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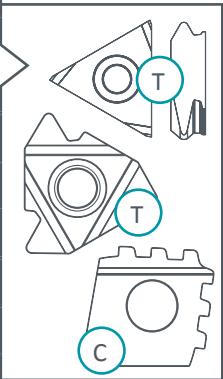
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OILFIELD INSERT IDENTIFICATION

1				2	3	4	5	6	7	8	9	10	11
A	B	C	D										
T	N	E	C	5	4		VAMTOP	75	5		I	L	
T	N	E	C	5	4	F	VAMFJL	6.25%	6		E		
C	N	G	A	6	4		BVNV	75	5		E		2
C	N	G	X	6	4		VAMTOP	75	5	R	E		3

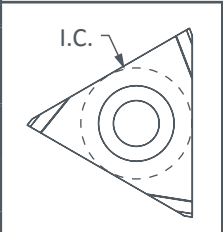
1 | INSERT SHAPE

1A	T	TRIANGULAR
	C	CUBOID
1B	N	NEUTRAL
1C	E,G	TOLERANCE GRADE
1D	A	NO COUNTERSINK
	B	ONE COUNTERSINK
	C	COUNTERSINK TWO SIDES
	X	SPECIAL INSERT



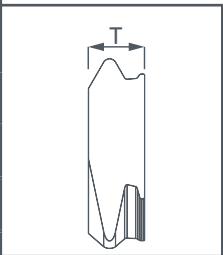
2 | INSERT SIZE

INSCRIBED CIRCLE (I.C.) OF SHAPE IN 1/8" OF AN INCH		
4	1/2"	12.7mm
5	5/8"	15.875mm
6	3/4"	19.05mm



3 | INSERT THICKNESS

INSERT THICKNESS IN 1/16" OF AN INCH		
3	3/16"	4.763mm
4	1/4"	6.35mm
5	5/16"	7.938mm
6	3/8"	9.525mm



4 | -

F	LAYDOWN STYLE (TRIANGULAR ONLY)
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5 | THREAD DESCRIPTION

VAM	TOP, ACE, DINO
JFE	FOX, BEAR
API	BUCA, RD, IMP BUTT
TENARIS	3SB, BLUE
NS	NSCT, NSCC

6 | THREAD TAPER

TAPER	INCHES PER FOOT	% = 100/TAPER
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7 | THREAD PITCH

THREADS PER INCH	4,5,6,8
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8 | -

R	ROUGHING INSERT
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9 | CUTTING APPLICATION

E	EXTERNAL
I	INTERNAL

10 | HAND OF THREAD

RIGHT HANDED UNLESS STATED	
L	LEFT HANDED

11 | NUMBER OF TEETH

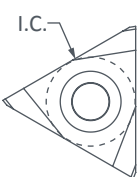
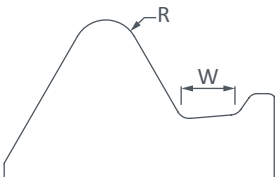
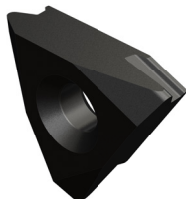
PART REFERENCES

ON-EDGE PART REFERENCES FOR OILFIELD THREADFORMS

THREAD FORM REFERENCE	CONNECTION REFERENCE	PART REF.
API V0.038R (V0.065 SUPERCEDED BY V0.038 2TPF)	NC23, NC26, NC31, NC35, NC38, NC40, NC44, NC46, NC50 4 FH, 2 3/8 IF, 3 1/2 IF, 4 IF, 4 1/2 IF, 5 1/2 IF	V3824
	NC56, NC61, NC70, NC77	V3834
API V0.040	2 3/8 REG, 2 7/8 REG, 3 1/2 REG, 4 1/2 REG 3 1/2 FH, 4 1/2 FH	V2035
API V0.050	6 5/8 REG, 5 1/2 FH, 6 5/8 FH	V2524
	5 1/2 REG, 7 5/8 REG, 8 5/8 REG	V2534
API V0.055 AMERICAN MT AMT AMMT	NC10, NC12, NC13, NC16	V55156
API ROUND	NUE 1.05 - 3 1/2, EUE/L 1.05 - 1.9, IJ 1.315 - 2.063	10RD
	NUE 4 - 4 1/2, EUE/L 2 3/8 - 4 1/2, STC 4 1/2 - 20, LTC 4 1/2 - 20	8RD
API BUTTRESS CASING	4 1/2 - 13 3/8	BUCA 755
	16 - 20	BUCA 155
PAC (PACIFIC ASIA CONNECTION) AOH (AMERICAN OPEN HOLE)	2 3/8 - 2 7/8 - 3 1/2	4 PAC
LINE PIPE	1/8"	27 LP
	1/4" - 3/8"	18 LP
	1/2" - 3/4"	14 LP
	1", 1 1/4", 1 1/2", 2"	11.5 LP
	2 1/2", 3", 3 1/2", 4", 5", 6" - 20"	8 LP
ELC (EXTREME LINE CASING)	5" - 7 5/8"	XL 156
	8 5/8" - 10 3/4"	XL 125

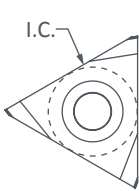
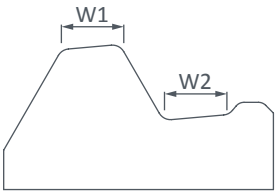
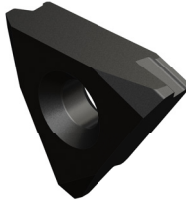
API

ROTARY



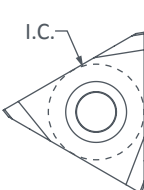
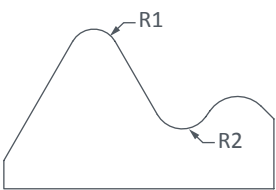
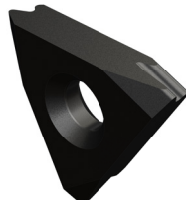
DESCRIPTION	TPF	TPI	R	W	I.C.	T
TNEC55 V2035E	3"	5	0.508 (0.020")	1.016 (0.040")	15.875 (5/8")	7.938 (5/16")
TNEC55 V2035I	3"	5	0.508 (0.020")	1.016 (0.040")	15.875 (5/8")	7.938 (5/16")
TNEC55 V2524E	2"	4	0.635 (0.025")	1.270 (0.050")	15.875 (5/8")	7.938 (5/16")
TNEC55 V2524I	2"	4	0.635 (0.025")	1.270 (0.050")	15.875 (5/8")	7.938 (5/16")
TNEC55 V2534E	3"	4	0.635 (0.025")	1.270 (0.050")	15.875 (5/8")	7.938 (5/16")
TNEC55 V2534I	3"	4	0.635 (0.025")	1.270 (0.050")	15.875 (5/8")	7.938 (5/16")
TNEC55 V3824E	2"	4	0.965 (0.038")	1.651 (0.065")	15.875 (5/8")	7.938 (5/16")
TNEC55 V3824I	2"	4	0.965 (0.038")	1.651 (0.065")	15.875 (5/8")	7.938 (5/16")
TNEC55 V3834E	3"	4	0.965 (0.038")	1.651 (0.065")	15.875 (5/8")	7.938 (5/16")
TNEC55 V3834I	3"	4	0.965 (0.038")	1.651 (0.065")	15.875 (5/8")	7.938 (5/16")

PAC



DESCRIPTION	TPF	TPI	W1	W2	I.C.	T
TNEC55 4 PAC E	1 1/2"	4	1.702 (0.067")	1.931 (0.076")	15.875 (5/8")	7.938 (5/16")
TNEC55 4 PAC I	1 1/2"	4	1.702 (0.067")	1.931 (0.076")	15.875 (5/8")	7.938 (5/16")

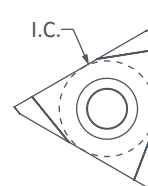
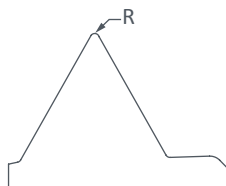
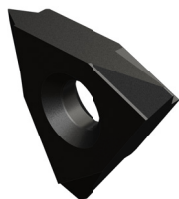
ROUND



DESCRIPTION	TPF	TPI	R1	R2	I.C.	T
TNEC43 10RD E	0.75"	10	0.356 (0.014")	0.432 (0.017")	12.7 (1/2")	4.763 (3/16")
TNEC43 10RD I	0.75"	10	0.356 (0.014")	0.432 (0.017")	12.7 (1/2")	4.763 (3/16")
TNEC43 8RD E	0.75"	8	0.432 (0.017")	0.508 (0.020")	12.7 (1/2")	4.763 (3/16")
TNEC43 8RD I	0.75"	8	0.432 (0.017")	0.508 (0.020")	12.7 (1/2")	4.763 (3/16")

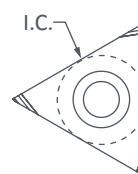
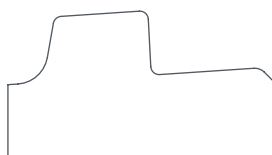
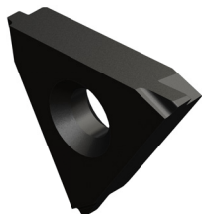
API

LINE PIPE



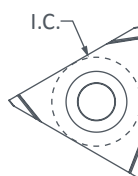
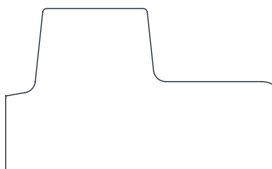
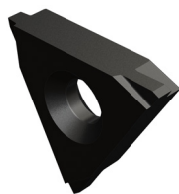
DESCRIPTION	TPF	TPI	R	I.C.	T
TNEC43 LP 11.5 E	3/4"	11.5	0.107 (0.004")	12.70 (1/2")	4.763 (3/16")
TNEC43 LP 11.5 I	3/4"	11.5	0.107 (0.004")	12.70 (1/2")	4.763 (3/16")
TNEC43 LP 8 E	3/4"	8	0.132 (0.005")	12.70 (1/2")	4.763 (3/16")
TNEC43 LP 8 I	3/4"	8	0.132 (0.005")	12.70 (1/2")	4.763 (3/16")

