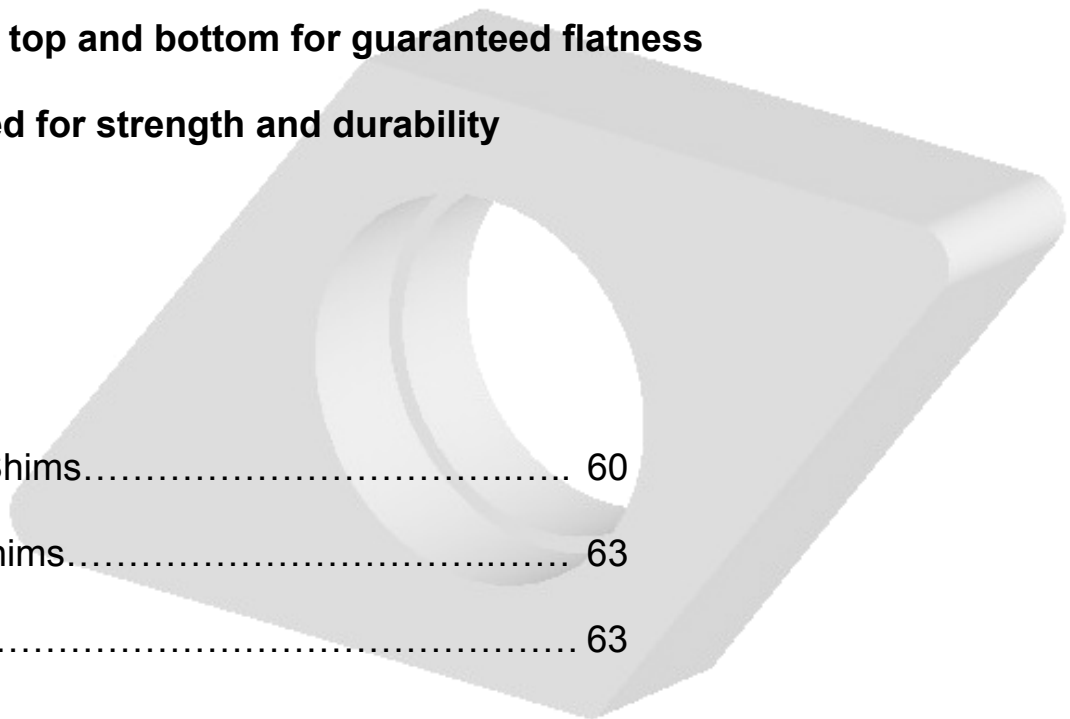


Shims and Chipbreakers for Turning

ISO and ANSI standard styles and sizes

Surface ground top and bottom for guaranteed flatness

Grades designed for strength and durability



Negative Rake Shims.....	60
Positive Rake Shims.....	63
Chipbreakers.....	63



Ask about ANC's line of spare parts and steel products, including toolholders, boring bars, screws, lock pins, and clamps

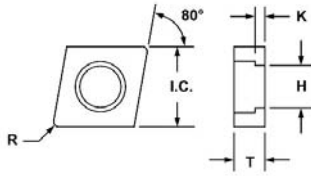


Shims and Chipbreakers

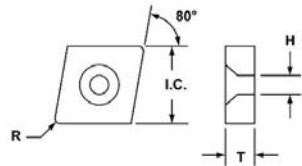
SHIMS

Negative rake ISO and ANSI standard shims

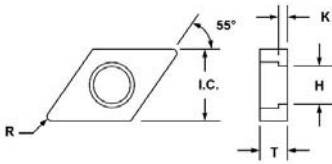
80° Diamond



Part Number	Dimensions (inches)				
	Insert IC	T	R	K	H
CSN 432	1/2	3/16	1/32	.091	.254
CSN 433	1/2	3/16	3/64	.091	.254
ICSN 322	3/8	1/8	1/32	.055	.227
ICSN 422	1/2	1/8	1/32	.055	.289
ICSN 423	1/2	1/8	3/64	.055	.289
ICSN 432	1/2	3/16	1/32	.088	.289
ICSN 433	1/2	3/16	3/64	.088	.289
ICSN 533	5/8	3/16	3/64	.088	.380
ICSN 543	5/8	1/4	3/64	.088	.380
ICSN 633	3/4	3/16	3/64	.096	.443
ICSN 643	3/4	1/4	3/64	.096	.443
ICSN 846	1	1/4	3/32	.122	.580
SCN 43	1/2	3/16	1/32	.039	.255
SCN 54C	5/8	1/4	3/64	.098	.313
SM 303	1/2	3/16	1/32	.090	.266
SM 304	3/4	3/16	3/64	.091	.339
SM 305	3/4	1/4	3/64	.125	.333
SM 319	1	1/4	3/32	.125	.373
SM 385	3/4	1/4	3/64	.154	.339
SM 390	5/8	3/16	3/64	.084	.313
SM 396	1/2	3/16	1/32	-	.128

