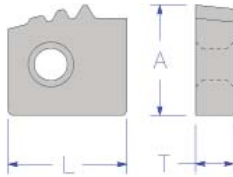


Threading Grade Descriptions	
Grade	Description
514	Tough general purpose TiN coated steel cutting for lower speeds
624	AlTiN coated for heat protection in higher speeds
6249	Premium substrate - extra wear resistant - AlTiN coated for heat protection in higher speeds
684	CVD TiN/TiC/TiN coated for extra wear resistance in hard steels
6849	Premium substrate - long lasting - CVD TiN/TiC/TiN coated wear resistance in hard steels

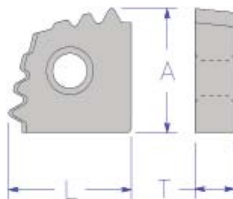
Chaser

EXTERNAL ROUND



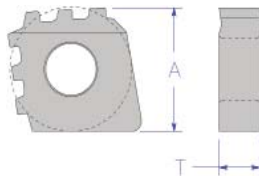
DESCRIPTION	EDP	# TEETH	PITCH	TPF	L	T	A
3T8RD75E	40252	3	8	3/4	.625	.204	.595
3T8RD75E #1	49052	3	8	3/4	.625	.204	.579
3T8RD75E #2	49062	3	8	3/4	.625	.204	.588
3T8RD75E #3	49072	3	8	3/4	.625	.204	.592
3T10RD75E	76252	3	10	3/4	.625	.204	.625
3T10RD75E #1	48102	3	10	3/4	.625	.204	.564
3T10RD75E #2	48112	3	10	3/4	.625	.204	.572
3T10RD75E #3	48122	3	10	3/4	.625	.204	.577

EXTERNAL DOUBLE SIDED



DESCRIPTION	EDP	# TEETH	PITCH	TPF	L	T	A
3T8RD75EDS	54612	3	8	3/4	.625	.204	.625
3T10RD75EDS	55432	3	10	3/4	.625	.204	.625

CNMA DOUBLE SIDED

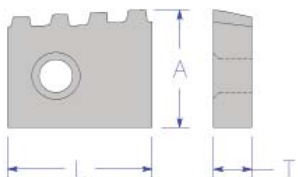


DESCRIPTION	EDP	# TEETH	PITCH	TPF	L	T	A
CNMA 53 3T8RD75EDS	48022	3	8	3/4	N/A	.190	.620
CNMA 53 3T10RD75EDS	48032	3	10	3/4	N/A	.190	.620
CNMA 64 3T5B75EDS	54602	3	5	3/4	N/A	.250	.745



EXTERNAL BUTTRESS

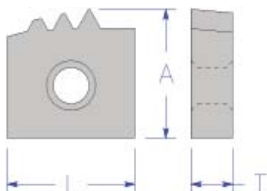
DESCRIPTION	EDP	# TEETH	PITCH	TPF	L	T	A
4T5B75E	52442	4	5	3/4	.750	.204	.625
3T5B75E #1	56832	3	5	3/4	.670	.204	.564
3T5B75E #2	56842	3	5	3/4	.670	.204	.572
3T5B75E #3	56852	3	5	3/4	.670	.204	.577
4T5B1E	56692	4	5	1	.750	.204	.625



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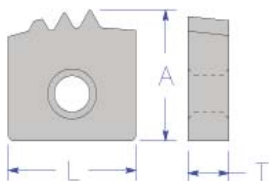
EXTERNAL LINEPIPE

DESCRIPTION	EDP	# TEETH	PITCH	TPF	L	T	A
3T8PLP EXT	70542	3	8	3/4	.625	.204	.625
4T8PLP EXT	56072	4	8	3/4	.625	.204	.625
6T11.5P EXT .066D	82722	6	11.5	3/4	.625	.204	.625



EXTERNAL WATERWELL

DESCRIPTION	EDP	# TEETH	PITCH	TPF	L	T	A
3T8P EXT .0915D	40782	3	8	3/4	.625	.204	.625
3T8P EXT .0865D	40792	3	8	3/4	.625	.204	.625
3T8P EXT .0885D	50482	3	8	3/4	.625	.204	.625

