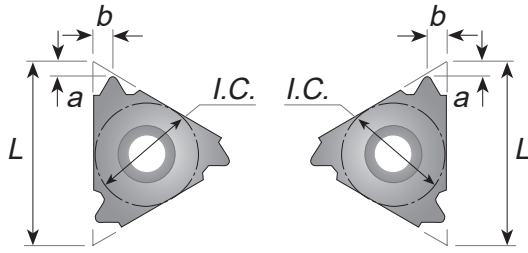


**KONRAD
TOOLS**

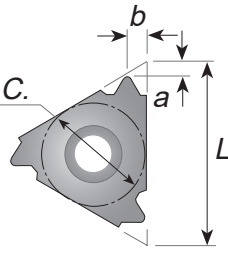


THREADING

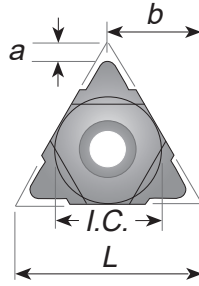
PARTIAL PROFILE 60°



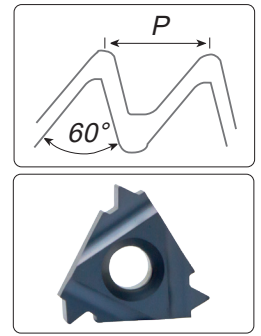
EXTERNAL RIGHT
INTERNAL LEFT



INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N

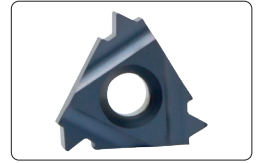
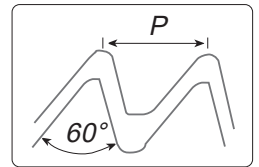
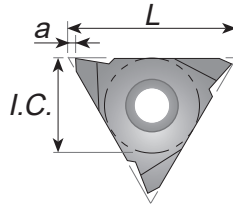
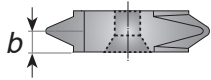


● ON STOCK ○ UNDER REQUEST

MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAlN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
6IRA60	0.5-1.25	48-20	6	0.6	0.6		●	○
8IRA60	0.5-1.5	48-16	8	0.6	0.7		●	○
11ERA60	0.5-1.5	48-16	11	0.8	0.9		●	○
11IRA60							●	○
16ERA60	0.5-1.5	48-16	16	0.8	0.9		●	○
16IRA60							●	○
16ERG60	1.75-3.0	14-8	16	1.2	1.7		●	○
16IRG60							●	○
16ERAG60	0.5-3.0	48-8	16	1.2	1.7		●	○
16IRAG60							●	○
22ERN60	3.5-5.0	7-5	22	1.7	2.5		●	○
22IRN60							●	○
27ERQ60	5.5-6.0	4.5-2.75	27	2.1	3.1		●	○
27IRQ60							●	○
LEFT HAND INSERTS								
6ILA60	0.5-1.25	48-20	6	0.6	0.6		○	○
8ILA60	0.5-1.5	48-16	8	0.6	0.7		○	○
11ELA60	0.5-1.5	48-16	11	0.8	0.9		○	○
11ILA60							○	○
16ELA60	0.5-1.5	48-16	16	0.8	0.9		○	○
16ILA60							○	○
16ELG60	1.75-3.0	14-8	16	1.2	1.7		○	○
16ILG60							○	○
16ELAG60	0.5-3.0	48-8	16	1.2	1.7		○	○
16ILAG60							○	○
22ELN60	3.5-5.0	7-5	22	1.7	2.5		○	○
22ILN60							○	○
27ELQ60	5.5-6.0	4.5-2.75	27	2.1	3.1		○	○
27ILQ60							○	○

PARTIAL PROFILE 60°

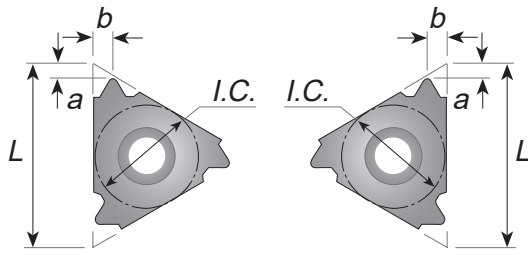


● ON STOCK ○ UNDER REQUEST

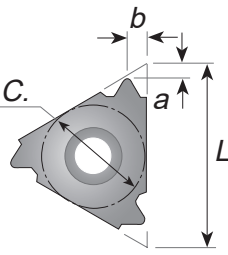
MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
16VERA60	0,5-1,5	48-16	16	1	0,9		●	○
16VERG60	1,75-3,0	14-8	16	1	1,8		●	○
16VERAG60	0,5-3,0	48-8	16	1	1,8		●	○
LEFT HAND INSERTS								
16VELA60	0,5-1,5	48-16	16	1	0,9		○	○
16VELG60	1,75-3,0	14-8	16	1	1,8		○	○
16VELAG60	0,5-3,0	48-8	16	1	1,8		○	○

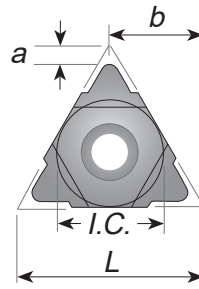
PARTIAL PROFILE 55°



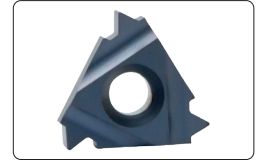
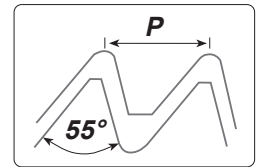
EXTERNAL RIGHT
INTERNAL LEFT



INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N



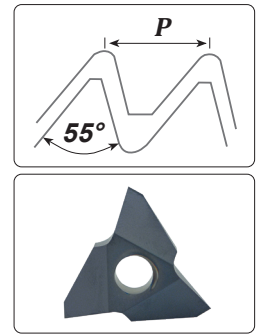
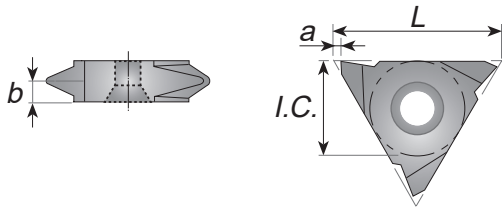
MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK

○ UNDER REQUEST

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAlN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
6IRA55	0.5-1.25	48-20	6	0.5	0.6		●	○
8IRA55	0.5-1.5	48-16	8	0.6	0.7		●	○
11ERA55	0.5-1.5	48-16	11	0.8	0.9		●	○
11IRA55							●	○
16ERA55	0.5-1.5	48-16	16	0.8	0.9		●	○
16IRA55							●	○
16ERG55	1.75-3.0	14-8	16	1.2	1.7		●	○
16IRG55							●	○
16ERAG55	0.5-3.0	48-8	16	1.2	1.7		●	○
16IRAG55							●	○
22ERN55	3.5-5.0	7-5	22	1.7	2.5		●	○
22IRN55							●	○
27ERQ55	5.5-6.0	4.5-4	27	2.0	2.9		●	○
27IRQ55							●	○
LEFT HAND INSERTS								
6ILA55	0.5-1.25	48-20	6	0.5	0.6		○	○
8ILA55	0.5-1.5	48-16	8	0.6	0.7		○	○
11ELA55	0.5-1.5	48-16	11	0.8	0.9		○	○
11ILA55							○	○
16ELA55	0.5-1.5	48-16	16	0.8	0.9		○	○
16ILA55							○	○
16ELG55	1.75-3.0	14-8	16	1.2	1.7		○	○
16ILG55							○	○
16ELAG55	0.5-3.0	48-8	16	1.2	1.7		○	○
16ILAG55							○	○
22ELN55	3.5-5.0	7-5	22	1.7	2.5		○	○
22ILN55							○	○
27ELQ55	5.5-6.0	4.5-4	27	2.0	2.9		○	○
27ILQ55							○	○

PARTIAL PROFILE 55° - VERTICAL INSERT

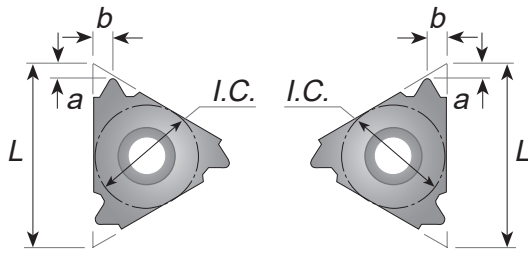


MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK ○ UNDER REQUEST

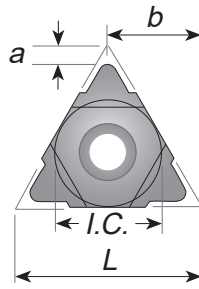
DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAlN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
16VERA55	0,5-1,5	48-16	16	1	0,9		●	○
16VERAG55	0,5-3,0	48-8	16	1	1,8		●	○
16VERG55	1,75-3,0	14-8	16	1	1,7		●	○
LEFT HAND INSERTS								
16VELA55	0,5-1,5	48-16	16	1	0,9		○	○
16VELAG55	0,5-3,0	48-8	16	1	1,8		○	○
16VELG55	1,75-3,0	14-8	16	1	1,7		○	○

ISO METRIC

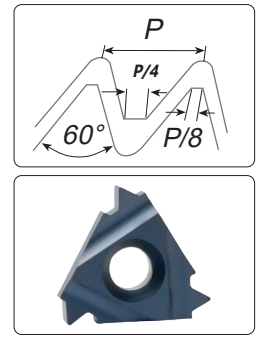


EXTERNAL RIGHT
INTERNAL LEFT

INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N



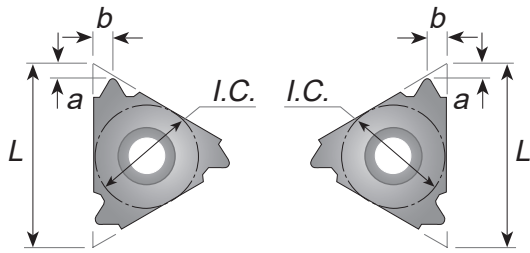
MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK

○ UNDER REQUEST

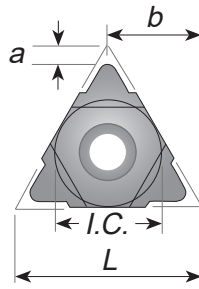
DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
6IR0,5ISO	0.5	-	6	0.9	0.5		●	○
6IR0,75ISO	0.75	-	6	0.8	0.5		●	○
6IR1,0ISO	1.0	-	6	0.7	0.6		●	○
6IR1,25ISO	1.25	-	6	0.6	0.6		●	○
8IR0,5ISO	0.5	-	8	0.6	0.5		●	○
8IR0,75ISO	0.75	-	8	0.6	0.5		●	○
8IR1,0ISO	1.0	-	8	0.6	0.6		●	○
8IR1,25ISO	1.25	-	8	0.6	0.7		●	○
8IR1,5ISO	1.5	-	8	0.6	0.7		●	○
8IR1,75ISO	1.75	-	8	0.6	0.8		●	○
LEFT HAND INSERTS								
6IL0,5ISO	0.5	-	6	0.9	0.5		○	○
6IL0,75ISO	0.75	-	6	0.8	0.5		○	○
6IL1,0ISO	1.0	-	6	0.7	0.6		○	○
6IL1,25ISO	1.25	-	6	0.6	0.6		○	○
8IL0,5ISO	0.5	-	8	0.6	0.5		○	○
8IL0,75ISO	0.75	-	8	0.6	0.5		○	○
8IL1,0ISO	1.0	-	8	0.6	0.6		○	○
8IL1,25ISO	1.25	-	8	0.6	0.7		○	○
8IL1,5ISO	1.5	-	8	0.6	0.7		○	○
8IL1,75ISO	1.75	-	8	0.6	0.8		○	○

ISO METRIC

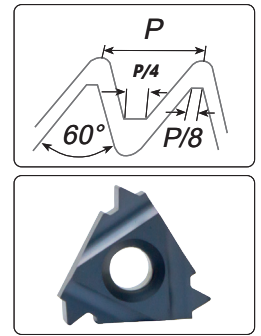


EXTERNAL RIGHT
INTERNAL LEFT

INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N

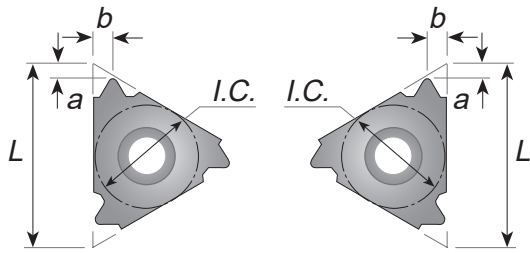


● ON STOCK ○ UNDER REQUEST

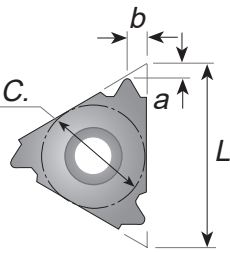
MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
11ER0,35ISO	0.35	-	11	0.8	0.4		●	○
11IR0,35ISO					0.3		●	○
11ER0,4ISO	0.4	-	11	0.7	0.4		●	○
11IR0,4ISO					0.8		●	○
11ER0,45ISO	0.45	-	11	0.7	0.4		●	○
11IR0,45ISO					0.8		●	○
11ER0,5ISO	0.5	-	11	0.6	0.6		●	○
11IR0,5ISO							●	○
11ER0,6ISO	0.6	-	11	0.6	0.6		●	○
11IR0,6ISO							●	○
11ER0,7ISO	0.7	-	11	0.6	0.6		●	○
11IR0,7ISO							●	○
11ER0,75ISO	0.75	-	11	0.6	0.6		●	○
11IR0,75ISO							●	○
LEFT HAND INSERTS								
11EL0,35ISO	0.35	-	11	0.8	0.4		○	○
11IL0,35ISO					0.3		○	○
11EL0,4ISO	0.4	-	11	0.7	0.4		○	○
11IL0,4ISO					0.8		○	○
11EL0,45ISO	0.45	-	11	0.7	0.4		○	○
11IL0,45ISO					0.8		○	○
11EL0,5ISO	0.5	-	11	0.6	0.6		○	○
11IL0,5ISO							○	○
11EL0,6ISO	0.6	-	11	0.6	0.6		○	○
11IL0,6ISO							○	○
11EL0,7ISO	0.7	-	11	0.6	0.6		○	○
11IL0,7ISO							○	○
11EL0,75ISO	0.75	-	11	0.6	0.6		○	○
11IL0,75ISO							○	○

