

GÜHRING

SuperLine

- designed for machining long-chipping steels
- excellent chip removal even at low cutting speeds
- precise drilling and long tool life even under unstable conditions

RT 100 Type C Solid carbide drill for machining long-chipping steels

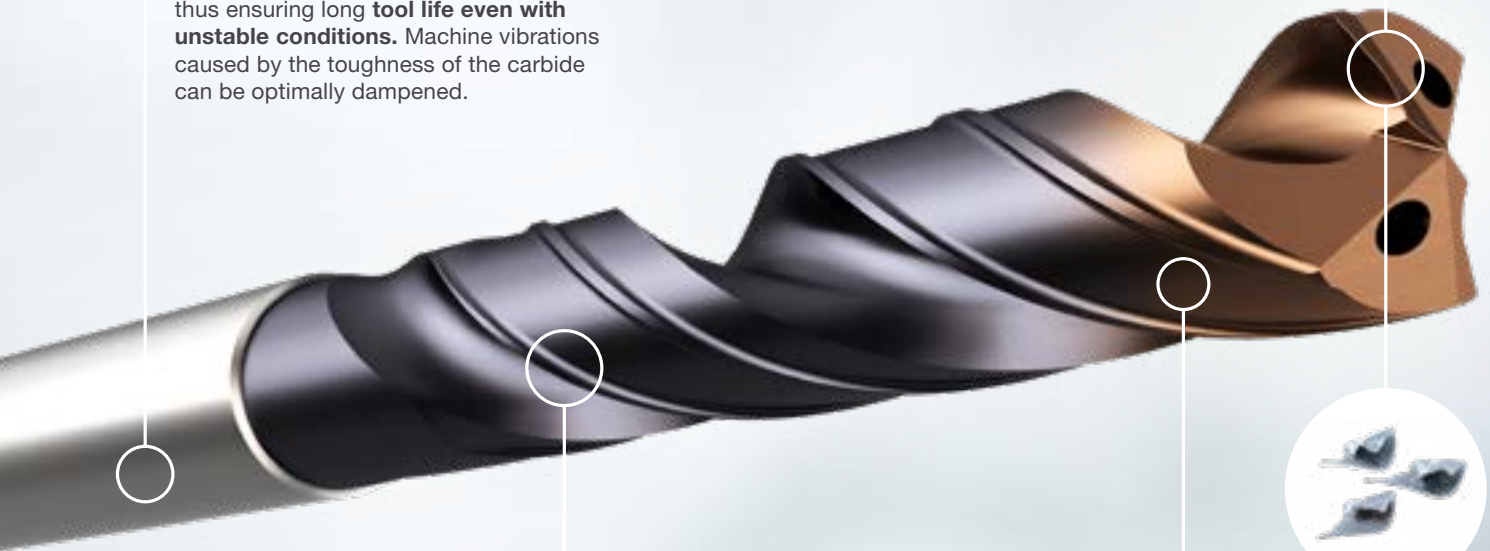
GÜHRING – YOUR WORLDWIDE PARTNER

CONCAVE SHAPED MAIN CUTTING EDGES

ensure perfect cutting and penetration behaviour when machining long-chipping materials. The chip is **rolled tightly** and can be **optimally removed at low cutting speeds in tough and sticky materials**.

SPECIAL CARBIDE

The carbide of the RT 100 Type C optimally combines hardness and toughness, thus ensuring long **tool life even with unstable conditions**. Machine vibrations caused by the toughness of the carbide can be optimally dampened.



The RT 100 Type C is designed with four **guide chamfers** as standard, this gives more support and guidance and allows a recutting effect to correct non-concentric applications. This means the bore does not have to be bored out.

HYBRID COATING

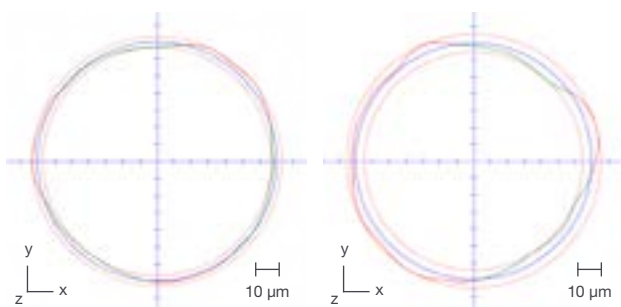
The **Persistum coating** of the RT 100 Type C is specially designed for high-performance machining and thermally demanding applications. Even with limited cutting parameters, chips can be safely removed and process temperatures safely dissipated. This makes the tool much more wear-resistant.