BUTTRESS CASING



DESCRIPTION	TPF	TPI	I.C.	T
TNEC54 BUCA 15E	1"	5	15.875 (5/8")	6.35 (1/4")
TNEC54 BUCA 15I	1"	5	15.875 (5/8")	6.35 (1/4")
TNEC54 BUCA 755E	3/4"	5	15.875 (5/8")	6.35 (1/4")
TNEC54 BUCA 755I	3/4"	5	15.875 (5/8")	6.35 (1/4")

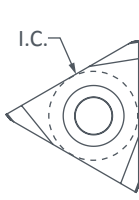
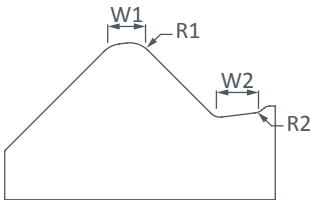
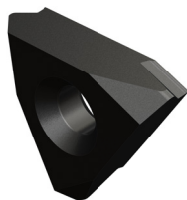
EXTREME LINE CASING



DESCRIPTION	TPF	TPI	I.C.	T
TNEC54 XL 156E	1 1/2"	6	15.875 (5/8")	6.35 (1/4")
TNEC54 XL 156I	1 1/2"	6	15.875 (5/8")	6.35 (1/4")
TNEC54 XL 125E	1 1/4"	5	15.875 (5/8")	6.35 (1/4")
TNEC54 XL 125I	1 1/4"	5	15.875 (5/8")	6.35 (1/4")

API

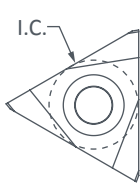
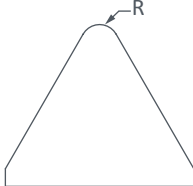
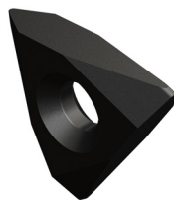
HUGHES



DESCRIPTION	TPF	TPI	R1	R2	W1	W2	I.C.	T
TNEC55 H902 E	2"	3.5	0.762 (0.030")	0.381 (0.015")	0.864 (0.034")	1.270 (0.050")	15.875 (5/8")	7.938 (5/16")
TNEC55 H902 I	2"	3.5	0.762 (0.030")	0.381 (0.015")	0.864 (0.034")	1.270 (0.050")	15.875 (5/8")	7.938 (5/16")
TNEC55 H903 E	3"	3.5	0.762 (0.030")	0.381 (0.015")	0.864 (0.034")	1.270 (0.050")	15.875 (5/8")	7.938 (5/16")
TNEC55 H903 I	3"	3.5	0.762 (0.030")	0.381 (0.015")	0.864 (0.034")	1.270 (0.050")	15.875 (5/8")	7.938 (5/16")
TNEC56 H90S E	1 1/4"	3	0.762 (0.030")	0.381 (0.015")	1.727 (0.068")	2.134 (0.084")	15.875 (5/8")	9.525 (3/8")
TNEC56 H90S I	1 1/4"	3	0.762 (0.030")	0.381 (0.015")	1.727 (0.068")	2.134 (0.084")	15.875 (5/8")	9.525 (3/8")

PARTIAL PROFILE

PARTIAL PROFILE



DESCRIPTION	TPI	R	I.C.	T
TNEC32 NV60	1.25 - 3.5	0.08 (0.003)	9.525 (3/8")	3.175 (2/16")
TNEC43 NV60	1.3 - 5.0	0.13 (0.005)	12.7 (1/2")	4.763 (3/16")
TNEC43 NV60 0.010R	1.3 - 6.25	0.25 (0.010)	12.7 (1/2")	4.763 (3/16")
TNEC44 NV60	1.2 - 6.25	0.08 (0.003)	12.7 (1/2")	6.35 (1/4")
TNEC54 NV60	1.3 - 6.25	0.20 (0.008)	15.875 (5/8")	6.35 (1/4")
TNEC54 NV60 0.010R	1.3 - 6.25	0.25 (0.010)	15.875 (5/8")	6.35 (1/4")
TNEC54 NV60 0.020R	2.0 - 6.25	0.51 (0.020)	15.875 (5/8")	6.35 (1/4")
TNEC54 NV60 0.025R	3.5 - 6.25	0.64 (0.025)	15.875 (5/8")	6.35 (1/4")
TNEC54 NV60 0.038R	4.0 - 6.25	0.97 (0.038)	15.875 (5/8")	6.35 (1/4")
TNEC64 NV60	1.3 - 6.25	0.20 (0.008)	19.05 (3/4")	6.35 (1/4")
TNEC66 NV60	2.0 - 8.0	0.20 (0.008)	19.05 (3/4")	9.525 (3/8")

VAM

VAM ACE

DESCRIPTION	VAM REF.	TPF	TPI	I.C.	T
TNEC43 VAM ACE 758E	ST-D2000	3/4"	8	12.70 (1/2")	4.763 (3/16")
TNEC43 VAM ACE 758I		3/4"	8	12.70 (1/2")	4.763 (3/16")
TNEC54 VAM ACE 756E		3/4"	6	15.875 (5/8")	6.35 (1/4")
TNEC54 VAM ACE 756I		3/4"	6	15.875 (5/8")	6.35 (1/4")
TNEC54 VAM ACE 755E	ST-D2500	3/4"	5	15.875 (5/8")	6.35 (1/4")
TNEC54 VAM ACE 755I		3/4"	5	15.875 (5/8")	6.35 (1/4")
TNEC55 VAM ACE 754E		3/4"	4	15.875 (5/8")	7.938 (5/16")
TNEC55 VAM ACE 754I		3/4"	4	15.875 (5/8")	7.938 (5/16")

VAM TOP

DESCRIPTION	VAM REF.	TPF	TPI	I.C.	T
TNEC43 VAM TOP 758E	SI-TD7503	3/4"	8	12.70 (1/2")	4.763 (3/16")
TNEC43 VAM TOP 758I		3/4"	8	12.70 (1/2")	4.763 (3/16")
TNEC54 VAM TOP 756E	SI-TD7502 SI-TD7504	3/4"	6	15.875 (5/8")	6.35 (1/4")
TNEC54 VAM TOP STD7502 756I	SI-TD7502	3/4"	6	15.875 (5/8")	6.35 (1/4")
TNEC54 VAM TOP STD7504 756I	SI-TD7504	3/4"	6	15.875 (5/8")	6.35 (1/4")
TNEC54 VAM TOP 755E (SI-TD7500)	SI-TD7500	3/4"	5	15.875 (5/8")	6.35 (1/4")
TNEC54 VAM TOP 755I		3/4"	5	15.875 (5/8")	6.35 (1/4")
TNEC55 VAM TOP 754E (SI-TD7501)	SI-TD7501	3/4"	4	15.875 (5/8")	7.938 (5/16")
TNEC55 VAM TOP 754I		3/4"	4	15.875 (5/8")	7.938 (5/16")

VAM TOP FE

DESCRIPTION	VAM REF.	TPF	TPI	I.C.	T
TNEC54 VAM TOP FE 755E	SI-TD100283	3/4"	5	15.875 (5/8")	6.35 (1/4")
TNEC54 VAM TOP FE 755I		3/4"	5	15.875 (5/8")	6.35 (1/4")
TNEC55 VAM TOP FE 754E	SI-TD100280	3/4"	4	15.875 (5/8")	7.938 (5/16")
TNEC55 VAM TOP FE 754I		3/4"	4	15.875 (5/8")	7.938 (5/16")

● OTHER VAM TOP FE PRODUCTS AVAILABLE ON REQUEST

VAM FJL

DESCRIPTION	VAM REF.	TPF	PITCH	I.C.	T
TNEC54 VAM FJL 6.25% E	SI-TD100059	3/4"	4.0mm	15.875 (5/8")	6.35 (1/4")
TNEC54 VAM FJL 6.25% I		3/4"	4.0mm	15.875 (5/8")	6.35 (1/4")
TNEC54 VAM FJL 10% E	SI-TD100060	1 1/5"	4.0mm	15.875 (5/8")	6.35 (1/4")
TNEC54 VAM FJL 10% I		1 1/5"	4.0mm	15.875 (5/8")	6.35 (1/4")

● OTHER VAM FJL PRODUCTS AVAILABLE ON REQUEST

VAM

VAM HP

DESCRIPTION	VAM REF.	TAPER	TPI	I.C.	T
TNEC54 VAM HP 8.333% 5E	SI-TD100078	8.33%	5	15.875 (5/8")	6.35 (1/4")
TNEC54 VAM HP 8.333% 5I		8.33%	5	15.875 (5/8")	6.35 (1/4")
TNEC54 VAM HP 11% 5E	SI-TD100587	11%	5	15.875 (5/8")	6.35 (1/4")
TNEC54 VAM HP 11% 5I		11%	5	15.875 (5/8")	6.35 (1/4")
TNEC54 VAM HP 12.5% 5E	SI-TD100609	12.5%	5	15.875 (5/8")	6.35 (1/4")
TNEC54 VAM HP 12.5% 5I		12.5%	5	15.875 (5/8")	6.35 (1/4")
TNEC54 VAM HP 12.5% 4E	SI-TD100406	12.5%	4	15.875 (5/8")	6.35 (1/4")
TNEC54 VAM HP 12.5% 4I		12.5%	4	15.875 (5/8")	6.35 (1/4")

● OTHER VAM HP PRODUCTS AVAILABLE ON REQUEST

VAM HWST

DESCRIPTION	VAM REF.	TAPER	TPI	I.C.	T
TNEC55 VAM HWST 12.5% 4E	SI-TD100128	12.5%	4	15.875 (5/8")	7.938 (5/16")
TNEC55 VAM HWST 12.5% 4I		12.5%	4	15.875 (5/8")	7.938 (5/16")
TNEC55 VAM HWST 18.18% 4E	SI-TD100749	18.18%	4	15.875 (5/8")	7.938 (5/16")
TNEC55 VAM HWST 18.18% 4I		18.18%	4	15.875 (5/8")	7.938 (5/16")