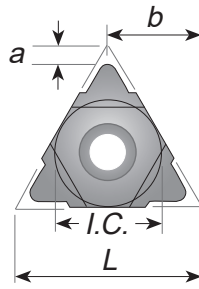
ISO METRIC



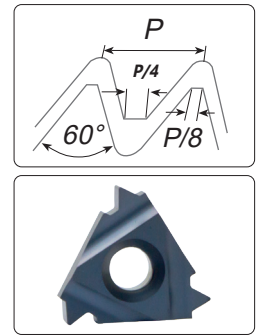
EXTERNAL RIGHT
INTERNAL LEFT



INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N

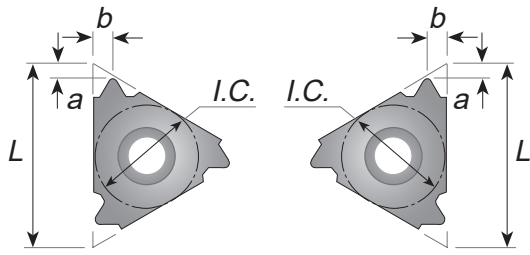


● ON STOCK ○ UNDER REQUEST

MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

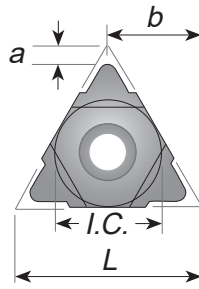
DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
11ER0,8ISO	0.8	-	11	0.6	0.6		●	○
11IR0,8ISO							●	○
11ER1,0ISO	1.0	-	11	0.7	0.7		●	○
11IR1,0ISO				0.6	0.7		●	○
11ER1,25ISO	1.25	-	11	0.8	0.9		●	○
11IR1,25ISO					0.8		●	○
11ER1,5ISO	1.5	-	11	0.8	1.0		●	○
11IR1,5ISO							●	○
11ER1,75ISO	1.75	-	11	0.8	1.1		●	○
11IR1,75ISO							●	○
11ER2,0ISO	2.0	-	11	0.8	1.1		●	○
11IR2,0ISO					0.9		●	○
11IR2,5ISO	2.5	-	11	0.8	1.2		●	○
LEFT HAND INSERTS								
11EL0,8ISO	0.8	-	11	0.6	0.6		○	○
11IL0,8ISO							○	○
11EL1,0ISO	1.0	-	11	0.7	0.7		○	○
11IL1,0ISO				0.6	0.7		○	○
11EL1,25ISO	1.25	-	11	0.8	0.9		○	○
11IL1,25ISO					0.8		○	○
11EL1,5ISO	1.5	-	11	0.8	1.0		○	○
11IL1,5ISO							○	○
11EL1,75ISO	1.75	-	11	0.8	1.1		○	○
11IL1,75ISO							○	○
11EL2,0ISO	2.0	-	11	0.8	1.1		○	○
11IL2,0ISO					0.9		○	○
11IL2,5ISO	2.5	-	11	0.8	1.2		○	○

ISO METRIC

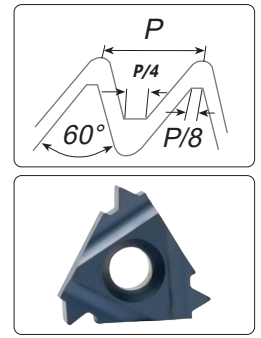


EXTERNAL RIGHT
INTERNAL LEFT

INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N

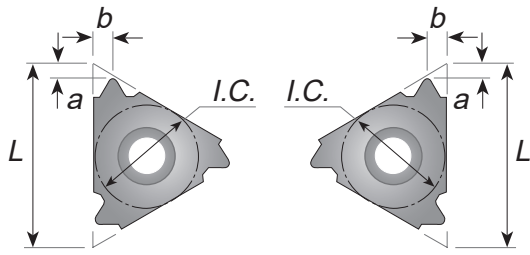


● ON STOCK ○ UNDER REQUEST

MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

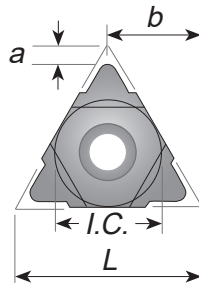
DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
16ER0,35ISO	0.35	-	16	0.8	0.4		●	○
16IR0,35ISO					0.3		●	○
16ER0,4ISO	0.4	-	16	0.7	0.4		●	○
16IR0,4ISO					0.8		●	○
16ER0,45ISO	0.45	-	16	0.7	0.4		●	○
16IR0,45ISO					0.8		●	○
16ER0,5ISO	0.5	-	16	0.6	0.6		●	○
16IR0,5ISO							●	○
16ER0,6ISO	0.6	-	16	0.6	0.6		●	○
16IR0,6ISO							●	○
16ER0,7ISO	0.7	-	16	0.6	0.6		●	○
16IR0,7ISO							●	○
16ER0,75ISO	0.75	-	16	0.6	0.6		●	○
16IR0,75ISO							●	○
LEFT HAND INSERTS								
16EL0,35ISO	0.35	-	16	0.8	0.4		○	○
16IL0,35ISO					0.3		○	○
16EL0,4ISO	0.4	-	16	0.7	0.4		○	○
16IL0,4ISO					0.8		○	○
16EL0,45ISO	0.45	-	16	0.7	0.4		○	○
16IL0,45ISO					0.8		○	○
16EL0,5ISO	0.5	-	16	0.6	0.6		○	○
16IL0,5ISO							○	○
16EL0,6ISO	0.6	-	16	0.6	0.6		○	○
16IL0,6ISO							○	○
16EL0,7ISO	0.7	-	16	0.6	0.6		○	○
16IL0,7ISO							○	○
16EL0,75ISO	0.75	-	16	0.6	0.6		○	○
16IL0,75ISO							○	○

ISO METRIC

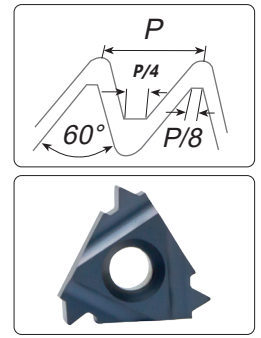


EXTERNAL RIGHT
INTERNAL LEFT

INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N

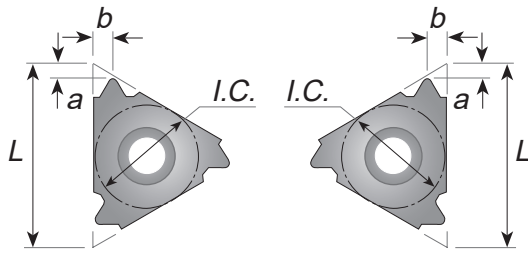


● ON STOCK ○ UNDER REQUEST

MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

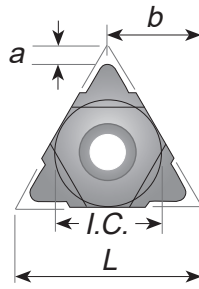
DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAlN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
16ER0,8ISO	0.8	-	16	0.6	0.6		●	○
16IR0,8ISO							●	○
16ER1,0ISO	1.0	-	16	0.7	0.7		●	○
16IR1,0ISO				0.6	0.7		●	○
16ER1,25ISO	1.25	-	16	0.8	0.9		●	○
16IR1,25ISO							●	○
16ER1,5ISO	1.5	-	16	0.8	1.0		●	○
16IR1,5ISO							●	○
16ER1,75ISO	1.75	-	16	0.9	1.2		●	○
16IR1,75ISO							●	○
16ER2,0ISO	2.0	-	16	1.0	1.3		●	○
16IR2,0ISO							●	○
16ER2,5ISO	2.5	-	16	1.1	1.5		●	○
16IR2,5ISO							●	○
LEFT HAND INSERTS								
16EL0,8ISO	0.8	-	16	0.6	0.6		○	○
16IL0,8ISO							○	○
16EL1,0ISO	1.0	-	16	0.7	0.7		○	○
16IL1,0ISO				0.6	0.7		○	○
16EL1,25ISO	1.25	-	16	0.8	0.9		○	○
16IL1,25ISO							○	○
16EL1,5ISO	1.5	-	16	0.8	1.0		○	○
16IL1,5ISO							○	○
16EL1,75ISO	1.75	-	16	0.9	1.2		○	○
16IL1,75ISO							○	○
16EL2,0ISO	2.0	-	16	1.0	1.3		○	○
16IL2,0ISO							○	○
16EL2,5ISO	2.5	-	16	1.1	1.5		○	○
16IL2,5ISO							○	○

ISO METRIC

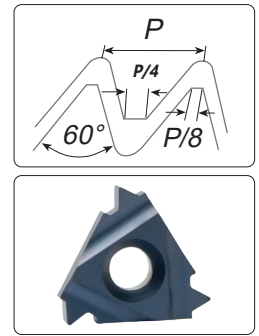


EXTERNAL RIGHT
INTERNAL LEFT

INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N

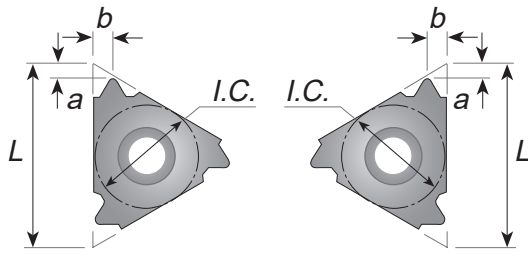


● ON STOCK ○ UNDER REQUEST

MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

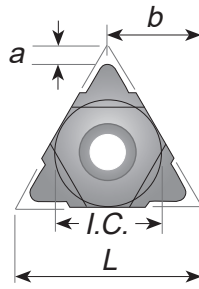
DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
16ER3,0ISO	3.0	-	16	1.2	1.6		●	○
16IR3,0ISO				1.1	1.5		●	○
16ER3,5ISO	3.5	-	16	1.2	1.7		●	○
16IR3,5ISO							●	○
22ER3,5ISO	3.5	-	22	1.6	2.3		●	○
22IR3,5ISO							●	○
22ER4,0ISO	4.0	-	22	1.6	2.3		●	○
22IR4,0ISO							●	○
22ER4,5ISO	4.5	-	22	1.7	2.4		●	○
22IR4,5ISO				1.6	2.4		●	○
22ER5,0ISO	5.0	-	22	1.7	2.5		●	○
22IR5,0ISO				1.6	2.3		●	○
22IR5,5ISO	5.5	-	22	1.6	2.3		●	○
LEFT HAND INSERTS								
16EL3,0ISO	3.0	-	16	1.2	1.6		○	○
16IL3,0ISO				1.1	1.5		○	○
16EL3,5ISO	3.5	-	16	1.2	1.7		○	○
16IL3,5ISO							○	○
22EL3,5ISO	3.5	-	22	1.6	2.3		○	○
22IL3,5ISO							○	○
22EL4,0ISO	4.0	-	22	1.6	2.3		○	○
22IL4,0ISO							○	○
22EL4,5ISO	4.5	-	22	1.7	2.4		○	○
22IL4,5ISO				1.6	2.4		○	○
22EL5,0ISO	5.0	-	22	1.7	2.5		○	○
22IL5,0ISO				1.6	2.3		○	○
22IL5,5ISO	5.5	-	22	1.6	2.3		○	○

ISO METRIC

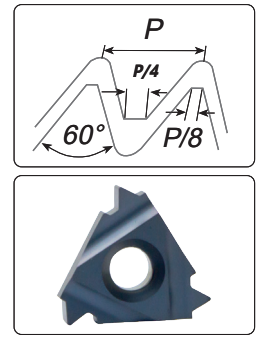


EXTERNAL RIGHT
INTERNAL LEFT

INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N

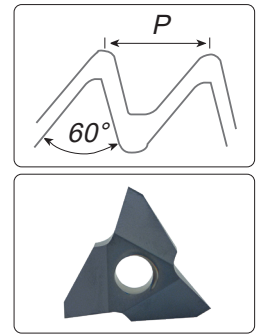
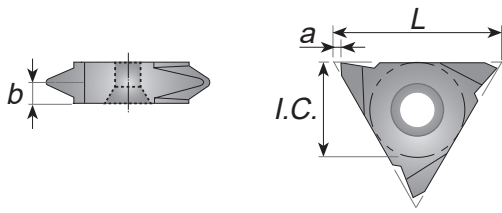


● ON STOCK ○ UNDER REQUEST

MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAlN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
22ER6,0ISO*	6.0	-	22	1.9	2.7		●	○
22IR6,0ISO				1.6	2.4		●	○
22NER5,5ISO	5.5	-	22N	2.3	11.0		●	○
22NIR5,5ISO				2.4	11.0		●	○
22NER6,0ISO	6.0	-	22N	2.6	11.0		●	○
22NIR6,0ISO				2.1	11.0		●	○
27ER5,5ISO	5.5	-	27	1.9	2.7		●	○
27IR5,5ISO				1.6	2.3		●	○
27ER6,0ISO	6.0	-	27	2.0	2.9		●	○
27IR6,0ISO				1.8	2.5		●	○
LEFT HAND INSERTS								
22EL6,0ISO*	6.0	-	22	1.9	2.7		○	○
22IL6,0ISO				1.6	2.4		○	○
22NEL5,5ISO	5.5	-	22N	2.3	11.0		○	○
22NIL5,5ISO				2.4	11.0		○	○
22NEL6,0ISO	6.0	-	22N	2.6	11.0		○	○
22NIL6,0ISO				2.1	11.0		○	○
27EL5,5ISO	5.5	-	27	1.9	2.7		○	○
27IL5,5ISO				1.6	2.3		○	○
27EL6,0ISO	6.0	-	27	2.0	2.9		○	○
27IL6,0ISO				1.8	2.5		○	○

ISO METRIC - VERTICAL INSERT

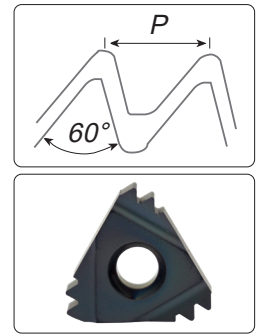
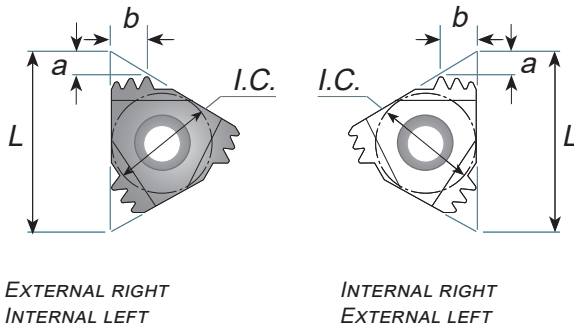


MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK ○ UNDER REQUEST

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
16VER0,5ISO	0.5	-	16	1.0	0.6		●	○
16VER0,75ISO	0.75	-	16	1.0	0.6		●	○
16VER0,8ISO	0.8	-	16	1.0	0.6		●	○
16VER1,0ISO	1.0	-	16	1.0	0.7		●	○
16VER1,25ISO	1.25	-	16	1.0	0.9		●	○
16VER1,5ISO	1.5	-	16	1.0	0.9		●	○
16VER1,75ISO	1.75	-	16	1.0	1.2		●	○
16VER2,0ISO	2.0	-	16	1.0	1.3		●	○
16VER2,5ISO	2.5	-	16	1.0	1.5		●	○
16VER3,0ISO	3.0	-	16	1.0	1.7		●	○
LEFT HAND INSERTS								
16VEL0,5ISO	0.5	-	16	1.0	0.6		○	○
16VEL0,75ISO	0.75	-	16	1.0	0.6		○	○
16VEL0,8ISO	0.8	-	16	1.0	0.6		○	○
16VEL1,0ISO	1.0	-	16	1.0	0.7		○	○
16VEL1,25ISO	1.25	-	16	1.0	0.9		○	○
16VEL1,5ISO	1.5	-	16	1.0	0.9		○	○
16VEL1,75ISO	1.75	-	16	1.0	1.2		○	○
16VEL2,0ISO	2.0	-	16	1.0	1.3		○	○
16VEL2,5ISO	2.5	-	16	1.0	1.5		○	○
16VEL3,0ISO	3.0	-	16	1.0	1.7		○	○

