



Turning Inserts

- Positive rake
- Screw mount
- Priced each, sold in pkg. of 10 only

Note: For additional sizes, go to Grainger.com.



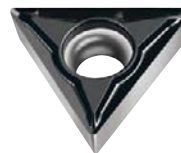
Rhombic



Round



Square



Triangle



Trigon

ISO Grade	Application	First Choice Grade
K	Cast Iron	WCK10, WKK10S, WKK20S, WKP30S, WPP01, WPP10S, WPP20S, WPV10, WPV20, WXP30
H	Hardened	WCB30, WCB50, WKK10S, WSM01, WWS20
N	Non Ferrous	WDN10, WK1, WNN10, WSM01, WSN10
M	Stainless	WKP30S, WMP20S, WNN10, WPP20S, WPV10, WPV20, WSM01, WSM10S, WSM20, WSM20S, WSM21, WSM30S, WXP30
P	Steel	WKK20S, WKP30S, WMP20S, WNN10, WPP10S, WPP20S, WPP30S, WPV10, WPV20, WSM01, WSM10S, WSM20S, WSM21, WSM30S, WXP30
S	Super Alloy	WIS10, WMP20S, WNN10, WPP20S, WSM01, WSM10, WSM10S, WSM20, WSM20S, WSM21, WSM30S, WWS20, WXP30

