

INSERT CONVERSIONS

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Horizon	Tool-Flo®	Kennametal®	RTW®	Valenite®	Sandvik® **	Mitsubishi®	Insert Style
Notch Style Grooving Inserts							
HF	FLF	NF	---	---	TLF	EF	Face Grooving
HFD	FLFD	NFD	---	---	---	EFD	Deep Face Grooving
HG	FLG	NG	PG	VLG	TLG	EG	ID or OD Grooving
HG RK-LK *	FLG CB *	NG RK-LK *	PG RK-LK *	---	---	EG RK-LK *	With Chipbreaker *
HGD	FLGD	NGD	PGD	---	---	EGD	Deep Grooving
HGD RK-LK	---	NGD RK-LK *	PGD RK-LK *	---	---	---	Deep Grooving Chipbrker *
HGP	FLGP	NGP	---	VLGP	TLGP	EGP	Positive Grooving
HP	---	NP	---	---	---	EP	Back Turning
HR	FLR	NR	PR	VLR	TLR	EGR	Full Nose Radius
HRP	FLRP	NRP	PRP	VLRP	TLRP	---	Positive Full Nose Radius
HU	FLU	NU	---	---	TLU	---	45° Undercutting
HV	FLV	NV	---	---	TLV	---	Poly-V 40°
Notch Style Threading Inserts							
HA	FLA	NA	PA	VLA	TLA	---	Acme
HAS	FLAS	NAS	PAS	VLAS	TLAS	---	Stub Acme
HDC	FLDC	NDC	PDC	VLDC	TLDC	---	NPT Full Profile
HJ	FLJ	NJ	---	---	TLJ	---	UNJ
HJF	FLJF	NJF	---	---	TLJF	---	UNJ Fine Pitch
HT	FLT	NT	PT	VLT	TLT	ET	60° V Partial Profile
HTB	FLTB	NTB	---	---	TLTB	---	American Buttress
HTC	FLTC	NTC	PTC	---	TLTC	---	60° V Full Profile Topping
HTF	FLTF	NTF	PTF	VLTF	TLTF	---	60° V Fine Pitch
HTK	FLTK	NTK	PTK	VLTK	TLTK	---	60° V Fine Pitch Positive
HTP	FLTP	NTP	PTP	VLTP	TLTP	---	60° V Positive
Notch Style Profiling Inserts							
DPGR	DPGR	DPGR	---	---	---	---	55° Profiling
HPL	FLPL	NPL	---	---	---	---	LH 55° Profiling
HPR	FLPR	NPR	---	---	---	---	RH 55° Profiling
VPGR	VPGR	VPGR	---	---	---	---	35° Profiling
<p>* Horizon RK-LK Style Inserts have ground-in 15° to 18° positive rake "Chip Curlers" with sharp edges for free cutting action in tough materials. Competitive Grooving Inserts have molded chipbreakers designed for Steel. See page 41</p> <p>** TopLock® style Inserts available on Special Order. Industry Standard Inserts fit Sandvik TL® holders by changing to Kennametal® style insert clamps. See Pages 31 - 33 for replacement clamps.</p>							
Horizon	Tool-Flo®	Kennametal®	RTW®	Vardex®	Sandvik®	SecoCarboly®	Insert Style
Laydown Threading Inserts							
11NR	11NR	LT11-NR	11NR	2IR	R166.0I-11	11NR	1/4" IC RH INTERNAL
11NL	11NL	LT11-NL	11NL	2IL	L166.0I-11	11NL	1/4" IC LH INTERNAL
16ER	16ER	LT16-ER	16ER	3ER	---	16ER	3/8" IC RH EXTERNAL
16EL	16EL	LT16-EL	16EL	3EL	---	16EL	3/8" IC LH EXTERNAL
16NR	16NR	LT16-NR	16NR	3IR	---	16NR	3/8" IC RH INTERNAL
16NL	16NL	LT16-NL	16NL	3IL	---	16NL	3/8" IC LH INTERNAL
22ER	22ER	LT22-ER	22ER	4ER	---	22ER	1/2" IC RH EXTERNAL
22EL	22EL	LT22-EL	22EL	4EL	---	22EL	1/2" IC LH EXTERNAL
22NR	22NR	LT22-NR	22NR	4IR	---	22NR	1/2" IC RH INTERNAL
22NL	22NL	LT22-NL	22NL	4IL	---	22NL	1/2" IC LH INTERNAL
27ER	---	---	27ER	5ER	---	27ER	5/8" IC RH EXTERNAL
27EL	---	---	27EL	5EL	---	27EL	5/8" IC LH EXTERNAL
27NR	---	---	27NR	5IR	---	27NR	5/8" IC RH INTERNAL
27NL	---	---	27NL	5IL	---	27NL	5/8" IC LH INTERNAL