ISO METRIC - MULTI TOOTH

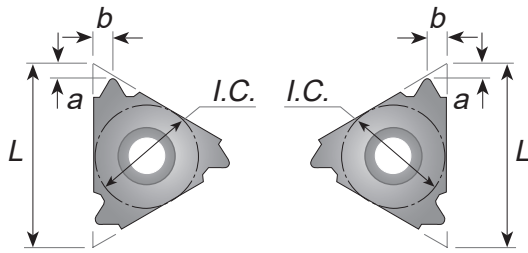


● ON STOCK ○ UNDER REQUEST

MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

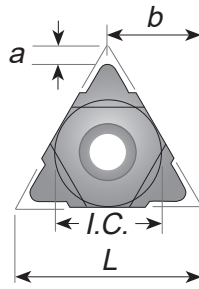
DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAlN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
16ER1,0ISO3M	1.0	-	16	1.7	2.5		●	○
16IR1,0ISO3M							●	○
16ER1,5ISO2M	1.5	-	16	1.5	2.3		●	○
16IR1,5ISO2M							●	○
22ER1,5ISO3M	1.5	-	22	2.3	3.7		●	○
22IR1,5ISO3M							●	○
22ER2,0ISO2M	2.0	-	22	2.0	3.0		●	○
22IR2,0ISO2M							●	○
22ER2,0ISO3M	2.0	-	22	3.1	5.0		●	○
22IR2,0ISO3M							●	○
27ER3,0ISO2M	3.0	-	27	2.9	4.6		●	○
27IR3,0ISO2M							●	○
LEFT HAND INSERTS								
16EL1,0ISO3M	1.0	-	16	1.7	2.5		○	○
16IL1,0ISO3M							○	○
16EL1,5ISO2M	1.5	-	16	1.5	2.3		○	○
16IL1,5ISO2M							○	○
22EL1,5ISO3M	1.5	-	22	2.3	3.7		○	○
22IL1,5ISO3M							○	○
22EL2,0ISO2M	2.0	-	22	2.0	3.0		○	○
22IL2,0ISO2M							○	○
22EL2,0ISO3M	2.0	-	22	3.1	5.0		○	○
22IL2,0ISO3M							○	○
27EL3,0ISO2M	3.0	-	27	2.9	4.6		○	○
27IL3,0ISO2M							○	○

UN UNIFIED THREAD

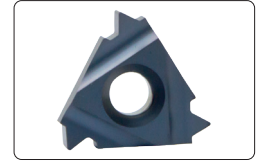
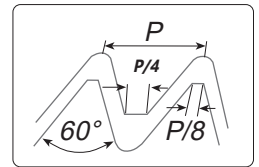


EXTERNAL RIGHT
INTERNAL LEFT

INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N



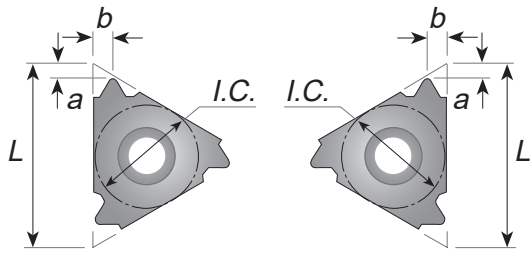
MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK

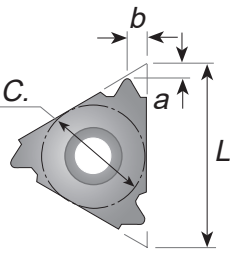
○ UNDER REQUEST

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
6IR32UN	-	32	6	0.8	0.5		●	○
6IR28UN	-	28	6	0.8	0.6		●	○
6IR24UN	-	24	6	0.7	0.6		●	○
6IR20UN	-	20	6	0.6	0.6		●	○
6IR18UN	-	18	6	0.6	0.7		●	○
8IR32UN	-	32	8	0.6	0.5		●	○
8IR28UN	-	28	8	0.6	0.6		●	○
8IR24UN	-	24	8	0.6	0.6		●	○
8IR20UN	-	20	8	0.6	0.7		●	○
8IR18UN	-	18	8	0.6	0.7		●	○
8IR16UN	-	16	8	0.6	0.7		●	○
8IR14UN	-	14	8	0.6	0.8		●	○
8IR13UN	-	13	8	0.8	0.9		●	○
LEFT HAND INSERTS								
6IL32UN	-	32	6	0.8	0.5		○	○
6IL28UN	-	28	6	0.8	0.6		○	○
6IL24UN	-	24	6	0.7	0.6		○	○
6IL20UN	-	20	6	0.6	0.6		○	○
6IL18UN	-	18	6	0.6	0.7		○	○
8IL32UN	-	32	8	0.6	0.5		○	○
8IL28UN	-	28	8	0.6	0.6		○	○
8IL24UN	-	24	8	0.6	0.6		○	○
8IL20UN	-	20	8	0.6	0.7		○	○
8IL18UN	-	18	8	0.6	0.7		○	○
8IL16UN	-	16	8	0.6	0.7		○	○
8IL14UN	-	14	8	0.6	0.8		○	○
8IL13UN	-	13	8	0.8	0.9		○	○

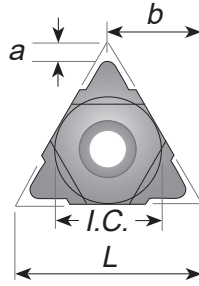
UN UNIFIED THREAD



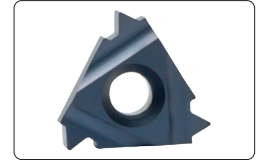
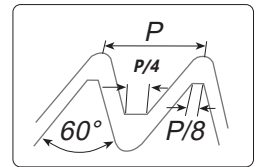
EXTERNAL RIGHT
INTERNAL LEFT



INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N



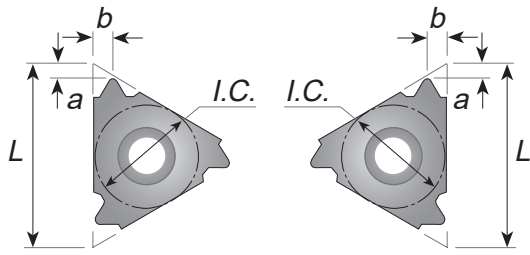
MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK

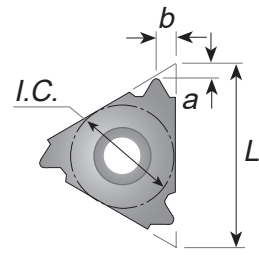
○ UNDER REQUEST

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
11ER72UN	-	72	11	0.8	0.4		●	○
11IR72UN				0.8	0.3		●	○
11ER64UN	-	64	11	0.8	0.4		●	○
11IR64UN							●	○
11ER56UN	-	56	11	0.7	0.4		●	○
11IR56UN							●	○
11ER48UN	-	48	11	0.6	0.6		●	○
11IR48UN							●	○
11ER44UN	-	44	11	0.6	0.6		●	○
11IR44UN							●	○
11ER40UN	-	40	11	0.6	0.6		●	○
11IR40UN							●	○
11ER36UN	-	36	11	0.6	0.6		●	○
11IR36UN							●	○
LEFT HAND INSERTS								
11EL72UN	-	72	11	0.8	0.4		○	○
11IL72UN				0.8	0.3		○	○
11EL64UN	-	64	11	0.8	0.4		○	○
11IL64UN							○	○
11EL56UN	-	56	11	0.7	0.4		○	○
11IL56UN							○	○
11EL48UN	-	48	11	0.6	0.6		○	○
11IL48UN							○	○
11EL44UN	-	44	11	0.6	0.6		○	○
11IL44UN							○	○
11EL40UN	-	40	11	0.6	0.6		○	○
11IL40UN							○	○
11EL36UN	-	36	11	0.6	0.6		○	○
11IL36UN							○	○

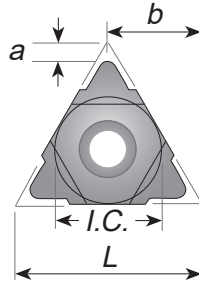
UN UNIFIED THREAD



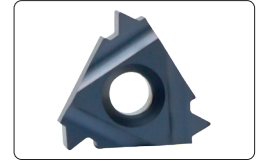
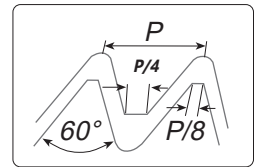
EXTERNAL RIGHT
INTERNAL LEFT



INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N



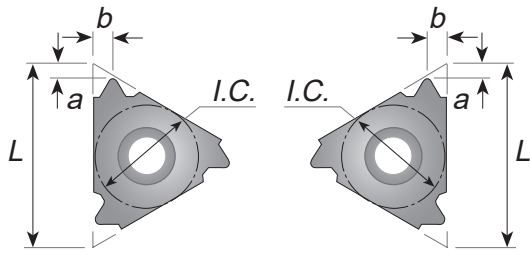
MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK

○ UNDER REQUEST

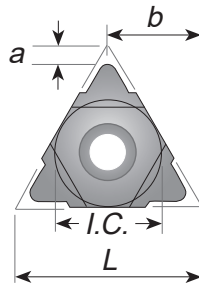
DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
11ER32UN	-	32	11	0.6	0.6		●	○
11IR32UN							●	○
11ER28UN	-	28	11	0.6	0.7		●	○
11IR28UN							●	○
11ER27UN	-	27	11	0.7	0.8		●	○
11IR27UN							●	○
11ER24UN	-	24	11	0.7	0.8		●	○
11IR24UN							●	○
11ER20UN	-	20	11	0.8	0.9		●	○
11IR20UN							●	○
11ER18UN	-	18	11	0.8	1.0		●	○
11IR18UN							●	○
11ER16UN	-	16	11	0.9	1.1		●	○
11IR16UN							●	○
LEFT HAND INSERTS								
11EL32UN	-	32	11	0.6	0.6		○	○
11IL32UN							○	○
11EL28UN	-	28	11	0.6	0.7		○	○
11IL28UN							○	○
11EL27UN	-	27	11	0.7	0.8		○	○
11IL27UN							○	○
11EL24UN	-	24	11	0.7	0.8		○	○
11IL24UN							○	○
11EL20UN	-	20	11	0.8	0.9		○	○
11IL20UN							○	○
11EL18UN	-	18	11	0.8	1.0		○	○
11IL18UN							○	○
11EL16UN	-	16	11	0.9	1.1		○	○
11IL16UN							○	○

UN UNIFIED THREAD

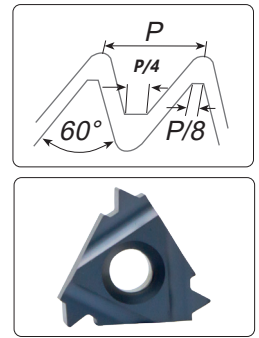


EXTERNAL RIGHT
INTERNAL LEFT

INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N

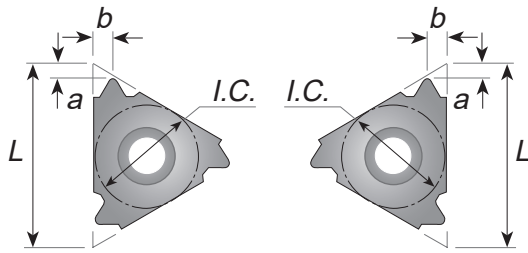


● ON STOCK ○ UNDER REQUEST

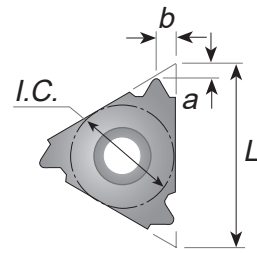
MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
11ER14UN	-	14	11	0.9	1.1		●	○
11IR14UN							●	○
11IR13UN							●	○
11IR12UN							●	○
11IR11UN							●	○
LEFT HAND INSERTS								
11EL14UN	-	14	11	0.9	1.1		○	○
11IL14UN							○	○
11IL13UN							○	○
11IL12UN							○	○
11IL11UN							○	○

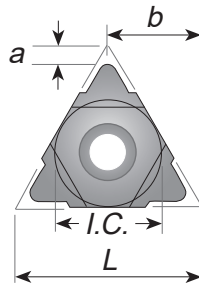
UN UNIFIED THREAD



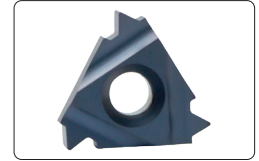
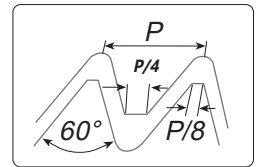
EXTERNAL RIGHT
INTERNAL LEFT



INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N

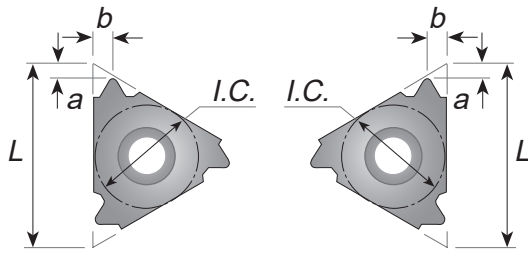


MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK ○ UNDER REQUEST

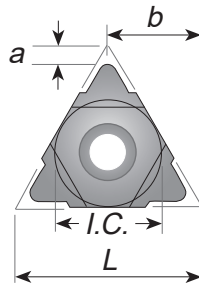
DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAlN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
16ER72UN	-	72	16	0.8	0.4		●	○
16IR72UN				0.8	0.3		●	○
16ER64UN	-	64	16	0.8	0.4		●	○
16IR64UN							●	○
16ER56UN	-	56	16	0.7	0.4		●	○
16IR56UN							●	○
16ER48UN	-	48	16	0.6	0.6		●	○
16IR48UN							●	○
16ER44UN	-	44	16	0.6	0.6		●	○
16IR44UN							●	○
16ER40UN	-	40	16	0.6	0.6		●	○
16IR40UN							●	○
16ER36UN	-	36	16	0.6	0.6		●	○
16IR36UN							●	○
LEFT HAND INSERTS								
16EL72UN	-	72	16	0.8	0.4		○	○
16IL72UN				0.8	0.3		○	○
16EL64UN	-	64	16	0.8	0.4		○	○
16IL64UN							○	○
16EL56UN	-	56	16	0.7	0.4		○	○
16IL56UN							○	○
16EL48UN	-	48	16	0.6	0.6		○	○
16IL48UN							○	○
16EL44UN	-	44	16	0.6	0.6		○	○
16IL44UN							○	○
16EL40UN	-	40	16	0.6	0.6		○	○
16IL40UN							○	○
16EL36UN	-	36	16	0.6	0.6		○	○
16IL36UN							○	○

UN UNIFIED THREAD

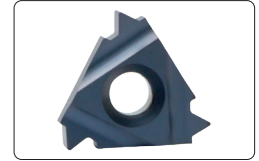
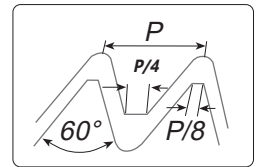


EXTERNAL RIGHT
INTERNAL LEFT

INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N



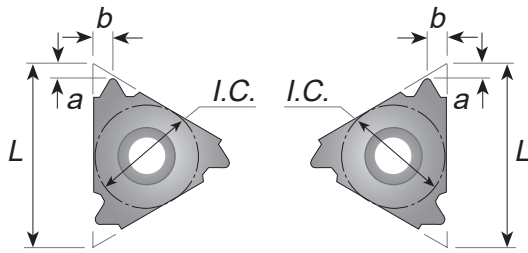
MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK

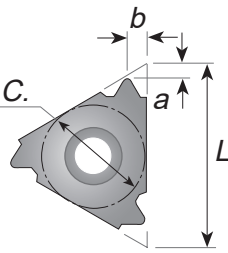
○ UNDER REQUEST

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
16ER32UN	-	32	16	0.6	0.6		●	○
16IR32UN							●	○
16ER28UN	-	28	16	0.6	0.7		●	○
16IR28UN							●	○
16ER27UN	-	27	16	0.7	0.8		●	○
16IR27UN							●	○
16ER24UN	-	24	16	0.7	0.8		●	○
16IR24UN							●	○
16ER20UN	-	20	16	0.8	0.9		●	○
16IR20UN							●	○
16ER18UN	-	18	16	0.8	1.0		●	○
16IR18UN							●	○
16ER16UN	-	16	16	0.9	1.1		●	○
16IR16UN							●	○
LEFT HAND INSERTS								
16EL32UN	-	32	16	0.6	0.6		○	○
16IL32UN							○	○
16EL28UN	-	28	16	0.6	0.7		○	○
16IL28UN							○	○
16EL27UN	-	27	16	0.7	0.8		○	○
16IL27UN							○	○
16EL24UN	-	24	16	0.7	0.8		○	○
16IL24UN							○	○
16EL20UN	-	20	16	0.8	0.9		○	○
16IL20UN							○	○
16EL18UN	-	18	16	0.8	1.0		○	○
16IL18UN							○	○
16EL16UN	-	16	16	0.9	1.1		○	○
16IL16UN							○	○

