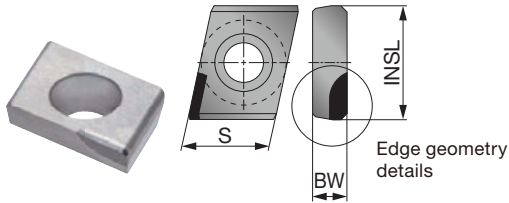
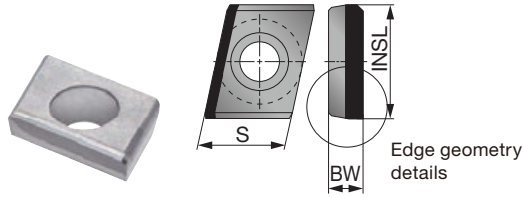


## INSERTS

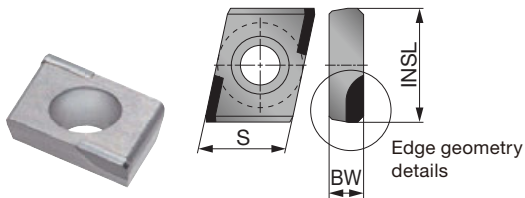
### YPEB12X3-1A



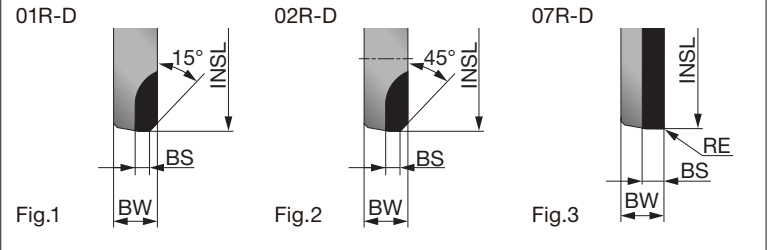
### YPEB12X-FP



### YPEB12X3-2A/P



### Edge geometry details



<b>P</b>	Steel		
<b>M</b>	Stainless		
<b>K</b>	Cast iron		
<b>N</b>	Non-ferrous	★	
<b>S</b>	Superalloys		
<b>H</b>	Hard materials		

★ : First choice  
☆ : Second choice

Designation	No. of corner	RE	APMX	PCD				INSL	S	BW	BS	Applicable cutter diameter	Fig.
				DX160									
YPEB12X3-1A01R-D	1	-	4	●				12.77	9.525	3.85	1.59	$D_c > \phi 50$ mm	1
YPEB12X3-1A02R-D	1	-	4	●				12.756	9.525	3.85	1.29	$D_c > \phi 50$ mm	2
YPEB12X3-1A07R-D	1	0.4	4	●				12.756	9.525	3.85	1.34	$D_c > \phi 50$ mm	3
YPEB12X3-1P02R-D	1	-	4	●				12.817	9.525	3.85	1.37	$D_c \leq \phi 50$ mm	2
YPEB12X3-1P07R-D	1	0.4	4	●				12.817	9.525	3.85	1.37	$D_c \leq \phi 50$ mm	3
YPEB12X3-FP02R-D	1	-	11	●				12.817	9.525	3.85	1.37	$D_c \leq \phi 50$ mm	2
YPEB12X3-FP07R-D	1	0.4	11	●				12.817	9.525	3.85	1.37	$D_c \leq \phi 50$ mm	3
YPEB12X3-2A01R-D	2	-	4	●				12.8	9.525	3.868	1.59	$D_c > \phi 50$ mm	1
YPEB12X3-2A02R-D	2	-	4	●				12.8	9.525	3.868	2.07	$D_c > \phi 50$ mm	2
YPEB12X3-2A07R-D	2	0.4	4	●				12.8	9.525	3.868	2.07	$D_c > \phi 50$ mm	3
YPEB12X3-2P07R-D	2	0.4	4	●				12.876	9.525	3.85	2.07	$D_c \leq \phi 50$ mm	3

● : Line up  
2 pieces per package

## STANDARD CUTTING CONDITIONS

ISO	Workpiece material	Grade	Cutting speed $V_c$ (m/min)	Feed per tooth $f_z$ (mm/z)
<b>N</b>	Aluminum cast Si < 13%	DX160	≤ 6000	0.05 - 0.25
	Aluminum cast Si ≥ 13%	DX160	≤ 1500	0.05 - 0.25
	Copper, brass, etc.	DX160	≤ 2000	0.05 - 0.25
	Non metallic material	DX160	≤ 3000	0.05 - 0.25