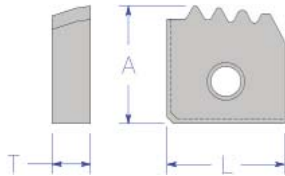




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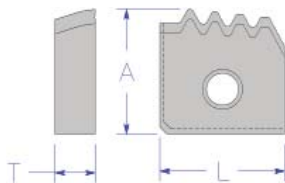
INTERNAL ROUND

DESCRIPTION	EDP	# TEETH	PITCH	TPF	L	T	A
4T8RD75I	46261	4	8	3/4	.625	.204	.625
7T8RD75I	40821	7	8	3/4	1.000	.204	.625
3T10RD75I	77911	3	10	3/4	.625	.204	.625
9T10RD75I	84631	9	10	3/4	1.000	.204	.625



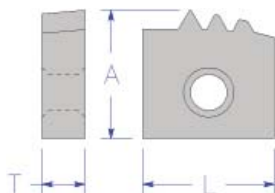
INTERNAL ROUND W/CB

DESCRIPTION	EDP	# TEETH	PITCH	TPF	L	T	A
4T8RD75I	85001	4	8	3/4	.625	.204	.625
7T8RD75I	85011	7	8	3/4	1.000	.204	.625



INTERNAL LINEPIPE

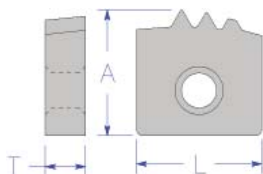
DESCRIPTION	EDP	# TEETH	PITCH	TPF	L	T	A
3T8NPT INT	84201	3	8	3/4	.625	.204	.625
7T8NPT INT	84211	7	8	3/4	1.000	.204	.625
4T11.5P INT	84221	4	11.5	3/4	.625	.204	.625
7T8P11.5P INT	84231	7	11.5	3/4	1.000	.204	.625





INTERNAL WATERWELL

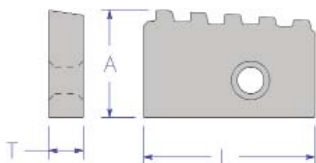
DESCRIPTION	EDP	# TEETH	PITCH	TPF	L	T	A
3T8P INT .0885	50481	3	8	3/4	.625	.204	.625



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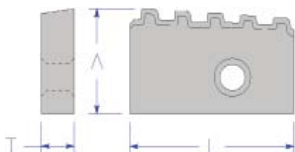
INTERNAL BUTTRESS

DESCRIPTION	EDP	# TEETH	PITCH	TPF	L	T	A
1T5B75I	56471	1	5	3/4	.625	.204	.625
2T5B75I	56481	2	5	3/4	.625	.204	.625
4T5B75I	70851	4	5	3/4	.800	.204	.625
5T5B75I	45451	5	5	3/4	1.000	.204	.625
3T5B1I	48041	3	5	1	.800	.204	.625
4T5B1I	48051	4	5	1	1.000	.204	.625
5T5B1I	48061	5	5	1	1.000	.204	.625
4T8B75I	53731	4	8	3/4	.625	.204	.625



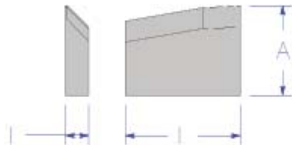
INTERNAL BUTTRESS W/CB

DESCRIPTION	EDP	# TEETH	PITCH	TPF	L	T	A
5T5B75I	84751	5	5	3/4	1.000	.204	.625





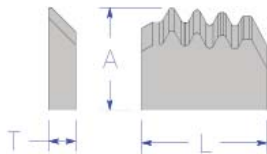
CHIPBREAKERS



DESCRIPTION	EDP	ANGLE	L	T	A	USED WITH
5/8 EXTERNAL	46322	3°	5/8	.125	.480	
5/8 EXTERNAL MOD	50452	3° X 10°	5/8	.125	.480	
3/4 EXTERNAL	76322	3°	4/5	.125	.500	
5/8 INTERNAL	78771	3°	5/8	.125	.470	
1 INCH INTERNAL	77401	3°	1	.125	.470	
5/8 NEUTRAL	82660	0°	5/8	.125	.420	SPECIALS

Chaser

WITH FORM



DESCRIPTION	EDP	ANGLE	L	T	A	USED WITH
4T8RD75ICB	78941	FORMED	5/8	.125	.515	4T8RD75I
5T5B75ICB	84761	FORMED	1	.125	.515	5T5B75I