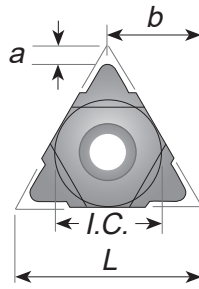
UN UNIFIED THREAD



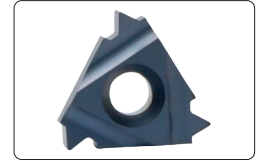
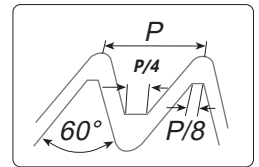
EXTERNAL RIGHT
INTERNAL LEFT



INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N



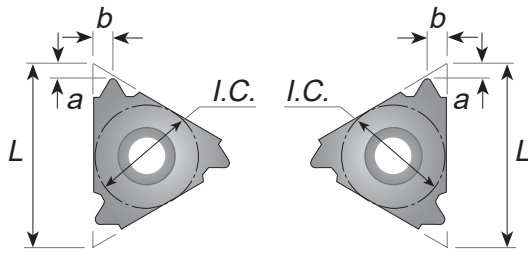
MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK

○ UNDER REQUEST

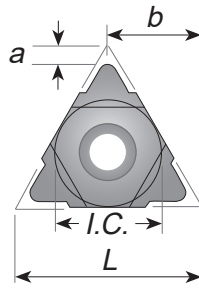
DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
16ER14UN	-	14	16	1.0	1.2		●	○
16IR14UN				0.9	1.2		●	○
16ER13UN	-	13	16	1.0	1.3		●	○
16IR13UN							●	○
16ER12UN	-	12	16	1.1	1.4		●	○
16IR12UN							●	○
16ER11,5UN	-	11.5	16	1.1	1.5		●	○
16IR11,5UN							●	○
16ER11UN	-	11	16	1.1	1.5		●	○
16IR11UN							●	○
16ER10UN	-	10	16	1.1	1.5		●	○
16IR10UN							●	○
16ER9UN	-	9	16	1.2	1.7		●	○
16IR9UN							●	○
LEFT HAND INSERTS								
16EL14UN	-	14	16	1.0	1.2		○	○
16IL14UN				0.9	1.2		○	○
16EL13UN	-	13	16	1.0	1.3		○	○
16IL13UN							○	○
16EL12UN	-	12	16	1.1	1.4		○	○
16IL12UN							○	○
16EL11,5UN	-	11.5	16	1.1	1.5		○	○
16IL11,5UN							○	○
16EL11UN	-	11	16	1.1	1.5		○	○
16IL11UN							○	○
16EL10UN	-	10	16	1.1	1.5		○	○
16IL10UN							○	○
16EL9UN	-	9	16	1.2	1.7		○	○
16IL9UN							○	○

UN UNIFIED THREAD

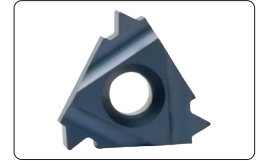
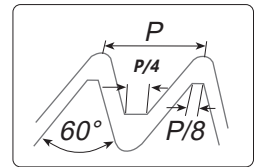


EXTERNAL RIGHT
INTERNAL LEFT

INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N



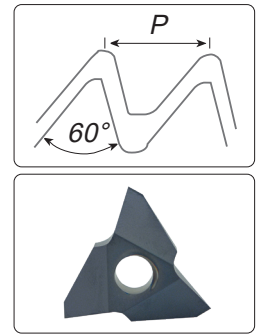
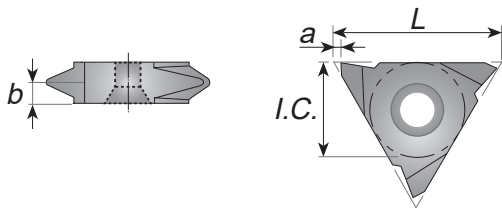
MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK

○ UNDER REQUEST

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
16ER8UN	-	8	16	1.2	1.6		●	○
16IR8UN				1.1	1.5		●	○
22ER7UN	-	7	22	1.6	2.3		●	○
22IR7UN							●	○
22ER6UN	-	6	22	1.6	2.3		●	○
22IR6UN							●	○
22ER5UN	-	5	22	1.7	2.5		●	○
22IR5UN				1.6	2.3		●	○
27ER4,5UN	-	4.5	27	1.9	2.7		●	○
27IR4,5UN				1.7	2.4		●	○
27ER4UN	-	4	27	2.5	13.7		●	○
27IR4UN				2.8	16.5		●	○
LEFT HAND INSERTS								
16EL8UN	-	8	16	1.2	1.6		○	○
16IL8UN				1.1	1.5		○	○
22EL7UN	-	7	22	1.6	2.3		○	○
22IL7UN							○	○
22EL6UN	-	6	22	1.6	2.3		○	○
22IL6UN							○	○
22EL5UN	-	5	22	1.7	2.5		○	○
22IL5UN				1.6	2.3		○	○
27EL4,5UN	-	4.5	27	1.9	2.7		○	○
27IL4,5UN				1.7	2.4		○	○
27EL4UN	-	4	27	2.5	13.7		○	○
27IL4UN				2.8	16.5		○	○

UN UNIFIED THREAD - VERTICAL INSERT

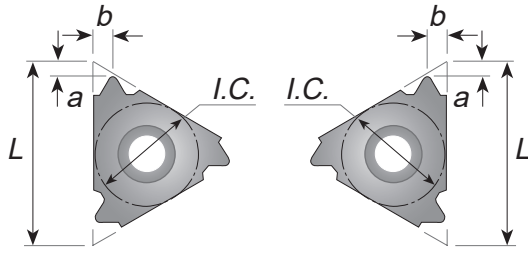


MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

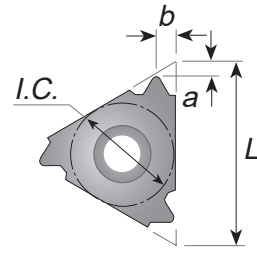
● ON STOCK ○ UNDER REQUEST

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
16VER32UN	-	32	16	1.0	0.6		●	○
16VER28UN	-	28	16	1.0	0.7		●	○
16VER24UN	-	24	16	1.0	0.8		●	○
16VER20UN	-	20	16	1.0	0.9		●	○
16VER18UN	-	18	16	1.0	1.0		●	○
16VER16UN	-	16	16	1.0	1.1		●	○
16VER14UN	-	14	16	1.0	1.2		●	○
16VER12UN	-	12	16	1.0	1.4		●	○
16VER10UN	-	10	16	1.0	1.5		●	○
16VER8UN	-	8	16	1.0	1.6		●	○
LEFT HAND INSERTS								
16VEL32UN	-	32	16	1.0	0.6		○	○
16VEL28UN	-	28	16	1.0	0.7		○	○
16VEL24UN	-	24	16	1.0	0.8		○	○
16VEL20UN	-	20	16	1.0	0.9		○	○
16VEL18UN	-	18	16	1.0	1.0		○	○
16VEL16UN	-	16	16	1.0	1.1		○	○
16VEL14UN	-	14	16	1.0	1.2		○	○
16VEL12UN	-	12	16	1.0	1.4		○	○
16VEL10UN	-	10	16	1.0	1.5		○	○
16VEL8UN	-	8	16	1.0	1.6		○	○

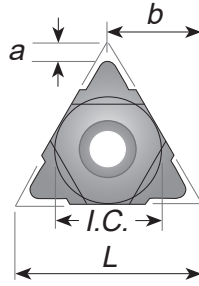
WHITWORTH 55°



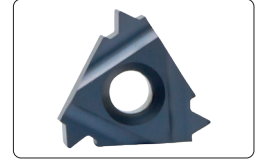
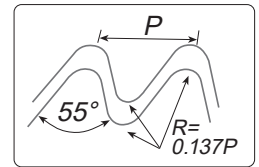
EXTERNAL RIGHT
INTERNAL LEFT



INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N

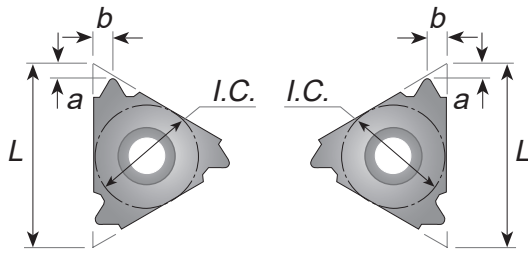


MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

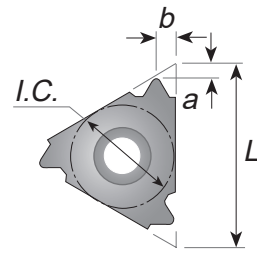
● ON STOCK ○ UNDER REQUEST

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
6IR26W	-	26	6	0.7	0.6		●	○
6IR22W	-	22	6	0.6	0.6		●	○
6IR20W	-	20	6	0.6	0.7		●	○
6IR18W	-	18	6	0.6	0.7		●	○
8IR28W	-	28	8	0.6	0.6		●	○
8IR24W	-	24	8	0.6	0.6		●	○
8IR20W	-	20	8	0.6	0.7		●	○
8IR19W	-	19	8	0.6	0.7		●	○
8IR18W	-	18	8	0.6	0.7		●	○
8IR16W	-	16	8	0.6	0.7		●	○
LEFT HAND INSERTS								
6IL26W	-	26	6	0.7	0.6		○	○
6IL22W	-	22	6	0.6	0.6		○	○
6IL20W	-	20	6	0.6	0.7		○	○
6IL18W	-	18	6	0.6	0.7		○	○
8IL28W	-	28	8	0.6	0.6		○	○
8IL24W	-	24	8	0.6	0.6		○	○
8IL20W	-	20	8	0.6	0.7		○	○
8IL19W	-	19	8	0.6	0.7		○	○
8IL18W	-	18	8	0.6	0.7		○	○
8IL16W	-	16	8	0.6	0.7		○	○

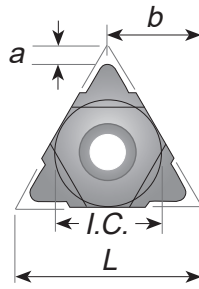
WHITWORTH 55°



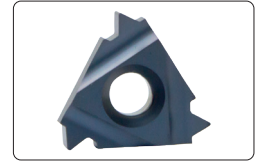
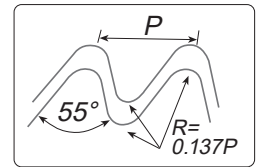
EXTERNAL RIGHT
INTERNAL LEFT



INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N



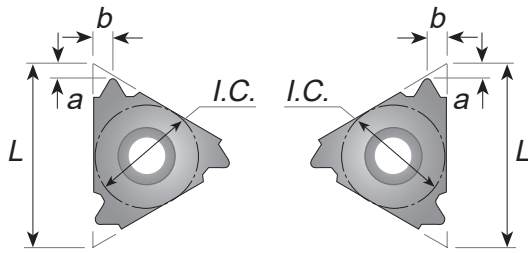
MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK

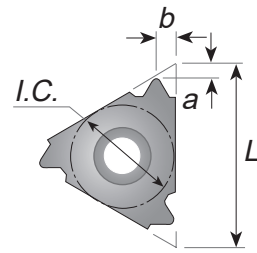
○ UNDER REQUEST

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAlN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
11ER72W	-	72	11	0.7	0.4		●	○
11IR72W							●	○
11ER60W	-	60	11	0.7	0.4		●	○
11IR60W							●	○
11ER56W	-	56	11	0.7	0.4		●	○
11IR56W							●	○
11ER48W	-	48	11	0.6	0.6		●	○
11IR48W							●	○
11ER40W	-	40	11	0.6	0.6		●	○
11IR40W							●	○
11ER36W	-	36	11	0.6	0.6		●	○
11IR36W							●	○
11ER32W	-	32	11	0.6	0.6		●	○
11IR32W							●	○
LEFT HAND INSERTS								
11EL72W	-	72	11	0.7	0.4		○	○
11IL72W							○	○
11EL60W	-	60	11	0.7	0.4		○	○
11IL60W							○	○
11EL56W	-	56	11	0.7	0.4		○	○
11IL56W							○	○
11EL48W	-	48	11	0.6	0.6		○	○
11IL48W							○	○
11EL40W	-	40	11	0.6	0.6		○	○
11IL40W							○	○
11EL36W	-	36	11	0.6	0.6		○	○
11IL36W							○	○
11EL32W	-	32	11	0.6	0.6			
11IL32W								

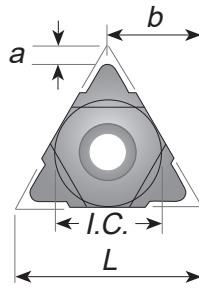
WHITWORTH 55°



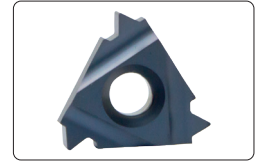
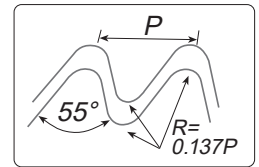
EXTERNAL RIGHT
INTERNAL LEFT



INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N

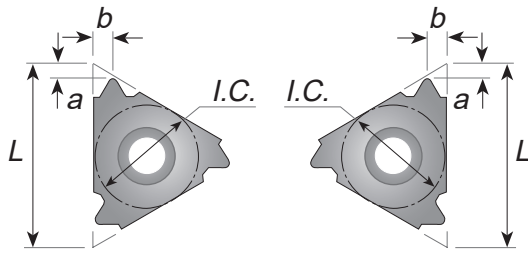


● ON STOCK ○ UNDER REQUEST

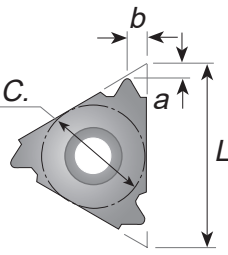
MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
11ER72W	-	72	11	0.7	0.4		●	○
11IR72W							●	○
11ER60W	-	60	11	0.7	0.4		●	○
11IR60W							●	○
11ER56W	-	56	11	0.7	0.4		●	○
11IR56W							●	○
11ER48W	-	48	11	0.6	0.6		●	○
11IR48W							●	○
11ER40W	-	40	11	0.6	0.6		●	○
11IR40W							●	○
11ER36W	-	36	11	0.6	0.6		●	○
11IR36W							●	○
11ER32W	-	32	11	0.6	0.6		●	○
11IR32W							●	○
LEFT HAND INSERTS								
11EL72W	-	72	11	0.7	0.4		○	○
11IL72W							○	○
11EL60W	-	60	11	0.7	0.4		○	○
11IL60W							○	○
11EL56W	-	56	11	0.7	0.4		○	○
11IL56W							○	○
11EL48W	-	48	11	0.6	0.6		○	○
11IL48W							○	○
11EL40W	-	40	11	0.6	0.6		○	○
11IL40W							○	○
11EL36W	-	36	11	0.6	0.6		○	○
11IL36W							○	○
11EL32W	-	32	11	0.6	0.6			
11IL32W								