ANSI No.	Inscribed Circle	Nose Radius	Grade	Item No.
Rhombic				
CCGT2(1.5)0.2-FM2 WSM20S	1/4 in	0.004"	WSM20S	449Y86
CCGT2(1.5)0.5-FN2 WNN10	1/4 in	0.008"	WNN10	449X41
CCGT2(1.5)0.5-PM2	1/4 in	0.0078"	WNN10	30FL16
CCGT2(1.5)1	1/2 in	0.0310"	WSM20S	53UN66
CCGT2(1.5)2	1/2 in	0.0160"	WSM01	53UN40
CCGT3(2.5)0.2-FM2 WSM20S	3/4 in	0.004"	WSM20S	449Y88
CCGT3(2.5)0.5-FN2 WNN10	3/4 in	0.008"	WNN10	449X44
CCGT3(2.5)1	1/4 in	0.0160"	WKK20S	53UN39
CCGT3(2.5)1	3/4 in	0.0310"	WPP10S	53UN62
CCGT3(2.5)1-FM2 WSM10S	3/4 in	0.016"	WSM10S	449Y90
CCGT3(2.5)1-FN2 WNN10	3/4 in	0.016"	WNN10	449X45
CCGT3(2.5)2	3/4 in	0.0080"	WSM01	53UN50
CCGT432-MN2 WNN10	1/2 in	0.031"	WNN10	449X91
CCGW2(1.5)0.5FS-1 WDN10	1/4 in	0.008"	WDN10	449W71
CCMT2(1.5)1	1/4 in	0.0080"	WPP10S	53UN75
CCMT2(1.5)1	1/4 in	0.0310"	WPP20S	53UP37
CCMT2(1.5)1-MM4 WSM30S	1/4 in	0.016"	WSM30S	449Z48
CCMT2(1.5)2	1/4 in	0.0160"	WPP20S	53UN85
CCMT2(1.5)2	1/4 in	0.0160"	WPP10S	53UN84
CCMT3(2.5)0.5	3/4 in	0.0160"	WMP20S	53UP49
CCMT3(2.5)0.5FS-1 WDN10	3/4 in	0.008"	WDN10	449W51
CCMT3(2.5)1	3/4 in	0.0160"	WPP20S	53UP54
CCMT3(2.5)1-PF WSM20S	3/4 in	0.016"	WSM20S	450A18
CCMT3(2.5)2	1/4 in	0.0160"	WKK10S	53UN88
CCMT3(2.5)2	3/4 in	0.0160"	WSM20S	53UP51
CCMT3(2.5)2	3/4 in	0.0310"	WSM20S	53UP98
CCMT431	3/4 in	0.0310"	WKK10S	53UP84
CCMT432	1/2 in	0.0310"	WPP20S	53UR79
CCMT432-PM	1/2 in	0.031"	WAK20	28MD041
CCMT433	1/4 in	0.0160"	WPP20S	53UP12
CNGA432T02020 WCK10	1/2 in	0.031"	WCK10	450G14
CNGA434T02020 WCK10	1/2 in	0.063"	WCK10	450G13
CNGG4(3)0.2 WSM01	1/2 in	0.004"	WSM01	449Y12
CNGG431-MS3 WSM01	1/2 in	0.016"	WSM01	449Y14
CNGG432-MS3 WSM01	1/2 in	0.031"	WSM01	449Y15
CNGN432T01020 WWS20	1/2 in	0.031"	WWS20	449W47
CNMA432-2	1/2 in	0.0310"	WCB50	30FM04
CNMG322-1369	3/4 in	0.031"	WPP30S	450C43
CNMG322-FP5	3/4 in	0.031"	WPP10S	28ME23
CNMG431-FV5 WPV20	1/2 in	0.016"	WPV20	450C46