● OTHER VAM HWST PRODUCTS AVAILABLE ON REQUEST

VAM DINO

DESCRIPTION	VAM REF.	TPF	TPI	I.C.	T
TNEC66 VAM DINO 8.33% 3E	ST-D7200	1"	3	19.05 (3/4")	9.525 (3/8")
TNEC66 VAM DINO 8.33% 3I		1"	3	19.05 (3/4")	9.525 (3/8")
TNEC66 VAM DINO 12.5% 3E		1 1/2"	3	19.05 (3/4")	9.525 (3/8")
TNEC66 VAM DINO 12.5% 3I		1 1/2"	3	19.05 (3/4")	9.525 (3/8")

VAM BIG OMEGA

DESCRIPTION	VAM REF.	TAPER	TPI	I.C.	T
TNEC66 BIG OMEGA 13.33% 3E	ST-D3400	13.33%	3	19.05 (3/4")	9.525 (3/8")
TNEC66 BIG OMEGA 13.33% 3I		13.33%	3	19.05 (3/4")	9.525 (3/8")

TENARIS

TENARIS BLUE

DESCRIPTION	TAPER	TPI	I.C.	T
TNEC54 TBL 6.25% 5E (REV1)	6.25%	5	15.875 (5/8")	6.35 (1/4")
TNEC54 TBL 6.25% 5I	6.25%	5	15.875 (5/8")	6.35 (1/4")
TNEC55 TBL 8.5% 4E	8.5%	4	15.875 (5/8")	7.938 (5/16")
TNEC55 TBL 8.5% 4I	8.5%	4	15.875 (5/8")	7.938 (5/16")
TNEC55 TBL 8.5% 4EL	8.5%	4	15.875 (5/8")	7.938 (5/16")
TNEC55 TBL 8.5% 4IL	8.5%	4	15.875 (5/8")	7.938 (5/16")

TENARIS TSH 3SB

DESCRIPTION	TPF	TPI	I.C.	T
TNEC43 TSH 3SB 758E	3/4"	8	12.70 (1/2")	4.763 (3/16")
TNEC43 TSH 3SB 758I	3/4"	8	12.70 (1/2")	4.763 (3/16")
TNEC54 TSH 3SB 755E	3/4"	5	15.875 (5/8")	6.35 (1/4")
TNEC54 TSH 3SB 755I	3/4"	5	15.875 (5/8")	6.35 (1/4")
TNEC54 TSH 3SB SL 15E	1"	5	15.875 (5/8")	6.35 (1/4")
TNEC54 TSH 3SB SL 15I	1"	5	15.875 (5/8")	6.35 (1/4")

JFE

JFE BEAR

DESCRIPTION	TPF	TPI	I.C.	T
TNEC43 JFE BEAR 758E	3/4"	8	12.70 (1/2")	4.763 (3/16")
TNEC43 JFE BEAR 758I	3/4"	8	12.70 (1/2")	4.763 (3/16")
TNEC54 JFE BEAR 756E	3/4"	6	15.875 (5/8")	6.35 (1/4")
TNEC54 JFE BEAR 756I	3/4"	6	15.875 (5/8")	6.35 (1/4")
TNEC54 JFE BEAR 755E	3/4"	5	15.875 (5/8")	6.35 (1/4")
TNEC54 JFE BEAR 755I	3/4"	5	15.875 (5/8")	6.35 (1/4")

JFE FOX

DESCRIPTION	TPF	TPI	I.C.	T
TNEC43 JFE FOX 758E	3/4"	8	12.70 (1/2")	4.763 (3/16")
TNEC43 JFE FOX 758I	3/4"	8	12.70 (1/2")	4.763 (3/16")
TNEC54 JFE FOX 758E	3/4"	8	15.875 (5/8")	6.35 (1/4")
TNEC54 JFE FOX 758I	3/4"	8	15.875 (5/8")	6.35 (1/4")
TNEC54 JFE FOX 756E	3/4"	5	15.875 (5/8")	6.35 (1/4")
TNEC54 JFE FOX 756I	3/4"	5	15.875 (5/8")	6.35 (1/4")
TNEC54 JFE FOX 755E	3/4"	5	15.875 (5/8")	6.35 (1/4")
TNEC54 JFE FOX 755I	3/4"	5	15.875 (5/8")	6.35 (1/4")

JFE LION

DESCRIPTION	TPF	TPI	I.C.	T
TNEC54 JFE LION 6.25% 8E	3/4"	8	15.875 (5/8")	6.35 (1/4")
TNEC54 JFE LION 6.25% 8I	3/4"	8	15.875 (5/8")	6.35 (1/4")
TNEC54 JFE LION 6.25% 6E	3/4"	6	15.875 (5/8")	6.35 (1/4")
TNEC54 JFE LION 6.25% 6I	3/4"	6	15.875 (5/8")	6.35 (1/4")
TNEC54 JFE LION 6.25% 5E	3/4"	5	15.875 (5/8")	6.35 (1/4")
TNEC54 JFE LION 6.25% 5I	3/4"	5	15.875 (5/8")	6.35 (1/4")

JFE TIGER

DESCRIPTION	TPF	TPI	I.C.	T
TNEC54 JFE TIGER 755E	3/4"	5	15.875 (5/8")	6.35 (1/4")
TNEC54 JFE TIGER 755I	3/4"	5	15.875 (5/8")	6.35 (1/4")
TNEC55 JFE TIGER 754E	3/4"	4	15.875 (5/8")	6.35 (1/4")
TNEC55 JFE TIGER 754I	3/4"	4	15.875 (5/8")	6.35 (1/4")

NIPPON STEEL

NIPPON STEEL CC

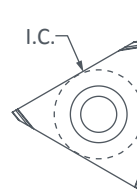
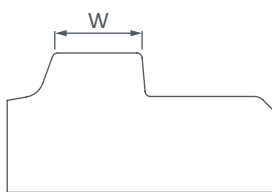
DESCRIPTION	TPF	TPI	I.C.	T
TNEC54 NSCC 755E	3/4"	5	15.875 (5/8")	6.35 (1/4")
TNEC54 NSCC 755I	3/4"	5	15.875 (5/8")	6.35 (1/4")

NIPPON STEEL CT

DESCRIPTION	TPF	TPI	I.C.	T
TNEC43 NSCT 756E	3/4"	6	12.70 (1/2")	4.763 (3/16")
TNEC43 NSCT 756I	3/4"	6	12.70 (1/2")	4.763 (3/16")
TNEC54 NSCT 756E	3/4"	6	15.875 (5/8")	6.35 (1/4")
TNEC54 NSCT 756I	3/4"	6	15.875 (5/8")	6.35 (1/4")

FJWP

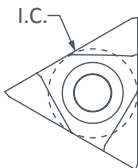
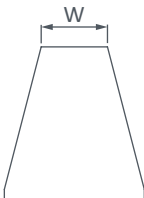
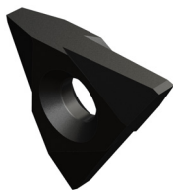
FJWP



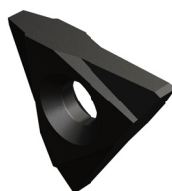
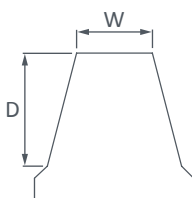
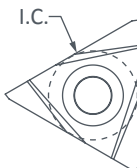
DESCRIPTION	TPI	W	I.C.	T
TNEC43 FJWP 8E	8	1.588 (0.063")	12.70 (1/2")	4.763 (3/16")
TNEC43 FJWP 8I	8	1.588 (0.063")	12.70 (1/2")	4.763 (3/16")
TNEC43 FJWP 6E	6	2.083 (0.082")	12.70 (1/2")	4.763 (3/16")
TNEC43 FJWP 6I	6	2.083 (0.082")	12.70 (1/2")	4.763 (3/16")
TNEC54 FJWP 6E	6	2.083 (0.082")	15.875 (5/8")	6.35 (1/4")
TNEC54 FJWP 6I	6	2.083 (0.082")	15.875 (5/8")	6.35 (1/4")
TNEC55 FJWP 4E	4	3.175 (0.125")	15.875 (5/8")	7.938 (5/16")
TNEC55 FJWP 4I	4	3.175 (0.125")	15.875 (5/8")	7.938 (5/16")

ACME

NT

				
DESCRIPTION	TPI	W	I.C.	T
TNEC43 NT 5P	5	1.752 (0.069")	12.70 (1/2")	4.763 (3/16")
TNEC43 NT 6P	6	1.438 (0.057")	12.70 (1/2")	4.763 (3/16")
TNEC43 NT 8P	8	0.810 (0.041")	12.70 (1/2")	4.763 (3/16")
TNEC43 NT 10P	10	0.719 (0.032")	12.70 (1/2")	4.763 (3/16")
TNEC43 NT 12P	12	0.719 (0.028")	12.70 (1/2")	4.763 (3/16")
TNEC43 NT 14P	14	0.607 (0.024")	12.70 (1/2")	4.763 (3/16")
TNEC43 NT 16P	16	0.523 (0.021")	12.70 (1/2")	4.763 (3/16")
TNEC54 NT 3P	3	3.007 (0.118")	15.875 (5/8")	6.35 (1/4")
TNEC54 NT 3.5P	3.5	2.559 (0.101")	15.875 (5/8")	6.35 (1/4")
TNEC54 NT 4P	4	2.222 (0.088")	15.875 (5/8")	6.35 (1/4")
TNEC54 NT 5P	5	1.752 (0.069")	15.875 (5/8")	6.35 (1/4")
TNEC66 NT 2P	2	4.576 (0.180")	19.05 (3/4")	9.525 (3/8")

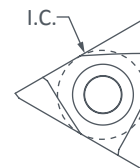
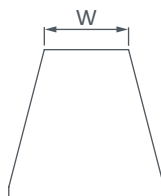
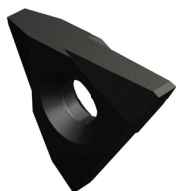
NTC


