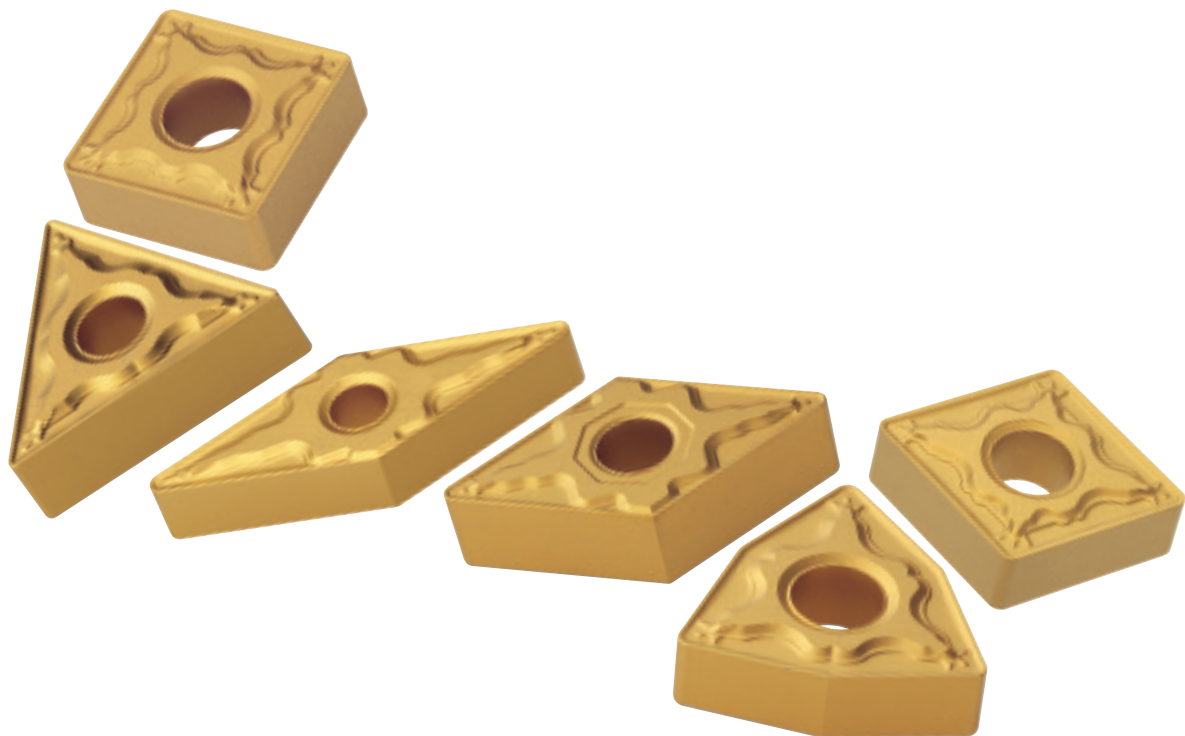




Turning Insert Clearance



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February 2013

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METALWORKING SOLUTIONS



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Canadians Supporting Canadians

No Chipbreaker

Insert Designation	Code No.	SALE \$
CNMA431 NC305K	2106562	6.76
CNMA431 NC6110	2106564	6.76
CNMA431 NC315K	2106566	6.76
CNMA432 NC3120	2109132	6.44
CNMA432 NC6110	2106570	6.76
CNMA432 NC315K	2106572	6.76
CNMA433 NC305K	2106574	6.76
CNMA433 NC6110	2106576	6.76
CNMA433 NC315K	2106578	6.76
CNMA434 NC6110	2106582	6.76
CNMA543 NC305K	2106586	10.53
CNMA543 NC6110	2106588	10.53
CNMA642 NC6110	2106600	14.04
CNMA643 NC305K	2106604	14.04
CNMA643 NC6110	2106606	14.04
CNMA643 NC315K	2106608	14.04
CNMA644 NC6110	2106612	14.04
CNMA644 NC315K	2106614	14.04
DNMA332 NC305K	2106616	6.89
DNMA332 NC6110	2106618	6.89
DNMA431 NC6110	2106624	8.32
DNMA432 NC6110	2106630	8.32
DNMA433 NC6110	2106636	8.32
SNMA432 NC305K	2106658	6.76
SNMA433 NC305K	2106664	6.76
SNMA433 NC6110	2106666	6.76
SNMA433 NC315K	2106668	6.76
SNMA434 NC305K	2106670	6.76
SNMA434 NC6110	2106672	6.76
SNMA543 NC305K	2106676	10.79
SNMA543 NC6110	2106678	10.79
SNMA543 NC315K	2106680	10.79
SNMA643 NC6110	2106696	14.04
SNMA643 NC315K	2106698	14.04
SNMA644 NC6110	2106702	14.04
SNMA644 NC315K	2106704	14.04
TNMA331 NC305K	2106724	5.92
TNMA331 NC6110	2106726	5.92
TNMA332 NC305K	2106730	5.92
TNMA332 NC6110	2106732	5.92
TNMA332 NC315K	2106733	5.92
TNMA333 NC305K	2106734	5.92
TNMA333 NC6110	2106736	5.92
TNMA333 NC315K	2106738	5.92
TNMA432 NC6110	2106748	8.39
TNMA433 NC305K	2106752	8.39
TNMA433 NC6110	2106754	8.39
TNMA434 NC305K	2106758	8.39
TNMA434 NC315K	2106762	8.39
TNMA434 CX270	2109000	8.39
WNMA331 NC305K	2106776	5.66
WNMA331 NC6110	2106778	5.66
WNMA331 NC315K	2106780	5.66
WNMA332 NC315K	2106786	5.66
WNMA333 NC6110	2106790	5.66
WNMA333 NC315K	2106792	5.66
WNMA432 NC305K	2106794	7.15
WNMA432 NC6110	2106796	7.15
WNMA432 NC315K	2106798	7.15
WNMA433 NC305K	2106800	7.15
WNMA433 NC6110	2106802	7.15
WNMA433 NC315K	2106804	7.15

B25 Chipbreaker

Insert Designation	Code No.	SALE \$
CNMG431-B25 NC3010	2105590	6.76
CNMG431-B25 NC3030	2105594	6.76
CNMG431-B25 NC305K	2105604	6.76
CNMG431-B25 NC6110	2105606	6.76
CNMG431-B25 NC315K	2105608	6.76
CNMG432-B25 NC3010	2105610	6.76
CNMG432-B25 NC3120	2105612	6.76
CNMG432-B25 NC3030	2105614	6.76
CNMG432-B25 NC500H	2105616	6.76
CNMG432-B25 NC9020	2105618	6.76
CNMG432-B25 PC9030	2105620	6.76
CNMG432-B25 NC305K	2105624	6.76
CNMG432-B25 NC6110	2105626	6.76
CNMG432-B25 NC315K	2105628	6.76
CNMG433-B25 NC3010	2105630	6.76
CNMG433-B25 NC3120	2105632	6.76
CNMG433-B25 NC3030	2105634	6.76
CNMG433-B25 NC9020	2105640	6.76
CNMG433-B25 NC305K	2105646	6.76
CNMG433-B25 NC6110	2105648	6.76
CNMG433-B25 NC315K	2105650	6.76
CNMG542-B25 NC3010	2105652	10.53
CNMG542-B25 NC3120	2105654	10.53
CNMG542-B25 NC3030	2105656	10.53
CNMG542-B25 NC305K	2105666	10.53
CNMG542-B25 NC6110	2105668	10.53
CNMG542-B25 NC315K	2105670	10.53
CNMG543-B25 NC3010	2105672	10.53
CNMG543-B25 NC3120	2105674	10.53
CNMG543-B25 NC3030	2105676	10.53
CNMG543-B25 NC6110	2105688	10.53
CNMG543-B25 NC315K	2105690	10.53
CNMG642-B25 NC3010	2105712	14.04
CNMG642-B25 NC3120	2105713	14.04
CNMG642-B25 NC3030	2105714	14.04
CNMG642-B25 NC6110	2105726	14.04
CNMG642-B25 NC315K	2105730	14.04
CNMG643-B25 NC3010	2105732	14.04
CNMG643-B25 NC3120	2105734	14.04
CNMG643-B25 NC3030	2105736	14.04
CNMG643-B25 NC500H	2105738	14.04
CNMG643-B25 NC6110	2105748	14.04
CNMG643-B25 NC315K	2105750	14.04
CNMG644-B25 NC3010	2105752	14.04
CNMG644-B25 NC3120	2105754	14.04
CNMG644-B25 NC3030	2105756	14.04
CNMG644-B25 NC500H	2105758	14.04
CNMG644-B25 PC8110	2105764	14.04
CNMG644-B25 NC6110	2105768	14.04
DNMG431-B25 NC3030	2105776	8.32
DNMG431-B25 NC6110	2105788	8.32
DNMG432-B25 NC3120	2105794	8.32
DNMG432-B25 NC3030	2105796	8.32
DNMG432-B25 NC6110	2105808	8.32
DNMG432-B25 NC315K	2105810	8.32
DNMG432-B25 NC3120	2105794	8.32
RNMG43-B25 NC3030	2109040	7.02
RNMG64-B25 NC3030	2109152	13.59
RNMG84-B25 NC3030	2109153	25.35
SNMG322-B25 NC3010	2105832	5.98
SNMG322-B25 NC3120	2105834	5.98
SNMG322-B25 NC3030	2105836	5.98
SNMG322-B25 NC305K	2105846	5.98
SNMG322-B25 NC315K	2105850	5.98
SNMG431-B25 NC3010	2105852	6.76
SNMG431-B25 NC3120	2105854	6.76
SNMG431-B25 NC3030	2105856	6.76
SNMG431-B25 NC6110	2105868	6.76
SNMG432-B25 NC3010	2105872	6.76
SNMG432-B25 NC3120	2105874	6.76
SNMG432-B25 NC3030	2105876	6.76
SNMG432-B25 NC9020	2105880	6.76
SNMG432-B25 PC9030	2105882	6.76

B25 Chipbreaker cont'd

Insert Designation	Code No.	SALE \$
SNMG432-B25 NC6110	2105888	6.76
SNMG433-B25 NC3120	2105894	6.76
SNMG433-B25 NC3030	2105896	6.76
SNMG433-B25 NC305K	2105906	6.76
SNMG433-B25 NC6110	2105908	6.76
SNMG433-B25 NC315K	2105910	6.76
SNMG434-B25 NC3030	2105916	6.76
SNMG434-B25 NC305K	2105926	6.76
SNMG434-B25 NC6110	2105928	6.76
SNMG434-B25 NC315K	2105930	6.76
SNMG542-B25 NC3120	2105934	10.79
SNMG542-B25 NC3030	2105936	10.79
SNMG543-B25 NC3120	2105956	10.79
SNMG543-B25 NC3030	2105958	10.79
SNMG543-B25 NC500H	2105960	10.79
SNMG543-B25 NC6110	2105970	10.79
SNMG544-B25 NC3120	2105974	10.79
SNMG544-B25 NC3030	2105978	10.79
SNMG544-B25 NC500H	2105980	10.79
SNMG544-B25 NC6110	2105990	10.79
SNMG642-B25 NC3010	2105994	14.04
SNMG642-B25 NC3120	2105996	14.04
SNMG642-B25 NC3030	2105998	14.04
SNMG642-B25 NC6110	2106010	14.04
SNMG642-B25 NC315K	2106012	14.04
SNMG643-B25 NC3010	2106014	14.04
SNMG643-B25 NC3120	2106016	14.04
SNMG643-B25 NC3030	2106018	14.04
SNMG643-B25 NC500H	2106020	14.04
SNMG643-B25 NC6110	2106028	14.04
SNMG644-B25 NC3120	2106033	14.04
SNMG644-B25 NC3030	2106034	14.04
SNMG644-B25 NC500H	2106036	14.04
SNMG644-B25 NC6110	2106046	14.04
SNMG644-B25 NC315K	2106048	14.04
TNMG321-B25 NC3030	2106094	5.46
TNMG322-B25 NC3120	2106112	5.46
TNMG322-B25 NC6110	2106130	5.46
TNMG324-B25 NC6110	2106170	5.46
TNMG331-B25 NC3010	2106174	5.92
TNMG331-B25 NC3120	2106176	5.92
TNMG331-B25 NC3030	2106178	5.92
TNMG331-B25 NC6110	2106190	5.92
TNMG332-B25 NC3010	2106194	5.92
TNMG332-B25 NC3120	2106196	5.92
TNMG332-B25 NC9020	2106200	5.92
TNMG332-B25 PC9030	2106202	5.92
TNMG332-B25 NC305K	2106206	5.92
TNMG332-B25 NC6110	2106208	5.92
TNMG332-B25 NC315K	2106210	5.92
TNMG333-B25 NC3030	2106216	5.92
TNMG334-B25 NC6110	2106248	5.92
TNMG334-B25 NC315K	2106250	5.92
TNMG431-B25 NC3010	2106254	8.39
TNMG431-B25 NC3120	2106255	8.39
TNMG431-B25 NC3030	2106256	8.39
TNMG432-B25 NC3010	2106272	8.39
TNMG432-B25 NC3120	2106274	8.39
TNMG432-B25 NC3030	2106276	8.39
TNMG432-B25 NC500H	2106278	8.39
TNMG432-B25 PC9030	2106282	8.39
TNMG432-B25 NC305K	2106286	8.39
TNMG432-B25 NC6110	2106288	8.39
TNMG433-B25 NC3120	2106294	8.39
TNMG433-B25 NC3030	2106296	8.39
TNMG433-B25 NC500H	2106298	8.39
TNMG434-B25 NC3010	2106312	8.39
TNMG434-B25 NC3120	2106314	8.39
TNMG434-B25 NC3030	2106316	8.39
TNMG434-B25 NC500H	2106318	8.39
TNMG434-B25 NC6110	2106328	8.39
TNMG436-B25 NC305K	2106346	8.39
TNMG436-B25 NC6110	2106348	8.39
TNMG542-B25 NC3120	2106354	13.46
TNMG542-B25 NC3030	2106356	13.46