CNMG431-MP5	1/2 in	0.016"	WPP20S	28ME33
CNMG431-MS3 WSM20S	1/2 in	0.016"	WSM20S	449X18
CNMG431-MV5 WPV20	1/2 in	0.016"	WPV20	450C74
CNMG431-NF4	1/2 in	0.016"	WSM10	28ME38
CNMG432-FP5	1/2 in	0.031"	WPP20S	28ME50
CNMG432-FV5 WPV10	1/2 in	0.031"	WPV10	450C47
CNMG432-MM5 WMP20S	1/2 in	0.031"	WMP20S	450F73
CNMG432-MP5	1/2 in	0.031"	WPP10S	28ME54
CNMG432-MP5	1/2 in	0.031"	WPP20S	28ME55
CNMG432-MS3 WPP20S	1/2 in	0.031"	WPP20S	449X19
CNMG432-MS3 WSM10S	1/2 in	0.031"	WSM10S	449X10
CNMG432-NF4	1/2 in	0.031"	WSM10	28ME60
CNMG432-NM4	1/2 in	0.031"	WSM20	28ME71
CNMG432-NRS WSM20S	1/2 in	0.031"	WSM20S	449Z76
CNMG432-FV5 WPV10	1/2 in	0.031"	WPV10	450D59
CNMG433-MV5 WPV10	1/2 in	0.047"	WPV10	450C77
CNMG542-MM5 WSM30S	3/4 in	0.031"	WSM30S	450D53
CNMG542-MP5	3/4 in	0.031"	WPP20S	28MF50
CNMG543-MK5 WKP30S	3/4 in	0.047"	WKP30S	450F44
CNMG543-NRS WSM30S	3/4 in	0.047"	WSM30S	449Z81
CNMG544-NRS WSM20S	3/4 in	0.063"	WSM20S	449Z82
CNMG643-RM5 WSM10S	3/4 in	0.047"	WSM10S	450F25
CNMG644-RM5 WSM30S	3/4 in	0.063"	WSM30S	450F54
CPGT2(1.5)0.5	1/4 in	0.0040"	WSM01	53UV33
CPGT2(1.5)1	1/4 in	0.0080"	WSM01	53UV34
CPGT2(1.5)2	1/4 in	0.0160"	WKK20S	53UV35
CPGW1.8(1.5)1FS-1 WDN10	1/32 in	0.016"	WDN10	450C15
CPGW3(2.5)1FS-1 WDN10	1/32 in	0.016"	WDN10	450C20
CPGW3(2.5)2FS-1 WDN10	1/32 in	0.031"	WDN10	450C17
CPMT1.8(1.5)1-FP4 WPP10S	1/32 in	0.016"	WPP10S	450A49
CPMT3(2.5)1	1/4 in	0.0160"	WMP20S	53UV57
DCGT2(1.5)0.2-FM2 WSM20S	1/4 in	0.004"	WSM20S	449Y49
DCGT2(1.5)0.5-FN2 WNN10	1/4 in	0.008"	WNN10	449X48
DCGT2(1.5)2FS-M1 WDN10	1/4 in	0.031"	WDN10	449W63
DCGT3(2.5)0-PM2	3/4 in	0.0039"	WK1	30FN28
DCGT3(2.5)0.2-FM2 WSM20S	3/4 in	0.004"	WSM20S	449Y51
DCGT3(2.5)0.2-FN2 WNN10	3/4 in	0.004"	WNN10	449X77
DCGT3(2.5)0.5-PM2	3/4 in	0.0078"	WNN10	30FN33
DCGT3(2.5)1-PM2	3/4 in	0.0157"	WNN10	30FN37
DCGT3(2.5)2-PM2	3/4 in	0.0310"	WNN10	30FN41
DCGW2(1.5)0.5FS-1 WDN10	1/4 in	0.008"	WDN10	449W82