SMALL CHIPS

ROUNDNESS MEASUREMENT

Ø 6.8 mm in C45



RT 100 Type C

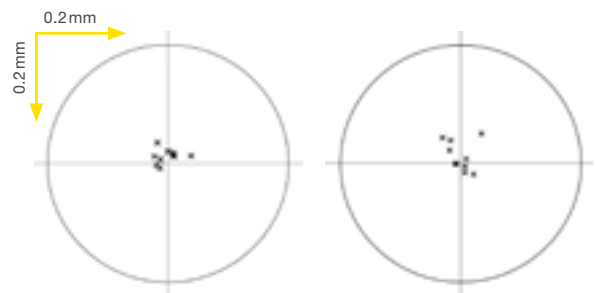
v_c | 125 m/min
 f | 0.25 mm/U

Competitor

v_c | 125 m/min
 f | 0.25 mm/U

TAPER GAUGE

Ø 6.8 mm in C45



RT 100 Type C

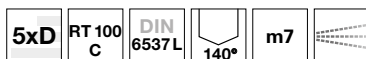
v_c | 125 m/min
 f | 0.25 mm/U

Competitor

v_c | 125 m/min
 f | 0.25 mm/U



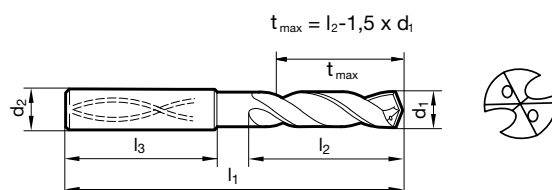
Ratio drills with coolant ducts

Tool material **Solid carbide**Surface **Persistum**Shank form **HA****NEW**

P • facet point grind • main cutting edge form concave • optimised cutting geometry • maximum performance

M**K****N****S****H**

structural and case hardened steels • free-cutting steels, heat-treatable steels • steels (alloyed/unalloyed) up to 1400 N/mm²

Article no. **9989**

Cutting direction

d1	d2	l1	l2	l3	Availability
mm	mm	mm	mm	mm	
3.000	6.00	66.00	28.00	36.00	●
3.300	6.00	66.00	28.00	36.00	●
3.500	6.00	66.00	28.00	36.00	●
4.000	6.00	74.00	36.00	36.00	●
4.200	6.00	74.00	36.00	36.00	●
4.500	6.00	74.00	36.00	36.00	●
5.000	6.00	82.00	44.00	36.00	●
5.500	6.00	82.00	44.00	36.00	●
6.000	6.00	82.00	44.00	36.00	●
6.500	8.00	91.00	53.00	36.00	●
6.800	8.00	91.00	53.00	36.00	●
7.000	8.00	91.00	53.00	36.00	●
7.500	8.00	91.00	53.00	36.00	●
8.000	8.00	91.00	53.00	36.00	●
8.500	10.00	103.00	61.00	40.00	●
9.000	10.00	103.00	61.00	40.00	●
9.500	10.00	103.00	61.00	40.00	●
10.000	10.00	103.00	61.00	40.00	●
10.200	12.00	118.00	71.00	45.00	●
10.500	12.00	118.00	71.00	45.00	●
11.000	12.00	118.00	71.00	45.00	●
11.500	12.00	118.00	71.00	45.00	●
12.000	12.00	118.00	71.00	45.00	●
12.500	14.00	124.00	77.00	45.00	●
13.000	14.00	124.00	77.00	45.00	●
13.500	14.00	124.00	77.00	45.00	●
14.000	14.00	124.00	77.00	45.00	●
14.500	16.00	133.00	83.00	48.00	●
15.000	16.00	133.00	83.00	48.00	●
15.500	16.00	133.00	83.00	48.00	●
16.000	16.00	133.00	83.00	48.00	●

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