B25 Chipbreaker cont'd

Insert Designation	Code No.	SALE \$
TNMG543-B25 NC3010	2106374	13.46
TNMG543-B25 NC3120	2106376	13.46
TNMG543-B25 NC3030	2106378	13.46
TNMG543-B25 NC315K	2106392	13.46
TNMG544-B25 NC3010	2106394	13.46
TNMG544-B25 NC3030	2106400	13.46
TNMG544-B25 NC315K	2106414	13.46
TNMG654-B25 NC3010	2106416	19.96
TNMG654-B25 NC3120	2106418	19.96
WNMG432-B25 NC3010	2106476	7.15
WNMG432-B25 NC3120	2106478	7.15
WNMG432-B25 NC3030	2106480	7.15
WNMG432-B25 NC305K	2106490	7.15
WNMG432-B25 NC6110	2106492	7.15
WNMG433-B25 NC315K	2106494	7.15
WNMG433-B25 NC3030	2106500	7.15
WNMG433-B25 NC305K	2106510	7.15
WNMG433-B25 NC6110	2106512	7.15
WNMG542-B25 NC3120	2106518	7.67
WNMG542-B25 NC3030	2106520	7.67
WNMG542-B25 NC305K	2106530	7.67
WNMG542-B25 NC6110	2106532	7.67
WNMG542-B25 NC315K	2106534	7.67
WNMG643-B25 NC3010	2106536	8.84
WNMG643-B25 NC3120	2106538	8.84
WNMG643-B25 NC3030	2106540	8.84
WNMG643-B25 NC315K	2106554	8.84

GH Chipbreaker

Insert Designation	Code No.	SALE \$
CNMM432-GH NC3120	2101052	6.76
CNMM432-GH NC3030	2101054	6.76
CNMM432-GH NC500H	2101056	6.76
CNMM433-GH NC3010	2101060	6.76
CNMM433-GH NC3030	2101062	6.76
CNMM433-GH NC500H	2101064	6.76
CNMM643-GH NC3010	2101066	14.04
CNMM643-GH NC3120	2101068	14.04
CNMM643-GH NC3030	2101070	14.04
CNMM643-GH NC500H	2101072	14.04
CNMM644-GH NC3120	2101076	14.04
CNMM644-GH NC3030	2101078	14.04
CNMM644-GH NC500H	2101080	14.04
CNMM856-GH NC3120	2101092	25.29
CNMM856-GH NC3030	2101094	25.29
CNMM866-GH NC3120	2101100	28.86
CNMM866-GH NC3030	2101102	28.86
CNMM866-GH NC500H	2101104	28.86
SNMM432-GH NC3120	2101108	6.76
SNMM432-GH NC3030	2101110	6.76
SNMM432-GH NC500H	2101112	6.76
SNMM433-GH NC3120	2101116	6.76
SNMM433-GH NC3030	2101118	6.76
SNMM433-GH NC500H	2101120	6.76
SNMM543-GH NC3120	2101124	10.79
SNMM543-GH NC3030	2101126	10.79
SNMM643-GH NC3120	2101132	14.04
SNMM643-GH NC3030	2101134	14.04
SNMM643-GH NC500H	2101136	14.04
SNMM644-GH NC3120	2101140	14.04
SNMM644-GH NC3030	2101142	14.04
SNMM644-GH NC500H	2101144	14.04
SNMM646-GH NC3120	2101148	14.04
SNMM646-GH NC3030	2101150	14.04
SNMM856-GH NC3120	2101156	25.29
SNMM856-GH NC3030	2101158	25.29
SNMM856-GH NC500H	2101160	25.29
SNMM866-GH NC9025	2109018	28.86
TNMM332-GH NC3120	2101164	5.92
TNMM332-GH NC3030	2101166	5.92

GH Chipbreaker cont'd

Insert Designation	Code No.	SALE \$
TNMM432-GH NC3120	2101172	8.39
TNMM432-GH NC3030	2101174	8.39
TNMM432-GH NC500H	2101176	8.39
TNMM433-GH NC3120	2101180	8.39
TNMM433-GH NC3030	2101182	8.39
TNMM433-GH NC500H	2101184	8.39
TNMM434-GH NC3120	2101188	8.39
TNMM434-GH NC500H	2101190	8.39

GR Chipbreaker

Insert Designation	Code No.	SALE \$
CNMG432-GR NC3010	2106806	6.76
CNMG432-GR NC3120	2106808	6.76
CNMG432-GR NC500H	2106812	6.76
CNMG432-GR NC9020	2106814	6.76
CNMG432-GR PC9030	2106816	6.76
CNMG432-GR PC8010	2106818	6.76
CNMG432-GR NC6110	2106820	6.76
CNMG432-GR NC315K	2106822	6.76
CNMG432-GR NC3010	2106824	6.76
CNMG433-GR NC3030	2106826	6.76
CNMG433-GR NC500H	2106828	6.76
CNMG433-GR PC9030	2106832	6.76
CNMG433-GR NC6110	2106836	6.76
CNMG433-GR NC315K	2106838	6.76
CNMG434-GR NC3120	2106842	6.76
CNMG434-GR NC3030	2106844	6.76
CNMG434-GR NC9020	2106848	6.76
CNMG434-GR PC8010	2106852	6.76
CNMG434-GR NC6110	2106854	6.76
CNMG434-GR NC315K	2106856	6.76
CNMG542-GR NC3010	2106858	10.53
CNMG542-GR NC3120	2106860	10.53
CNMG542-GR NC3030	2106862	10.53
CNMG542-GR NC6110	2106872	10.53
CNMG542-GR NC315K	2106874	10.53
CNMG543-GR NC500H	2106882	10.53
CNMG543-GR NC9020	2106884	10.53
CNMG543-GR PC8010	2106888	10.53
CNMG543-GR NC6110	2106890	10.53
CNMG543-GR NC315K	2106892	10.53
CNMG544-GR NC3010	2106894	10.53
CNMG544-GR NC3120	2106896	10.53
CNMG544-GR NC3030	2106898	10.53
CNMG544-GR NC500H	2106900	10.53
CNMG544-GR PC8010	2106906	10.53
CNMG544-GR NC6110	2106908	10.53
CNMG544-GR NC315K	2106910	10.53
CNMG642-GR NC3120	2106913	14.04
CNMG642-GR NC3030	2106914	14.04
CNMG642-GR NC9020	2106918	14.04
CNMG642-GR NC6110	2106924	14.04
CNMG642-GR NC315K	2106926	14.04
CNMG643-GR NC3010	2106928	14.04
CNMG643-GR NC3120	2106930	14.04
CNMG643-GR NC3030	2106931	14.04
CNMG643-GR NC500H	2106932	14.04
CNMG643-GR NC9020	2106934	14.04
CNMG643-GR PC8010	2106938	14.04
CNMG643-GR NC6110	2106940	14.04
CNMG643-GR NC315K	2106942	14.04
CNMG644-GR NC3010	2106944	14.04
CNMG644-GR NC3120	2106945	14.04
CNMG644-GR NC3120	2106946	14.04
CNMG644-GR NC3030	2106948	14.04
CNMG644-GR NC500H	2106950	14.04
CNMG644-GR NC9020	2106952	14.04
CNMG644-GR PC8010	2106956	14.04
CNMG644-GR NC6110	2106958	14.04
CNMG644-GR NC315K	2106960	14.04
CNMG866-GR NC3030	2106984	28.86
DNMG432-GR NC3120	2107000	8.32
DNMG432-GR NC3030	2107002	8.32

GR Chipbreaker cont'd

Insert Designation	Code No.	SALE \$
DNMG432-GR NC315K	2107014	8.32
DNMG433-GR NC6110	2107028	8.32
DNMG433-GR NC315K	2107030	8.32
DNMG434-GR NC3030	2107036	8.32
DNMG434-GR NC315K	2107048	8.32
SNMG432-GR NC3010	2107068	6.76
SNMG432-GR NC3120	2107070	6.76
SNMG432-GR NC3030	2107072	6.76
SNMG432-GR NC315K	2107084	6.76
SNMG433-GR NC3030	2107090	6.76
SNMG433-GR NC500H	2107092	6.76
SNMG433-GR NC6110	2107100	6.76
SNMG433-GR NC315K	2107102	6.76
SNMG542-GR NC3120	2107106	10.79
SNMG542-GR NC3030	2107108	10.79
SNMG542-GR NC500H	2107110	10.79
SNMG542-GR NC9020	2107112	10.79
SNMG543-GR NC3120	2107126	10.79
SNMG543-GR NC3030	2107128	10.79
SNMG543-GR NC500H	2107130	10.79
SNMG543-GR NC6110	2107138	10.79
SNMG543-GR NC315K	2107140	10.79
SNMG642-GR NC3120	2107144	14.04
SNMG642-GR NC3030	2107146	14.04
SNMG643-GR NC6110	2107174	14.04
SNMG643-GR NC315K	2107176	14.04
SNMG644-GR NC3120	2107180	14.04
SNMG644-GR NC3030	2107182	14.04
SNMG644-GR NC500H	2107184	14.04
SNMG644-GR NC6110	2107192	14.04
SNMG644-GR NC315K	2107194	14.04
SNMG856-GR NC3030	2107200	22.56
SNMG866-GR NC3120	2107216	28.86
SNMG866-GR NC3030	2107218	25.68
TNMG332-GR NC3010	2107232	5.92
TNMG332-GR NC3120	2107234	5.92
TNMG332-GR NC3030	2107236	5.92
TNMG332-GR NC315K	2107248	5.92
TNMG333-GR NC3010	2107250	5.92
TNMG333-GR NC315K	2107266	5.92
TNMG432-GR NC3120	2107270	8.39
TNMG432-GR NC6110	2107282	8.39
TNMG432-GR NC315K	2107284	8.39
TNMG433-GR NC3030	2107291	8.39
TNMG433-GR NC315K	2107304	8.39
TNMG434-GR NC315K	2107322	8.39
TNMG542-GR NC3120	2107326	13.46
TNMG542-GR NC3030	2107328	13.46
TNMG543-GR NC3120	2107344	13.46
TNMG543-GR NC3030	2107346	13.46
TNMG543-GR NC6110	2107356	13.46
TNMG543-GR NC315K	2107368	13.46
TNMG544-GR NC3030	2107374	13.46
TNMG666-GR NC3120	2107390	20.35
TNMG666-GR NC3030	2107392	20.35
WNMG432-GR NC3010	2107406	7.15
WNMG432-GR NC3120	2107408	7.15
WNMG432-GR NC3030	2107410	7.15
WNMG432-GR NC500H	2107412	7.15
WNMG432-GR NC6110	2107422	7.15
WNMG432-GR NC315K	2107426	7.15
WNMG433-GR NC3010	2107428	7.15
WNMG433-GR NC3120	2107430	7.15
WNMG433-GR NC3030	2107432	7.15
WNMG433-GR NC500H	2107434	7.15
WNMG433-GR NC6110	2107442	7.15
WNMG433-GR NC315K	2107444	7.15
WNMG434-GR NC3010	2107446	7.15
WNMG434-GR NC3120	2107448	7.15

GS Chipbreaker

Insert Designation	Code No.	SALE \$
CNMG431-GS NC3030	2101656	6.76
CNMG431-GS NC9020	2101658	6.76
CNMG431-GS PC9030	2101660	6.76
CNMG432-GS NC3120	2101664	6.76
CNMG432-GS NC3030	2101666	6.76
CNMG432-GS NC9020	2101668	6.76
CNMG432-GS PC9030	2101670	6.76
CNMG432-GS PC8010	2101672	6.76
CNMG432-GS PC8110	2109007	6.76
CNMG432-GS NC9025	2109009	6.76
CNMG432-GS PC5300	2109163	6.76
CNMG433-GS NC3120	2101674	6.76
CNMG433-GS NC9020	2101678	6.76
CNMG433-GS PC9030	2101680	6.76
CNMG433-GS PC8010	2101682	6.76
CNMG643-GS NC9020	2101708	14.04
CNMG643-GS PC8010	2101712	14.04
CNMG644-GS NC9025	2109001	14.04
CNMG644-GS PC8110	2109005	14.04
DNMG431-GS NC3120	2101714	8.32
DNMG431-GS NC9020	2101718	8.32
DNMG431-GS PC9030	2101720	8.32
DNMG432-GS NC9020	2101728	8.32
DNMG432-GS PC8010	2101732	8.32
DNMG433-GS NC9020	2101738	8.32
DNMG432-GS PC8110	2109003	8.32
SNMG431-GS NC9020	2101748	6.76
SNMG431-GS PC9030	2101750	6.76
SNMG432-GS NC3120	2101754	6.76
SNMG432-GS NC3030	2101756	6.76
SNMG432-GS NC9020	2101758	6.76
SNMG432-GS PC9030	2101760	6.76
SNMG432-GS PC8010	2101762	6.76
SNMG433-GS NC9020	2101768	6.76
TNMG331-GS NC3120	2101784	5.92
TNMG331-GS NC3030	2101786	5.92
TNMG331-GS NC9020	2101788	5.92
TNMG331-GS PC9030	2101790	5.92
TNMG332-GS NC3120	2101794	5.92
TNMG332-GS NC3030	2101796	5.92
TNMG332-GS NC9020	2101798	5.92
TNMG332-GS PC8010	2101802	5.92
TNMG333-GS NC9020	2101808	5.92
TNMG333-GS PC9030	2101810	5.92
TNMG432-GS NC3120	2101814	8.39
TNMG432-GS NC3030	2101816	8.39
TNMG432-GS NC9020	2101818	8.39
TNMG432-GS PC8110	2109014	8.39
WNMG331-GS NC9020	2101828	5.66
WNMG331-GS PC9030	2101830	5.66
WNMG332-GS NC9020	2101838	5.66
WNMG332-GS PC9030	2101840	5.92
WNMG431-GS NC3120	2101844	7.15
WNMG431-GS NC9020	2101848	7.15
WNMG431-GS PC9030	2101850	7.15
WNMG432-GS NC3120	2101854	7.15
WNMG432-GS PC5300	2109022	9.82
WNMG432-GS NC9020	2101858	7.15
WNMG432-GS PC9030	2101860	7.15
WNMG433-GS NC9020	2101868	7.15
WNMG433-GS PC8010	2101872	7.15