DESCRIPTION	TPI	W	D	I.C.	T
TNEC43 NTC 5P	5	1.752 (0.069")	2.794 (0.110")	12.70 (1/2")	4.763 (3/16")
TNEC43 NTC 6P	6	1.438 (0.057")	2.370 (0.093")	12.70 (1/2")	4.763 (3/16")
TNEC43 NTC 8P	8	0.810 (0.041")	1.842 (0.073")	12.70 (1/2")	4.763 (3/16")
TNEC43 NTC 10P	10	0.719 (0.032")	1.524 (0.060")	12.70 (1/2")	4.763 (3/16")
TNEC43 NTC 12P	12	0.719 (0.028")	1.186 (0.047")	12.70 (1/2")	4.763 (3/16")
TNEC43 NTC 14P	14	0.607 (0.024")	1.034 (0.041")	12.70 (1/2")	4.763 (3/16")
TNEC43 NTC 16P	16	0.523 (0.021")	0.922 (0.036")	12.70 (1/2")	4.763 (3/16")
TNEC54 NTC 3P	3	3.007 (0.118")	4.488 (0.177")	15.875 (5/8")	6.35 (1/4")
TNEC54 NTC 3.5P	3.5	2.559 (0.101")	3.883 (0.153")	15.875 (5/8")	6.35 (1/4")
TNEC54 NTC 4P	4	2.222 (0.088")	3.429 (0.135")	15.875 (5/8")	6.35 (1/4")
TNEC54 NTC 5P	5	1.752 (0.069")	2.794 (0.110")	15.875 (5/8")	6.35 (1/4")
TNEC66 NTC 2P	2	4.576 (0.180")	6.604 (0.260")	19.05 (3/4")	9.525 (3/8")

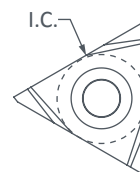
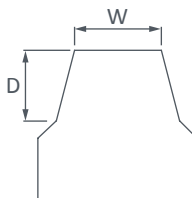
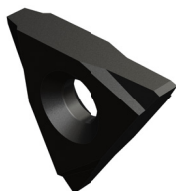
STUB ACME

NST



DESCRIPTION	TPI	W	I.C.	T
TNEC43 NST 5P	5	2.014 (0.079")	12.70 (1/2")	4.763 (3/16")
TNEC43 NST 6P	6	1.656 (0.065")	12.70 (1/2")	4.763 (3/16")
TNEC43 NST 8P	8	1.217 (0.048")	12.70 (1/2")	4.763 (3/16")
TNEC43 NST 10P	10	0.942 (0.037")	12.70 (1/2")	4.763 (3/16")
TNEC43 NST 12P	12	0.828 (0.033")	12.70 (1/2")	4.763 (3/16")
TNEC43 NST 14P	14	0.701 (0.028")	12.70 (1/2")	4.763 (3/16")
TNEC43 NST 16P	16	0.605 (0.024")	12.70 (1/2")	4.763 (3/16")
TNEC54 NST 3P	3	3.444 (0.136")	15.875 (5/8")	6.35 (1/4")
TNEC54 NST 3.5P	3.5	2.934 (0.116")	15.875 (5/8")	6.35 (1/4")
TNEC54 NST 4P	4	2.550 (0.100")	15.875 (5/8")	6.35 (1/4")
TNEC54 NST 5P	5	2.014 (0.079")	15.875 (5/8")	6.35 (1/4")
TNEC66 NST 2P	2	2.232 (0.206")	19.05 (3/4")	9.525 (3/8")

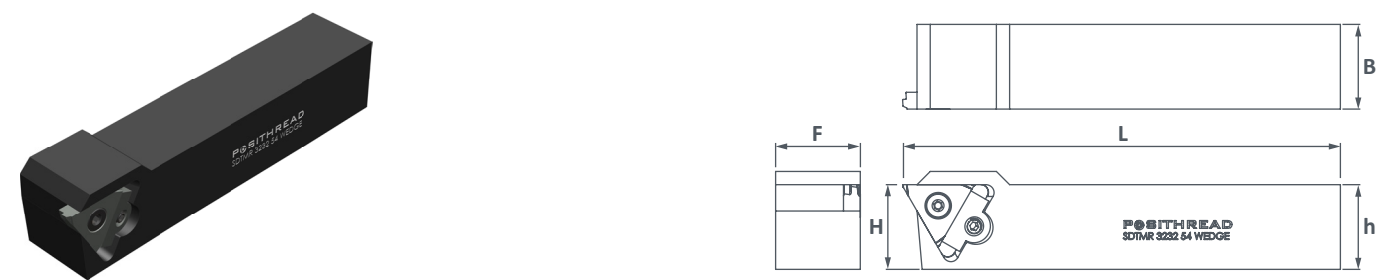
NSTC



DESCRIPTION	TPI	W	D	I.C.	T
TNEC43 NSTC 5P	5	2.014 (0.079")	1.778 (0.070")	12.70 (1/2")	4.763 (3/16")
TNEC43 NSTC 6P	6	1.656 (0.065")	1.524 (0.060")	12.70 (1/2")	4.763 (3/16")
TNEC43 NSTC 8P	8	1.217 (0.048")	1.207 (0.048")	12.70 (1/2")	4.763 (3/16")
TNEC43 NSTC 10P	10	0.942 (0.037")	1.016 (0.040")	12.70 (1/2")	4.763 (3/16")
TNEC43 NSTC 12P	12	0.828 (0.033")	0.762 (0.030")	12.70 (1/2")	4.763 (3/16")
TNEC43 NSTC 14P	14	0.701 (0.028")	0.671 (0.026")	12.70 (1/2")	4.763 (3/16")
TNEC43 NSTC 16P	16	0.605 (0.024")	0.605 (0.024")	12.70 (1/2")	4.763 (3/16")
TNEC54 NSTC 3P	3	3.444 (0.136")	2.794 (0.110")	15.875 (5/8")	6.35 (1/4")
TNEC54 NSTC 3.5P	3.5	2.934 (0.116")	2.431 (0.096")	15.875 (5/8")	6.35 (1/4")
TNEC54 NSTC 4P	4	2.550 (0.100")	2.159 (0.085")	15.875 (5/8")	6.35 (1/4")
TNEC54 NSTC 5P	5	2.014 (0.079")	1.778 (0.070")	15.875 (5/8")	6.35 (1/4")
TNEC66 NSTC 2P	2	2.232 (0.206")	4.064 (0.160")	19.05 (3/4")	9.525 (3/8")

EXTERNAL

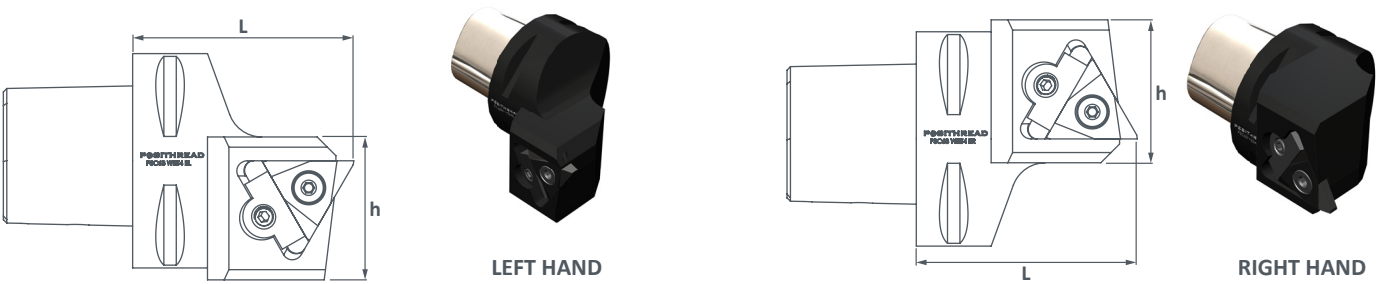
SDTMR/SDTML WEDGE



INSERT SIZE	TOOLHOLDER	DIMENSIONS				SPARES		
		H=h	B	L	F	INSERT SCREW	WEDGE	WEDGE SCREW
TNEC54	SDTMR 3232-54 WEDGE	32.0	32.0	160.0	38.0	MSD-3	W4M MOD	LS-130
	SDTML 3232-54 WEDGE							
TNEC55	SDTMR 3232-55 WEDGE	32.0	32.0	160.0	38.0	MSD-3	W4M MOD	LS-130
	SDTML 3232-55 WEDGE							
TNEC56	SDTMR 3232-56 WEDGE	32.0	32.0	160.0	40.0	MSD-3	W4M MOD	LS-130
	SDTML 3232-56 WEDGE							
TNEC66	SDTMR 3232-66 WEDGE	32.0	32.0	160.0	40.0	MSD-4	W4M MOD	LS-130
	SDTML 3232-66 WEDGE							
TNEC68	SDTMR 3232-68 WEDGE	32.0	32.0	160.0	45.0	MSD-4	W4M MOD	LS-130
	SDTML 3232-68 WEDGE							
TNEC69	SDTMR 3232-69 WEDGE	32.0	32.0	160.0	50.0	MSD-4	W4M MOD	LS-130
	SDTML 3232-69 WEDGE							

EXTERNAL

PSC WEDGE

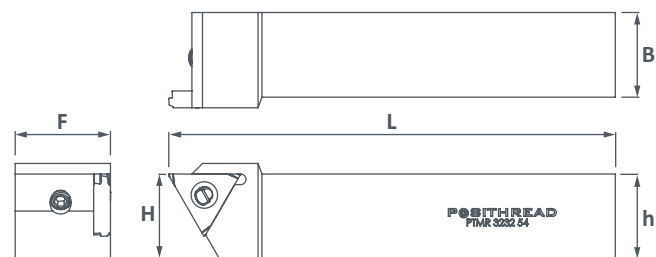


INSERT SIZE	TOOLHOLDER	DIMENSIONS			SPARES		
		h	L	W	INSERT SCREW	WEDGE	WEDGE SCREW
TNEC54	PSC63 6590 WE54 ER	42.0	65.0	45.0	MSD-3	W4M MOD	LS-130
TNEC54	PSC63 6590 WE54 EL	42.0	65.0	45.0	MSD-3	W4M MOD	LS-130
TNEC54	PSC80 80110 WE54 ER	42.0	80.0	55.0	MSD-3	W4M MOD	LS-130
TNEC54	PSC80 80110 WE54 EL	42.0	80.0	55.0	MSD-3	W4M MOD	LS-130