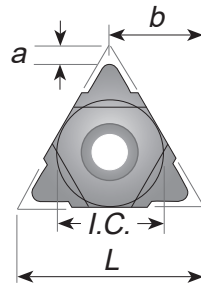
WHITWORTH 55°



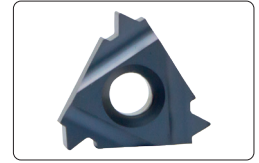
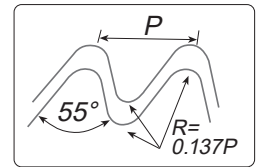
EXTERNAL RIGHT
INTERNAL LEFT



INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N



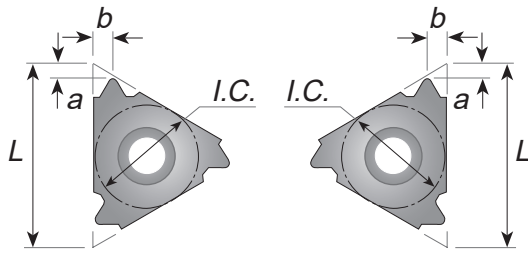
MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK

○ UNDER REQUEST

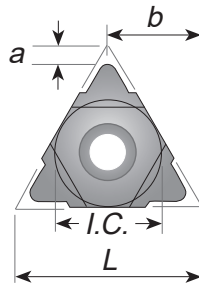
DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAlN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
11ER28W	-	28	11	0.6	0.7		●	○
11IR28W							●	○
11ER26W	-	26	11	0.7	0.7		●	○
11IR26W							●	○
11ER24W	-	24	11	0.7	0.8		●	○
11IR24W							●	○
11ER22W	-	22	11	0.8	0.9		●	○
11IR22W							●	○
11ER20W	-	20	11	0.8	0.9		●	○
11IR20W							●	○
11ER19W	-	19	11	0.8	1.0		●	○
11IR19W							●	○
11ER18W	-	18	11	0.8	1.0		●	○
11IR18W							●	○
LEFT HAND INSERTS								
11EL28W	-	28	11	0.6	0.7		○	○
11IL28W							○	○
11EL26W	-	26	11	0.7	0.7		○	○
11IL26W							○	○
11EL24W	-	24	11	0.7	0.8		○	○
11IL24W							○	○
11EL22W	-	22	11	0.8	0.9		○	○
11IL22W							○	○
11EL20W	-	20	11	0.8	0.9		○	○
11IL20W							○	○
11EL19W	-	19	11	0.8	1.0		○	○
11IL19W							○	○
11EL18W	-	18	11	0.8	1.0			
11IL18W								

WHITWORTH 55°

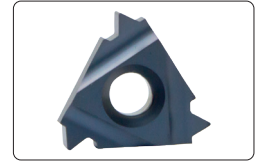
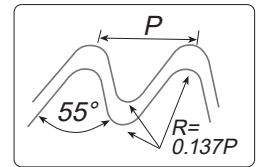


EXTERNAL RIGHT
INTERNAL LEFT

INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N



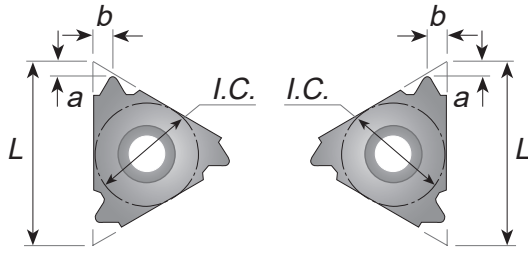
MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK

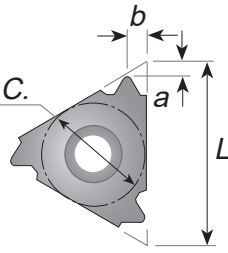
○ UNDER REQUEST

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAlN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
11ER16W	-	16	11	0.9	1.1		●	○
11IR16W							●	○
11ER14W	-	14	11	0.9	1.1		●	○
11IR14W							●	○
11IR12W	-	12	11	1.0	1.1		●	○
11IR11W*	-	11	11	0.9	1.2		●	○
16ER72W	-	72	16	0.7	0.4		●	○
16IR72W							●	○
16ER60W	-	60	16	0.7	0.4		●	○
16IR60W							●	○
16ER56W	-	56	16	0.7	0.4		●	○
16IR56W							●	○
16ER48W	-	48	16	0.6	0.6		●	○
16IR48W							●	○
LEFT HAND INSERTS								
11EL16W	-	16	11	0.9	1.1		○	○
11IL16W							○	○
11EL14W	-	14	11	0.9	1.1		○	○
11IL14W							○	○
11IL12W	-	12	11	1.0	1.1		○	○
11IL11W*	-	11	11	0.9	1.2		○	○
16EL72W	-	72	16	0.7	0.4		○	○
16IL72W							○	○
16EL60W	-	60	16	0.7	0.4		○	○
16IL60W							○	○
16EL56W	-	56	16	0.7	0.4		○	○
16IL56W							○	○
16EL48W	-	48	16	0.6	0.6			
16IL48W								

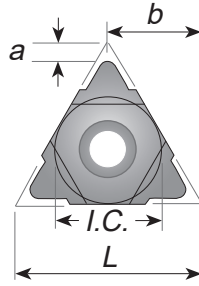
WHITWORTH 55°



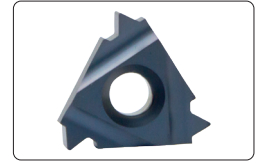
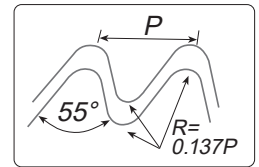
EXTERNAL RIGHT
INTERNAL LEFT



INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N

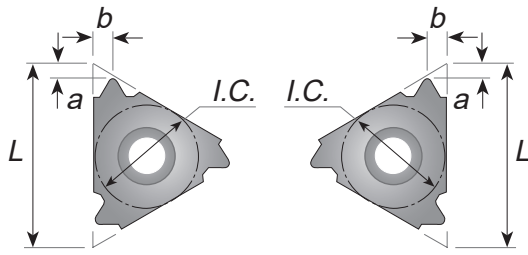


● ON STOCK ○ UNDER REQUEST

MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

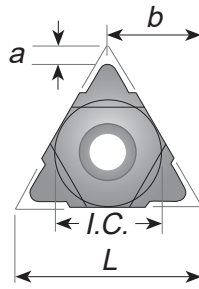
DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAlN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
16ER40W	-	40	16	0.6	0.6		●	○
16IR40W							●	○
16ER36W	-	36	16	0.6	0.6		●	○
16IR36W							●	○
16ER32W	-	32	16	0.6	0.6		●	○
16IR32W							●	○
16ER28W	-	28	16	0.6	0.7		●	○
16IR28W							●	○
16ER26W	-	26	16	0.7	0.7		●	○
16IR26W							●	○
16ER24W	-	24	16	0.7	0.8		●	○
16IR24W							●	○
16ER22W	-	22	16	0.8	0.9		●	○
16IR22W							●	○
LEFT HAND INSERTS								
16EL40W	-	40	16	0.6	0.6		○	○
16IL40W							○	○
16EL36W	-	36	16	0.6	0.6		○	○
16IL36W							○	○
16EL32W	-	32	16	0.6	0.6		○	○
16IL32W							○	○
16EL28W	-	28	16	0.6	0.7		○	○
16IL28W							○	○
16EL26W	-	26	16	0.7	0.7		○	○
16IL26W							○	○
16EL24W	-	24	16	0.7	0.8		○	○
16IL24W							○	○
16EL22W	-	22	16	0.8	0.9			
16IL22W								

WHITWORTH 55°

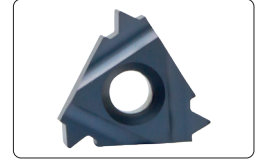
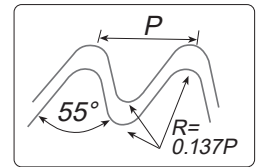


EXTERNAL RIGHT
INTERNAL LEFT

INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N



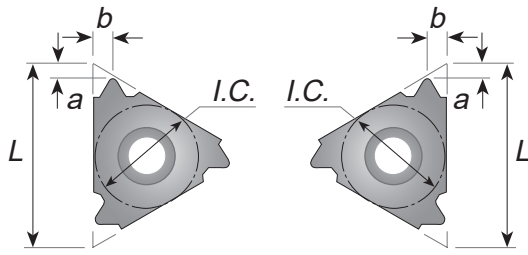
MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK

○ UNDER REQUEST

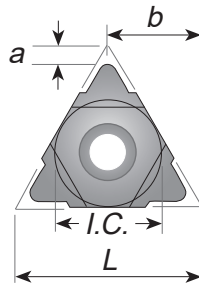
DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAlN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
16ER20W	-	20	16	0.8	0.9		●	○
16IR20W							●	○
16ER19W	-	19	16	0.8	1.0		●	○
16IR19W							●	○
16ER18W	-	18	16	0.8	1.0		●	○
16IR18W							●	○
16ER16W	-	16	16	0.9	1.1		●	○
16IR16W							●	○
16ER14W	-	14	16	1.0	1.2		●	○
16IR14W							●	○
16ER12W	-	12	16	1.1	1.4		●	○
16IR12W							●	○
16ER11W	-	11	16	1.1	1.5		●	○
16IR11W							●	○
LEFT HAND INSERTS								
16EL20W	-	20	16	0.8	0.9		○	○
16IL20W							○	○
16EL19W	-	19	16	0.8	1.0		○	○
16IL19W							○	○
16EL18W	-	18	16	0.8	1.0		○	○
16IL18W							○	○
16EL16W	-	16	16	0.9	1.1		○	○
16IL16W							○	○
16EL14W	-	14	16	1.0	1.2		○	○
16IL14W							○	○
16EL12W	-	12	16	1.1	1.4		○	○
16IL12W							○	○
16EL11W	-	11	16	1.1	1.5			
16IL11W								

WHITWORTH 55°

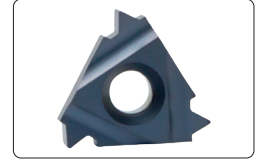
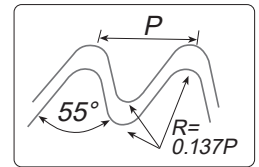


EXTERNAL RIGHT
INTERNAL LEFT

INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N



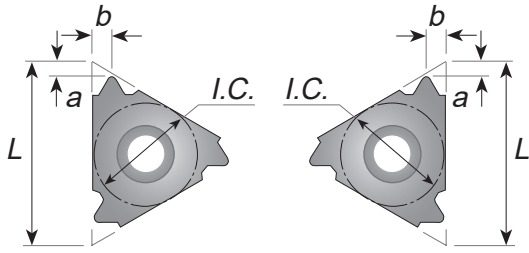
MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK

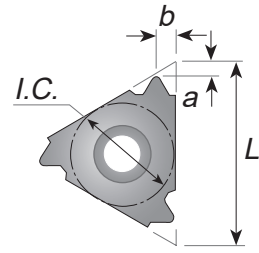
○ UNDER REQUEST

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAlN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
16ER10W	-	10	16	1.1	1.5		●	○
16IR10W							●	○
16ER9W	-	9	16	1.2	1.7		●	○
16IR9W							●	○
16ER8W	-	8	16	1.2	1.5		●	○
16IR8W							●	○
22ER7W	-	7	22	1.6	2.3		●	○
22IR7W							●	○
22ER6W	-	6	22	1.6	2.3		●	○
22IR6W							●	○
22ER5W	-	5	22	1.7	2.4		●	○
22IR5W							●	○
LEFT HAND INSERTS								
16EL10W	-	10	16	1.1	1.5		○	○
16IL10W							○	○
16EL9W	-	9	16	1.2	1.7		○	○
16IL9W							○	○
16EL8W	-	8	16	1.2	1.5		○	○
16IL8W							○	○
22EL7W	-	7	22	1.6	2.3		○	○
22IL7W							○	○
22EL6W	-	6	22	1.6	2.3		○	○
22IL6W							○	○
22EL5W	-	5	22	1.7	2.4		○	○
22IL5W							○	○

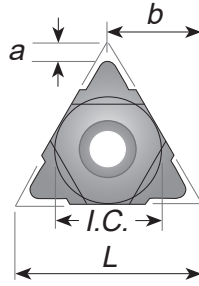
WHITWORTH 55°



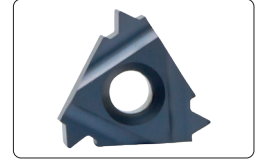
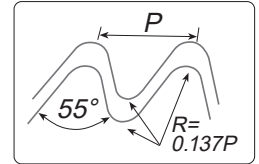
EXTERNAL RIGHT
INTERNAL LEFT



INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N

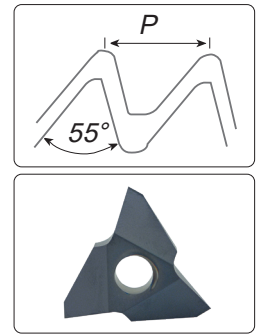
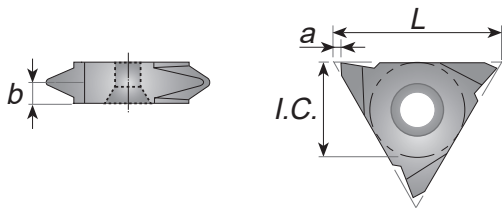


MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK ○ UNDER REQUEST

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
27ER4,5W	-	4.5	27	1.8	2.6		●	○
27IR4,5W							●	○
27ER4W	-	4	27	2.0	2.9		●	○
27IR4W							●	○
LEFT HAND INSERTS								
27EL4,5W	-	4.5	27	1.8	2.6		○	○
27IL4,5W							○	○
27EL4W	-	4	27	2.0	2.9		○	○
27IL4W							○	○

WHITWORTH 55° - VERTICAL INSERT

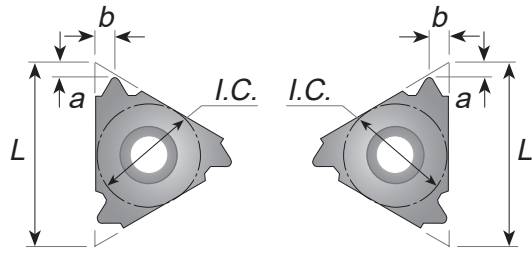


MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK ○ UNDER REQUEST

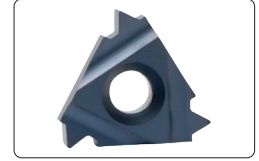
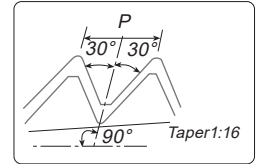
DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
16VER20W	-	20	16	1.0	0.9		●	○
16VER19W	-	19	16	1.0	0.9		●	○
16VER18W	-	18	16	1.0	1.0		●	○
16VER16W	-	16	16	1.0	1.0		●	○
16VER14W	-	14	16	1.0	1.2		●	○
16VER12W	-	12	16	1.0	1.4		●	○
16VER11W	-	11	16	1.0	1.5		●	○
LEFT HAND INSERTS								
16VEL20W	-	20	16	1.0	0.9		○	○
16VEL19W	-	19	16	1.0	0.9		○	○
16VEL18W	-	18	16	1.0	1.0		○	○
16VEL16W	-	16	16	1.0	1.0		○	○
16VEL14W	-	14	16	1.0	1.2		○	○
16VEL12W	-	12	16	1.0	1.4		○	○
16VEL11W	-	11	16	1.0	1.5		○	○