HA Chipbreaker

Insert Designation	Code No.	SALE \$
DNMG431-HA NC3120	2102054	7.93
DNMG431-HA NC9020	2102060	7.93
DNMG431-HA PC9030	2102062	7.93
DNMG431-HA PC8010	2102064	7.93
DNMG432-HA NC3120	2102070	7.93
DNMG432-HA NC9020	2102076	7.93
DNMG432-HA PC9030	2102078	7.93
DNMG432-HA PC8010	2102080	7.93
DNMG432-HA H01	2102082	7.67
DNMG432-HA PC8110	2109039	7.93
DNMG431-HA NC3120	2102054	7.93
DNMG431-HA NC9020	2102060	7.93
DNMG431-HA PC9030	2102062	7.93
DNMG431-HA PC8010	2102064	7.93
DNMG432-HA NC3120	2102070	7.93
DNMG432-HA NC9020	2102076	7.93
DNMG432-HA PC9030	2102078	7.93
DNMG432-HA PC8010	2102080	7.93
DNMG432-HA H01	2102082	7.67
DNMG432-HA PC8110	2109039	7.93
DNMG431-HA NC3120	2102054	7.93
DNMG431-HA NC9020	2102060	7.93
DNMG431-HA PC9030	2102062	7.93
DNMG431-HA PC8010	2102064	7.93
DNMG432-HA NC3120	2102070	7.93
DNMG432-HA NC9020	2102076	7.93
DNMG432-HA PC9030	2102078	7.93
DNMG432-HA PC8010	2102080	7.93
DNMG432-HA H01	2102082	7.67
DNMG432-HA PC8110	2109039	7.93
SNMG431-HA NC3120	2102118	6.76
SNMG431-HA NC9020	2102124	6.76
SNMG431-HA PC9030	2102126	6.76
SNMG431-HA H01	2102130	6.31
SNMG432-HA NC3120	2102134	6.76
SNMG432-HA PC9030	2102142	6.76
SNMG432-HA PC8010	2102144	6.76
SNMG432-HA H01	2102146	6.31
TNMG331-HA NC3120	2102166	5.66
TNMG331-HA NC3030	2102168	5.66
TNMG331-HA NC9020	2102172	5.66
TNMG331-HA PC9030	2102174	5.66
TNMG331-HA PC8010	2102176	5.66
TNMG331-HA H01	2102178	5.53
TNMG332-HA NC3030	2102184	5.66
TNMG332-HA NC9020	2102188	5.66
TNMG332-HA PC9030	2102190	5.66
TNMG332-HA PC8010	2102192	5.66
TNMG332-HA H01	2102194	5.53
TNMG432-HA NC3120	2102198	8.00
TNMG432-HA NC3030	2102200	8.00
TNMG432-HA NC9020	2102204	8.00
TNMG432-HA PC9030	2102206	8.00
TNMG432-HA PC8010	2102208	7.54
TNMG432-HA H01	2102210	7.80
VNMG331-HA NC9020	2102220	8.19
VNMG331-HA PC8110	2102224	8.19
VNMG331-HA H01	2102226	7.93
VNMG332-HA NC9020	2102236	8.19
VNMG332-HA PC8010	2102240	8.19
VNMG332-HA H01	2102242	7.93
WNMG331-HA NC9020	2102252	5.46
WNMG331-HA PC9030	2102254	5.46
WNMG331-HA PC8010	2102256	5.46
WNMG331-HA H01	2102258	5.20
WNMG332-HA NC3120	2102262	5.46
WNMG332-HA NC9020	2102268	5.46
WNMG332-HA PC9030	2102270	5.46
WNMG332-HA PC8010	2102272	5.46
WNMG431-HA H01	2100535	6.18
WNMG431-HA NC3120	2102278	6.76

HA Chipbreaker cont'd

Insert Designation	Code No.	SALE \$
WNMG431-HA NC9020	2102284	6.76
WNMG431-HA PC9030	2102286	6.76
WNMG431-HA PC8010	2102288	6.76
WNMG432-HA H01	2100537	6.18
WNMG432-HA NC3120	2102294	6.76
WNMG432-HA NC3030	2102296	6.76
WNMG432-HA NC9020	2102300	6.76
WNMG432-HA PC9030	2102302	6.76
WNMG432-HA PC8010	2102304	6.76
WNMG432-HA PC8110	2108991	6.83
WNMG432-HA H01	2102306	6.11
WNMG433-HA PC9030	2102318	6.76
WNMG432-HA PC8010	2102320	6.76
WNMG433-HA PC8110	2108992	9.82
WNMG433-HA H01	2102322	6.11

HC Chipbreaker

Insert Designation	Code No.	SALE \$
CNMG431-HC NC3010	2103346	6.76
CNMG431-HC NC3030	2103350	6.76
CNMG431-HC NC9020	2103356	6.76
CNMG431-HC PC9030	2103358	6.76
CNMG431-HC CN2000	2103362	5.33
CNMG432-HC NC3010	2103364	6.76
CNMG432-HC NC3120	2103366	6.76
CNMG432-HC NC3030	2103370	6.76
CNMG432-HC PC8010	2103398	6.76
CNMG432-HC PC9030	2103376	6.76
CNMG432-HC CN2000	2103380	5.33
CNMG433-HC NC3010	2103382	6.76
CNMG433-HC NC3120	2103384	6.76
CNMG433-HC NC3030	2103386	6.76
CNMG433-HC NC500H	2103388	6.76
CNMG433-HC PC9030	2103392	6.76
DNMG431-HC NC3010	2103400	8.32
DNMG431-HC NC3120	2103402	8.32
DNMG431-HC CN2000	2103414	6.50
DNMG432-HC NC3010	2103416	8.32
DNMG432-HC NC3120	2103418	8.32
DNMG432-HC CN2000	2103430	6.50
DNMG433-HC NC3010	2103432	8.32
DNMG433-HC NC3120	2103434	8.32
SNMG431-HC NC3010	2103494	6.76
SNMG431-HC NC3120	2103496	6.76
SNMG432-HC NC3010	2103512	6.76
SNMG432-HC NC3120	2103514	6.76
SNMG432-HC NC3030	2103516	6.76
SNMG432-HC NC9020	2103520	6.76
SNMG432-HC PC9030	2103522	6.76
SNMG432-HC PC8010	2103524	6.76
TNMG331-HC NC3010	2103544	5.92
TNMG331-HC NC3030	2103548	5.92
TNMG331-HC PC9030	2103554	5.92
TNMG331-HC CN2000	2103558	4.68
TNMG332-HC NC3120	2103562	5.92
TNMG332-HC NC3010	2103560	5.92
TNMG332-HC NC3030	2103564	5.92
TNMG332-HC NC9020	2103568	5.92
TNMG332-HC PC9030	2103590	5.92
TNMG432-HC NC3010	2103592	8.39
TNMG332-HC CN2000	2103594	4.68
WNMG431-HC NC3010	2103608	7.15
WNMG431-HC NC3030	2103612	7.15
WNMG431-HC PC9030	2103618	7.15
WNMG431-HC CN2000	2103622	5.53
WNMG432-HC NC3010	2103624	7.15
WNMG432-HC NC3030	2103628	7.15
WNMG432-HC NC9020	2103632	7.15

HR Chipbreaker

Insert Designation	Code No.	SALE \$
CNMG432-HR NC3010	2103640	6.76
CNMG432-HR NC3120	2103642	6.76
CNMG432-HR NC3030	2103644	6.76
CNMG432-HR NC6110	2103648	6.76
CNMG433-HR NC3010	2103656	6.76
CNMG433-HR NC3120	2103658	6.76
CNMG433-HR NC3030	2103660	6.76
CNMG433-HR NC6110	2103662	6.76
CNMG433-HR NC500H	2103672	6.76
CNMG542-HR NC3120	2103676	10.53
CNMG542-HR NC3030	2103678	10.53
CNMG542-HR NC6110	2103680	10.53
CNMG543-HR NC3010	2103688	10.53
CNMG543-HR NC3120	2103690	10.53
CNMG543-HR NC3030	2103692	10.53
CNMG543-HR NC6110	2103694	10.53
CNMG543-HR NC500H	2103702	10.53
CNMG642-HR NC3010	2103704	14.04
CNMG642-HR NC3120	2103706	14.04
CNMG642-HR NC3030	2103708	14.04
CNMG642-HR NC6110	2103710	14.04
CNMG643-HR NC3010	2103720	14.04
CNMG644-HR NC3010	2103721	14.04
CNMG643-HR NC3120	2103722	14.04
CNMG644-HR NC3120	2103723	14.04
CNMG643-HR NC3030	2103724	14.04
CNMG644-HR NC3030	2103725	14.04
CNMG643-HR NC6110	2103726	14.04
CNMG644-HR NC6110	2103727	14.04
CNMG643-HR NC500H	2103734	14.04
CNMG644-HR PC8110	2103738	14.04
CNMG644-HR NC500H	2103740	14.04
DNMG432-HR NC3120	2103744	8.32
DNMG432-HR NC3030	2103746	8.32
DNMG433-HR NC3030	2103762	8.32
DNMG433-HR NC3120	2103760	8.32
DNMG442-HR NC3120	2103776	9.49
DNMG442-HR NC3030	2103778	9.49
DNMG543-HR NC3120	2109038	11.96
SNMG432-HR NC3010	2103822	6.76
SNMG432-HR NC3030	2103826	6.76
SNMG433-HR NC3010	2103838	6.76
SNMG433-HR NC3120	2103840	6.76
SNMG433-HR NC3030	2103842	6.76
SNMG433-HR NC500H	2103852	6.76
SNMG434-HR NC3030	2103858	6.76
SNMG434-HR NC6110	2103860	6.76
SNMG542-HR NC3010	2103870	10.79
SNMG542-HR NC3030	2103874	10.79
SNMG542-HR NC6110	2103876	10.79
SNMG543-HR NC3010	2103886	10.79
SNMG543-HR NC3120	2103888	10.79
SNMG543-HR NC3030	2103890	10.79
SNMG544-HR NC3120	2103914	10.79
SNMG544-HR NC3030	2103916	10.79
SNMG544-HR NC6110	2103918	10.79
SNMG546-HR NC3030	2103932	10.79
SNMG642-HR NC3010	2103944	14.04
SNMG642-HR NC3120	2103946	14.04
SNMG642-HR NC3030	2103948	14.04
SNMG643-HR NC3010	2103960	14.04
SNMG643-HR NC3120	2103962	14.04
SNMG643-HR NC3030	2103964	14.04
SNMG643-HR NC500H	2103974	14.04
SNMG644-HR NC3010	2103976	14.04
SNMG644-HR NC3120	2103978	14.04
SNMG644-HR NC3030	2103980	14.04
SNMG644-HR NC500H	2103990	14.04
SNMG856-HR NC3120	2104010	22.56
SNMG856-HR NC3030	2104012	22.56
SNMG866-HR NC3120	2104026	25.68
SNMG866-HR NC3030	2104028	25.68
SNMG866-HR NC500H	2104038	25.68
TNMG332-HR NC3010	2104036	5.92
TNMG332-HR NC3120	2104037	5.92

HR Chipbreaker cont'd

Insert Designation	Code No.	SALE \$
TNMG332-HR NC3030	2104040	5.92
TNMG333-HR NC3010	2104052	5.92
TNMG333-HR NC3030	2104056	5.92
TNMG333-HR NC6110	2104058	5.92
TNMG432-HR NC3010	2104070	8.39
TNMG432-HR NC3120	2104072	8.39
TNMG432-HR NC3030	2104074	8.39
TNMG432-HR NC6110	2104076	8.39
TNMG433-HR NC3010	2104086	8.39
TNMG433-HR NC3120	2104088	8.39
TNMG433-HR NC3030	2104090	8.39
TNMG433-HR NC6110	2104092	8.39
TNMG433-HR NC500H	2104100	8.39
TNMG434-HR NC3010	2104102	8.39
TNMG434-HR NC3120	2104104	8.39
TNMG434-HR NC3030	2104106	8.39
TNMG434-HR NC6110	2104108	8.39
TNMG434-HR NC500H	2104116	8.39
TNMG542-HR NC3120	2104120	13.46
TNMG542-HR NC3030	2104122	13.46
TNMG543-HR NC3120	2104136	13.46
TNMG543-HR NC3030	2104138	13.46
TNMG543-HR NC500H	2104148	13.46
TNMG666-HR NC3120	2104186	20.35
TNMG666-HR NC9025	2109034	20.35
TNMG666-HR NC3030	2109031	20.35
WNMG432-HR NC3120	2104234	7.15
WNMG432-HR NC3030	2104236	7.15
WNMG432-HR NC6110	2104238	7.15
WNMG432-HR NC500H	2104246	7.15
WNMG433-HR NC3010	2104248	7.15
WNMG433-HR NC3120	2104250	7.15
WNMG433-HR NC3030	2104252	7.15
WNMG433-HR NC6110	2104254	7.15