● INTERNAL PSC TOOLING ALSO AVAILABLE

EXTERNAL

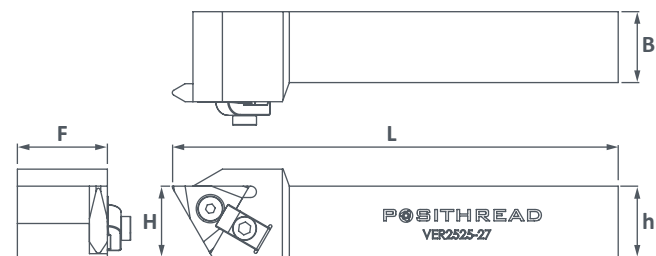
PTMR/PTML



INSERT SIZE	TOOLHOLDER	DIMENSIONS				SPARES		
		H=h	B	L	F	LOCK SCREW	POLYFLEX BALL	LOCK PIN
TNEC43	PTMR 2525-43	25.0	25.0	140.0	32.0	PT-627	7/32"	TG-43
	PTML 2525-43							
TNEC43	PTMR 3232-43	32.0	32.0	160.0	38.0	PT-627	7/32"	TG-43
	PTML 3232-43							
TNEC54 TNEC55	PTMR 2525-54	25.0	25.0	140.0	32.0	PT-628	9/32"	TG-54
	PTML 2525-54							
TNEC54 TNEC55	PTMR 3232-54	32.0	32.0	160.0	38.0	PT-628	9/32"	TG-54
	PTML 3232-54							
TNEC54 TNEC55	PTMR 4040-54	40.0	40.0	200.0	50.0	PT-628	9/32"	TG-54
	PTML 4040-54							

EXTERNAL

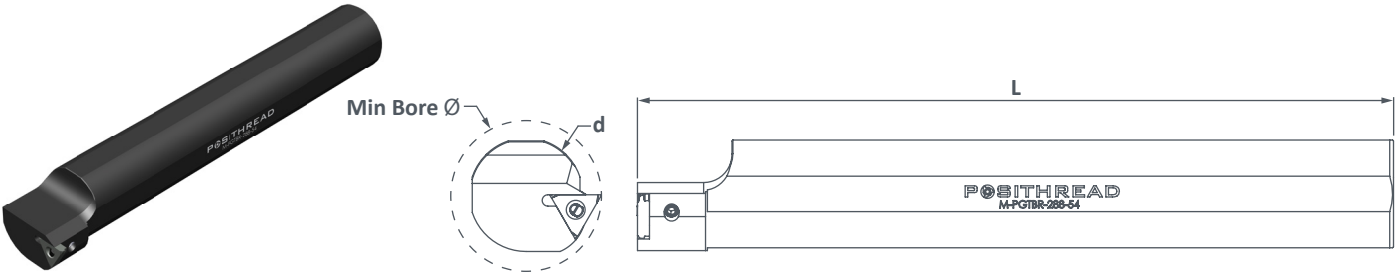
VER/VEL



INSERT SIZE	TOOLHOLDER	DIMENSIONS				SPARES		
		H=h	B	L	F	SCREW	CLAMP	CLAMP SCREW
TNEC43 TNEC44	VER 2525-22	25.0	25.0	150.0	32.0	VS22	VC10	VCS10
	VEL 2525-22							
TNEC43 TNEC44	VER 3232-22	32.0	32.0	150.0	38.0	VS22	VC10	VCS10
	VEL 3232-22							
TNEC54 TNEC55	VER 3232-27	32.0	32.0	175.0	38.0	VS27	VC10	VCS10
	VEL 3232-27							
TNEC66	VER 3232-33	32.0	32.0	175.0	38.0	VS33	VC10	VCS10
	VEL 3232-33							

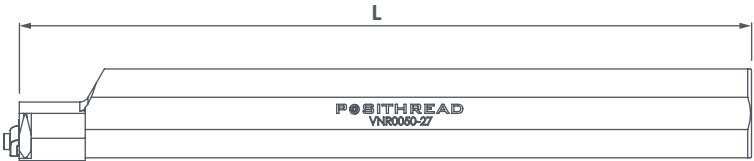
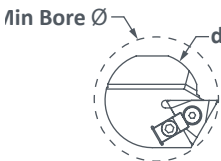
INTERNAL

M-PGTBR/M-PGTBL



INSERT SIZE	TOOLHOLDER	DIMENSIONS			SPARES		
		d	L	MIN BORE Ø	LOCK SCREW	POLYFLEX BALL	LOCK PIN
TNEC43	M-PGTBR 150-43	32	350	49.1	PT-627	7/32"	TG-43
	M-PGTBL 150-43						
TNEC43	M-PGTBR 173-43	40	350	52.2	PT-627	7/32"	TG-43
	M-PGTBL 173-43						
TNEC43	M-PGTBR 226-43	50	400	64.4	PT-627	7/32"	TG-43
	M-PGTBL 226-43						
TNEC54 TNEC55	M-PGTBR 238-54	50	400	64.4	PT-628	9/32"	TG-54
	M-PGTBL 238-54						
TNEC54 TNEC55	M-PGTBR 288-54	60	400	72.8	PT-628	9/32"	TG-54
	M-PGTBL 288-54						

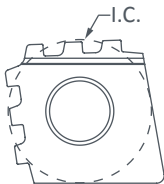
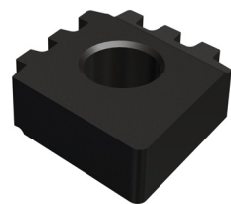
INTERNAL
VNR/VNL



INSERT SIZE	TOOLHOLDER	DIMENSIONS			SPARES		
		d	L	MIN BORE Ø	SCREW	CLAMP	CLAMP SCREW
TNEC43 TNEC44	VNR 0032-22	32.0	350.0	49.10	VS22	VC10	VCS10
	VNL 0032-22						
TNEC43 TNEC44	VNR 0040-22	40.0	350.0	52.20	VS22	VC10	VCS10
	VNL 0040-22						
TNEC43 TNEC44	VNR 0050-22	50.0	400.0	64.40	VS22	VC10	VCS10
	VNL 0050-22						
TNEC54 TNEC55	VNR 0050-27	50.0	400.0	64.40	VS27	VC10	VCS10
	VNL 0050-27						
TNEC54 TNEC55	VNR 0063-27	63.0	400.0	72.80	VS27	VC10	VCS10
	VNL 0063-27						
TNEC66	VNR 0063-33	63.0	400.0	78.40	VS33	VC10	VCS10
	VNL 0063-33						

API

BUTTRESS CASING



DESCRIPTION	TPF	TPI	TEETH	I.C.	T
CNGA64 BUCA 755 E3	3/4"	5	3	19.05 (3/4")	6.35 (4/16")
CNGA64 BUCA 755 I3	3/4"	5	3	19.05 (3/4")	6.35 (4/16")
CNGA64 BUCA 15 E3	1"	5	3	19.05 (3/4")	6.35 (4/16")
CNGA64 BUCA 15 I3	1"	5	3	19.05 (3/4")	6.35 (4/16")

VAM

VAM TOP

DESCRIPTION	VAM REF.	TPF	TPI	TEETH	I.C.	T
CNGA64 VAM TOP 756 E2	SI-TD7502 SI-TD7504	3/4"	6	2	19.05 (3/4")	6.35 (4/16")
CNGA64 VAM TOP 755 E2	SI-TD7500	3/4"	5	2	19.05 (3/4")	6.35 (4/16")
CNGA64 VAM TOP 754 E2	SI-TD7501	3/4"	4	2	19.05 (3/4")	6.35 (4/16")
CNGA64 VAM TOP 754 I2		3/4"	4	2	19.05 (3/4")	6.35 (4/16")
CNGA64 VAM TOP FE 754 E2	SI-TD100280	3/4"	4	2	19.05 (3/4")	6.35 (4/16")

VAM TOP ROUGHERS

DESCRIPTION	TPF	TPI	TEETH	I.C.	T
CNGA64 VAM TOP R756E	3/4"	6	2	19.05 (3/4")	6.35 (4/16")
CNGA64 VAM TOP R755E	3/4"	5	2	19.05 (3/4")	6.35 (4/16")
CNGA64 VAM TOP R755I	3/4"	5	2	19.05 (3/4")	6.35 (4/16")
CNGA64 VAM TOP R754E	3/4"	4	2	19.05 (3/4")	6.35 (4/16")
CNGA64 VAM TOP R754I	3/4"	4	2	19.05 (3/4")	6.35 (4/16")

VAM

VAM DINO

DESCRIPTION	VAM REF.	TPF	TPI	TEETH	I.C.	T
CNGA64 VAM DINO 8.33% 3E	ST-D7200	1"	3	1	19.05 (3/4")	6.35 (4/16")
CNGA64 VAM DINO 8.33% 3I		1"	3	1	19.05 (3/4")	6.35 (4/16")
CNGA64 VAM DINO 12.5% 3E		1 1/2"	3	1	19.05 (3/4")	6.35 (4/16")
CNGA64 VAM DINO 12.5% 3I		1 1/2"	3	1	19.05 (3/4")	6.35 (4/16")

VAM DINO ROUGHING

DESCRIPTION	TPF	TPI	TEETH	I.C.	T
CNGA64 VAM DINO 8.33% R3 E2	1"	3	2	19.05 (3/4")	6.35 (4/16")
CNGA64 VAM DINO 8.33% R3 I2	1"	3	2	19.05 (3/4")	6.35 (4/16")
CNGA64 VAM DINO 12.5% R3 E2	1 1/2"	3	2	19.05 (3/4")	6.35 (4/16")
CNGA64 VAM DINO 12.5% R3 I2	1 1/2"	3	2	19.05 (3/4")	6.35 (4/16")

VAM HP

DESCRIPTION	VAM REF.	TPF	TPI	TEETH	I.C.	T
CNGA64 VAM HP 12.5% 5 E2	SI-TD100609	1 1/2"	5	2	19.05 (3/4")	6.35 (4/16")