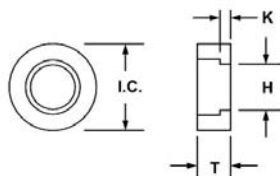


55° Diamond



IDSN 322	3/8	1/8	1/32	.055	.227
IDSN 423	1/2	1/8	3/64	.055	.289
IDSN 432	1/2	3/16	1/32	.088	.289
IDSN 433	1/2	3/16	3/64	.088	.289
IDSN 436	1/2	3/16	3/32	.088	.289
IDSN 443	1/2	1/4	3/64	.088	.289
IDSN 533	5/8	3/16	3/64	.088	.380
IDSN 543	5/8	1/4	3/64	.088	.380
SDNA 43T	1/2	1/8	3/64	.057	.198
SM 306	1/2	3/16	1/32	.090	.253
SM 307	5/8	3/16	3/64	.092	.312
SM 308	5/8	1/4	1/32	.088	.312

Round



IRSN 32	3/8	1/8	-	.055	.227
IRSN 33	3/8	3/16	-	.055	.227
IRSN 42	1/2	1/8	-	.055	.289
IRSN 43	1/2	3/16	-	.055	.289
IRSN 44	1/2	1/4	-	.055	.289
IRSN 53	5/8	3/16	-	.096	.380
IRSN 62	3/4	1/8	-	.065	.443
IRSN 63	3/4	3/16	-	.096	.443
IRSN 84	1	1/4	-	.123	.572
RS 43P	1/2	3/16	-	.084	.289
RS 53P	5/8	3/16	-	.084	.380
RS 63P	3/4	3/16	-	.084	.440
RS 83P	1	3/16	-	.084	.444
RS 104P	1-1/4	1/4	-	.116	.696
RSN 43	1/2	3/16	-	.104	.255
SM 312	1/2	3/16	-	.090	.264
SM 313	5/8	3/16	-	.092	.315

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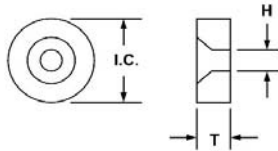
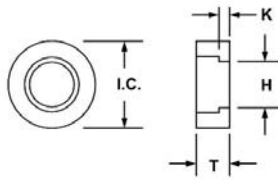
Shims and Chipbreakers

SHIMS

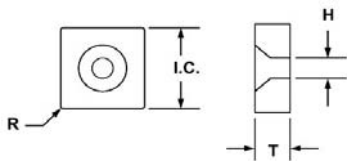
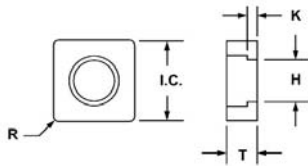
Negative rake ISO and ANSI standard shims

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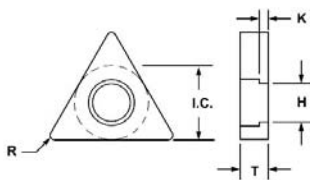
Round