HS Chipbreaker

Insert Designation	Code No.	SALE \$
CNMG321-HS NC9020	2102328	5.98
CNMG321-HS PC9030	2102330	5.98
CNMG321-HS PC8010	2102332	5.98
CNMG322-HS NC9020	2102338	5.98
CNMG322-HS PC9030	2102340	5.98
CNMG431-HS NC3030	2102346	6.76
CNMG431-HS NC9020	2102348	6.76
CNMG431-HS PC9030	2102350	6.76
CNMG431-HS PC8010	2102352	6.76
CNMG432-HS NC3030	2102356	6.76
CNMG432-HS NC9020	2102358	6.76
CNMG432-HS PC9030	2102360	6.76
CNMG432-HS PC8010	2102362	6.76
CNMG433-HS NC9020	2102368	6.76
CNMG433-HS PC9030	2102370	6.76
CNMG433-HS PC8010	2102372	6.76
CNMG543-HS NC9020	2102378	10.53
CNMG543-HS NC9025	2109050	10.53
CNMG543-HS PC9030	2102380	10.53
CNMG543-HS PC8110	2102382	10.53
CNMG544-HS NC9020	2102388	10.53
CNMG544-HS PC9030	2102390	10.53
CNMG544-HS PC8010	2102392	10.53
CNMG643-HS NC9020	2102398	14.04
CNMG643-HS PC9030	2102400	14.04
CNMG643-HS PC8010	2102402	14.04
CNMG644-HS NC9020	2102408	14.04
CNMG644-HS PC9030	2102410	14.04
CNMG644-HS PC8010	2102412	14.04
CNMG644-HS PC8110	2109004	14.04
DNMG332-HS NC9020	2102418	6.89
DNMG332-HS PC9030	2102420	6.89
DNMG332-HS PC8010	2102422	6.89
DNMG431-HS NC9020	2102428	8.32
DNMG431-HS PC9030	2102430	8.32
DNMG431-HS PC8010	2102432	8.32
DNMG432-HS PC8110	2109002	8.32

HS Chipbreaker cont'd

Insert Designation	Code No.	SALE \$
DNMG432-HS NC9020	2102438	8.32
DNMG432-HS PC9030	2102440	8.32
DNMG432-HS PC8010	2102442	8.32
DNMG433-HS NC9020	2102448	8.32
DNMG433-HS PC9030	2102450	8.32
DNMG433-HS PC8010	2102452	8.32
DNMG441-HS NC3120	2102454	9.49
SNMG321-HS NC9020	2102488	5.98
SNMG321-HS PC9030	2102490	5.98
SNMG322-HS NC9020	2102498	5.98
SNMG322-HS PC9030	2102500	5.98
SNMG431-HS NC9020	2102508	6.76
SNMG431-HS PC9030	2102510	6.76
SNMG431-HS PC8010	2102512	6.76
SNMG432-HS NC9020	2102518	6.76
SNMG432-HS PC9030	2102520	6.76
SNMG432-HS PC8010	2102522	6.76
SNMG433-HS NC9020	2102528	6.76
SNMG433-HS PC9030	2102530	6.76
SNMG433-HS PC8010	2102532	6.76
SNMG543-HS NC3120	2102534	10.79
SNMG543-HS NC3030	2102536	10.79
SNMG543-HS NC9020	2102538	10.79
SNMG543-HS PC9030	2102540	10.79
SNMG543-HS PC8010	2102542	10.79
SNMG544-HS NC9020	2102548	10.79
SNMG544-HS PC9030	2102550	10.79
SNMG643-HS NC9020	2102558	14.04
SNMG643-HS PC9030	2102560	14.04
SNMG643-HS PC8010	2102562	14.04
SNMG644-HS NC9020	2102564	14.04
SNMG644-HS PC9030	2102570	14.04
SNMG644-HS PC8010	2102572	14.04
TNMG331-HS NC9020	2102578	5.92
TNMG331-HS PC9030	2102580	5.92
TNMG331-HS PC8010	2102582	5.92
TNMG332-HS NC3120	2102584	5.92
TNMG332-HS NC9020	2102588	5.92
TNMG332-HS PC9030	2102590	5.92
TNMG332-HS PC8010	2102592	5.92
TNMG333-HS NC9020	2102598	5.92
TNMG333-HS PC9030	2102600	5.92
TNMG432-HS NC9020	2102608	8.39
TNMG432-HS PC9030	2102610	8.39
TNMG432-HS PC8110	2102612	8.39
TNMG432-HS PC8110	2109013	8.39
TNMG433-HS NC9020	2102618	8.39
TNMG433-HS PC9030	2102620	8.39
VNMG331-HS PC9030	2102630	8.58
VNMG331-HS PC8110	2102632	8.58
VNMG332-HS NC9020	2102638	8.58
VNMG332-HS PC9030	2102640	8.58
VNMG332-HS PC8010	2102642	8.58
WNMG331-HS NC9020	2102648	5.66
WNMG331-HS PC9030	2102650	5.66
WNMG331-HS PC8010	2102652	5.66
WNMG332-HS NC9020	2102658	5.66
WNMG332-HS PC9030	2102660	5.66
WNMG332-HS PC8010	2102662	5.66
WNMG333-HS NC9020	2102668	5.66
WNMG333-HS PC9030	2102670	5.66
WNMG431-HS NC3030	2102676	7.15
WNMG431-HS NC9020	2102678	7.15
WNMG431-HS PC9030	2102680	7.15
WNMG431-HS PC8010	2102682	7.15
WNMG432-HS NC3030	2102686	7.15
WNMG432-HS PC8110	2108989	7.15
WNMG432-HS NC9020	2102688	7.15
WNMG432-HS PC9030	2102690	7.15
WNMG433-HS PC8110	2108990	7.15
WNMG433-HS NC9020	2102698	7.15
WNMG433-HS PC9030	2102700	7.15
WNMG433-HS CX282S	2109020	9.82

LW Chipbreaker

Insert Designation	Code No.	SALE \$
CNMG432-LW NC3010	2101558	7.80
CNMG432-LW NC3120	2101560	7.80
CNMG432-LW NC3030	2101562	7.80
CNMG432-LW NC6110	2101564	7.80
CNMG433-LW NC3010	2101566	7.80
CNMG433-LW NC3120	2101568	7.80
CNMG433-LW NC6110	2101572	7.80
DNMG432-LW NC3010	2101574	9.49
DNMG433-LW NC3030	2101586	9.49
TNMG332-LW NC3010	2101590	6.76
TNMG332-LW NC3120	2101592	6.76
WNMG432-LW NC3010	2101598	8.19
WNMG432-LW NC3120	2101600	8.19

VF Chipbreaker

Insert Designation	Code No.	SALE \$
CNMG321-VF NC3010	2100868	5.98
CNMG321-VF NC3120	2100870	5.98
CNMG322-VF NC3010	2100874	5.98
CNMG322-VF NC3120	2100876	5.98
CNMG431-VF NC3010	2100880	6.76
CNMG431-VF NC3120	2100882	6.76
CNMG432-VF NC3010	2100886	6.76
CNMG432-VF NC3120	2100888	6.76
CNMG433-VF NC3120	2100894	6.76
DNMG330.5-VF CN2000	2109167	5.59
DNMG331-VF NC3120	2100900	6.89
DNMG431-VF NC3120	2100912	8.32
DNMG432-VF NC3120	2100918	8.32
SNMG321-VF NC3120	2100924	5.98
SNMG431-VF NC3120	2100930	6.76
SNMG432-VF NC3010	2100934	6.76
SNMG432-VF NC3120	2100936	6.76
TNMG331-VF NC3120	2100948	5.92
TNMG332-VF NC3010	2100952	5.92
TNMG332-VF NC3120	2100954	5.92
TNMG333-VF NC3120	2100960	5.92
TNMG431-VF NC3120	2100966	8.39
TNMG432-VF NC3120	2100972	8.39
VNMG330.5-VF NC3120	2100978	8.58
VNMG331-VF NC3120	2100984	8.58
VNMG332-VF NC3120	2100990	8.58
WNMG331-VF NC3010	2100994	5.66
WNMG331-VF NC3120	2100996	5.66
WNMG332-VF NC3010	2101000	5.66
WNMG332-VF NC3120	2101002	5.66
WNMG431-VF NC3010	2101006	7.15
WNMG431-VF NC3120	2101008	7.15
WNMG432-VF NC3010	2101012	7.15
WNMG432-VF NC3120	2101014	7.15

VG Chipbreaker

Insert Designation	Code No.	SALE \$
CNMG431-VG CN1000	2101206	5.33
CNMG431-VG CN2000	2101208	5.33
CNMG432-VG CN1000	2101212	5.33
DNMG431-VG CN1000	2101230	6.50
DNMG431-VG CN2000	2101232	6.50
DNMG432-VG CN1000	2101236	6.50
DNMG432-VG CN2000	2101238	6.50
SNMG431-VG CN1000	2101254	5.33
SNMG432-VG CN1000	2101260	5.33
TNMG331-VG CN1000	2101272	4.68
TNMG332-VG CN1000	2101278	4.68
TNMG332-VG CN2000	2101280	4.68
VNMG331-VG CN1000	2101290	6.70
VNMG331-VG CN2000	2101292	6.70
VNMG332-VG CN1000	2101296	6.70
VNMG332-VG CN2000	2101298	6.70
WNMG431-VG CN1000	2101314	5.53
WNMG432-VG CN1000	2101320	5.53

VM Chipbreaker

Insert Designation	Code No.	SALE \$
CNMG321-VM NC3120	2107914	5.98
CNMG321-VM NC3030	2107916	5.98
CNMG322-VM NC3120	2107930	5.98
CNMG322-VM NC3030	2107932	5.98
CNMG431-VM NC3120	2107946	6.76
CNMG431-VM NC3030	2107948	6.76
CNMG431-VM NC6110	2107950	6.76
CNMG431-VM PC9030	2107954	6.76
CNMG432-VM NC3010	2107960	6.76
CNMG432-VM NC3120	2107962	6.76
CNMG432-VM NC3030	2107964	6.76
CNMG432-VM NC6110	2107966	6.76
CNMG432-VM NC9020	2107968	6.76
CNMG432-VM PC9030	2107970	6.76
CNMG432-VM PC8110	2107972	6.76
CNMG433-VM NC3010	2107976	6.76
CNMG433-VM NC3030	2107980	6.76
CNMG433-VM NC6110	2107982	6.76
CNMG433-VM PC8010	2107988	6.76
CNMG542-VM NC3120	2107994	10.53
CNMG542-VM NC3030	2107996	10.53
CNMG543-VM NC3120	2108010	10.53
CNMG543-VM NC3010	2100507	10.53
CNMG543-VM NC3030	2108012	10.53
CNMG643-VM NC3010	2108038	14.04
CNMG643-VM NC3120	2108040	14.04
CNMG643-VM NC3030	2108042	14.04
DNMG331-VM NC3010	2108054	6.89
DNMG331-VM NC3120	2108056	6.89
DNMG331-VM NC3030	2108058	6.89
DNMG331-VM NC6110	2108060	6.89
DNMG332-VM NC3010	2108070	6.89
DNMG332-VM NC3120	2108072	6.89
DNMG332-VM NC3030	2108074	6.89
DNMG332-VM NC6110	2108076	6.89
DNMG333-VM NC3010	2108086	6.89
DNMG333-VM NC3120	2108088	6.89
DNMG431-VM NC3010	2108102	8.32
DNMG431-VM NC3120	2108104	8.32
DNMG431-VM NC3030	2108106	8.32
DNMG431-VM NC6110	2108108	8.32
DNMG431-VM NC9020	2108110	8.32
DNMG432-VM NC3120	2108120	8.32
DNMG432-VM NC3030	2108122	8.32
DNMG432-VM NC6110	2108124	8.32
DNMG432-VM NC9020	2108126	8.32
DNMG432-VM PC8010	2108130	8.32