NATIONAL PIPE THREAD - NPT



EXTERNAL RIGHT
INTERNAL LEFT

INTERNAL RIGHT
EXTERNAL LEFT

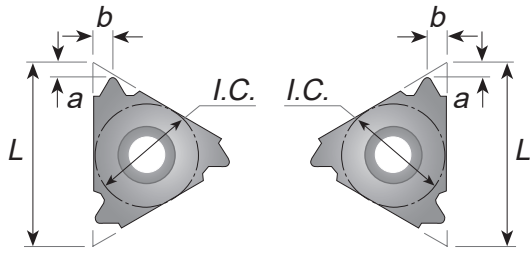


MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK ○ UNDER REQUEST

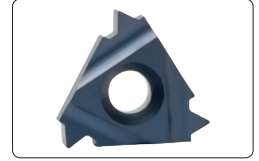
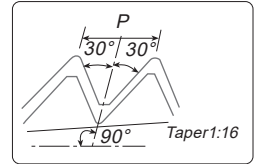
DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
6IR27NPT	-	27	6	0.6	0.6		●	○
8IR27NPT	-	27	8	0.6	0.6		●	○
8IR18NPT	-	18	8	0.6	0.6		●	○
11ER27NPT	-	27	11	0.7	0.8		●	○
11IR27NPT							●	○
11ER18NPT	-	18	11	0.8	1.0		●	○
11IR18NPT							●	○
11ER14NPT	-	14	11	0.8	1.0		●	○
11IR14NPT							●	○
16ER27NPT	-	27	16	0.7	0.8		●	○
16IR27NPT							●	○
LEFT HAND INSERTS								
6IL27NPT	-	27	6	0.6	0.6		○	○
8IL27NPT	-	27	8	0.6	0.6		○	○
8IL18NPT	-	18	8	0.6	0.6		○	○
11EL27NPT	-	27	11	0.7	0.8		○	○
11IL27NPT							○	○
11EL18NPT	-	18	11	0.8	1.0		○	○
11IL18NPT							○	○
11EL14NPT	-	14	11	0.8	1.0		○	○
11IL14NPT							○	○
16EL27NPT	-	27	16	0.7	0.8		○	○
16IL27NPT							○	○

NATIONAL PIPE THREAD - NPT



EXTERNAL RIGHT
INTERNAL LEFT

INTERNAL RIGHT
EXTERNAL LEFT

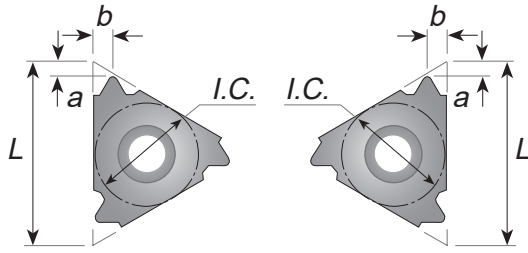


MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

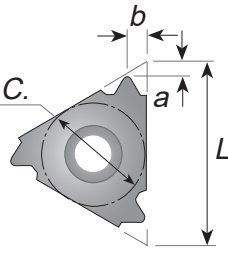
● ON STOCK ○ UNDER REQUEST

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
16ER18NPT	-	18	16	0.8	1.0		●	○
16IR18NPT							●	○
16ER14NPT	-	14	16	0.9	1.2		●	○
16IR14NPT							●	○
16ER11,5NPT	-	11.5	16	1.1	1.5		●	○
16IR11,5NPT							●	○
16ER8NPT	-	8	16	1.3	1.8		●	○
16IR8NPT							●	○
LEFT HAND INSERTS								
16EL18NPT	-	18	16	0.8	1.0		○	○
16IL18NPT							○	○
16EL14NPT	-	14	16	0.9	1.2		○	○
16IL14NPT							○	○
16EL11,5NPT	-	11.5	16	1.1	1.5		○	○
16IL11,5NPT							○	○
16EL8NPT	-	8	16	1.3	1.8		○	○
16IL8NPT							○	○

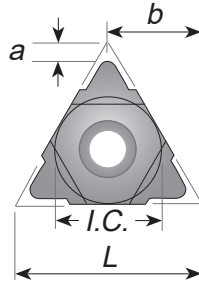
NATIONAL PIPE TAPER FUEL - NPTF DRYSEAL



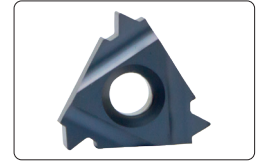
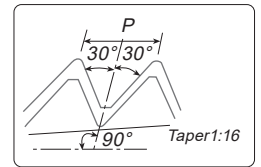
EXTERNAL RIGHT
INTERNAL LEFT



INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N



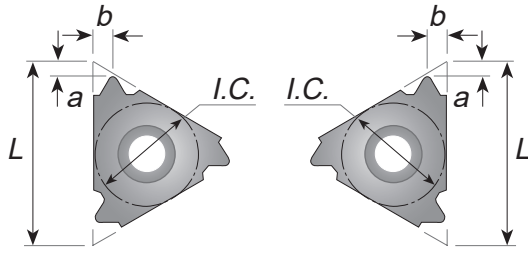
MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK

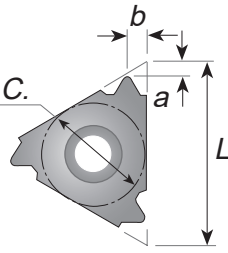
○ UNDER REQUEST

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
6IR27NPTF	-	27	6	0.7	0.6		●	○
8IR27NPTF	-	27	8	0.6	0.6		●	○
8IR18NPTF	-	18	8	0.6	0.6		●	○
11ER27NPTF	-	27	11	0.7	0.7		●	○
11IR27NPTF							●	○
11ER18NPTF	-	18	11	0.8	1.0		●	○
11IR18NPTF							●	○
11ER14NPTF	-	14	11	0.8	1.0		●	○
11IR14NPTF							●	○
11ER14NPTF	-	14	11	0.8	1.0		●	○
11IR14NPTF							●	○
16ER27NPTF	-	18	16	0.8	1.0		●	○
16IR27NPTF							●	○
LEFT HAND INSERTS								
6IL27NPTF	-	27	6	0.7	0.6		○	○
8IL27NPTF	-	27	8	0.6	0.6		○	○
8IL18NPTF	-	18	8	0.6	0.6		○	○
11EL27NPTF	-	27	11	0.7	0.7		○	○
11IL27NPTF							○	○
11EL18NPTF	-	18	11	0.8	1.0		○	○
11IL18NPTF							○	○
11EL14NPTF	-	14	11	0.8	1.0		○	○
11IL14NPTF							○	○
11EL14NPTF	-	14	11	0.8	1.0		○	○
11IL14NPTF							○	○
16EL27NPTF	-	18	16	0.8	1.0		○	○
16IL27NPTF							○	○

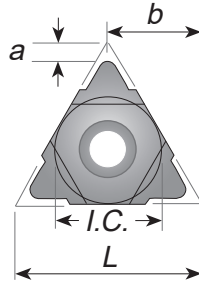
NATIONAL PIPE TAPER FUEL - NPTF DRYSEAL



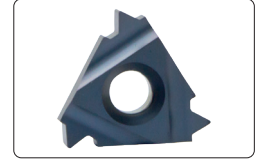
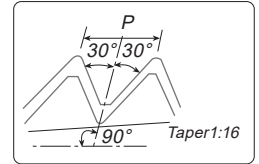
EXTERNAL RIGHT
INTERNAL LEFT



INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N



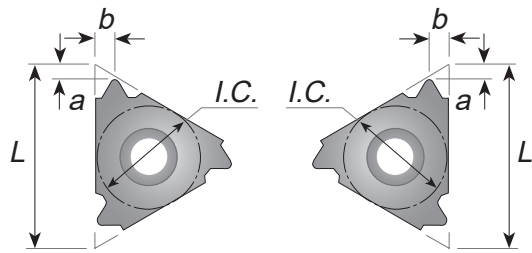
MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK

○ UNDER REQUEST

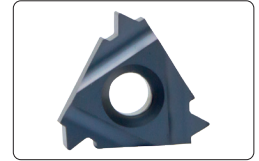
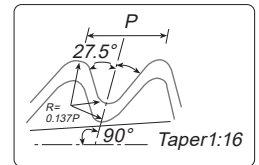
DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
16ER18NPTF	-	14	16	0.9	1.2		●	○
16IR18NPTF							●	○
16ER14NPTF	-	14	16	0.9	1.2		●	○
16IR14NPTF							●	○
16ER11,5NPTF	-	11.5	16	1.1	1.5		●	○
16IR11,5NPTF							●	○
16ER8NPTF	-	8	16	1.3	1.8		●	○
16IR8NPTF							●	○
LEFT HAND INSERTS								
16EL18NPTF	-	14	16	0.9	1.2		○	○
16IL18NPTF							○	○
16EL14NPTF	-	14	16	0.9	1.2		○	○
16IL14NPTF							○	○
16EL11,5NPTF	-	11.5	16	1.1	1.5		○	○
16IL11,5NPTF							○	○
16EL8NPTF	-	8	16	1.3	1.8		○	○
16IL8NPTF							○	○

BRITISH STANDARD PIPE TAPER - BSPT



EXTERNAL RIGHT
INTERNAL LEFT

INTERNAL RIGHT
EXTERNAL LEFT

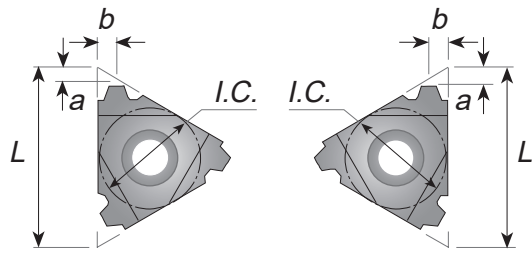


MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

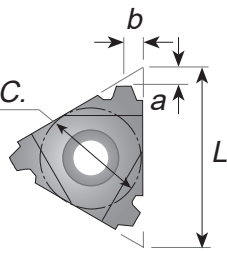
● ON STOCK ○ UNDER REQUEST

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
6IR28BSPT	-	28	6	0.7	0.6		●	○
8IR28BSPT	-	28	8	0.6	0.6		●	○
8IR19BSPT	-	19	8	0.6	0.6		●	○
11IR28BSPT	-	28	11	0.6	0.6		●	○
11IR19BSPT	-	19	11	0.8	0.9		●	○
11IR14BSPT	-	14	11	0.9	1.0		●	○
11IR11BSPT*	-	11	11	0.9	1.2		●	○
16ER28BSPT	-	28	16	0.6	0.6		●	○
16IR28BSPT	-	28	16	0.6	0.6		●	○
16ER19BSPT	-	19	16	0.8	0.9		●	○
16IR19BSPT	-	19	16	0.8	0.9		●	○
16ER14BSPT	-	14	16	1.0	1.2		●	○
16IR14BSPT	-	14	16	1.0	1.2		●	○
LEFT HAND INSERTS								
6IL28BSPT	-	28	6	0.7	0.6		○	○
8IL28BSPT	-	28	8	0.6	0.6		○	○
8IL19BSPT	-	19	8	0.6	0.6		○	○
11IL28BSPT	-	28	11	0.6	0.6		○	○
11IL19BSPT	-	19	11	0.8	0.9		○	○
11IL14BSPT	-	14	11	0.9	1.0		○	○
11IL11BSPT*	-	11	11	0.9	1.2		○	○
16EL28BSPT	-	28	16	0.6	0.6		○	○
16IL28BSPT	-	28	16	0.6	0.6		○	○
16EL19BSPT	-	19	16	0.8	0.9		○	○
16IL19BSPT	-	19	16	0.8	0.9		○	○
16EL14BSPT	-	14	16	1.0	1.2		○	○
16IL14BSPT	-	14	16	1.0	1.2		○	○

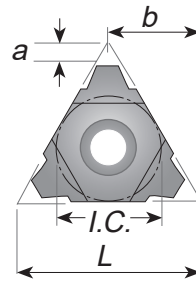
TRAPEZOIDAL THREAD - ACME



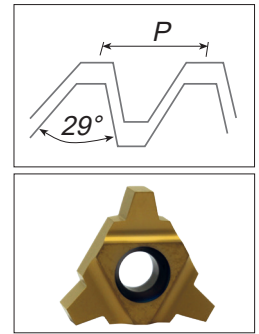
EXTERNAL RIGHT
INTERNAL LEFT



INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N



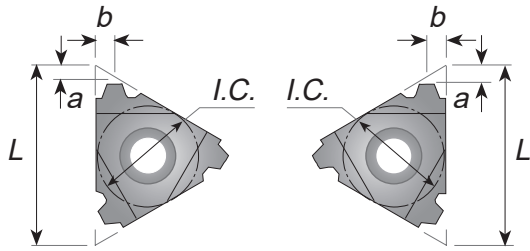
MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK

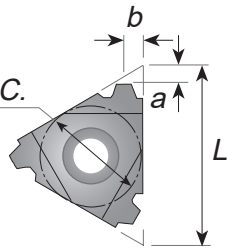
○ UNDER REQUEST

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAlN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
11ER16ACME	-	16	11	0.9	1.0		●	○
11IR16ACME							●	○
16ER16ACME	-	16	16	0.9	1.0		●	○
16IR16ACME							●	○
16ER14ACME	-	14	16	1.0	1.2		●	○
16IR14ACME							●	○
16ER12ACME	-	12	16	1.1	1.2		●	○
16IR12ACME							●	○
16ER10ACME	-	10	16	1.3	1.3		●	○
16IR10ACME							●	○
16ER8ACME	-	8	16	1.5	1.5		●	○
16IR8ACME							●	○
16ER6ACME*	-	6	16	1.7	1.8		●	○
16IR6ACME*							●	○
LEFT HAND INSERTS								
11EL16ACME	-	16	11	0.9	1.0		○	○
11IL16ACME							○	○
16EL16ACME	-	16	16	0.9	1.0		○	○
16IL16ACME							○	○
16EL14ACME	-	14	16	1.0	1.2		○	○
16IL14ACME							○	○
16EL12ACME	-	12	16	1.1	1.2		○	○
16IL12ACME							○	○
16EL10ACME	-	10	16	1.3	1.3		○	○
16IL10ACME							○	○
16EL8ACME	-	8	16	1.5	1.5		○	○
16IL8ACME							○	○
16EL6ACME*	-	6	16	1.7	1.8		○	○
16IL6ACME*							○	○

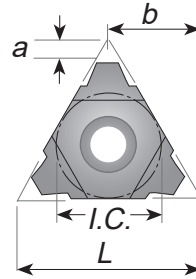
TRAPEZOIDAL THREAD - ACME



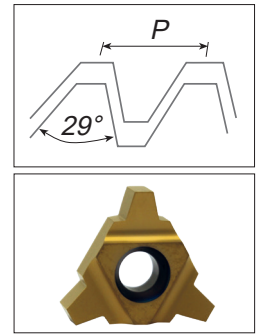
EXTERNAL RIGHT
INTERNAL LEFT



INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N

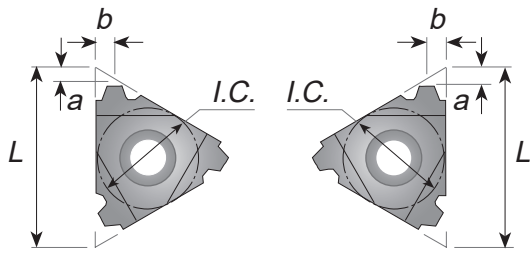


● ON STOCK ○ UNDER REQUEST

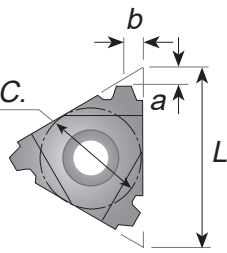
MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
16ER6ACME*	-	6	16	1.7	1.8		●	○
16IR6ACME*							●	○
22ER6ACME	-	6	22	1.8	2.1		●	○
22IR6ACME							●	○
22ER5ACME	-	5	22	2.0	2.3		●	○
22IR5ACME							●	○
22ER4ACME*	-	4	22	2.1	2.2		●	○
22IR4ACME*							●	○
27ER4ACME	-	4	27	2.3	2.7		●	○
27IR4ACME							●	○
LEFT HAND INSERTS								
16EL6ACME*	-	6	16	1.7	1.8		○	○
16IL6ACME*							○	○
22EL6ACME	-	6	22	1.8	2.1		○	○
22IL6ACME							○	○
22EL5ACME	-	5	22	2.0	2.3		○	○
22IL5ACME							○	○
22EL4ACME*	-	4	22	2.1	2.2		○	○
22IL4ACME*							○	○
27EL4ACME	-	4	27	2.3	2.7		○	○
27IL4ACME							○	○