Square



Triangle



continued on next page

Part Number	Dimensions (inches)				
	Insert IC	T	R	K	H
SRN 33	3/8	1/8	-	.045	.188
SRN 33C	3/8	3/16	-	.108	.188
SRN 33CH	3/8	3/16	-	.045	.188
SRN 44	1/2	1/8	-	.045	.255
SRN 44C	1/2	3/16	-	.108	.255
SRN 44CH	1/2	3/16	-	.045	.255
SRN 65	3/4	1/8	-	.082	.380
SRN 65C	3/4	3/16	-	.082	.380
SRN 108	1-1/4	1/4	-	.215	.568
SRN 108C	1-1/4	3/8	-	.215	.568
BR 20-3	5/8	1/8	-	-	.127
RSN 52	5/8	1/8	-	-	.127
SM 45	1/2	1/8	-	-	.130
SM 218	1/2	3/16	-	-	.130
SM 403	1/2	5/16	-	-	.130
SM 404	1/2	1/4	-	-	.130
ISSN 322	3/8	1/8	1/32	.055	.227
ISSN 323	3/8	1/8	3/64	.055	.227
ISSN 332	3/8	3/16	1/32	.055	.227
ISSN 333	3/8	3/16	3/64	.055	.227
ISSN 432	1/2	3/16	1/32	.088	.289
ISSN 433	1/2	3/16	3/64	.088	.289
ISSN 434	1/2	3/16	1/16	.088	.289
ISSN 443	1/2	1/4	3/64	.088	.289
ISSN 533	5/8	3/16	3/64	.088	.380
ISSN 543	5/8	1/4	3/64	.088	.380
ISSN 633	3/4	3/16	3/64	.088	.443
ISSN 634	3/4	3/16	1/16	.088	.443
ISSN 643	3/4	1/4	3/64	.088	.443
ISSN 644	3/4	1/4	1/16	.088	.443
ISSN 846	1	1/4	3/32	.120	.580
SM 297	1/2	3/16	1/32	.098	.264
SM 298	5/8	3/16	3/64	.090	.307
SM 299	3/4	3/16	3/64	.088	.336
SM 300	3/4	1/4	3/64	.088	.336
SSN 43	1/2	1/8	3/64	.045	.253
SSN 432	1/2	3/16	1/32	.091	.254
SSN 54	5/8	1/8	3/64	.038	.320
SSN 54C	5/8	3/16	3/64	.101	.320
SM 27	3/4	1/8	3/64	-	.180
SM 43	1/2	1/8	1/16	-	.122
SM 47	1/2	3/16	1/16	-	.122
SM 216	3/4	3/16	3/64	-	.180
SS 4	3/4	1/8	3/64	-	.180
ITSN 322	3/8	1/8	1/32	.055	.227
ITSN 323	3/8	1/8	3/64	.055	.227
ITSN 324	3/8	1/8	1/16	.055	.227
ITSN 332	3/8	3/16	1/32	.055	.227
ITSN 333	3/8	3/16	3/64	.055	.227
ITSN 334	3/8	3/16	1/16	.055	.227
ITSN 423	1/2	1/8	3/64	.055	.289
ITSN 432	1/2	3/16	1/32	.088	.289
ITSN 433	1/2	3/16	3/64	.088	.289
ITSN 434	1/2	3/16	1/16	.088	.289



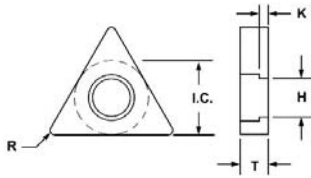
Shims and Chipbreakers

SHIMS

Negative rake ISO and ANSI standard shims

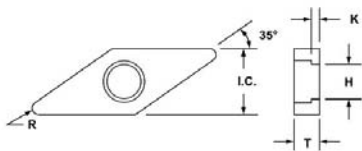
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Triangle

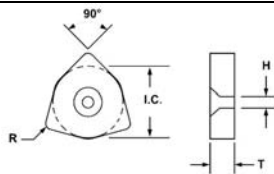
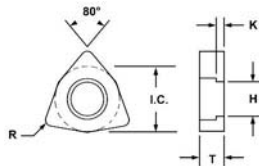


Part Number	Dimensions (inches)				
	Insert IC	T	R	K	H
ITSN 438	1/2	3/16	1/8	.088	.289
ITSN 533	5/8	3/16	3/64	.088	.380
ITSN 534	5/8	3/16	1/16	.088	.380
ITSN 535	5/8	3/16	5/64	.088	.380
ITSN 538	5/8	3/16	1/8	.088	.380
ITSN 543	5/8	1/4	3/64	.088	.380
ITSN 633	3/4	3/16	3/64	.088	.443
ITSN 636	3/4	3/16	3/32	.088	.443
ITSN 637	3/4	3/16	7/64	.088	.443
SM 290	3/8	1/8	1/32	.060	.233
SM 291	3/8	3/16	1/32	.092	.233
SM 292	1/2	3/16	3/64	.090	.262
SM 293	5/8	3/16	1/16	.090	.317
SM 294	3/4	3/16	3/32	.090	.334
SM 391	1/2	1/4	3/64	.152	.262
STN 32	3/8	1/8	3/64	.050	.192
STN 32C	3/8	3/16	3/64	.050	.192
STN 43	1/2	1/8	1/16	.039	.255
STN 43C	1/2	3/16	1/16	.039	.255
STN 54	5/8	1/8	1/16	.042	.320
STN 54C	5/8	3/16	1/16	.084	.320
STN 66	3/4	3/16	3/32	.073	.380
STN 66C	3/4	1/4	3/32	.073	.380
TSN 434	1/2	3/16	1/16	.098	.254
TSN 539	5/8	3/16	9/64	.088	.380
SM 26	1/2	1/8	3/64	-	.180
SM 42	3/8	1/8	1/32	-	.130
SM 48	3/8	3/16	1/32	-	.130
SM 72	5/8	3/16	3/64	-	.210
IVSN 322	3/8	1/8	1/32	.055	.227
IVSN 324	3/8	1/8	1/16	.055	.227
IVSN 432	1/2	3/16	1/32	.088	.289
IVSN 433	1/2	3/16	3/64	.088	.289
IVSN 436	1/2	3/16	3/32	.088	.289
SM 310	3/8	1/8	1/32	.050	.210
SM 386	1/2	1/8	1/32	.090	.250
IWSN 322	3/8	1/8	1/32	.055	.227
IWSN 433	1/2	3/16	3/64	.088	.289
IWSN 533	5/8	3/16	3/64	.088	.380
IWSN 635	3/4	3/16	5/64	.088	.443
SHM WNMF 93	7/8	3/16	3/64	-	.190