VM Chipbreaker

Insert Designation	Code No.	SALE \$
SNMG322-VM NC3010	2108200	5.98
SNMG322-VM NC3120	2108202	5.98
SNMG431-VM NC3010	2108216	6.76
SNMG431-VM NC3120	2108218	6.76
SNMG431-VM NC6110	2108222	6.76
SNMG432-VM NC3010	2108232	6.76
SNMG432-VM NC3030	2108236	6.76
SNMG432-VM NC6110	2108238	6.76
SNMG432-VM PC9030	2108242	6.76
SNMG432-VM PC8010	2108244	6.76
SNMG433-VM NC3120	2108250	6.76
SNMG433-VM NC3030	2108252	6.76
SNMG433-VM NC6110	2108254	6.76
TNMG222-VM NC6110	2108286	4.88
TNMG331-VM NC3010	2108296	5.92
TNMG331-VM NC3120	2108298	5.92
TNMG331-VM NC3030	2108300	5.92
TNMG331-VM NC6110	2108302	5.92
TNMG331-VM NC9020	2108304	5.92
TNMG331-VM PC9030	2108306	5.92
TNMG331-VM CN2000	2108310	4.68
TNMG332-VM NC3010	2108312	5.92
TNMG332-VM NC3120	2108314	5.92
TNMG332-VM NC3030	2108316	5.92
TNMG332-VM NC6110	2108318	5.92
TNMG332-VM PC9030	2108322	5.92
TNMG332-VM CN2000	2108326	4.68
TNMG333-VM NC3030	2108332	5.92
TNMG333-VM NC9020	2108336	5.92
TNMG333-VM CN2000	2108342	4.68
TNMG431-VM NC3120	2108346	8.39
TNMG431-VM NC3030	2108348	8.39
TNMG431-VM NC9020	2108352	8.39
TNMG432-VM NC3010	2108360	8.39
TNMG432-VM NC3120	2108362	8.39
TNMG432-VM NC3030	2108364	8.39
TNMG433-VM NC3010	2108376	8.39
TNMG433-VM NC3120	2108378	8.39
TNMG433-VM NC3030	2108380	8.39
TNMG433-VM NC6110	2108382	8.39
VNMG331-VM NC3010	2108392	8.58
VNMG331-VM NC3120	2108394	8.58
VNMG331-VM NC3030	2108396	8.58
VNMG332-VM NC3010	2108408	8.58
VNMG332-VM NC3120	2108410	8.58
VNMG332-VM NC3030	2108412	8.58
VNMG332-VM CN2000	2108422	6.70
VNMG333-VM NC3120	2108426	8.58
WNMG331-VM NC3120	2108474	7.15
WNMG331-VM NC3030	2108476	7.15
WNMG332-VM NC3010	2108488	5.66
WNMG332-VM NC3030	2108492	5.66
WNMG332-VM NC6110	2108494	5.66
WNMG333-VM NC3120	2108506	5.66
WNMG431-VM NC3010	2108520	7.15
WNMG431-VM NC3120	2108522	7.15
WNMG431-VM NC3030	2108524	7.15
WNMG432-VM NC3120	2108538	7.15
WNMG432-VM NC3030	2108540	7.15
WNMG432-VM NC6110	2108542	7.15
WNMG432-VM NC9020	2108544	7.15
WNMG432-VM PC9030	2108546	7.15
WNMG432-VM PC8010	2108548	7.15
WNMG433-VM NC3120	2108554	7.15
WNMG433-VM NC3030	2108556	7.15
WNMG433-VM NC6110	2108558	7.15

VQ Chipbreaker

Insert Designation	Code No.	SALE \$
CNMG321-VQ CN1000	2101874	4.68
CNMG321-VQ CN2000	2101876	4.68
CNMG322-VQ CN1000	2101880	4.68
CNMG431-VQ CN1000	2101886	5.33
CNMG431-VQ CN2000	2101888	5.33
CNMG431-VQ CN115	2101890	5.33
CNMG432-VQ CN1000	2101892	5.33
CNMG432-VQ CN2000	2101894	5.33
CNMG432-VQ CN115	2101896	5.33
DNMG331-VQ CN1000	2101898	5.46
DNMG331-VQ CN2000	2101900	5.46
DNMG331-VQ CN115	2101902	5.46
DNMG332-VQ CN1000	2101904	5.46
DNMG431-VQ CN1000	2101910	6.50
DNMG431-VQ CN2000	2101912	6.50
DNMG432-VQ CN1000	2101916	6.50
DNMG432-VQ CN2000	2101918	6.50
SNMG431-VQ CN1000	2101934	5.33
SNMG431-VQ CN2000	2101936	5.33
SNMG432-VQ CN1000	2101940	5.33
SNMG432-VQ CN2000	2101942	5.33
TNMG331-VQ CN1000	2101952	4.68
TNMG331-VQ CN2000	2101954	4.68
TNMG331-VQ CN115	2101956	4.68
TNMG332-VQ CN1000	2101958	4.68
TNMG332-VQ CN2000	2101960	4.68
TNMG332-VQ CN115	2101962	4.68
VNMG331-VQ CN1000	2101970	6.70
VNMG331-VQ CN2000	2101972	6.70
VNMG332-VQ CN1000	2101976	6.70
VNMG332-VQ CN2000	2101978	6.70
WNMG331-VQ CN1000	2101982	4.42
WNMG331-VQ CN2000	2101984	4.42
WNMG332-VQ CN2000	2109055	4.42
WNMG431-VQ CN1000	2101994	5.53
WNMG431-VQ CN2000	2101996	5.53
WNMG432-VQ CN1000	2102000	5.53
WNMG432-VQ CN2000	2102001	5.53

VT Chipbreaker

Insert Designation	Code No.	SALE \$
SNMM866-VT CX269	2109017	28.86
SNMM866-VT NC500H	2101162	28.86
SNMM866-VT CX269	2101163	28.86
SNMM866-VT NC3010	2109019	28.86

VW Chipbreaker

Insert Designation	Code No.	SALE \$
CNMG431-VW NC3010	2101606	7.80
CNMG431-VW NC3120	2101608	7.80
CNMG432-VW NC3010	2101614	7.80
CNMG432-VW NC3120	2101616	7.80
CNMG432-VW NC6110	2101620	7.80
DNMG432-VW NC3030	2101626	9.49
TNMG332-VW NC3010	2101630	6.76
TNMG332-VW NC3120	2101632	6.76
WNMG431-VW NC3010	2101638	8.19
WNMG431-VW NC3120	2101640	8.19
WNMG432-VW NC3010	2101646	8.19
WNMG432-VW NC3120	2101648	8.19

Misc. Chipbreakers

Insert Designation	Code No.	SALE \$
CNMG642-GM NC3120	2106916	14.04
DNMM442-HH NC3030	2109170	9.04
SNMM866-HH NC3020	2101161	28.86
CNMG643-HM NC3120	2106915	14.04
WNMG432-HM NC3030	2100557	7.15
KNUX160405R-11 NC3010	2101358	10.79
KNUX160405R-11 NC3030	2101362	10.79
KNUX160405R-11 NC6110	2101364	10.79
KNUX160405R-11 NC9020	2101366	10.79
KNUX160405R-11 PC9030	2101368	10.79
KNUX160405R-11 NC500H	2101370	10.79
KNUX160410R-11 NC3010	2101372	10.79
KNUX160410R-11 NC3120	2101374	10.79
KNUX160410R-11 NC3030	2101376	10.79
KNUX160410R-11 NC6110	2101378	10.79
KNUX160410R-11 NC9020	2101380	10.79
KNUX160405L-11 NC3010	2101386	10.79
KNUX160405L-11 NC3120	2101388	10.79
KNUX160405L-11 NC3030	2101390	10.79
KNUX160410L-11 NC3010	2101400	10.79
KNUX160410L-11 NC3030	2101404	10.79
KNUX160410L-11 NC6110	2101406	10.79
KNUX160410L-11 NC9020	2101408	10.79
SNEX1206ANN-W PC3500	2109037	14.30
SNMM866-X38 NC9025	2109032	28.86
SNMM866D-X38 NC3030	2109033	28.86
SNMX1206ANN-MM PC3545	2109024	14.50
SNMX1206ANN-MM PC5300	2109025	14.50
WNMG433-VP3 PC8110	2100513	7.15
TNMX431-R NC3120	2109141	5.40

Positive Insert No Chipbreaker

Insert Designation	Code No.	SALE \$
VBMT331 NC3010	2101414	10.34
VBMT331 NC3030	2101418	10.34
VBMT331 NC9020	2101420	10.34
VBMT331 PC9030	2101422	10.34
VBMT331 PC8010	2101424	10.34
VBMT331 NC6110	2101426	10.34
VBMT331 NC315K	2101428	10.34
VBMT332 NC3010	2101430	10.34
VBMT332 NC3120	2101432	10.34
VBMT332 NC3030	2101434	10.34
VBMT332 NC9020	2101436	10.34
VBMT332 PC9030	2101438	10.34
VBMT332 PC8010	2101440	10.34
VBMT332 NC6110	2101442	10.34
VBMT332 NC315K	2101444	10.34

AR Chipbreaker

Insert Designation	Code No.	SALE \$
RCGT1204M0-AR H01	2108608	12.87
SCGT32.51-AR H01	2108610	9.62
SCGT32.52-AR H01	2108612	9.62
SCGT431-AR H01	2108614	10.66
TCGT21.50.5-AR H01	2108622	8.06
TCGT21.51-AR H01	2108624	8.06
TCGT21.52-AR H01	2108626	8.06
TCGT32.50.5-AR H01	2108628	10.14
TCGT32.51-AR H01	2108630	10.14
TCGT32.52-AR H01	2108632	10.14
TCGT32.53-AR H01	2108634	10.14
TCGT32.54-AR H01	2108636	10.14
VBGT220.5-AR H01	2108640	9.69
VBGT221-AR H01	2108642	9.69
VBGT331-AR H01	2108648	11.05
VBGT332-AR H01	2108650	11.05
VCGT220.5-AR H01	2108656	9.69
VCGT221-AR H01	2108658	9.69
VCGT222-AR H01	2108660	9.69
VCGT2.520.5-AR H01	2108662	9.95
VCGT2.521-AR H01	2108664	9.95
VCGT2.522-AR H01	2108666	9.95
VCGT330.5-AR H01	2108668	11.05
VCGT331-AR H01	2108670	11.05
VCGT332-AR H01	2108672	11.05
VCGT333-AR H01	2108674	11.05

C05 Chipbreaker

Insert Designation	Code No.	SALE \$
CPGT2.51.51-C05 NC3120	2108988	8.32
CPGT2.51.52-C05 NC3120	2100527	8.45
TPGT221-C05 NC3020	2109156	9.75
TPGT331-C05 NC3120	2100503	13.00

C25 Chipbreaker

Insert Designation	Code No.	SALE \$
CCMT21.50.5-C25 NC3010	2107466	6.05
CCMT21.50.5-C25 NC3030	2107468	6.05
CCMT21.50.5-C25 PC8010	2107474	6.05
CCMT21.50.5-C25 NC315K	2107480	6.05
CCMT21.51-C25 NC3010	2107482	6.05
CCMT21.51-C25 NC3030	2107486	6.05
CCMT21.51-C25 NC9020	2107488	6.05
CCMT21.51-C25 PC9030	2107490	6.05
CCMT21.51-C25 PC8010	2107492	6.05
CCMT21.51-C25 NC305K	2107494	6.05
CCMT21.51-C25 NC6110	2107496	6.05
CCMT21.51-C25 NC315K	2107498	6.05

C25 Chipbreaker cont'd

Insert Designation	Code No.	SALE \$
CCMT21.52-C25 NC3010	2107500	6.05
CCMT21.52-C25 NC3120	2107502	6.05
CCMT21.52-C25 NC3030	2107504	6.05
CCMT21.52-C25 NC6110	2107514	6.05
CCMT21.52-C25 NC315K	2107516	6.05
CCMT2.522-C25 NC3120	2107520	6.11
CCMT2.522-C25 NC3030	2107522	6.11
CCMT32.51-C25 NC3010	2107536	6.24
CCMT32.51-C25 NC3120	2107538	6.24
CCMT32.51-C25 NC3030	2107540	6.24
CCMT32.51-C25 NC9020	2107542	6.24
CCMT32.51-C25 PC9030	2107544	6.24
CCMT32.51-C25 NC305K	2107548	6.24
CCMT32.51-C25 NC6110	2107550	6.24
CCMT32.51-C25 NC315K	2107552	6.24
CCMT32.52-C25 NC3010	2107554	6.24
CCMT32.52-C25 NC3120	2107556	6.24
CCMT32.52-C25 NC3030	2107558	6.24
CCMT32.52-C25 NC9020	2107560	6.24
CCMT32.52-C25 PC9030	2107562	6.24
CCMT32.52-C25 PC8010	2107564	6.24
CCMT32.52-C25 NC305K	2107566	6.24
CCMT32.52-C25 NC6110	2107568	6.24
CCMT32.52-C25 NC315K	2107570	6.24
CCMT32.52-C25 CT10	2109154	5.07
CCMT431-C25 NC3010	2107572	8.26
CCMT431-C25 NC3030	2107576	8.26
CCMT431-C25 NC9020	2107578	8.26
CCMT431-C25 PC9030	2107580	8.26
CCMT431-C25 PC8010	2107582	8.26
CCMT431-C25 NC305K	2107584	8.26
CCMT431-C25 NC6110	2107586	8.26
CCMT431-C25 NC315K	2107588	8.26
CCMT432-C25 NC3010	2107590	8.26
CCMT432-C25 NC3030	2107594	8.26
CCMT432-C25 NC9020	2107596	8.26
CCMT432-C25 PC9030	2107598	8.26
CCMT432-C25 PC8010	2107600	8.26
CCMT432-C25 NC305K	2107602	8.26
CCMT432-C25 NC6110	2107604	8.26
CCMT432-C25 NC315K	2107606	8.26
CCMT433-C25 NC3010	2107608	8.26
CCMT433-C25 NC3120	2107610	8.26
CCMT433-C25 NC3030	2107612	8.26
CCMT433-C25 NC6110	2107620	8.26
CCMT433-C25 NC315K	2107622	8.26
DCMT21.50.5-C25 NC3030	2107628	6.96
DCMT21.50.5-C25 PC9030	2107632	6.96
DCMT21.50.5-C25 PC8010	2107634	6.96
DCMT21.51-C25 NC3010	2107642	6.96
DCMT21.51-C25 NC3120	2107644	6.96
DCMT21.51-C25 NC3030	2107646	6.96
DCMT21.51-C25 NC9020	2107648	6.96
DCMT21.51-C25 PC9030	2107650	6.96
DCMT21.51-C25 PC8010	2107652	6.96
DCMT21.51-C25 NC305K	2107654	6.96
DCMT21.51-C25 NC6110	2107656	6.96
DCMT21.51-C25 NC315K	2107658	6.96
DCMT21.52-C25 NC3120	2107662	6.96
DCMT21.52-C25 NC3030	2107664	6.96
DCMT21.52-C25 NC6110	2107674	6.96
DCMT21.52-C25 NC315K	2107676	6.96
DCMT32.50.5-C25 NC9020	2107684	7.74
DCMT32.50.5-C25 PC9030	2107686	7.74
DCMT32.50.5-C25 PC8010	2107688	7.74
DCMT32.51-C25 NC3010	2107696	7.74
DCMT32.51-C25 NC3120	2107698	7.74
DCMT32.51-C25 NC3030	2107700	7.74
DCMT32.51-C25 NC9020	2107702	7.74
DCMT32.51-C25 PC9030	2107704	7.74
DCMT32.51-C25 PC8010	2107706	7.74
DCMT32.51-C25 NC305K	2107708	7.74
DCMT32.51-C25 NC6110	2107710	7.74
DCMT32.51-C25 NC315K	2107712	7.74