VAM HP ROUGHING

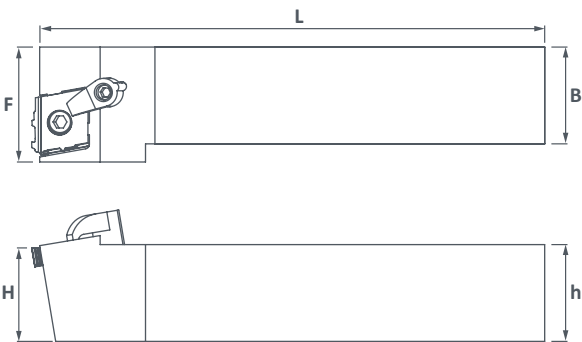
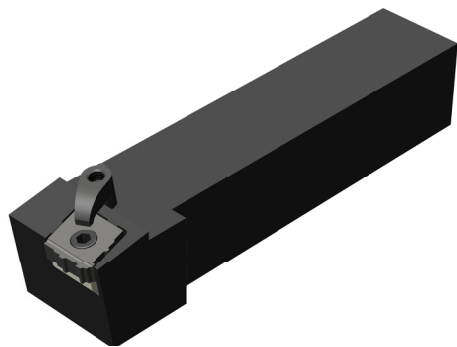
DESCRIPTION	TPF	TPI	TEETH	I.C.	T
CNGA64 VAM HP 12.5% RGH 5 E3	1 1/2"	5	3	19.05 (3/4")	6.35 (4/16")

VAM SLIJ II

DESCRIPTION	VAM REF.	TPF	TPI	TEETH	I.C.	T
CNGA64 VAM SLIJ II 6.25% 8 E2	SI-TD100331	3/4"	8	2	19.05 (3/4")	6.35 (4/16")
CNGA64 VAM SLIJ II 6.25% 8 I2		3/4"	8	2	19.05 (3/4")	6.35 (4/16")
CNGA64 VAM SLIJ II 6.25% 7 E2	SI-TD100136	3/4"	7	2	19.05 (3/4")	6.35 (4/16")
CNGA64 VAM SLIJ II 6.25% 7 I2		3/4"	7	2	19.05 (3/4")	6.35 (4/16")
CNGA64 VAM SLIJ II 6.25% 6 E2	SI-TD100135	3/4"	6	2	19.05 (3/4")	6.35 (4/16")
CNGA64 VAM SLIJ II 6.25% 6 I2		3/4"	6	2	19.05 (3/4")	6.35 (4/16")
CNGA64 VAM SLIJ II 6.25% 5 E2	SI-TD100096	3/4"	5	2	19.05 (3/4")	6.35 (4/16")
CNGA64 VAM SLIJ II 6.25% 5 I2		3/4"	5	2	19.05 (3/4")	6.35 (4/16")

● OTHER VAM SLIJ II PRODUCTS AVAILABLE ON REQUEST

EXTERNAL
CRANKED SHANK - CLAMP & SCREW TYPE

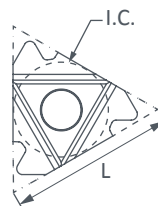
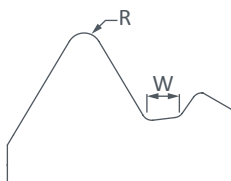
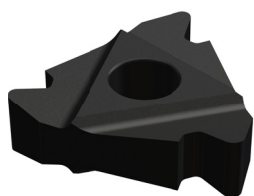


INSERT SIZE	TOOLHOLDER	DIMENSIONS				SPARES			
		H=h	B	L	F	ANVIL	INSERT SCREW	CLAMP	CLAMP SCREW
CNGA64	B16769	32.0	32.0	170.0	38.0	H16769	H312C	NC16A	LS130

● INTERNAL TOOLING ALSO AVAILABLE

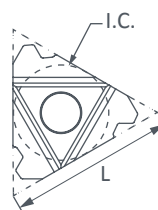
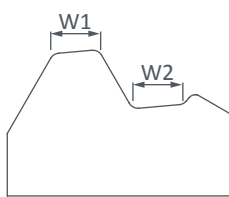
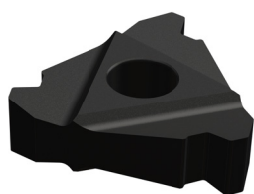
API

ROTARY API SPEC 7-2 - 60° INCLUSIVE



DESCRIPTION	TPF	TPI	R	W	I.C.	L	T
TNEGX54F V3824 #1	2"	4	0.965 (0.038")	1.651 (0.065")	15.875 (5/8")	27	6.35 (1/4")
TNEGX54F V3834 #2	3"	4	0.965 (0.038")	1.651 (0.065")	15.875 (5/8")	27	6.35 (1/4")
TNEGX54F V2524 #3	2"	4	0.635 (0.025")	1.270 (0.050")	15.875 (5/8")	27	6.35 (1/4")
TNEGX54F V2534 #4	3"	4	0.635 (0.025")	1.270 (0.050")	15.875 (5/8")	27	6.35 (1/4")
TNEGX54F V2035 #5	3"	5	0.508 (0.020")	1.016 (0.040")	15.875 (5/8")	27	6.35 (1/4")

PAC AOH - 60° INCLUSIVE



DESCRIPTION	TPF	TPI	W1	W2	I.C.	L	T
TNEGX54F PAC 154	1 1/2"	4	1.702 (0.067")	1.931 (0.076)	15.875 (5/8")	27	6.35 (1/4")

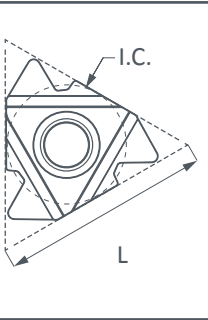
- TNEGX TOOLING ALSO AVAILABLE

INSERT IDENTIFICATION

1	2	3	4	5	6	7
22	E	R	4	API	386	PTX

1 | INSERT SIZE

SIZE	EDGE LENGTH (MM)	I.C.
11	11.00	6.35 (1/4")
16	16.00	9.525 (3/8")
22	22.00	12.70 (1/2")
27	27.00	15.875 (5/8")



2 | INSERT TYPE

E	EXTERNAL
N	INTERNAL

3 | INSERT HANDING

R	RIGHT HAND
L	LEFT HAND
U	NEUTRAL

4 | PITCH OR TPI

PITCH IN MM OR TPI IN THREADS PER INCH

5 | STANDARD

VAM	TOP, ACE, DINO
API	BUCA, RD, IMP BUTT
NS	NSCT, NSCC

6 | ADDITIONAL INFORMATION

2M / 3M	MULTI-TOOTH
SE	SINGLE EDGE INSERT
API THREAD FORM / TAPER I.D.	
386	V0.038R 2TPF
504	V0.050 3TPF
558	V0.055 1 1/2 TPF

7 | GRADE

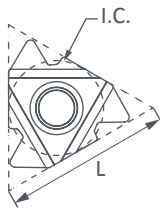
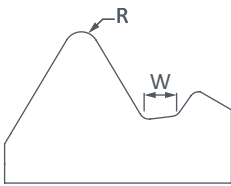
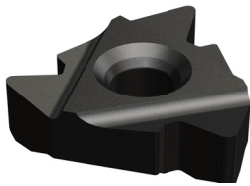
DBC
PTX
PTC2

LAYDOWN PART REFERENCES FOR OILFIELD THREADFORMS

THREAD FORM REFERENCE	CONNECTION REFERENCE	PART REF.
API V0.038R (V0.065 SUPERCEDED BY V0.038 2TPF)	NC23, NC26, NC31, NC35, NC38, NC40, NC44, NC46, NC50 4 FH, 2 3/8 IF, 3 1/2 IF, 4 IF, 4 1/2 IF, 5 1/2 IF	4 API 386
	NC56, NC61, NC70, NC77	4 API 384
API V0.040	2 3/8 REG, 2 7/8 REG, 3 1/2 REG, 4 1/2 REG 3 1/2 FH, 4 1/2 FH	5 API 404
API V0.050	6 5/8 REG, 5 1/2 FH, 6 5/8 FH	4 API 506
	5 1/2 REG, 7 5/8 REG, 8 5/8 REG	4 API 504
API V0.055 AMERICAN MT AMT AMMT	NC10, NC12, NC13, NC16	6 API 558
API ROUND	NUE 1.05 - 3 1/2, EUE/L 1.05 - 1.9, IJ 1.315 - 2.063	10API RD
	NUE 4 - 4 1/2, EUE/L 2 3/8 - 4 1/2, STC 4 1/2 - 20, LTC 4 1/2 - 20	8API RD
API BUTTRESS CASING	4 1/2 - 13 3/8	5 API 2.5
	16 - 20	5 API 2.6
PAC (PACIFIC ASIA CONNECTION) AOH (AMERICAN OPEN HOLE)	2 3/8 - 2 7/8 - 3 1/2	4 PAC

API

ROTARY API SPEC 7-2 - 60° INCLUSIVE



V0.038R

DESCRIPTION	IPF	TPI	R	W	I.C.	L	T
22ER 4API 386	2	4	0.965 (0.038")	1.651 (0.065")	12.70 (1/2")	22	4.76 (0.187")
22NR 4API 386	2	4	0.965 (0.038")	1.651 (0.065")	12.70 (1/2")	22	4.76 (0.187")
22ER 4API 384	3	4	0.965 (0.038")	1.651 (0.065")	12.70 (1/2")	22	4.76 (0.187")
22NR 4API 384	3	4	0.965 (0.038")	1.651 (0.065")	12.70 (1/2")	22	4.76 (0.187")
27ER 4API 386	2	4	0.965 (0.038")	1.651 (0.065")	15.875 (5/8")	27	6.30 (0.248")
27NR 4API 386	2	4	0.965 (0.038")	1.651 (0.065")	15.875 (5/8")	27	6.30 (0.248")
27ER 4API 384	3	4	0.965 (0.038")	1.651 (0.065")	15.875 (5/8")	27	6.30 (0.248")
27NR 4API 384	3	4	0.965 (0.038")	1.651 (0.065")	15.875 (5/8")	27	6.30 (0.248")