35° Diamond



Trigon



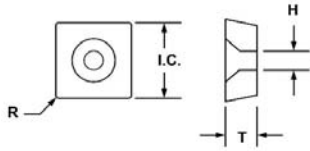


Shims and Chipbreakers

SHIMS

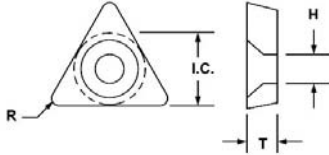
Positive rake ISO and ANSI standard shims

Square



Part Number	Dimensions (inches)				
	Insert IC	T	R	K	H
PSQ 3	1/2	1/8	1/64	-	.122
PSQ 4	3/4	1/8	3/64	-	.175
SM 29	3/4	1/8	3/64	-	.175
PTP 3	3/8	1/8	1/64	-	.122
PTP 4	1/2	1/8	3/64	-	.185
PTP 4S	1/2	1/8	1/32	-	.185
SM 37	1/2	1/8	3/64	-	.185
SM 41	3/8	1/8	1/64	-	.122

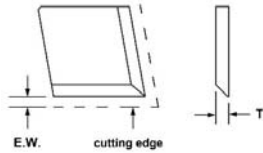
Triangle



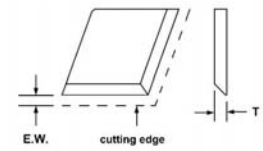
CHIPBREAKERS

Industry standard chipbreakers

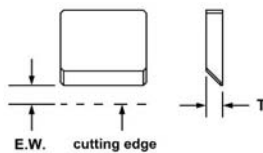
80° Diamond



Part Number	Dimensions (inches)		
	Insert IC	T	EW
CBD 6N	3/4	.094	.115
CBD 6C	3/4	.094	.125
CBS 4G	1/2	.094	.094
CBS 4H	1/2	.094	.156
CBS 4L	1/2	.094	.063
CBS 4LM	1/2	.085	.060
CBS 5LM	5/8	.085	.060
CBS 6G	3/4	.094	.125
CBS 6H	3/4	.094	.188
CBS 6L	3/4	.094	.063
CBS 6LM	3/4	.085	.060
CBS 16	1/2	.094	.157
CBS 16F	1/2	.094	.062
CBS 16N	1/2	.094	.101
CBS 24	3/4	.094	.188
CBS 24F	3/4	.094	.062
CBS 24N	3/4	.094	.101
S43 AD	1/2	.094	.078
S43 AG	1/2	.094	.124
S43 AI	1/2	.094	.171
S43 MOD	1/2	.094	.060
S63 AD	3/4	.094	.071
S63 AG	3/4	.094	.141
S63 AK	3/4	.094	.203



Square



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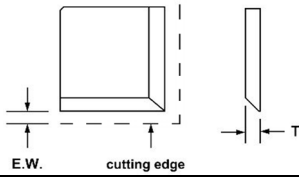


CHIPBREAKERS

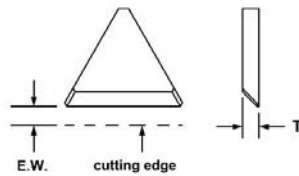
Industry standard chipbreakers

continued from previous page

Square



Triangle



Part Number	Dimensions (inches)		
	Insert IC	T	EW
CBS 24D	3/4	.094	.125
CBT 3H	3/8	.094	.125
CBT 3L	3/8	.094	.063
CBT 4G	1/2	.094	.094
CBT 4H	1/2	.094	.156
CBT 4L	1/2	.094	.063
CBT 6H	3/4	.125	.345
CBT 6L	3/4	.125	.156
CBT 12	3/8	.094	.129
CBT 12F	3/8	.094	.057
CBT 12N	3/8	.094	.081
CBT 16F	1/2	.094	.054
CBT 16N	1/2	.094	.101
CBT 20N	5/8	.094	.101
CBT 24	3/4	.125	.312
T33 AD	3/8	.094	.071
T33 AF	3/8	.094	.108
T33 AH	3/8	.094	.155
T43 AE	1/2	.094	.093
T43 AG	1/2	.094	.131
T43 AK	1/2	.094	.217
T53 AG	5/8	.094	.123
T53 AH	5/8	.094	.151