C25 Chipbreaker cont'd

Insert Designation	Code No.	SALE \$
DCMT32.52-C25 NC3010	2107714	7.74
DCMT32.52-C25 NC3120	2107716	7.74
DCMT32.52-C25 NC3030	2107718	7.74
DCMT32.52-C25 NC9020	2107720	7.74
DCMT32.52-C25 PC9030	2107722	7.74
DCMT32.52-C25 PC8010	2107724	7.74
DCMT32.52-C25 NC305K	2107726	7.74
DCMT32.52-C25 NC6110	2107728	7.74
DCMT32.52-C25 NC315K	2107730	7.74
SCMT21.51-C25 NC3120	2107734	6.05
SCMT21.51-C25 NC3030	2107736	6.05
SCMT21.51-C25 NC6110	2107746	6.05
SCMT21.51-C25 NC315K	2107748	6.05
SCMT32.51-C25 NC3010	2107750	6.24
SCMT32.51-C25 NC3120	2107752	6.24
SCMT32.51-C25 NC3030	2107754	6.24
SCMT32.51-C25 NC9020	2107756	6.24
SCMT32.51-C25 PC9030	2107758	6.24
SCMT32.51-C25 PC8010	2107760	6.24
SCMT32.51-C25 NC305K	2107762	6.24
SCMT32.51-C25 NC6110	2107764	6.24
SCMT32.51-C25 NC315K	2107766	6.24
SCMT32.52-C25 NC3010	2107768	6.24
SCMT32.52-C25 NC3120	2107770	6.24
SCMT32.52-C25 NC3030	2107772	6.24
SCMT32.52-C25 NC9020	2107774	6.24
SCMT32.52-C25 PC9030	2107776	6.24
SCMT32.52-C25 NC305K	2107780	6.24
SCMT32.52-C25 NC6110	2107782	6.24
SCMT32.52-C25 NC315K	2107784	6.24
SCMT431-C25 NC3120	2107788	8.26
SCMT431-C25 NC3030	2107790	8.26
SCMT431-C25 PC9030	2107794	8.26
SCMT431-C25 NC315K	2107802	8.26
SCMT432-C25 NC3010	2107804	8.26
SCMT432-C25 NC9020	2107810	8.26
SCMT432-C25 PC9030	2107812	8.26
SCMT432-C25 NC305K	2107816	8.26
SCMT432-C25 NC6110	2107818	8.26
SCMT432-C25 NC315K	2107820	8.26
TCMT21.50.5-C25 NC3120	2107824	5.92
TCMT21.51-C25 NC3010	2107840	5.92
TCMT21.51-C25 NC3120	2107841	5.92
TCMT21.51-C25 NC3030	2107844	5.92
TCMT21.51-C25 NC9020	2107846	5.92
TCMT21.51-C25 PC9030	2107848	5.92
TCMT21.51-C25 PC8010	2107850	5.92
TCMT21.51-C25 NC305K	2107852	5.92
TCMT21.51-C25 NC6110	2107854	5.92
TCMT21.52-C25 NC315K	2107856	5.92
TCMT21.51-C25 NC3010	2107858	5.92
TCMT21.52-C25 NC3030	2107862	5.92
TCMT21.52-C25 NC9020	2107864	5.92
TCMT21.52-C25 PC9030	2107866	5.92
TCMT21.52-C25 PC8010	2107868	5.92
TCMT21.52-C25 NC6110	2107872	5.92
TCMT32.51-C25 NC3010	2107876	7.15
TCMT32.51-C25 NC3120	2107878	7.15
TCMT32.51-C25 NC3030	2107880	7.15
TCMT32.51 C25 NC9020	2107882	7.15
TCMT32.51 C25 PC9030	2107884	7.15
TCMT32.51-C25 PC8010	2107886	7.15
TCMT32.51-C25 NC305K	2107888	7.15
TCMT32.51-C25 NC6110	2107890	7.15
TCMT32.51-C25 NC315K	2107892	7.15
TCMT32.52-C25 NC3010	2107894	7.15
TCMT32.52-C25 NC3120	2107896	7.15
TCMT32.52-C25 NC3030	2107898	7.15
TCMT32.52-C25 NC9020	2107900	7.15
TCMT32.52-C25 PC9030	2107902	7.15
TCMT32.52-C25 PC8010	2107904	7.15
TCMT32.52-C25 NC305K	2107906	7.15
TCMT32.52-C25 NC6110	2107908	7.15
TCMT32.52-C25 NC315K	2107910	7.15

HFP Chipbreaker

Insert Designation	Code No.	SALE \$
CCGT21.50.5-HFP NC3120	2104428	9.04
CCGT21.52-HFP NC3120	2104464	9.04
CCGT32.50.5-HFP NC3120	2104482	10.66
CCGT32.50.5-HFP NC9020	2104486	10.66
CCGT32.50.5-HFP PC9030	2104488	10.66
CCGT32.50.5-HFP PC8010	2104490	10.66
CCGT32.51-HFP NC3010	2104498	10.66
CCGT32.51-HFP NC3120	2104500	10.66
CCGT32.51-HFP NC3030	2104502	10.66
CCGT32.51-HFP PC9030	2104506	10.66
CCGT32.52-HFP NC3010	2104514	10.66
CCGT32.52-HFP NC3120	2104516	10.66
CCGT32.52-HFP PC9030	2104522	10.66
CCGT32.52-HFP PC8010	2104524	10.66
CCMT21.50.5-HFP NC3010	2104280	6.05
CCMT21.50.5-HFP NC3120	2104282	6.05
CCMT21.51-HFP NC3120	2104302	6.05
CCMT32.50.5-HFP NC3120	2104338	6.24
CCMT32.51-HFP NC3010	2104354	6.24
CCMT32.51-HFP NC3120	2104356	6.24
CCMT32.51-HFP NC3030	2104358	6.24
CCMT431-HFP NC3120	2104392	8.26
DCGT21.51-HFP NC3120	2104698	9.04
DCGT32.51-HFP NC3120	2104752	10.66
DCGT32.52-HFP NC3010	2104768	10.66
DCGT32.52-HFP NC3120	2104770	10.66
DCMT21.50.5-HFP NC3010	2104570	6.96
DCMT21.50.5-HFP NC3120	2104572	6.96
DCMT21.51-HFP NC3010	2104608	6.96
DCMT21.51-HFP NC3120	2104610	6.96
DCMT32.50.5-HFP NC3010	2104644	7.74
DCMT32.50.5-HFP NC3120	2104646	7.74
DCMT32.51-HFP NC3010	2104662	7.74
DCMT32.51-HFP NC3120	2104664	7.74
SCGT32.51-HFP NC3010	2104814	11.12
SCGT32.51-HFP NC3120	2104816	11.12
SCGT32.51-HFP NC3030	2104818	11.12
SCMT32.51-HFP NC3010	2104786	6.24
TCGT32.51-HFP NC3120	2104942	10.66
TCMT21.50.5-HFP NC3120	2104832	5.92
TCMT21.51-HFP NC3120	2104852	5.92
TCMT32.51-HFP NC3120	2104888	7.15
TCMT32.52-HFP NC3120	2109136	6.76
VCGT220.5-HFP NC3030	2105052	11.25
VCGT220.5-HFP NC9020	2105054	11.25
VCGT220.5-HFP PC9030	2105056	11.25
VCGT220.5-HFP PC8010	2105058	11.25
VCGT221-HFP NC3120	2105068	11.25
VCGT221-HFP NC9020	2105072	11.25
VCGT221-HFP PC9030	2105074	11.25
VCGT221-HFP PC8010	2105076	11.25
VCGT331-HFP NC3120	2105104	12.68
VCGT331-HFP NC3030	2105106	12.68
VCGT331-HFP NC9020	2105108	12.68
VCGT331-HFP PC9030	2105110	12.68
VCGT331-HFP PC8010	2105112	12.68
VCGT332-HFP NC3120	2105122	12.68
VCMT221-HFP NC3030	2104980	9.30
VCMT331-HFP NC3120	2105014	10.34

HMP Chipbreaker

Insert Designation	Code No.	SALE \$
CCMT21.50.5-HMP NC3010	2105138	6.05
CCMT21.50.5-HMP NC3120	2105140	6.05
CCMT21.50.5-HMP NC3030	2105142	6.05
CCMT21.50.5-HMP NC9020	2105144	6.05
CCMT21.50.5-HMP PC9030	2105146	6.05
CCMT21.50.5-HMP PC8110	2105148	6.05
CCMT21.50.5-HMP NC6110	2105152	6.05
CCMT21.50.5-HMP NC315K	2105154	6.05
CCMT21.51-HMP NC3010	2105156	6.05
CCMT21.51-HMP NC3120	2105158	6.05
CCMT21.51-HMP NC3030	2105160	6.05
CCMT21.51-HMP PC9030	2105164	6.05
CCMT21.51-HMP NC305K	2105168	6.05
CCMT21.51-HMP NC6110	2105170	6.05
CCMT21.51-HMP NC315K	2105172	6.05
CCMT21.52-HMP NC3010	2105174	6.05
CCMT21.52-HMP NC3120	2105176	6.05
CCMT21.52-HMP NC3030	2105178	6.05
CCMT21.52-HMP NC9020	2105180	6.05
CCMT21.52-HMP PC9030	2105182	6.05
CCMT21.52-HMP NC305K	2105186	6.05
CCMT21.52-HMP NC6110	2105188	6.05
CCMT21.52-HMP NC315K	2105190	6.05
CCMT32.50.5-HMP NC3010	2105192	6.24
CCMT32.50.5-HMP NC3120	2105194	6.24
CCMT32.50.5-HMP NC3030	2105196	6.24
CCMT32.50.5-HMP NC9020	2105198	6.24
CCMT32.50.5-HMP PC9030	2105200	6.24
CCMT32.50.5-HMP NC6110	2105206	6.24
CCMT32.50.5-HMP CN2000	2109127	4.75
CCMT32.51-HMP NC3010	2105210	6.24
CCMT32.51-HMP NC3030	2105214	6.24
CCMT32.51-HMP NC9020	2105216	6.24
CCMT32.51-HMP PC9030	2105218	6.24
CCMT32.51-HMP PC8010	2105220	6.24
CCMT32.51-HMP NC305K	2105222	6.24
CCMT32.51-HMP NC6110	2105224	6.24
CCMT32.51-HMP NC315K	2105226	6.24
CCMT32.52-HMP NC3120	2105230	6.24
CCMT32.52-HMP NC3030	2105232	6.24
CCMT32.52-HMP NC9020	2105234	6.24
CCMT32.52-HMP PC9030	2105236	6.24
CCMT32.52-HMP PC8010	2105238	6.24
CCMT32.52-HMP NC6110	2105242	6.24
CCMT32.52-HMP NC315K	2105244	6.24
CCMT431-HMP NC3010	2105245	8.26
CCMT431-HMP NC3120	2105246	8.26
CCMT431-HMP NC3030	2105248	8.26
CCMT431-HMP NC9020	2105250	8.26
CCMT431-HMP PC9030	2105254	8.26
CCMT431-HMP PC8010	2105256	8.26
CCMT431-HMP NC305K	2105258	8.26
CCMT431-HMP NC6110	2105260	8.26
CCMT431-HMP NC315K	2105262	8.26
CCMT432-HMP NC3010	2105264	8.26
CCMT432-HMP NC3030	2105268	8.26
CCMT432-HMP NC9020	2105270	8.26
CCMT432-HMP PC9030	2105272	8.26
CCMT432-HMP PC8010	2105274	8.26
CCMT432-HMP NC305K	2105276	8.26
CCMT432-HMP NC6110	2105278	8.26
CCMT432-HMP NC315K	2105280	8.26

