

Tool	<b>TiN-tip-coated HSS twist drills</b>
Brief description	Twist drill to DIN 338 (~5xD), type N, right-hand cutting, HSS with TiN-tip-coating
Programme	Standard tool in SL programme (discount group 159): <ul style="list-style-type: none"> <li>• Single tool Guh. no. 9651 in Ø- Range d = 1,0 mm – 16,0 mm</li> <li>• Drill sets Guh. no. 234 6,014 (1.0-13.0mm x 0.5mm)                Guh. no. 234 6,013 (1.0-10.0mm x 0.5mm)                Guh. no. 234 6,018 (1.0-10.5mm x 0.5mm + tapping size Ø)                Guh. no. 234 6,015 (1.0-5.9mm x 0.1mm)                Guh. no. 234 6,016 (6.0-10.0mm x 0.1mm)</li> </ul>
Product photos	
Further technical features	<ul style="list-style-type: none"> <li>• Relieved cone</li> <li>• Web thinning <math>\geq 1.0</math> mm</li> <li>• 118°- point angle</li> </ul>
Range of application	<ul style="list-style-type: none"> <li>• Steel and cast steel (alloyed and unalloyed)</li> <li>• Grey cast iron, malleable cast iron, spheroidal graphite iron</li> <li>• Sintered iron and graphite</li> </ul>
Customer target group	<ul style="list-style-type: none"> <li>• General trade applications</li> <li>• CNC-plants, metal working companies</li> <li>• Repair and maintenance</li> </ul>
Competitor situation	<ul style="list-style-type: none"> <li>• Dormer „A002“: TiN-tip-coated HSS drill</li> <li>• YG-1 “Gold-P” : TiN- tip-coated HSS drill</li> <li>• Sutton Tools “Viper Plus”: TiAlN- tip-coated HSS drill</li> </ul>
Application recommendation	Cutting values same as Guhring no. 651
Production locations	Onstmettingen (grinding), Altdorf (coating)
Re-grinding and re-coating	Basically possible; however either directly re-ground by end user or not re-ground.