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**New chip breaker geometry PT for system 224**

Paul Horn GmbH is expanding the S224 double-edged grooving system for Swiss-type machining. The indexable insert with PT geometry is particularly well suited to use in confined spaces and for back turning. The cutting geometry is designed for productive longitudinal, face and contour turning. The optimised chip breaker geometry ensures reliable swarf control. Horn offers the cutting insert with a choice of two different coatings to suit various materials. The 2.8 mm (0.110") cutting edge angled at 50 degrees ensures low material wastage when parting off the workpiece.

The maximum cutting depth of the new PT geometry is ap = 2.5 mm (0.098"). Inserts are available from stock in left- and right-hand versions with a corner radius of 0.2 mm (0.008"). Depending on the material to be machined, Horn offers the coatings EG5 as well as IG3. The matching toolholders are available in sizes 12 x 12 mm (0.472 x 0.472") and 16 x 16 mm (0.630 x 0.630"), in left- and right-hand versions. The targeted internal coolant supply to the shear zone ensures efficient cooling for all holder variants.

*1,090 characters incl. spaces*



**photo caption:** The indexable insert type S224 with PT geometry is particularly well suited to use in confined spaces and for back turning.

Source: Horn/Sauermann

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**photo caption:** Horn is expanding the S224 double-edged grooving system especially for Swiss-type machining.

Source: Horn/Sauermann

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