HMP Chipbreaker con't

Insert Designation	Code No.	SALE \$
DCMT21.50.5-HMP NC3010	2105282	6.96
DCMT21.50.5-HMP NC3120	2105284	6.96
DCMT21.50.5-HMP NC3030	2105286	6.96
DCMT21.50.5-HMP NC9020	2105288	6.96
DCMT21.50.5-HMP PC9030	2105290	6.96
DCMT21.50.5-HMP PC8010	2105292	6.96
DCMT21.50.5-HMP NC315K	2105298	6.96
DCMT21.51-HMP NC3010	2105300	6.96
DCMT21.51-HMP NC3120	2105302	6.96
DCMT21.51-HMP NC3030	2105304	6.96
DCMT21.51-HMP PC9030	2105308	6.96
DCMT21.51-HMP NC6110	2105314	6.96
DCMT21.51-HMP NC315K	2105316	6.96
DCMT21.51-HMP PC8110	2109137	6.57
DCMT21.52-HMP NC3010	2105318	6.96
DCMT21.52-HMP NC3120	2105320	6.96
DCMT21.52-HMP NC3030	2105322	6.96
DCMT21.52-HMP NC9020	2105324	6.96
DCMT21.52-HMP PC8010	2105328	6.96
DCMT32.50.5-HMP NC3010	2105336	7.74
DCMT32.50.5-HMP NC3120	2105338	7.74
DCMT32.50.5-HMP NC3030	2105340	7.74
DCMT32.50.5-HMP NC9020	2105342	7.74
DCMT32.50.5-HMP PC9030	2105344	7.74
DCMT32.50.5-HMP PC8110	2105346	7.74
DCMT32.50.5-HMP NC6110	2105350	7.74
DCMT32.51-HMP NC3120	2105356	7.74
DCMT32.51-HMP NC3030	2105358	7.74
DCMT32.51-HMP NC9020	2105360	7.74
DCMT32.51-HMP PC9030	2105362	7.74
DCMT32.51-HMP PC8010	2105364	7.74
DCMT32.51-HMP NC305K	2105366	7.74
DCMT32.51-HMP NC6110	2105368	7.74
DCMT32.51-HMP NC315K	2105370	7.74
DCMT32.52-HMP NC3010	2105372	7.74
DCMT32.52-HMP NC3120	2105374	7.74
DCMT32.52-HMP NC3030	2105376	7.74
DCMT32.52-HMP NC9020	2105378	7.74
DCMT32.52-HMP PC9030	2105380	7.74
DCMT32.52-HMP PC8010	2105382	7.74
DCMT32.52-HMP NC305K	2105384	7.74
DCMT32.52-HMP NC6110	2105386	7.74
DCMT32.52-HMP NC315K	2105388	7.74
SCMT32.51-HMP NC3010	2105390	6.24
SCMT32.51-HMP NC3120	2105392	6.24
SCMT32.51-HMP NC3030	2105394	6.24
SCMT32.51-HMP NC9020	2105396	6.24
SCMT32.51-HMP PC9030	2105398	6.24
SCMT32.51-HMP NC6110	2105404	6.24
SCMT32.51-HMP NC315K	2105406	6.24
SCMT32.52-HMP NC3010	2105408	6.24
SCMT32.52-HMP NC3120	2105410	6.24
SCMT32.52-HMP NC3030	2105412	6.24
SCMT32.52-HMP NC9020	2105414	6.24
SCMT32.52-HMP PC9030	2105416	6.24
SCMT32.52-HMP NC305K	2105420	6.24
SCMT32.52-HMP NC6110	2105422	6.24
SCMT32.52-HMP NC315K	2105424	6.24
SCMT32.52-HMP CN2000	2108993	4.88
SCMT431-HMP NC3120	2105428	8.26
SCMT431-HMP NC3030	2105430	8.26
SCMT431-HMP NC9020	2105432	8.26
SCMT432-HMP NC3010	2105444	8.26
SCMT432-HMP NC3120	2105446	8.26
SCMT432-HMP NC3030	2105448	8.26
SCMT432-HMP NC9020	2105450	8.26
SCMT432-HMP NC6110	2105458	8.26
SCMT432-HMP NC315K	2105460	8.26

HMP Chipbreaker con't

Insert Designation	Code No.	SALE \$
TCMT21.51-HMP NC3010	2105480	5.92
TCMT21.51-HMP NC3120	2105482	5.92
TCMT21.51-HMP NC3030	2105484	5.92
TCMT21.51-HMP NC9020	2105486	5.92
TCMT21.51-HMP PC9030	2105488	5.92
TCMT21.51-HMP PC8010	2105490	5.92
TCMT21.51-HMP NC305K	2105492	5.92
TCMT21.51-HMP NC6110	2105494	5.92
TCMT21.51-HMP NC315K	2105496	5.92
TCMT21.52-HMP NC3010	2105498	5.92
TCMT21.52-HMP NC3030	2105502	5.92
TCMT21.52-HMP NC9020	2105504	5.92
TCMT21.51-HMP PC9030	2105506	5.92
TCMT21.52-HMP NC305K	2105510	5.92
TCMT21.52-HMP NC6110	2105512	5.92
TCMT21.52-HMP NC315K	2105514	5.92
TCMT32.51-HMP NC3010	2105516	7.15
TCMT32.51-HMP NC3120	2105518	7.15
TCMT32.51-HMP NC3030	2105520	7.15
TCMT32.51-HMP NC9020	2105522	7.15
TCMT32.51-HMP PC9030	2105526	7.15
TCMT32.51-HMP PC8010	2105528	7.15
TCMT32.51-HMP NC305K	2105530	7.15
TCMT32.51-HMP NC6110	2105532	7.15
TCMT32.51-HMP NC315K	2105534	7.15
TCMT32.52-HMP NC3010	2105536	7.15
TCMT32.52-HMP NC3120	2105538	7.15
TCMT32.52-HMP NC3030	2105540	7.15
TCMT32.52-HMP PC9030	2105544	7.15
TCMT32.52-HMP PC8010	2105546	7.15
TCMT32.52-HMP NC305K	2105548	7.15
TCMT32.52-HMP NC6110	2105550	7.15
TCMT32.52-HMP NC315K	2105552	7.15
VBMT21.51-HMP NC3120	2101448	8.91
VBMT21.51-HMP NC3030	2101450	8.91
VBMT21.52-HMP NC3120	2101464	8.91
VBMT221-HMP NC3010	2101478	9.30
VBMT221-HMP NC3120	2101480	9.30
VBMT222-HMP NC3120	2101496	9.30
VBMT331-HMP NC3010	2101510	10.34
VBMT331-HMP NC3120	2101512	10.34
VBMT331-HMP NC3030	2101514	10.34
VBMT331-HMP NC9020	2101516	10.34
VBMT331-HMP PC8010	2101520	10.34
VBMT331-HMP NC6110	2101522	10.34
VBMT332-HMP NC3010	2101526	10.34
VBMT332-HMP NC3120	2101528	10.34
VBMT332-HMP NC3030	2101530	10.34
VBMT332-HMP NC9020	2101532	10.34
VBMT332-HMP PC9030	2101534	10.34
VBMT332-HMP PC8010	2101536	10.34
VBMT332-HMP NC6110	2101538	10.34
VBMT333-HMP NC3030	2101546	10.34
VBMT333-HMP NC9020	2101548	10.34
VBMT333-HMP PC8010	2101552	10.34
VCMT331-HMP NC3010	2105554	10.34
VCMT331-HMP NC3120	2105556	10.34
VCMT331-HMP NC3030	2105558	10.34
VCMT331-HMP PC8110	2109139	9.82
VCMT331-HMP NC9020	2105560	10.34
VCMT331-HMP PC9030	2105562	10.34
VCMT332-HMP NC3120	2105574	10.34
VCMT332-HMP NC3030	2105576	10.34
VCMT332-HMP NC9020	2105578	10.34
VCMT332-HMP PC9030	2105580	10.34
VCMT332-HMP PC8110	2105582	10.34

Choosing your Insert is as easy as

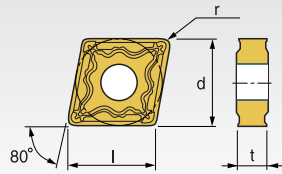
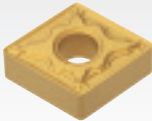
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1

Select Turning Insert Geometry - Page 3

Go to page 3 and select an Insert geometry

CNMG



Designation	ISO	l	d	t	r
CNMG 321	090304	.382	3/8	1/8	1/64
322	090308	.382	3/8	1/8	1/32
331	110404	.457	3/8	3/16	1/64
332	110408	.457	3/8	3/16	1/32
431	120404	.508	1/2	3/16	1/64
432	120408	.508	1/2	3/16	1/32
433	120412	.508	1/2	3/16	3/64
434	120416	.508	1/2	3/16	1/16
542	160608	.634	5/8	1/4	1/32
543	160612	.634	5/8	1/4	3/64
544	160616	.634	5/8	1/4	1/16
642	190608	.760	3/4	1/4	1/32
643	190612	.760	3/4	1/4	3/64
644	190616	.760	3/4	1/4	1/16

2

Select Applicable Chipbreaker - Page 4

Go to page 4 and select a Chipbreaker

HS		0.004-0.016	0.040-0.158	For Medium cutting of Stainless steel • Exclusive design for stainless steel cutting provide longer tool life. • Wear resistance have been reinforced through high rake angle of chip breaker land.
GM		0.004-0.020	0.028-0.158	For Medium to Light cutting • Excellent chip control at general cutting conditions. • Strong cutting edge strength provides good performance at intermittent and fast feed cutting.

3

Select Applicable Grade - Page 7

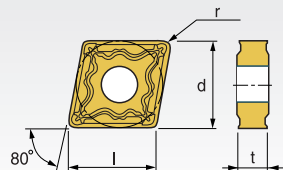
Go to page 7 and select a Grade

Workpiece	P Steel					M Stainless steel				K Cast iron				N Nonferrous			S HRSA				H Hard		
ISO	P01	P10	P20	P30	P40	P50	M10	M20	M30	M40	K01	K10	K20	K30	N10	N20	N30	S01	S10	S20	S30	H01	H1
Coated carbide	NC3010						PC8110				NC6105					MD1000				PC8110			
	NC3020						NC8025				NC6110					PC8110				NC5330			
	NC3120						PC5300				NC315K					PC8110				PC5300			
	NC3030						PC6000				NC5330												
	NC3050						PC6000				NC5330												

1

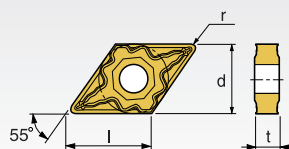
Select Turning Insert Geometry

CNMG



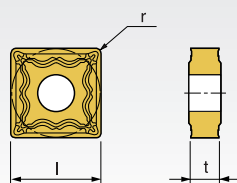
Designation	ISO	l	d	t	r
CNMG 321	090304	.382	3/8	1/8	1/64
322	090308	.382	3/8	1/8	1/32
331	110404	.457	3/8	3/16	1/64
332	110408	.457	3/8	3/16	1/32
431	120404	.508	1/2	3/16	1/64
432	120408	.508	1/2	3/16	1/32
433	120412	.508	1/2	3/16	3/64
434	120416	.508	1/2	3/16	1/16
542	160608	.634	5/8	1/4	1/32
543	160612	.634	5/8	1/4	3/64
544	160616	.634	5/8	1/4	1/16
642	190608	.760	3/4	1/4	1/32
643	190612	.760	3/4	1/4	3/64
644	190616	.760	3/4	1/4	1/16

DNMG



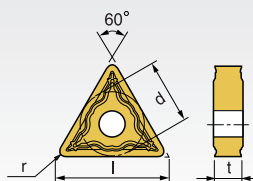
Designation	ISO	l	d	t	r
DNMG 331	110404	.457	3/8	3/16	1/64
332	110408	.457	3/8	3/16	1/32
431	150404	.610	1/2	3/16	1/64
432	150408	.610	1/2	3/16	1/32
433	150412	.610	1/2	3/16	3/64
434	150416	.610	1/2	3/16	1/16
441	150604	.610	5/8	1/4	1/32
442	150608	.610	5/8	1/4	3/64
443	150612	.610	5/8	1/4	1/16

SNMG



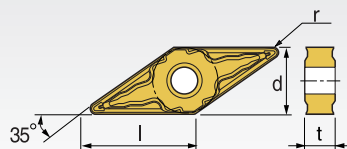
Designation	ISO	l	t	r
SNMG 431	120404	1/2	3/16	1/64
432	120408	1/2	3/16	1/32
433	120412	1/2	3/16	3/64
434	120416	1/2	3/16	1/16
542	150608	5/8	1/4	1/32
543	150612	5/8	1/4	3/64
544	150616	5/8	1/4	1/16
642	190608	3/4	1/4	1/32
643	190612	3/4	1/4	3/64
644	190616	3/4	1/4	1/16
866	250716	1.0	3/8	3/32

TNMG



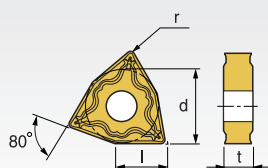
Designation	ISO	l	d	t	r
TNMG 321	160304	.650	3/8	1/8	1/64
322	160308	.650	3/8	1/8	1/32
331	160404	.650	3/8	3/16	1/64
332	160408	.650	3/8	3/16	1/32
431	220404	.886	1/2	3/16	1/64
432	220408	.886	1/2	3/16	1/32
433	220412	.886	1/2	3/16	3/64
434	220416	.886	1/2	3/16	1/16
542	270608	1.083	5/8	1/4	1/32
543	270612	1.083	5/8	1/4	3/64
544	270616	1.083	5/8	1/4	1/16
654	330716	1.299	3/4	5/16	1/16
666	330924	1.299	3/4	3/8	3/32

