

Quarterly Sale

Missouri Carbide, Inc.

13965 Lawrence 2143 Mt Vernon, MO 65712
1-800-430-3101 Fax: 1-417-471-1037

3% 10 Days/ Net 30

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Website and Email

www.missouricarbide.com

E-mail: missouricarbide@aol.com



This Issue featuring:

**High Performance
Carbide Inserts,
without the
High Performance
Price**

See inside for technical specifications and our complete line of positive and negative turning inserts!

Deduct
25%
From List Price

High Performance Carbide Inserts

STEEL CUTTING

STAINLESS STEEL

CAST IRON

HIGH TEMP. ALLOYS



CNMG-432-SFF Grade MPM35
Part# 1664121532
List Price \$7.11



CNMG-432-HMF Grade MM25
Part# 1667201532
List Price \$7.11



CNMG-432-SMR Grade MP15
Part# 1662131532
List Price \$7.11



CNMG-432-SFF Grade MPM35
Part# 1664121532
List Price \$7.11



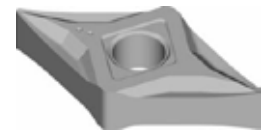
DNMG-331-SMR Grade MP25
Part# 1663132222
List Price \$6.86



DNMG-432-HMF Grade MM25
Part# 1667202232
List Price \$8.73



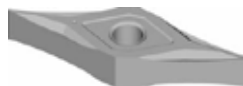
DNMG-332-SMR Grade MP15
Part# 1662132223
List Price \$6.86



DNGP-4305-HLF Grade MMN15
Part# 1665192059
List Price \$15.66



VNMG-331-SLF Grade MP15
Part# 1662103922
List Price \$8.04



VNGP-331-HLF Grade MMN15
Part# 1665193822
List Price \$16.53



VNMG-331-SMR Grade MP15
Part# 1662133922
List Price \$8.04















VNMG-331-SFMF Grade MMN15
Part# 1665183922
List Price \$10.64

800-430-3101 Fax: 417-471-1037 www.missouricarbide.com E-mail: missouricarbide@aol.com

High Performance Carbide Insert Application Information

1 Select the chipbreaker that best fits your application

2 Select the Grade that best fits your application




CHIPBREAKER STYLE		APPLICATION
	SLF	Light finishing chipbreaker used in steel applications
	SFF	Semi-finishing chipbreaker used in steel and stainless steel applications
	SMR	Medium finishing to the light roughing chipbreaker used in steel and cast iron applications
	SRL	Light roughing chipbreaker used in steel and cast iron applications
	SHR	Heavy roughing chipbreaker used in steel and cast iron applications
	HLF	Finishing to semi-finishing chipbreaker for stainless, high temperature alloy, and aluminum applications
	HMF	Medium finishing to light roughing chipbreaker used in stainless steel applications
	SFMF	Semi-finishing to medium roughing chipbreaker used in steel, stainless steel, and non-ferrous applications
	PMF	Medium finishing to the light roughing chipbreaker used in steel applications
	PM	Medium finishing to the light roughing chipbreaker used in steel and cast iron applications
	PSF	Semi-finishing chipbreaker used in steel and stainless steel applications
	SAL	Finishing to semi-finishing chipbreaker for stainless, high temperature alloy, and aluminum applications

GRADE	APPLICATIONS	ISO GRADE CLASS
MK10	Uncoated high wear resistant grade for aluminum applications	N10-N15
MK15	CVD coated high wear resistant grade for Cast Iron applications	K10-15
MKN10	Uncoated high wear resistant grade for Cast Iron and Aluminum applications	K10-15
MKN15	Uncoated medium wear resistant grade for light interrupted cuts in Cast Iron and Aluminum applications	K15-20
MM15	Uncoated wear resistant grade for Stainless Steel applications	M15-20
MM25	CVD coated with excellent balance of wear resistance and toughness for Stainless Steel roughing applications	M20-25
MMN15	PVD coated wear resistant grade for Stainless, High Temperature Alloys and Aluminum applications	M15-20
MP10	CVD coated high wear resistant grade for High Carbon and Alloy Steel applications. Also performs well in Cast Iron applications	P10, K10-15
MP15	CVD Coated Wear resistant grade for Low and Medium Carbon Steel and Alloy Steel Applications. Can also be used in finishing and medium machining Cast Irons	P15
MP25	CVD coated medium wear resistant grade for medium and rough machining in Steel applications	P25
MPM35	CVD coated grade for roughing and interrupted cuts in Steel and Stainless Steel applications	P35, M20-25