V0.040

DESCRIPTION	IPF	TPI	R	W	I.C.	L	T
22ER 5API 404	3	5	0.508 (0.020")	1.061 (0.040")	12.70 (1/2")	22	4.76 (0.187")
22NR 5API 404	3	5	0.508 (0.020")	1.061 (0.040")	12.70 (1/2")	22	4.76 (0.187")

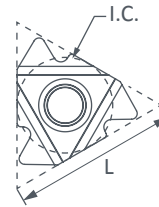
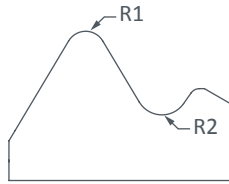
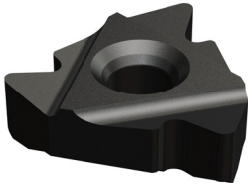
V0.050

DESCRIPTION	IPF	TPI	R	W	I.C.	L	T
22ER 4API 506	2	4	0.635 (0.025")	1.270 (0.050")	12.70 (1/2")	22	4.76 (0.187")
22NR 4API 506	2	4	0.635 (0.025")	1.270 (0.050")	12.70 (1/2")	22	4.76 (0.187")
22ER 4API 504	3	4	0.635 (0.025")	1.270 (0.050")	12.70 (1/2")	22	4.76 (0.187")
22NR 4API 504	3	4	0.635 (0.025")	1.270 (0.050")	12.70 (1/2")	22	4.76 (0.187")
27ER 4API 506	2	4	0.635 (0.025")	1.270 (0.050")	15.875 (5/8")	27	6.30 (0.248")
27NR 4API 506	2	4	0.635 (0.025")	1.270 (0.050")	15.875 (5/8")	27	6.30 (0.248")
27ER 4API 504	3	4	0.635 (0.025")	1.270 (0.050")	15.875 (5/8")	27	6.30 (0.248")
27NR 4API 504	3	4	0.635 (0.025")	1.270 (0.050")	15.875 (5/8")	27	6.30 (0.248")

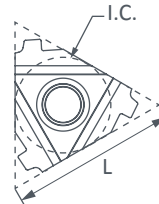
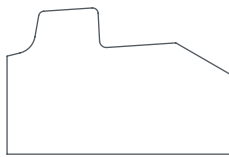
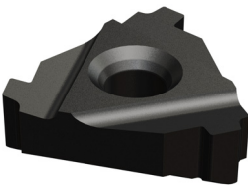
V0.055

DESCRIPTION	IPF	TPI	W		I.C.	L	T
22ER 6API 558	1 1/2	6	1.397 (0.055")		12.70 (1/2")	22	4.76 (0.187")
22NR 6API 558	1 1/2	6	1.397 (0.055")		12.70 (1/2")	22	4.76 (0.187")

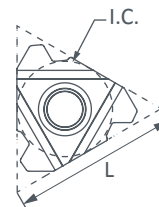
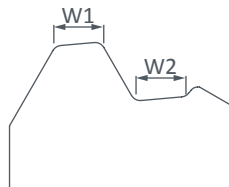
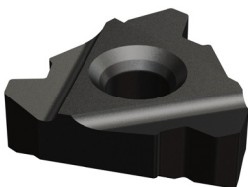
API

ROUND API SPEC 5 - B - 60° INCLUSIVE

DESCRIPTION	IPF	TPI	R1	R2	I.C.	L	T
16ER 10API RD	0.75	10	0.356 (0.014")	0.432 (0.017")	9.525 (3/8")	16	3.50 (0.138")
16NR 10API RD	0.75	10	0.356 (0.014")	0.432 (0.017")	9.525 (3/8")	16	3.50 (0.138")
16ER 8API RD	0.75	8	0.432 (0.017")	0.508 (0.020")	9.525 (3/8")	16	3.50 (0.138")
16NR 8API RD	0.75	8	0.432 (0.017")	0.508 (0.020")	9.525 (3/8")	16	3.50 (0.138")

BUTTRESS CASING API SPEC 5 - B - 10°/3° - 13° INCLUSIVE

DESCRIPTION	IPF	TPI	I.C.	L	T
22ER 5API 2.5	3/4	5	12.70 (1/2")	22	4.76 (0.187")
22NR 5API 2.5	3/4	5	12.70 (1/2")	22	4.76 (0.187")
22ER 5API 2.6	1	5	12.70 (1/2")	22	4.76 (0.187")
22NR 5API 2.6	1	5	12.70 (1/2")	22	4.76 (0.187")

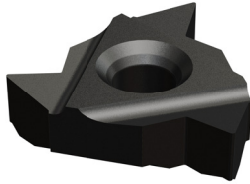
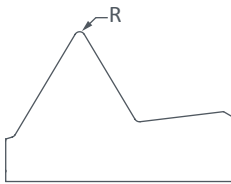
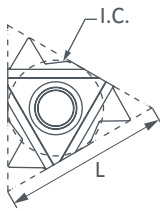
PAC AOH - 60° INCLUSIVE

DESCRIPTION	IPF	TPI	W1	W	I.C.	L	T
22ER 4PAC	1 1/2	4	1.702 (0.067")	1.931 (0.076")	12.70 (1/2")	22	4.76 (0.187")
22NR 4PAC	1 1/2	4	1.702 (0.067")	1.931 (0.076")	12.70 (1/2")	22	4.76 (0.187")
27ER 4PAC	1 1/2	4	1.702 (0.067")	1.931 (0.076")	15.875 (5/8")	27	6.30 (0.248")
27NR 4PAC	1 1/2	4	1.702 (0.067")	1.931 (0.076")	15.875 (5/8")	27	6.30 (0.248")

LAYDOWN

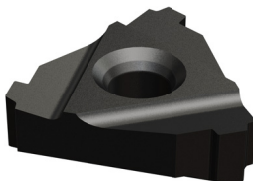
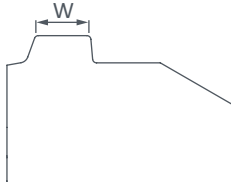
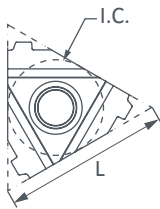
LINE PIPE

NPT ASME/ANSI B1.20.1 - 60° INCLUSIVE - 1/16 TAPER

					
DESCRIPTION	TPI	R. MAX	I.C.	L	T
16ER 27NPT	27	0.060 (0.002")	9.525 (3/8")	16	3.50 (0.138")
16NR 27NPT	27	0.060 (0.002")	9.525 (3/8")	16	3.50 (0.138")
16ER 18NPT	18	0.084 (0.003")	9.525 (3/8")	16	3.50 (0.138")
16NR 18NPT	18	0.084 (0.003")	9.525 (3/8")	16	3.50 (0.138")
16ER 14NPT	14	0.094 (0.004")	9.525 (3/8")	16	3.50 (0.138")
16NR 14NPT	14	0.094 (0.004")	9.525 (3/8")	16	3.50 (0.138")
16ER 11.5NPT	11.5	0.107 (0.004")	9.525 (3/8")	16	3.50 (0.138")
16NR 11.5NPT	11.5	0.107 (0.004")	9.525 (3/8")	16	3.50 (0.138")
16ER 8NPT	8	0.132 (0.005")	9.525 (3/8")	16	3.50 (0.138")
16NR 8NPT	8	0.132 (0.005")	9.525 (3/8")	16	3.50 (0.138")

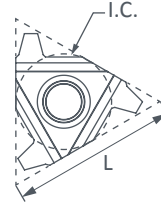
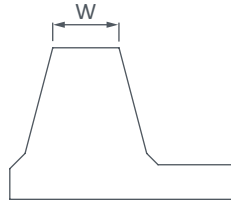
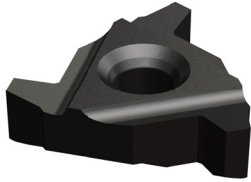
FJWP

FJWP

					
DESCRIPTION	TPI	W	I.C.	L	T
22ER 8FJWP	8	1.588 (0.063")	12.7 (1/2")	22	4.76 (0.187")
22NR 8FJWP	8	1.588 (0.063")	12.7 (1/2")	22	4.76 (0.187")
22ER 6FJWP	6	2.083 (0.082")	12.7 (1/2")	22	4.76 (0.187")
22NR 6FJWP	6	2.083 (0.082")	12.7 (1/2")	22	4.76 (0.187")
22ER 4FJWP	4	3.175 (0.125")	12.7 (1/2")	22	4.76 (0.187")
22NR 4FJWP	4	3.175 (0.125")	12.7 (1/2")	22	4.76 (0.187")

ACME

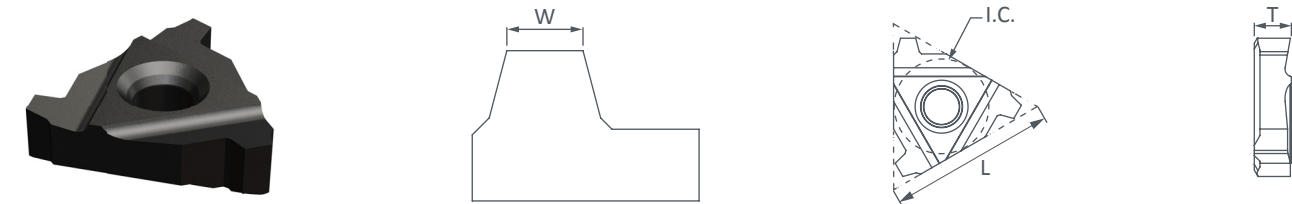
ASME/ANSI B1.5 - 29° INCLUSIVE



DESCRIPTION	TPI	W	I.C.	L	T
16ER 16ACME	16	0.523	9.525 (3/8")	16	3.50 (0.138")
16NR 16ACME	16	0.523	9.525 (3/8")	16	3.50 (0.138")
16ER 14ACME	14	0.607	9.525 (3/8")	16	3.50 (0.138")
16NR 14ACME	14	0.607	9.525 (3/8")	16	3.50 (0.138")
16ER 12ACME	12	0.719	9.525 (3/8")	16	3.50 (0.138")
16NR 12ACME	12	0.719	9.525 (3/8")	16	3.50 (0.138")
16ER 10ACME	10	0.810	9.525 (3/8")	16	3.50 (0.138")
16NR 10ACME	10	0.810	9.525 (3/8")	16	3.50 (0.138")
16ER 8ACME	8	1.045	9.525 (3/8")	16	3.50 (0.138")
16NR 8ACME	8	1.045	9.525 (3/8")	16	3.50 (0.138")
16ER 6ACME SE	6	1.438	9.525 (3/8")	16	3.50 (0.138")
16NR 6ACME SE	6	1.438	9.525 (3/8")	16	3.50 (0.138")
22ER 6ACME	6	1.438	12.70 (1/2")	22	4.76 (0.187")
22NR 6ACME	6	1.438	12.70 (1/2")	22	4.76 (0.187")
22ER 5ACME	5	1.752	12.70 (1/2")	22	4.76 (0.187")
22NR 5ACME	5	1.752	12.70 (1/2")	22	4.76 (0.187")
22ER 4ACME SE	4	2.222	12.70 (1/2")	22	4.76 (0.187")
22NR 4ACME SE	4	2.222	12.70 (1/2")	22	4.76 (0.187")
27ER 4ACME	4	2.222	15.875 (5/8")	27	6.30 (0.248")
27NR 4ACME	4	2.222	15.875 (5/8")	27	6.30 (0.248")