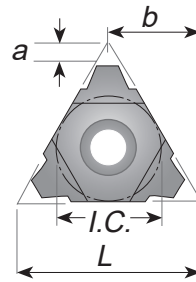
TRAPEZOIDAL THREAD - STUB ACME



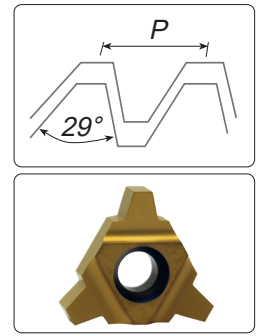
EXTERNAL RIGHT
INTERNAL LEFT



INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N

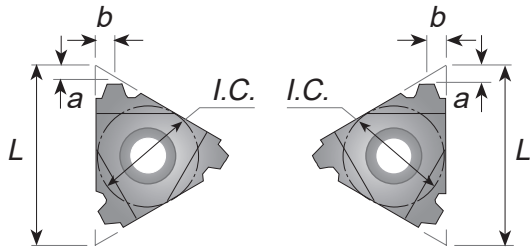


● ON STOCK ○ UNDER REQUEST

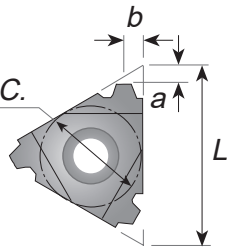
MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
16IR16STACME*	-	16	8	0.6	0.6		●	○
11ER16STACME	-	16	11	1.0	1.0		●	○
16ER16STACME	-	16	16	1.0	1.0		●	○
16IR16STACME							●	○
16ER14STACME	-	14	16	1.1	1.1		●	○
16IR14STACME							●	○
16ER12STACME	-	12	16	1.2	1.2		●	○
16IR12STACME							●	○
16ER10STACME	-	10	16	1.3	1.3		●	○
16IR10STACME							●	○
16ER8STACME	-	8	16	1.5	1.5		●	○
16IR8STACME							●	○
16ER6STACME	-	6	16	1.8	1.8		●	○
16IR6STACME							●	○
LEFT HAND INSERTS								
16IL16STACME*	-	16	8	0.6	0.6		○	○
11EL16STACME	-	16	11	1.0	1.0		○	○
16EL16STACME	-	16	16	1.0	1.0		○	○
16IL16STACME							○	○
16EL14STACME	-	14	16	1.1	1.1		○	○
16IL14STACME							○	○
16EL12STACME	-	12	16	1.2	1.2		○	○
16IL12STACME							○	○
16EL10STACME	-	10	16	1.3	1.3		○	○
16IL10STACME							○	○
16EL8STACME	-	8	16	1.5	1.5		○	○
16IL8STACME							○	○
16EL6STACME	-	6	16	1.8	1.8		○	○
16IL6STACME							○	○

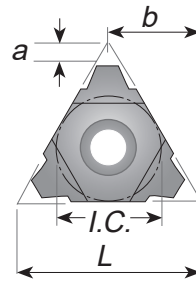
TRAPEZOIDAL THREAD - STUB ACME



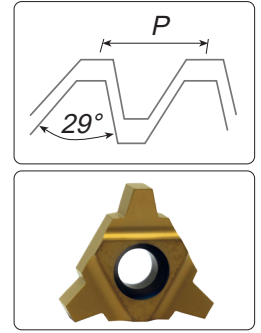
EXTERNAL RIGHT
INTERNAL LEFT



INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N

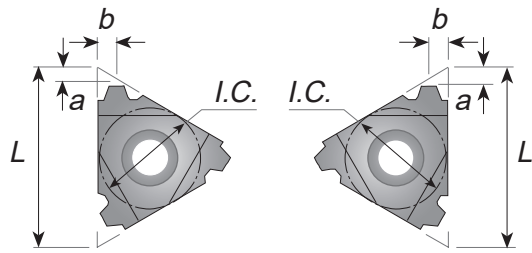


● ON STOCK ○ UNDER REQUEST

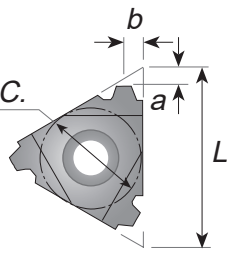
MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
22ER5STACME	-	5	22	2.0	2.3		●	○
22IR5STACME							●	○
22ER4STACME	-	4	22	2.3	2.4		●	○
22IR4STACME							●	○
27ER4STACME	-	4	27	2.3	2.4		●	○
27IR4STACME							●	○
27ER3STACME	-	3	27	3.3	11.0		●	○
27IR3STACME							●	○
LEFT HAND INSERTS								
22EL5STACME	-	5	22	2.0	2.3		○	○
22IL5STACME							○	○
22EL4STACME	-	4	22	2.3	2.4		○	○
22IL4STACME							○	○
27EL4STACME	-	4	27	2.3	2.4		○	○
27IL4STACME							○	○
27EL3STACME	-	3	27	3.3	11.0		○	○
27IL3STACME							○	○

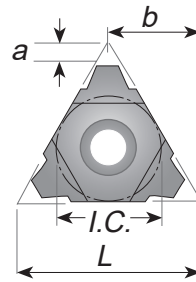
TRAPEZ DIN 103



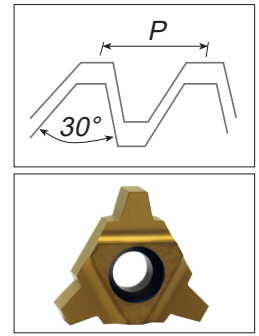
EXTERNAL RIGHT
INTERNAL LEFT



INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N

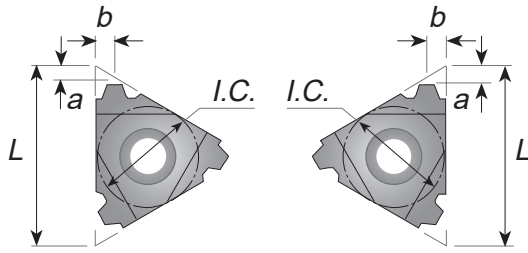


MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK ○ UNDER REQUEST

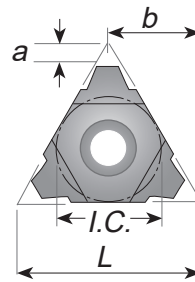
DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
8IR1,5TR*	-	1.5	8	0.6	0.6		●	○
16ER1,5TR	-	1.5	16	1.0	1.1		●	○
16ER2TR	-	2.0	16	1.0	1.3		●	○
16IR2TR							●	○
16ER3TR	-	3.0	16	1.3	1.5		●	○
16IR3TR							●	○
16ER4TR (1)	-	4.0	16	1.3	1.5		●	○
16IR4TR (2)							●	○
22ER4TR	-	4.0	22	1.8	1.9		●	○
22IR4TR							●	○
22ER5TR	-	5.0	22	2.0	2.4		●	○
22IR5TR							●	○
22ER6TR (1)	-	6.0	22	2.0	2.4		●	○
22IR6TR (1)							●	○
LEFT HAND INSERTS								
8IL1,5TR*	-	1.5	8	0.6	0.6		○	○
16EL1,5TR	-	1.5	16	1.0	1.1		○	○
16EL2TR	-	2.0	16	1.0	1.3		○	○
16IL2TR							○	○
16EL3TR	-	3.0	16	1.3	1.5		○	○
16IL3TR							○	○
16EL4TR (1)	-	4.0	16	1.3	1.5		○	○
16IL4TR (2)							○	○
22EL4TR	-	4.0	22	1.8	1.9		○	○
22IL4TR							○	○
22EL5TR	-	5.0	22	2.0	2.4		○	○
22IL5TR							○	○
22EL6TR (1)	-	6.0	22	2.0	2.4		○	○
22IL6TR (1)							○	○

TRAPEZ DIN 103

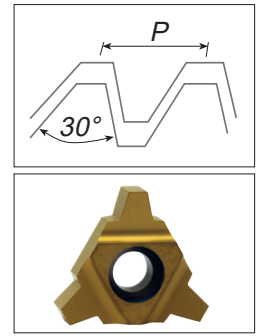


EXTERNAL RIGHT
INTERNAL LEFT

INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N

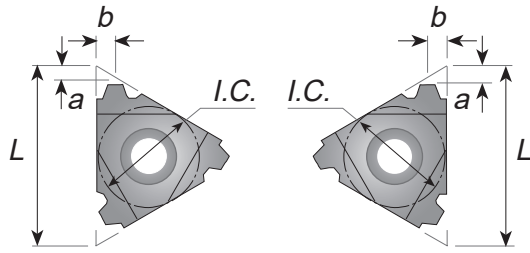


MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK ○ UNDER REQUEST

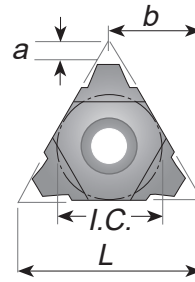
DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
22NER6TR	-	6.0	22N	2.0	11.0		●	○
22NIR6TR							●	○
22NER7TR	-	7.0	22N	2.3	11.0		●	○
22NIR7TR							●	○
22NIR7TR40 (3)	-	7.0	22N	2.6	11.0		●	○
22NER8TR	-	8.0	22N	2.5	11.0		●	○
22NIR8TR							●	○
LEFT HAND INSERTS								
22NEL6TR	-	6.0	22N	2.0	11.0		○	○
22NIL6TR							○	○
22NEL7TR	-	7.0	22N	2.3	11.0		○	○
22NIL7TR							○	○
22NIL7TR40 (3)	-	7.0	22N	2.6	11.0		○	○
22NEL8TR	-	8.0	22N	2.5	11.0		○	○
22NIL8TR							○	○

TRAPEZ DIN 103

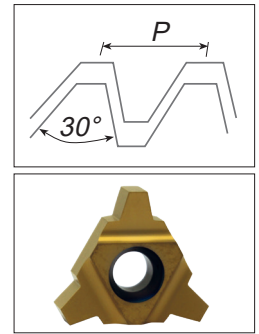


EXTERNAL RIGHT
INTERNAL LEFT

INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N

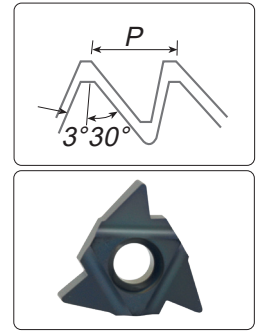
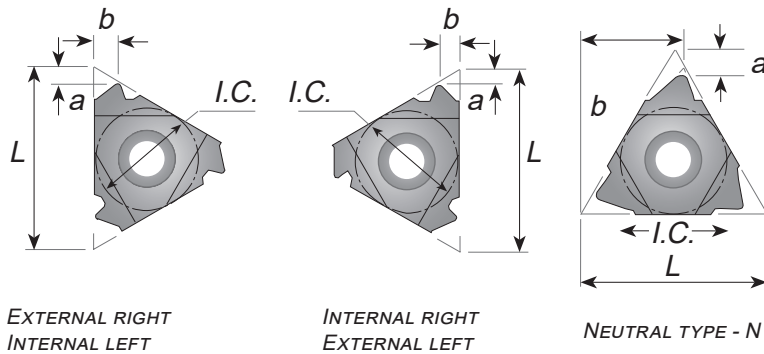


● ON STOCK ○ UNDER REQUEST

MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
27ER6TR	-	6.0	27	2.3	2.7		●	○
27IR6TR							●	○
27ER7TR	-	7.0	27	2.2	2.6		●	○
27IR7TR							●	○
27NER8TR	-	8.0	27N	2.5	13.7		●	○
27NIR8TR							●	○
27NER9TR	-	9.0	27N	3.0	13.7		●	○
27NIR9TR							●	○
27NER10TR*	-	10.0	27N	3.9	16.9		●	○
LEFT HAND INSERTS								
27EL6TR	-	6.0	27	2.3	2.7		○	○
27IL6TR							○	○
27EL7TR	-	7.0	27	2.2	2.6		○	○
27IL7TR							○	○
27NEL8TR	-	8.0	27N	2.5	13.7		○	○
27NIL8TR							○	○
27NEL9TR	-	9.0	27N	3.0	13.7		○	○
27NIL9TR							○	○
27NEL10TR*	-	10.0	27N	3.9	16.9		○	○

BUTTRESS THREAD- SAGENGWINDE DIN 513

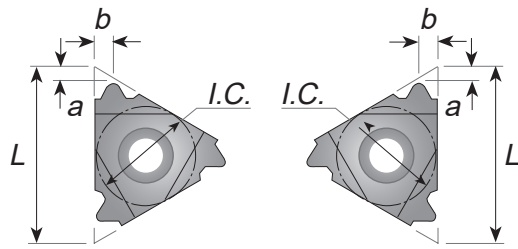


● ON STOCK ○ UNDER REQUEST

MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

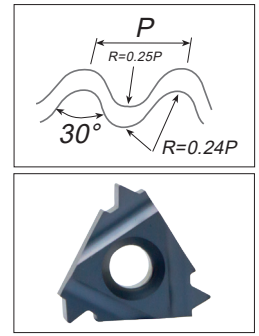
DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
16ER2SAGE	-	2.0	16	1.1	1.6		●	○
16IR2SAGE				1.2	1.7		●	○
22ER3SAGE	-	3.0	22	1.5	2.4		●	○
22IR3SAGE				1.9	2.9		●	○
22ER4SAGE	-	4.0	22N	1.9	3.1		●	○
22IR4SAGE				2.3	3.5		●	○
22NER5SAGE	-	5.0*	22N	1.2	11.7		●	○
22NIR5SAGE				1.9	11.7		●	○
22NER6SAGE	-	6.0*	22N	1.2	11.7		●	○
22NIR6SAGE				2.1	11.9		●	○
LEFT HAND INSERTS								
16EL2SAGE	-	2.0	16	1.1	1.6		○	○
16IL2SAGE				1.2	1.7		○	○
22EL3SAGE	-	3.0	22	1.5	2.4		○	○
22IL3SAGE				1.9	2.9		○	○
22EL4SAGE	-	4.0	22N	1.9	3.1		○	○
22IL4SAGE				2.3	3.5		○	○
22NEL5SAGE	-	5.0*	22N	1.2	11.7		○	○
22NIL5SAGE				1.9	11.7		○	○
22NEL6SAGE	-	6.0*	22N	1.2	11.7		○	○
22NIL6SAGE				2.1	11.9		○	○

