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**New system for grooving and parting off**

S234 – this is the name of the newly developed parting system that Horn has developed especially for large grooving depths. The double-edged system enables a maximum depth of cut of 33 mm (1.300"). This means that diameters up to 65 mm (2.560") can be parted off reliably and economically. The combination of high grooving depths, rigid clamping, high-performance chip breaker geometry and internal cooling makes the system extremely attractive in terms of price/performance ratio.

The inserts are available in cutting widths of 2 mm (0.079”) and 3 mm (0.118"). The corner radii are 0.2 mm (0.008") and 0.3 mm (0.012”) respectively. The sintered EN geometry ensures reliable chip removal. Depending on the material to be machined, the inserts are available in AS45 and IG65 grades. Square shank holders in sizes 20 mm x 20 mm (0.787 x 0.787") and 25 mm x 25 mm (0.984 x 0.984") ensure stable clamping. Horn also offers reinforced grooving blades and tool holders for the modular parting and grooving system. All types are equipped with internal coolant supply.

*1.060 characters incl. spaces*



**photo caption:** S234 – this is the name of the newly developed parting system that Horn has developed especially for large grooving depths.

Source: Horn/Sauermann

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**photo caption:** Horn offers reinforced grooving blades and tool holders for the modular parting and grooving system. All types are equipped with internal coolant supply.

Source: Horn/Sauermann

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