Positive Rake Turning Inserts for Steel Applications

Deduct 25%
From List Price

Style PMF Chipbreaker

	ISO Chipbreaker Color Code	ANSI Insert Number	ISO Color Code Classification			List Price
			MP15	MP25	MPM35	
		CCMT-21.51-PMF		1663231104	1664231104	\$5.62
		CCMT-32.51-PMF	1662231110	1663231110	1664231110	6.21
		DCMT-21.51-PMF		1663231904	1664231904	5.62
		DCMT-32.51-PMF		1663231910	1664231910	6.34
		VCMT-2205-PMF		1663233754	1664233754	6.03
		VCMT-221-PMF		1663233714		6.03
		VCMT-331-PMF		1663233722	1664233722	8.15

Positive Rake Turning Inserts for Steel Applications

Deduct 25%
From List Price

Style PM Chipbreaker

ISO Chipbreaker Color Code	ANSI Insert Number	ISO Color Code Classification			List Price
		MP15	MP25	MPM35	
	CCMT-21.51-PM	1662251104	1663251104	1664251104	\$5.62
	CCMT-32.51-PM	1662251110	1663251110	1664251110	6.21
	CCMT-32.52-PM	1662251111	1663251111	1664251111	6.21
	DCMT-21.51-PM		1663251904		5.62
	DCMT-32.51-PM	1662251910	1663251910	1664251910	6.34
	DCMT-32.52-PM	1662251911	1663251911	1664251911	6.34
	TCMT-21.51-PM	1662253004	1663253004		5.62
	TCMT-32.51-PM	1662253010	1663253010	1664253010	6.41
	TCMT-32.52-PM	1662253011	1663253011	1664253011	6.41
	VCMT-221-PM		1663253714		6.03
	VCMT-331-PM		1663253722	1664253722	8.15
	VCMT-332-PM		1663253723	1664253723	8.15

Positive Rake Turning Inserts for Stainless and Aluminum

Deduct 25%
From List Price

Style PSF Chipbreaker

ISO Chipbreaker Color Code	ANSI Insert Number	ISO Color Code Classification	
		MM25	List Price
	CCMT-21.51-PSF	1667241104	\$5.62
	CCMT-32.51-PSF	1667241110	6.21
	CCMT-32.52-PSF	1667241111	6.21
	DCMT-21.51-PSF	1667241904	5.62
	DCMT-32.51-PSF	1667241910	6.34
	DCMT-32.52-PSF	1667241911	6.34
	TCMT-21.51-PSF	1667243004	5.62
	TCMT-32.51-PSF	1667243010	6.41
	TCMT-32.52-PSF	1667243011	6.41
	VCMT-2205-PSF	1667243754	6.03
	VCMT-221-PSF	1667243714	6.03
	VCMT-331-PSF	1667243722	8.15
	VCMT-332-PSF	1667243723	8.15

Style SAL Chipbreaker

ISO Chipbreaker Color Code	ANSI Insert Number	ISO Color Code Classification	
		MK10	List Price
	CCGT-21.51-SAL	1670291004	\$11.05
	CCGT-32.51-SAL	1670291010	11.46
	CCGT-32.52-SAL	1670291011	11.46
	DCGT-21.51-SAL	1670291804	11.06
	DCGT-32.51-SAL	1670291810	12.35
	DCGT-32.52-SAL	1670291811	12.35
	TCGT-21.51-SAL	1670292904	11.46
	TCGT-32.51-SAL	1670292910	13.71
	TCGT-32.52-SAL	1670292911	13.71
	VCGT-221-SAL	1670293514	15.38
	VCGT-331-SAL	1670293522	18.63
	VCGT-332-SAL	1670293523	18.63

