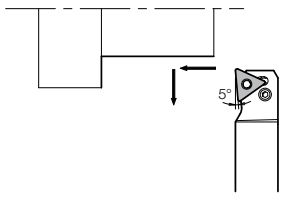
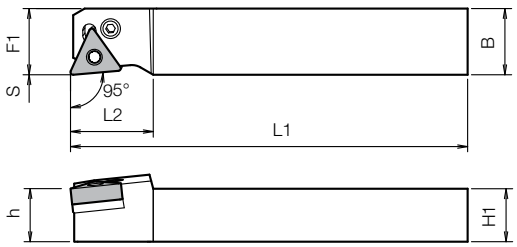
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PTLN-FF (Without Offset • External / Up Facing)





Side Rake Angle : - 6°
Inclination Angle : - 6°

• Right-hand Shown

Toolholder Dimensions

Part Number		Stock	Dimensions (mm)						Standard Corner-R(rε)	Spare Parts					
			H1=h	B	L1	L2	F1	S		Lever	Lock Screw	Shim	Shim Pin	Punch	Wrench
PTLNR	**1620JX-16FF**	○	16	20	120	24	20	0	0.8	LL-1N	LS-1N	LT-32N ※LT-32N-20	LSP-1	PC-1	FH-2.5
	2020JX-16FF	○	20	20	120	24	20	0							

※ When using inserts whose corner R(rε) is greater than 1.6mm, please purchase and use **LT-32N-20** shim to prevent workpiece and shim interference

Applicable Inserts (1st Recommendation)

Application	Finishing-Medium	Medium-Roughing
Ref. Page	B36	B36, B37
Insert / Toolholder	**FP-SK**	**FP-TK**
PTLNR...-16FF	TNGG33..	TNGG33..

Recommended Cutting Conditions **E39**

Applicable Inserts (TN□□ Optional)

Application	Finishing	Finishing-Medium	Finishing-Medium	Medium-Roughing	Medium-Roughing	Medium-Roughing	Medium-Roughing / High Feed Rate	Medium-Roughing / High Feed Rate	Roughing
Ref. Page	B33	B33	B33	B34	B34	B34	B35	B35	B35
Insert	**PP**	**PQ**	**CQ**	**GS**	**PG**	**PS**	**PT**	**GT**	**PH**
Size	33..	33..	33..	33..	33..	33..	33..	33..	33..
Application	Single Sided / Roughing / High Feed Rate	Roughing	Finishing	Finishing-Roughing	Medium-Roughing / Low Cutting Force	Soft Steel / Small D.O.C.	Soft Steel / Finishing	Soft Steel / Medium	Soft Steel / Roughing
Ref. Page	B35	B35	B40	B40	B40	B36	B36	B36	B36
Insert	**PX**	**Standard**	**R-S**	**R-** □	**R-25R**	**XF**	**XP**	**XQ**	**XS**
Size	33..	33..	33..	33..	33..	33..	33..	33..	33..
Application	Stainless Steel / Finishing	Stainless Steel / Medium-Roughing	Stainless Steel / Medium-Roughing	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Non-ferrous Metals
Ref. Page	B37	B37	B37	B38	B38	B38	B38	B95	B39
Insert	**MQ**	**MS**	**MU**	**C**	**ZS**	**GC**	**Without Chipbreaker**	**Ceramic**	**AH**
Size	33..	33..	33..	33..	33..	33..	33..	33..	33..
Application	Non-ferrous Metals	Non-ferrous Metals	Hard Materials						
Ref. Page	B39	C23	C11						
Insert	**R-A3**	**PCD**	**CBN**						
Size	33..	33..	33..						

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● : U.S. Stock Standard
○ : World Express (Shipping: 7-10 Business Days)