CT)	2441236
SFM45-5.00C-1.50-8-13 (5"-CT)	2451237
SFM90-2.00C-.750-4-16 (2"-CT)	2321234
SFM90-3.00C-1.25-6-16 (3"-CT)	2331235
SFM90-4.00C-1.25-7-16 (4"-CT)	2341236
SFM90-5.00C-1.50-8-16 5"-CT)	2351237
SHF-2.00-.750C-4SN9 (2"-CT)	9223123
SHF-2.50-.750C-4SN9 (2-1/2"-CT)	9233124
SHF-3.00-1.00C-6SN9 (3"-CT)	9363123
SHF-4.00-1.25C-7SN9 (4"-CT)	9484123
SNKX09T3HF-LT30-Insert	2502115
SNMG432NN-LT10-Insert	3263311
SNMG433NN-LT10-Insert	3263322
STGCL-08-2J (1/2"-TT-LH)	8655523
STGCL-12-3C (3/4"-TT-LH)	8655545
STGCR-08-2J (1/2"-TT-RH)	8655512
STGCR-12-3C (3/4"-CT-RH)	8655534
TCGX21.51-LH-Insert-101-HP	3563336
TCGX32.52-LH-Insert-101-HP	3563337
TCMT1.2(1).5PF4-Insert-5615	3533010
TCMT1.2(1)1PF4-Insert-5625	3533020
TCMT1.8(1.5)1PF4-Insert-5625	3533030
TCMT21.51NN-LT1000-Insert	3568831
TCMT21.51NN-LT10-Insert	3564431
TCMT21.52NN-LT1000-Insert	3568841

Nexus Products by Descriptions (TCM __ - WPG)

Description	Part No.
TCMT21.52NN-LT10-Insert	3564435
TCMT32.51NN-LT1000-Insert	3568851
TCMT32.51NN-LT10-Insert	3564438
TCMT32.52NN-LT1000-Insert	3568861
TCMT32.52NN-LT10-Insert	3564441
TNGG331-ALU-LT05-Insert	3567711
TNMG331NN-LT1000-Insert	3578011
TNMG331NN-LT10-Insert	3577715
TNMG332NN-LT1000-Insert	3578016
TNMG332NN-LT10-Insert	3567721
TNMG333NN-LT1000-Insert	3578021
TNMP332NN-LT1000-Insert	3578026
TNMP332NN-LT10-Insert	3567735
TPKN32PDTR-LT30-Insert	3567741
TPKN43PDTR-LT30-Insert	3567745
TPKR323PDTR-LT30-Insert	3567751
TPKR43PDTR-LT30-Insert	3567755
TPUN322-LT30-Insert	3567761
VBMT22 NN-LT10-Insert	3862215
VBMT331NN-LT10-Insert	3862221
VBMT332NN-LT10-Insert	3862225
VCMT331NN-LT1000-Insert	8608831
VCMT332NN-LT1000-Insert	8608836
VNGG331-ALU-LT05-Insert	8607921

Description	Part No.
VNGG332-ALU-LT05-Insert	8607925
VNMG331NN-LT1000-Insert	8608011
VNMG331NN-LT10-Insert	8607241
VNMG332NN-LT1000-Insert	8608016
VNMG332NN-LT10-Insert	8607245
WCMX030208R53-201-Drill Insert	341111
WCMX040208NN-LT30-Drill Insert	3441121
WCMX050308NN-LT30-Drill Insert	3441125
WCMX06T308NN-LT30-Drill Insert	3441131
WCMX080412NN-LT30-Drill Insert	3441135
WNMG331NN-LT10-Insert	3463311
WNMG332NN-LT10-Insert	3463315
WNMG431NN-LT1000-Insert	4608011
WNMG431NN-LT10-Insert	4607257
WNMG432NN-LT1000-Insert	4608016
WNMG432NN-LT10-Insert	4607261
WNMG432NR-LT10-Insert	4601437
WNMG432NX-LT1000-Insert	4608021
WNMG432WM-LT10-Insert	4600076
WNMG433NN-LT1000-Insert	4608026
WNMG433NN-LT10-Insert	4607265
WNMP432NN-LT1000-Insert	4608031
WNMP432NN-LT10-Insert	4607277
WPGT050315ZSR-Insert-351-HF	3451112

Master Hardware List

Torx Screws

Part No.	Description
6811270	HM6.3-1.0-13.2
9311455	I60M2.5-5.5
9316547	I60M2.5-6.5
9317446	I60M3.5-8.0
9318446	I60M3.5-12
9319345	I60M4-10
9319446	I60M4-11
9318547	I60M4-8.4
9312345	M1.8-4.2-2.5-54
9313345	M2-5.0-2.7-60
9314345	M2.5-5.0-3.7-43
9315345	M2.5-6.0-3.5-60
9315446	M2.5-6.3-3.35-60
9316446	M2.5-6.45-3.7-60
9317345	M3.0-8.0-4.0-43
9318345	M3.5-12.0-5.3-60
9317547	M3.5-8.0-5.3-60
9311311	M4-10-5.0-43
9319345	M4.0-10.0-5.7-60
6811210	TM2.0-4.0
6811215	TM2.0-4.9
6811220	TM2.2-5.6
6811230	TM2.2-6.4
6811235	TM2.5-4.8
6811240	TM2.5-5.8
6811250	TM2.5-6.0
6811255	TM2.5-6.8
6811256	TM3.5-5.0
6811259	TM3.5-8.0
6811262	TM4.0-15.0
6811257	TM4.0-5.5
6811260	TM4.0-8.5
6811266	TM5.0-13.1

Hex Screws

Part No.	Description
9319547	SM5-8.65XA
9319648	SM6-10XA

Torx Wrenches

Part No.	Description
9355111	T6Flag
9355222	T7Flag
9355333	T8Flag
9355321	T9Flag
9355444	T10Flag
9355555	T15Flag
9355666	T20Flag

Hex Wrenches

Part No.	Description
9322111	WH20L
9322116	WH25L
9322121	WH30L
9322126	WH35L

Shims

Part No.	Description
9333252	C12APB
9333111	C12BM
9333222	C12BS
9333333	D11BS
9333353	D15AP
9333444	D15BM
9333555	T16BS
9333666	V16BM
9333777	V16BS
9333757	W08AP
9333888	W08BM

Shim Pin

Part No.	Description
9333999	SP4

Clamps

Part No.	Description
9344111	C1RD
9344222	C2RD
9344333	C3RD

Clamp Screw

Part No.	Description
9344888	DM6-30

Wedges

Part No.	Description
9344454	WD-204
9344444	WD-208

Levers

Part No.	Description
9335111	L3D
9335222	L4
9335333	L4A

Lock Pins

Part No.	Description
9344555	TM5-13
9344666	TM6-17
9344777	TM6-19

Lock Screws

Part No.	Description
9345111	LEM5-12B
9345222	LEM6-13A
9345333	LEM8-21

Boring Screws/Washers

Part No.	Description	Cartridge
6811280	D-68-29	Adjusting
6811290	D-85-29	Adjusting
6811310	D-68-26	Mounting
6811320	D-85-27	Mounting
6811410	D-68-28	Washer

Coupling Screws

Part No.	Description
6811510	TC-22-68
6811520	TC-27-610
6811530	TC-32-810
6811540	TC-42-1014
6811550	TC-54-1220
6811560	TC-68-1624
6811570	TC-85-1630
6811580	TC-100-2035
6811590	TC-M12X40