Negative Rake Turning Inserts for Steel and Stainless Applications

Style SFF Chipbreaker

ISO Chipbreaker Color Code	ANSI Insert Number	ISO Color Code Classification		Price
		MP25	MPM35	
	CNMG-432-SFF	1663121532	1664121532	\$7.11
	TNMG-331-SFF		1664123222	6.93
	TNMG-332-SFF		1664123223	6.93
	TNMG-432-SFF	1663123232		9.95
	WNMG-431-SFF		1664124331	7.11
	WNMG-432-SFF	1663124332	1664124332	7.11
	WNMG-433-SFF		1664124333	7.11





Deduct 25%
From List Price

ISO Chipbreaker Color Code	ANSI Insert Number	ISO Color Code Classification	
		MMN15	Price
	CNMG-431-SFF	1665121531	\$9.01
	CNMG-432-SFF	1665121532	9.01
	DNMG-431-SFF	1665122231	11.09
	DNMG-432-SFF	1665122232	11.09

Negative Rake Turning Inserts for Steel Applications

Deduct
25%
From List Price

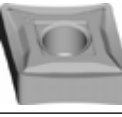



Style SLF Chipbreaker

		ISO Color Code Classification				
ISO Chipbreaker Color Code	ANSI Insert Number	MP10	MP15	MP25	MPM35	Price
	CNMG-431-SLF	1661101531		1663101531		\$7.11
	CNMG-432-SLF	1661101532		1663101532		7.11
	DNMG-331-SLF	1661102222		1663102222		6.86
	DNMG-431-SLF	1661102231		1663102231		8.73
	VNMG-331-SLF		1662103922	1663103922	1664103922	8.04
	VNMG-332-SLF		1662103923	1663103923	1664103923	8.04
	WNMG-431-SLF	1661104331		1663104331		7.11
	WNMG-432-SLF			1663104332		7.11
	WNMG-433-SLF			1663104333		7.11

Negative Rake Turning Inserts for Stainless, High-Temp Alloys and Aluminum

Deduct
25%
From List Price




Style HLF Chipbreaker

		ISO Color Code Classification				
ISO Chipbreaker Color Code	ANSI Insert Number	MKN10	MKN15	Price	MMN15	Price
	CNGP-4302-HLF		1669191361	\$11.78	1665191361	\$15.11
	CNGP-4305-HLF	1668191359	1669191359	11.78	1665191359	15.11
	CNGP-431-HLF	1668191331	1669191331	11.78	1665191331	15.11
	CNGP-432-HLF				1665191332	15.11
	DNGP-4305-HLF		1669192059	13.10	1665192059	15.66
	DNGP-431-HLF	1668192031	1669192031	13.10	1665192031	15.66
	DNGP-432-HLF	1668192032	1669192032	13.10	1665192032	15.66
	DNGP-4405-HLF		1669192060	13.52	1665192060	16.74
	DNGP-441-HLF		1669192035	13.52	1665192035	16.74
	DNGP-442-HLF		1669192036	13.52	1665192036	16.74
	VNGP-3305-HLF	1668193857	1669193857	13.10	1665193857	16.53
	VNGP-331-HLF	1668193822	1669193822	13.10	1665193822	16.53
	VNGP-332-HLF		1669193823	13.10		
	WNGP-431-HLF		1669194131	11.96		
	WNGP-432-HLF		166919132	11.96		

Negative Rake Turning Inserts for Cast Iron Applications

Deduct
25%
From List Price

Style N - No Chipbreaker

		ISO Color Code Classification			
ISO Chipbreaker Color Code	ANSI Insert Number	MKN10	Price	MK15	Price
	CNMA-431-N	1668301431	\$5.48		
	CNMA-432-N	1668301432	5.48	1670301432	\$8.12
	CNMA-644-N	1668301449	11.78	1670301449	
	SNMA-432-N			1670302632	8.04
	SNMA-644-N	1668302649	11.92	1670302649	17.23
	SNMA-866-N			1670302652	34.47
	WNMA-432-N			1670304232	8.12
	WNMA-433-N	1668304233	5.89	1670304233	8.12

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Prices subject to change without notice.

What do the ISO Color Codes mean?

Use the chart at the right to determine the best grade and chipbreaker combination for your applications.

ISO Color Code Classification	
Color	Material Application
	Steels
	Stainless Steels
	Cast Iron
	High Temperature Alloys
	Aluminum and Non Ferrous