STUB ACME

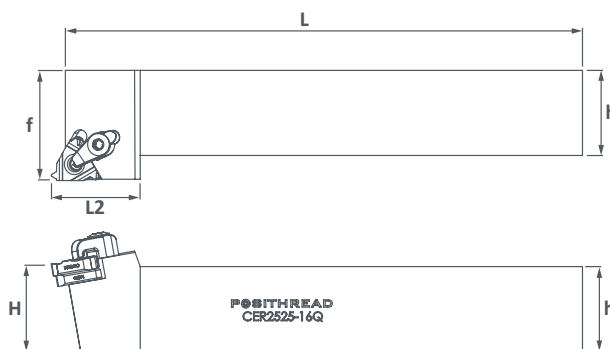
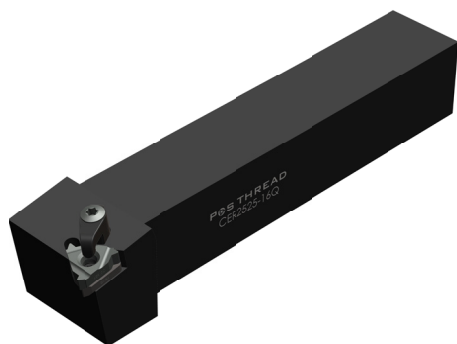
ASME/ANSI B1.8 - 29° INCLUSIVE



DESCRIPTION	TPI	W	I.C.	L	T
16ER 16STACME	16	0.605	9.525 (3/8")	16	3.50 (0.138")
16NR 16STACME	16	0.605	9.525 (3/8")	16	3.50 (0.138")
16ER 14STACME	14	0.701	9.525 (3/8")	16	3.50 (0.138")
16NR 14STACME	14	0.701	9.525 (3/8")	16	3.50 (0.138")
16ER 12STACME	12	0.762	9.525 (3/8")	16	3.50 (0.138")
16NR 12STACME	12	0.762	9.525 (3/8")	16	3.50 (0.138")
16ER 10STACME	10	0.941	9.525 (3/8")	16	3.50 (0.138")
16NR 10STACME	10	0.941	9.525 (3/8")	16	3.50 (0.138")
16ER 8STACME	8	1.210	9.525 (3/8")	16	3.50 (0.138")
16NR 8STACME	8	1.210	9.525 (3/8")	16	3.50 (0.138")
16ER 6STACME	6	1.657	9.525 (3/8")	16	3.50 (0.138")
16NR 6STACME	6	1.657	9.525 (3/8")	16	3.50 (0.138")
22ER 6STACME	6	1.657	12.70 (1/2")	22	4.76 (0.187")
22NR 6STACME	6	1.657	12.70 (1/2")	22	4.76 (0.187")
22ER 5STACME	5	2.014	12.70 (1/2")	22	4.76 (0.187")
22NR 5STACME	5	2.014	12.70 (1/2")	22	4.76 (0.187")
22ER 4STACME	4	2.551	12.70 (1/2")	22	4.76 (0.187")
22NR 4STACME	4	2.551	12.70 (1/2")	22	4.76 (0.187")
27ER 4STACME	4	2.551	15.875 (5/8")	27	6.30 (0.248")
27NR 4STACME	4	2.551	15.875 (5/8")	27	6.30 (0.248")

EXTERNAL

CRANKED SHANK - CLAMP TYPE 1° HELIX WITH STANDARD ANVIL



INSERT SIZE		TOOLHOLDER	DIMENSIONS					SPARES			
mm	INCH		H = h	b	L1	L2	f	ANVIL	ANVIL SCREW	CLAMP	TORQ KEY
16	3/8"	CER 1212-16Q	12	12	100	22	16	GX16-1	AS16	CSP-15	T10-T15
		CER 1616-16Q	16	16	100	22	20				
		CER 2020-16Q	20	20	125	22	25				
		CER 2525-16Q	25	25	150	22	32				
		CER 3232-16Q	32	32	170	22	40				
22	1/2"	CER 2525-22Q	25	25	150	28	32	NX22-1	AS22	CSP-22	T15
		CER 3232-22Q	32	32	170	28	40				
		CER 4040-22Q	40	40	200	28	50				
27	5/8"	CER 2525-27Q	25	25	150	33	32	VX27-1	AS27	CSP-27	T20-T25
		CER 3232-27Q	32	32	170	33	40				
		CER 4040-27Q	40	40	200	33	50				

INTERNAL

PARALLEL SHANK - SCREW TYPE 2° HELIX WITH STANDARD ANVIL



INSERT SIZE		TOOLHOLDER	DIMENSIONS						SPARES	
mm	INCH		D1	D2	L1	h	f	Min Bore	SCREW	TORQ KEY
16	3/8"	SNR 0016-16	16	16	150	14	10.3	19	S11	T7
		SNR 0020-16	20	20	170	18	13	24	S16	T15
22	1/2"	SNR 0020-22	20	20	170	18	14	24	S22	T15

INTERNAL

PARALLEL SHANK - CLAMP TYPE 1° HELIX WITH STANDARD ANVIL



INSERT SIZE		TOOLHOLDER	DIMENSIONS						SPARES			
mm	INCH		D1	D2	L1	h	f	MIN BORE	ANVIL	ANVIL SCREW	CLAMP	TORQ KEY
16	3/8"	CNR 0020-16	20	20.50	170	18	13.80	24	GX16-1	AS16	CSP-16	T10-T15
		CNR 0025-16	25	25.50	250	23	16.30	29				
		CNR 0032-16	32	32.50	250	29	19.80	36				
		CNR 0040-16	40	40.50	300	36	23.80	44				
		CNR 0050-16	50	50.50	350	46	28.80	54				
22	1/2"	CNR 0025-22	25	25.50	250	23	17.80	30	NX22-1	AS22	CSP-22	T15
		CNR 0032-22	32	32.50	250	29	21.30	38				
		CNR 0040-22	40	40.50	300	36	25.30	46				
		CNR 0050-22	50	50.50	350	46	30.30	56				
		CNR 0063-22	63	63.50	400	59	36.80	69				
27	5/8"	CNR 0032-27	32	32.50	250	29	23.00	42	VX27-1	AS27	CSP-27	T20-T25
		CNR 0040-27	40	40.50	300	36	27.30	48				
		CNR 0050-27	50	50.50	350	46	32.20	58				
		CNR 0063-27	63	63.50	400	59	38.70	70				

GRADES

PTX

- AlTiN coating
- Very good all round grade
- Increased tool life over PTC2 by up to 50%
- Heat resistance

DBC

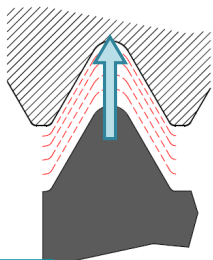
- TiSiN coating
- Developed for hard materials, high chrome steels and exotic materials.
- Heat resistance and oxidation resistance at cutting temperatures of over 1000°C

SPEEDS & FEEDS

	PTX	DBC
MATERIAL SPECIFICATION	METRES PER MINUTE	
1018 LOW CARBON STEEL	145/165 ●	130/140
4140 (18-20 HRC) L80 EN19 EN24 EN34	145/155 ●	120/130
9% - 13% CHROME	115/125 ●	110/120
4140 (30-32 HRC)	90/110 ●	90/105
4145 (36 HRC)	90/110 ●	85/102
T316-17-4PH	105/135 ●	85/115
410 STAINLESS	135/150 ●	115/128
25% CHROME	60/75	58/70 ●
SUPER 13% 95KSI	105/115	95/105 ●
INCONEL 625	35/40	32/38 ●
INCONEL 925	28/32	26/30 ●
INCONEL 718	29/33	28/32 ●
K MONEL	30/36	26/30 ●

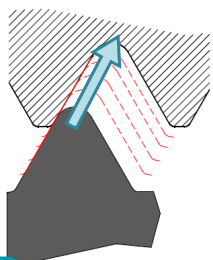
● FIRST CHOICE FOR CHOSEN MATERIAL

INFEEDS



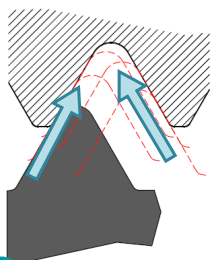
RADIAL

- Equal wear on leading & trailing edges.
- Use on work hardening materials.
- Use on short chipping materials.



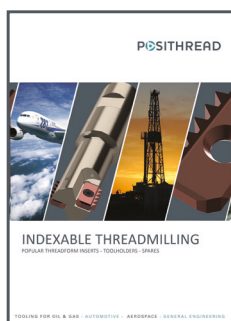
FLANK

- Reduced cutting pressure on larger pitches.
- Directs chips away from cutting edge.
- Displaced in-feed angle improves surface finish.



ALTERNATE FLANK

- Recommended for long chipping materials.
- Method divides the work between both flanks.
- Less cutting pressure.



POSITHREAD

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