ROUND THREADED - DIN 405



EXTERNAL RIGHT
INTERNAL LEFT

INTERNAL RIGHT
EXTERNAL LEFT

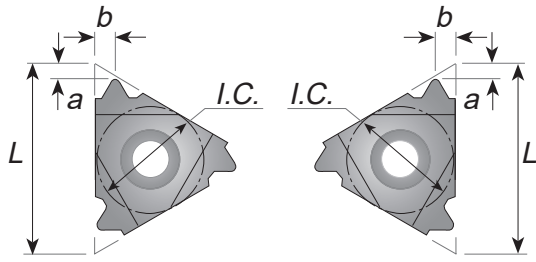


MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK ○ UNDER REQUEST

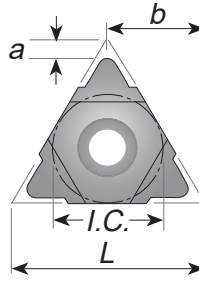
DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAlN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
16ER10RD	-	10	16	1.1	1.2		●	○
16IR10RD				1.1	1.2		●	○
16ER8RD	-	8	16	1.4	1.3		●	○
16IR8RD				1.4	1.4		●	○
16ER6RD	-	6	16	1.5	1.7		●	○
16IR6RD				1.4	1.5		●	○
22ER6RD	-	6	22	1.5	1.7		●	○
22IR6RD								
22ER4RD	-	4	22	2.2	2.3		●	○
22IR4RD								
27ER4RD	-	4	27	2.2	2.3		●	○
27IR4RD								
LEFT HAND INSERTS								
16EL10RD	-	10	16	1.1	1.2		○	○
16IL10RD				1.1	1.2		○	○
16EL8RD	-	8	16	1.4	1.3		○	○
16IL8RD				1.4	1.4		○	○
16EL6RD	-	6	16	1.5	1.7		○	○
16IL6RD				1.4	1.5		○	○
22EL6RD	-	6	22	1.5	1.7		○	○
22IL6RD								
22EL4RD	-	4	22	2.2	2.3		○	○
22IL4RD								
27EL4RD	-	4	27	2.2	2.3		○	○
27IL4RD								

ROUND THREADED - DIN 20400

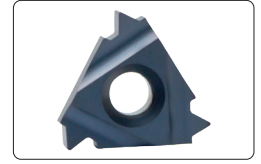
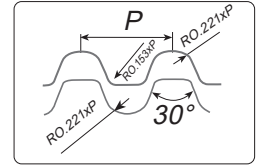


EXTERNAL RIGHT
INTERNAL LEFT

INTERNAL RIGHT
EXTERNAL LEFT



NEUTRAL TYPE - N



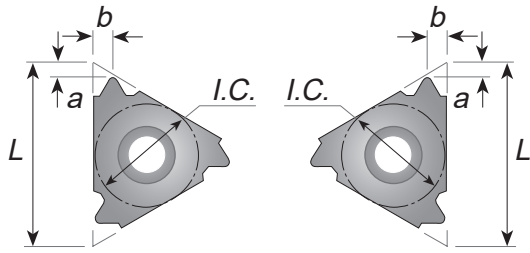
MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK

○ UNDER REQUEST

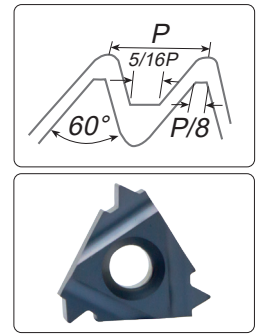
DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
22ER4,0RD20400	4.0	-	22	1.4	1.4		●	○
22IR4,0RD20400							●	○
22ER5,0RD20400	5.0	-	22	1.7	1.8		●	○
22IR5,0RD20400							●	○
22ER6,0RD20400	6.0	-	22	1.7	2.0		●	○
22IR6,0RD20400							●	○
LEFT HAND INSERTS								
22EL4,0RD20400	4.0	-	22	1.4	1.4		○	○
22IL4,0RD20400							○	○
22EL5,0RD20400	5.0	-	22	1.7	1.8		○	○
22IL5,0RD20400							○	○
22EL6,0RD20400	6.0	-	22	1.7	2.0		○	○
22IL6,0RD20400							○	○

UNIFIED NATIONAL THREAD - UNJ



EXTERNAL RIGHT
INTERNAL LEFT

INTERNAL RIGHT
EXTERNAL LEFT

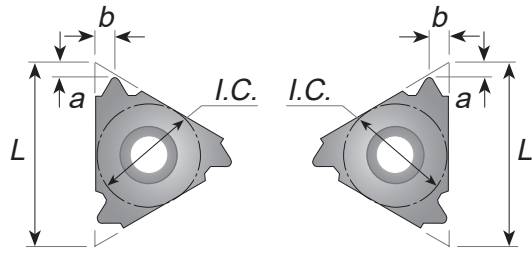


MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK ○ UNDER REQUEST

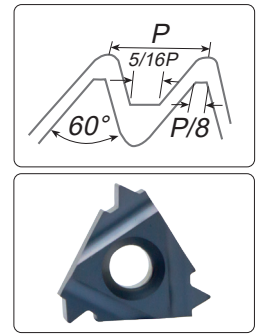
DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAlN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
16ER36UNJ	-	36	16	0.6	0.6		●	○
16IR36UNJ							●	○
16ER32UNJ	-	32	16	0.6	0.6		●	○
16IR32UNJ							●	○
16ER28UNJ	-	28	16	0.6	0.6		●	○
16IR28UNJ							●	○
16ER24UNJ	-	24	16	0.7	0.8		●	○
16IR24UNJ							●	○
16ER20UNJ	-	20	16	0.8	0.9		●	○
16IR20UNJ							●	○
16ER18UNJ	-	18	16	0.8	1.0		●	○
16IR18UNJ							●	○
16ER16UNJ	-	16	16	0.8	1.0		●	○
16IR16UNJ							●	○
LEFT HAND INSERTS								
16EL36UNJ	-	36	16	0.6	0.6		○	○
16IL36UNJ							○	○
16EL32UNJ	-	32	16	0.6	0.6		○	○
16IL32UNJ							○	○
16EL28UNJ	-	28	16	0.6	0.6		○	○
16IL28UNJ							○	○
16EL24UNJ	-	24	16	0.7	0.8		○	○
16IL24UNJ							○	○
16EL20UNJ	-	20	16	0.8	0.9		○	○
16IL20UNJ							○	○
16EL18UNJ	-	18	16	0.8	1.0		○	○
16IL18UNJ							○	○
16EL16UNJ	-	16	16	0.8	1.0		○	○
16IL16UNJ							○	○

UNIFIED NATIONAL THREAD - UNJ



EXTERNAL RIGHT
INTERNAL LEFT

INTERNAL RIGHT
EXTERNAL LEFT

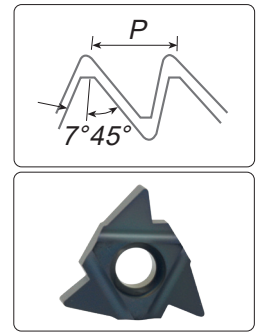
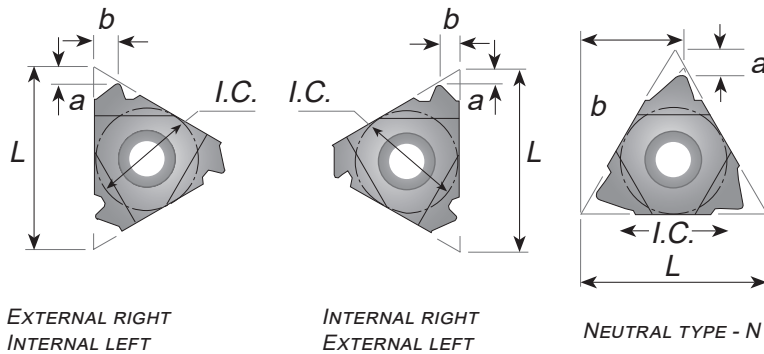


MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK ○ UNDER REQUEST

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAlN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
16ER14UNJ	-	14	16	1.0	1.2		●	○
16IR14UNJ							●	○
16ER13UNJ	-	13	16	1.0	1.3		●	○
16IR13UNJ							●	○
16ER12UNJ	-	12	16	1.1	1.4		●	○
16IR12UNJ							●	○
16ER11UNJ	-	11	16	1.1	1.5		●	○
16IR11UNJ							●	○
16ER10UNJ	-	10	16	1.1	1.5		●	○
16IR10UNJ							●	○
16ER9UNJ	-	9	16	1.2	1.6		●	○
16IR9UNJ							●	○
16ER8UNJ	-	8	16	1.2	1.6		●	○
16IR8UNJ							●	○
LEFT HAND INSERTS								
16EL14UNJ	-	14	16	1.0	1.2		○	○
16IL14UNJ							○	○
16EL13UNJ	-	13	16	1.0	1.3		○	○
16IL13UNJ							○	○
16EL12UNJ	-	12	16	1.1	1.4		○	○
16IL12UNJ							○	○
16EL11UNJ	-	11	16	1.1	1.5		○	○
16IL11UNJ							○	○
16EL10UNJ	-	10	16	1.1	1.5		○	○
16IL10UNJ							○	○
16EL9UNJ	-	9	16	1.2	1.6		○	○
16IL9UNJ							○	○
16EL8UNJ	-	8	16	1.2	1.6		○	○
16IL8UNJ							○	○

AMERICAN BUTTRESS

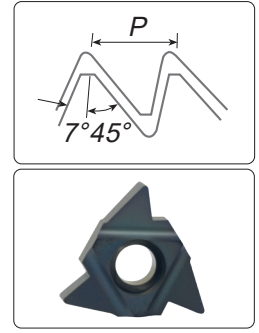
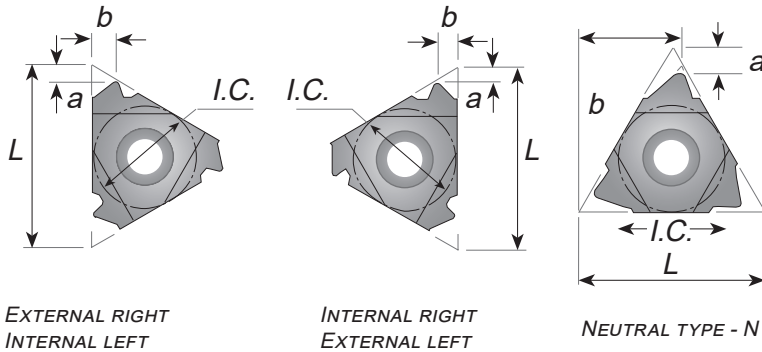


MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

● ON STOCK ○ UNDER REQUEST

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAlN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
11ER20ABUT	-	20	11	1.0	1.3		●	○
11IR20ABUT							●	○
11ER16ABUT	-	16	11	1.0	1.5		●	○
11IR16ABUT							●	○
16ER20ABUT	-	20	16	1.0	1.3		●	○
16IR20ABUT							●	○
16ER16ABUT	-	16	16	1.0	1.5		●	○
16IR16ABUT							●	○
16ER12ABUT	-	12	16	1.4	2.0		●	○
16IR12ABUT							●	○
16ER10ABUT	-	10	16	1.5	2.3		●	○
16IR10ABUT							●	○
LEFT HAND INSERTS								
11EL20ABUT	-	20	11	1.0	1.3		○	○
11IL20ABUT							○	○
11EL16ABUT	-	16	11	1.0	1.5		○	○
11IL16ABUT							○	○
16EL20ABUT	-	20	16	1.0	1.3		○	○
16IL20ABUT							○	○
16EL16ABUT	-	16	16	1.0	1.5		○	○
16IL16ABUT							○	○
16EL12ABUT	-	12	16	1.4	2.0		○	○
16IL12ABUT							○	○
16EL10ABUT	-	10	16	1.5	2.3		○	○
16IL10ABUT							○	○

AMERICAN BUTTRESS



EXTERNAL RIGHT
INTERNAL LEFT

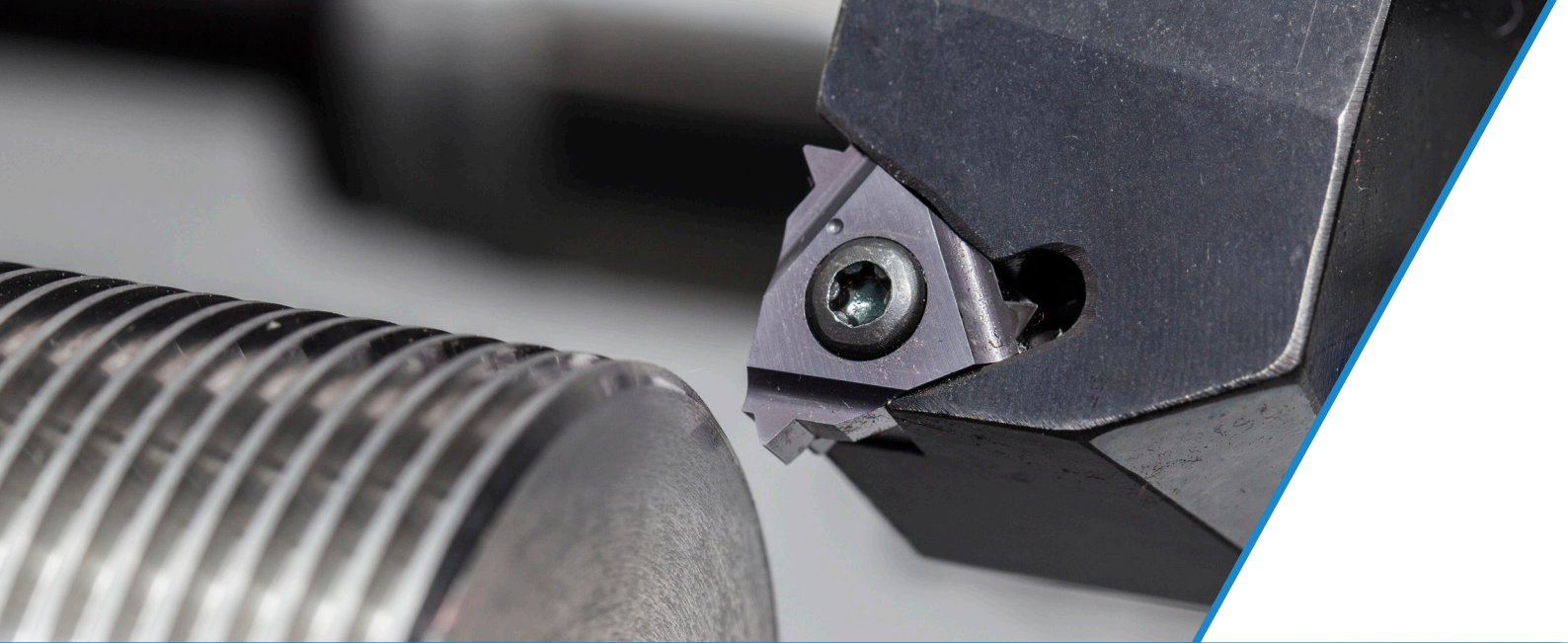
INTERNAL RIGHT
EXTERNAL LEFT

NEUTRAL TYPE - N

● ON STOCK ○ UNDER REQUEST

MACHINING MATERIAL	STEEL	P	●	●
	STAINLESS STEEL	M	●	●
	CAST IRON	K	●	●
	NON-FERROUS METAL	N	●	●
	EXOTIC ALLOY	S		●
	HARDENED STEEL	H	●	●

DESIGNATION	PITCH		L	a	b	GRADE → SUITABLE HOLDER ↓	TiAIN	CUSTOM
	mm	TPI						
RIGHT HAND INSERTS								
22ER8ABUT	-	8	22	2.1	3.3		●	○
22IR8ABUT							●	○
22ER6ABUT	-	6	22	2.1	3.4		●	○
22IR6ABUT							●	○
22NER4ABUT	-	4	22N	2.3	11.7		●	○
22NIR4ABUT							●	○
27NER3ABUT	-	3	27N	3.1	11.7		●	○
27NIR3ABUT							●	○
LEFT HAND INSERTS								
22EL8ABUT	-	8	22	2.1	3.3		○	○
22IL8ABUT							○	○
22EL6ABUT	-	6	22	2.1	3.4		○	○
22IL6ABUT							○	○
22NEL4ABUT	-	4	22N	2.3	11.7		○	○
22NIL4ABUT							○	○
27NEL3ABUT	-	3	27N	3.1	11.7		○	○
27NIL3ABUT							○	○



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