ANSI No.	Inscribed Circle	Nose Radius	Grade	Item No.
Round				
DCGW3(2.5)2FS-1 WDN10	3/4 in	0.031"	WDN10	449W84
DCMT2(1.5)1-PF WSM30S	1/4 in	0.016"	WSM30S	450A23
DCMT3(2.5)1	3/4 in	0.0160"	WPP20S	53UX04
DCMT3(2.5)1-PM WSM20S	3/4 in	0.016"	WSM20S	450A27
DCMT3(2.5)2-PM WSM20S	3/4 in	0.031"	WSM20S	450A28
DNGA442T02020 WCK10	1/2 in	0.031"	WCK10	450G20
DNGG4(3)0.5 WSM01	1/2 in	0.008"	WSM01	449Y16
DNGG431-MS3 WSM01	1/2 in	0.016"	WSM01	450G04
DNGG432-MS3 WSM01	1/2 in	0.031"	WSM01	449Y17
DNMG331-FM5 WMP20S	3/4 in	0.016"	WMP20S	450A79
DNMG331-NMT WSM20S	3/4 in	0.016"	WSM20S	449Y40
DNMG431-FM5 WSM10S	1/2 in	0.016"	WSM10S	450A68
DNMG431-MM5 WMP20S	1/2 in	0.016"	WMP20S	450F89
DNMG432	1/2 in	0.0160"	WSM01	53UZ23
DNMG432	1/2 in	0.0310"	WPP20S	53UZ44
DNMG432-FM5 WSM10S	1/2 in	0.031"	WSM10S	450A84
DNMG432-FM5 WSM20S	1/2 in	0.031"	WSM20S	450A85
DNMG432-MM5 WMP20S	1/2 in	0.031"	WMP20S	450F78
DNMG432-MM5 WSM30S	1/2 in	0.031"	WSM30S	450D22
DNMG432-NMT WSM20S	1/2 in	0.031"	WSM20S	449Y42
DNMG441-MM5 WMP20S	1/2 in	0.016"	WMP20S	450F79
DNMG442	1/2 in	0.0310"	WPP30S	53UZ41
DNMG442-MM5 WMP20S	1/2 in	0.031"	WMP20S	450F81
DNMG442-NMT WSM20S	1/2 in	0.031"	WSM20S	449Y43
DNMG443-RV5 WPV20	1/2 in	0.047"	WPV20	450D62
DPGW2(1.5)1FS-1 WDN10	1/4 in	0.016"	WDN10	450C19
DPGW3(2.5)2FS-1 WDN10	3/4 in	0.031"	WDN10	450C22
DPMT2(1.5)1-FP4 WPP10S	1/4 in	0.016"	WPP10S	450A52
DPMT3(2.5)2-FP4 WPP10S	3/4 in	0.031"	WPP10S	450A54
VBMT221-FM6 WSM10S	1/4 in	0.016"	WSM10S	449Z71
VBMT331-FM6 WSM20S	3/4 in	0.016"	WSM20S	450C28
VBMT332-FM6 WSM20S	3/4 in	0.031"	WSM20S	449Z45
VBMT333-MK4 WKK10S	3/4 in	0.047"	WKK10S	450C29
VCGT2(2.5)0.5-FN2 WNN10	1/4 in	0.008"	WNN10	449X63
VCGT2.5(2)0.2-MN2 WNN10	5/16 in	0.004"	WNN10	449X26
VCGT3(3)0.5-MM4 WSM20S	3/4 in	0.008"	WSM20S	450F09
VCGT331-MN WDN10	3/4 in	0.016"	WDN10	449W94
VCGT331-MN2 WNN10	3/4 in	0.016"	WNN10	449X28
VCGT333-MN2 WNN10	3/4 in	0.047"	WNN10	449X80
VCGW22(0.5)FS-1 WDN10	1/4 in	0.008"	WDN10	449W90
VCGW221FS-1 WDN10	1/4 in	0.016"	WDN10	449W91
VCGW332FS-1 WDN10	3/4 in	0.031"	WDN10	449W93
VCGX3	0.375 in	0.008"	WXP30	449W49
VNMG3(3)0.2-MS3 WSM01	3/4 in	0.004"	WSM01	449Y18
VNMG3(3)0.5-MS3 WSM01	3/4 in	0.008"	WSM01	449Y24
VNMG331-MS3 WSM01	3/4 in	0.016"	WSM01	449Y19
VNMG3(3)0.5-FM5 WSM10S	3/4 in	0.008"	WSM10S	450A99
VNMG331-FM5 WSM10S	3/4 in	0.016"	WSM10S	450A65
VNMG331-FM5 WSM20S	3/4 in	0.016"	WSM20S	450C02
VNMG331-FV5 WPV20	3/4 in	0.016"	WPV20	450C66
VNMG331-MS3 WSM10S	3/4 in	0.016"	WSM10S	449X15
VNMG332-FM5 WSM10S	3/4 in	0.031"	WSM10S	450C03
VNMG332-FV5 WPV20	3/4 in	0.031"	WPV20	450C65
VNMG332-MM5 WMP20S	3/4 in	0.031"	WMP20S	450F71
VNMG332-MM5 WSM10S	3/4 in	0.031"	WSM10S	450D27
VNMG333	3/4 in	0.0470"	WPP20S	53VK45
Square				
RCGT2.6(2)-MN2 WNN10	0.315 in	0.157"	WNN10	449X96
RCGT43-MN2 WNN10	0.5 in	0.250"	WNN10	449X98
RCGT35E	0.375 in	0.177"	WIS10	30FP65
RPGN32T01020 WIS10	0.375 in	0.177"	WIS10	449W46
RPGN43T01020 WIS10	0.5 in	0.236"	WIS10	449W45
Triangle				
SCGT3(2.5)1	3/4 in	0.0160"	WSM01	53WE59
SCGT3(2.5)1	3/4 in	0.0310"	WSM01	53WE64
SCGT3(2.5)1-FN2 WNN10	3/4 in	0.016"	WNN10	449X73
SCGT3(2.5)1	3/4 in	0.0310"	WSM20S	53WE65
SCGT3(2.5)2	1/2 in	0.0310"	WSM01	53WE71
SCGT3(2.5)2	1/2 in	0.0310"	WSM20S	53WE72
SCGT3(2.5)2-FN2 WNN10	3/4 in	0.031"	WNN10	449X54
SCGT432	3/4 in	0.0310"	WPP20S	53WE73
SCGT432	3/4 in	0.0160"	WSM20S	53WE61
SCGT432	3/4 in	0.0310"	WPP20S	53WE67
SCGT432-MN2 WNN10	1/2 in	0.031"	WNN10	449Y03
SCGW3(2.5)1FS-9 WDN10	3/4 in	0.016"	WDN10	449W66
SCMT3(2.5)1	1/2 in	0.0310"	WSM20S	53WF48
SCMT3(2.5)1	1/2 in	0.0310"	WPP20S	53WF50
SCMT3(2.5)1	1/2 in	0.0470"	WSM30S	53WF71
SCMT3(2.5)1	3/4 in	0.0160"	WSM20S	53WE80
SCMT3(2.5)1	3/4 in	0.0160"	WSM20S	53WF03
SCMT3(2.5)1	3/4 in	0.0160"	WSM30S	53WF04
SCMT3(2.5)1	3/4 in	0.0310"	WMP20S	53WF12

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