VNMG



Designation	ISO	l	d	t	r
VNMG 331	160404	.653	3/8	3/16	1/64
332	160408	.653	3/8	3/16	1/32
333	160412	.653	3/8	3/16	3/64
431	220404	.870	1/2	3/16	1/64
432	220408	.870	1/2	3/16	1/32

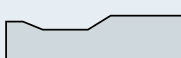
WNMG

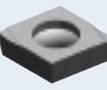
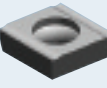


Designation	ISO	l	d	t	r
WNMG 331	060404	.256	3/8	3/16	1/64
332	060408	.256	3/8	3/16	1/32
431	080404	.343	1/2	3/16	1/64
432	080408	.343	1/2	3/16	1/32
433	080412	.343	1/2	3/16	3/64
434	080416	.343	1/2	3/16	1/16
542	100608	.425	5/8	1/4	1/32
543	100612	.425	5/8	1/4	3/64
544	100616	.425	5/8	1/4	1/16

2

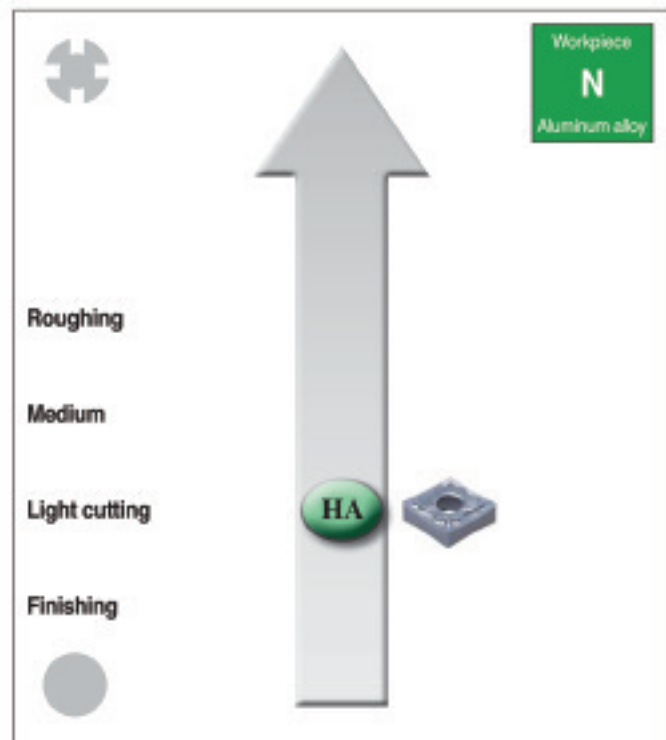
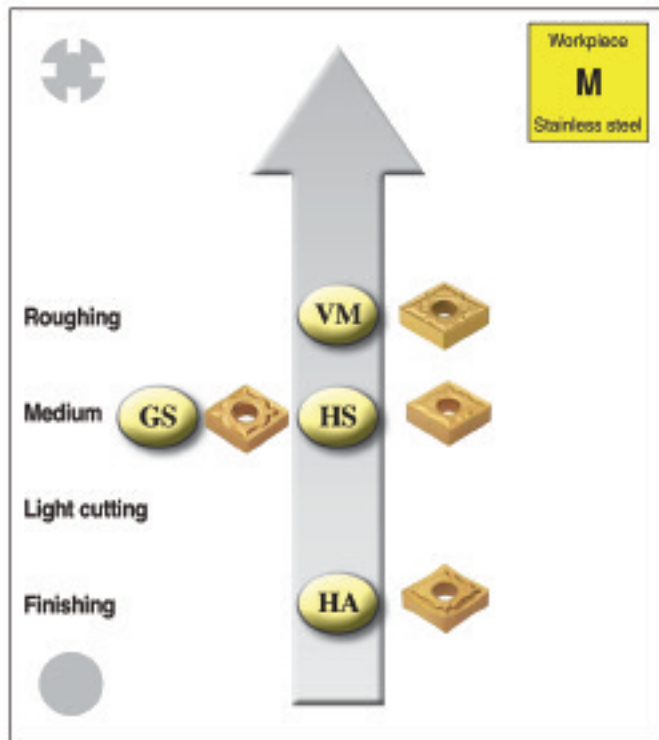
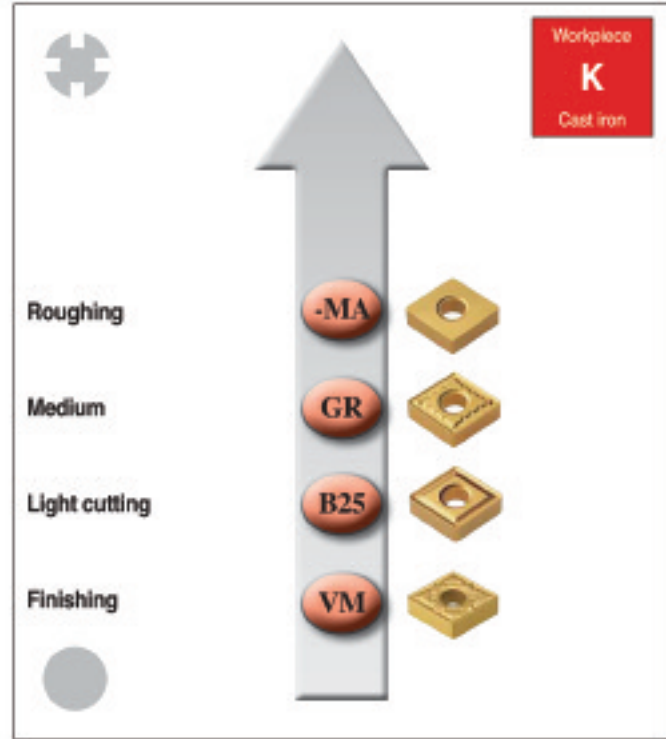
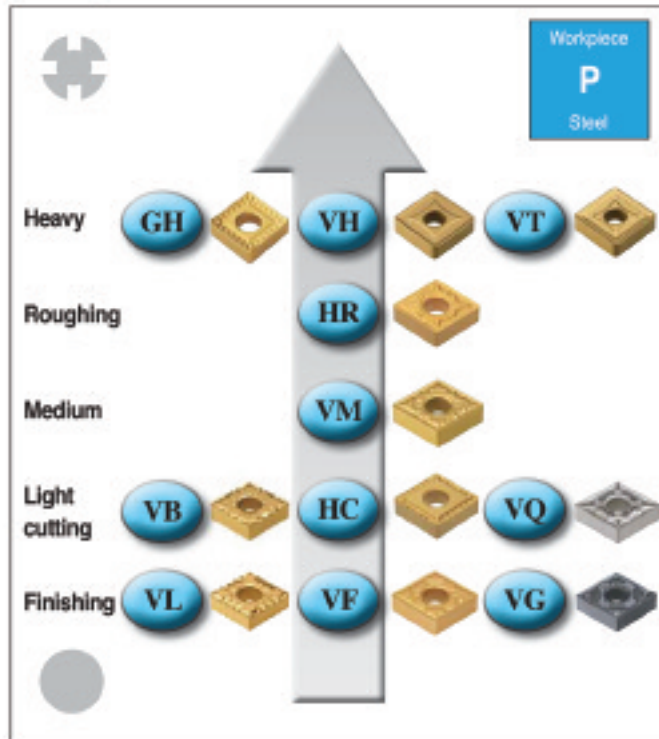
Select Applicable Chipbreaker

Geometry		Cutting edge	Application range																Features		
			feed rate (ipr)																		
			depth of cut (inch)																		
			0.002	0.003	0.004	0.006	0.010	0.016	0.025	0.039	0.063	0.098	0.157	0.248							
			0.004	0.006	0.010	0.016	0.025	0.039	0.063	0.098	0.157	0.248	0.394	0.457	0.512						
V Series	VG							0.004~0.014							0.020~0.100						For finishing - Ensures stable chip flow even at very small depth of cut. - Suitable for copying.
	VQ							0.004~0.016							0.040~0.118						For Medium to Finish Cutting Strong cutting edge makes excellent cutting performance at interrupted cutting.
	VF							0.002~0.014							0.012~0.100						For Finishing - Good chip control quality on varied depth of cut. - Excellent cutting edge strength has been acquired due to the special chip-breaker.
	VW								0.006~0.020						0.020~0.138						For Finishing (Wiper) Improved surface roughness at shallow depth of cut and high feed due to strong cutting edge.
	VM								0.004~0.020						0.040~0.200						For Medium cutting - Wide available chip control range from medium-finishing to medium-roughing. - Suitable chip breaker for CNC machining.
H Series	HU							0.001~0.010						0.004~0.059						For Ultra-fine Finishing, Finishing - Suitable for a machining need fine surface finish and a machining generate low cutting force due to sharp cutting edge design. - Specially designed chip breaker ensure stable chip control at ultra fine finishing condition.	
	HC								0.003~0.016					0.030~0.158						For Medium to Finish Cutting - Excellent for copying of special shape. - Smooth chip control at shallow cut as well as deep depth of cut.	
	HR									0.010~0.026				0.100~0.276						For Roughing - Excellent chip control at deep depth of cut and fast feed rate. - Strong cutting edge makes excellent cutting performance at intermittent cutting.	
	HA								0.004~0.016					0.032~0.140						For Light-alloy, Stainless-steel machining - Sharp cutting edge generates low cutting force. - Specially designed tough main cutting edge. - Suitable for cutting of low carbon steel, stainless steel, aluminum.	
	HS								0.004~0.016					0.040~0.158						For Medium cutting of Stainless steel - Exclusive design for stainless steel cutting provide longer tool life. - Wear resistance have been reinforced through high rake angle of chip breaker land.	
G Series	GM							0.004~0.020					0.028~0.158						For Medium to Light cutting - Excellent chip control at general cutting conditions. - Strong cutting edge strength provides good performance at intermittent and fast feed cutting.		
	GR								0.012~0.032				0.118~0.320						For Medium to Roughing - Suitable for deep depth of cut and high feed cutting of steel and cast iron. - Suitable for intermittent cutting.		

Geometry	Cutting edge	Application range														Features
		feed rate (ipr)														
		0.002	0.003	0.004	0.006	0.010	0.016	0.025	0.039	0.063	0.098	0.157	0.248			
		depth of cut (inch)														
		0.004	0.006	0.010	0.016	0.025	0.039	0.063	0.098	0.157	0.248	0.394	0.457	0.512		
G Series	GH							0.012~0.051				0.118~0.433			For Heavy duty cutting - Suitable for heavy duty cutting due to strong cutting edge. - Wide chip control range with low cutting force.	
	GS					0.006~0.020				0.060~0.217					For Medium to Roughing of Stainless-steel Exclusive chip breaker for stainless steel.	
B Series	B25							0.020~0.040				0.158~0.394			For General cutting Suitable for general cutting condition cutting.	
H-posi Series	HFP					0.002~0.010									For Finishing - Excellent chip control at shallow depth of cut and low feed rate. - Excellent surface finish of work piece due to reduced cutting force. - Suitable for fine boring.	
	HMP					0.002~0.016				0.020~0.140					For Medium cutting - Excellent chip control at wide range of cutting conditions. - Suitable for stainless steel cutting.	
C Series	C25					0.004~0.012				0.040~0.120					For Medium cutting - Suitable for interrupted cutting and cast iron machining. - Good surface finish due to low cutting force. - Suitable for both boring and outer diameter turning.	
AL Series	AK					0.001~0.020									For Aluminum cutting - High rake angle and low resistance cutting edge secures long tool life in continuous cutting of aluminum turning. - High speed of finishing operation.	
	AR					0.002~0.024									For Aluminum cutting - High stability of cutting edge secures great performance in high speed and interrupted machining. - High speed of medium and interrupted operation.	
Auto tool Series	KF					0.004~0.006									For Finishing - Shallow depth of cut with sharp edge. - Longer tool life at high speed cutting due to low cutting force. - Good surface finish.	
	KM					0.004~0.006									For Medium to Finish cutting Improved chip control makes tool life long and better machining.	
Wiper tool Series	LW							0.006~0.024				0.040~0.200			For Medium cutting (Wiper) Guarantees excellent surface roughness and good chip controls at high feed machining.	
	VW							0.006~0.020							For Finishing (Wiper) Improved surface roughness at shallow depth of cut and high feed due to strong cutting edge.	

Applications range of chip breakers

● Negative inserts



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Select Applicable Grade

Workpiece	Steel					M	Stainless steel				K	Cast iron				N	Nonferrous			S	HRSA				H	Hardened	
ISO	P01	P10	P20	P30	P40	P50	M10	M20	M30	M40	K01	K10	K20	K30	N10	N20	N30	S01	S10	S20	S30	H01	H10	H20			
Coated carbide	NC3010						PC8110				NC6105				ND1000				PC8110				PC8110				
		NC3020						NC9025			NC6110				PD1000					NC5330							
		NC3120						PC5300			NC315K									PC5300							
		NC3030						PC9030				NC5330															
		NC5330										PC5300															
		NC500H																									
Cermet	CN1000										CN1000																
		CN2000																									
		CN20																									
cBN / PCD											KB350				DP150								KB320				
											KB360												KB330				
Uncoated carbide	ST05						U10				H02					H01							H01				
	ST10							U20			H01																
		ST15							U40		H05																
		ST20									H10																
			ST30N	ST40							G10																
			ST30		ST46																						
					ST45																						

Application range of turning grades

