

**Value pack HOLEX Pro Inox solid carbide torus cutter HPC DIN 6535 HB****Order data**

|              |               |
|--------------|---------------|
| Order number | GG1248 16/0,5 |
| GTIN         | 4045197908964 |
| Item class   | GGN           |

**Description****Version:**

Dimensions similar to DIN 6527.

For **outstanding tool life**.

For use at **high cutting speeds, particularly suitable even for steels up to approx. 1100N/mm<sup>2</sup>**.

**Same as No. 206348.**

**Technical description**

|                                                                       |          |
|-----------------------------------------------------------------------|----------|
| Feed $f_z$ for copy milling in stainless steel $> 900 \text{ N/mm}^2$ | 0.096 mm |
| Overhang length $L_1$ incl. recess                                    | 42 mm    |
| Cutting edge $\varnothing D_c$                                        | 16 mm    |
| Feed $f_z$ for side milling in INOX $> 900 \text{ N/mm}^2$            | 0.078 mm |
| Flute length $L_c$                                                    | 36 mm    |
| Recess $\varnothing D_1$                                              | 15.5 mm  |
| Shank $\varnothing D_s$                                               | 16 mm    |
| No. of teeth Z                                                        | 4        |

## Data sheet

|                                                    |                                  |
|----------------------------------------------------|----------------------------------|
| Shank                                              | DIN 6535 HB to h6                |
| Overall length L                                   | 92 mm                            |
| Corner radius R <sub>1</sub>                       | 0.5 mm                           |
| Helix angle                                        | 35 degrees                       |
| Contents                                           | 5                                |
| Series                                             | Pro Inox                         |
| Coating                                            | AlCrN                            |
| Tool material                                      | Solid carbide                    |
| Standard                                           | Manufacturer's standard          |
| Type                                               | N                                |
| Tolerance nominal Ø                                | f8                               |
| Helix angle characteristic                         | unequal spacing                  |
| Spacing of the cutters                             | unequal spacing                  |
| Direction of infeed                                | horizontal, oblique and vertical |
| Cutting width a <sub>e</sub> for milling operation | 0.05×D for copy milling          |
| Cutting width a <sub>e</sub> for milling operation | 0.3×D for side milling           |
| Machining strategy                                 | HPC                              |
| Shank tolerance                                    | h6                               |
| Type of product                                    | Torus cutter                     |

## User data

|                                | Suitability                               | V <sub>c</sub> | ISO code |
|--------------------------------|-------------------------------------------|----------------|----------|
| Steel < 500 N/mm <sup>2</sup>  | suitable                                  | 240 m/min      | P        |
| Steel < 750 N/mm <sup>2</sup>  | suitable                                  | 220 m/min      | P        |
| Steel < 900 N/mm <sup>2</sup>  | suitable                                  | 180 m/min      | P        |
| Steel < 1100 N/mm <sup>2</sup> | suitable                                  | 180 m/min      | P        |
| Steel < 1400 N/mm <sup>2</sup> | suitable only under restricted conditions | 150 m/min      | P        |

|                              |                                           |           |   |
|------------------------------|-------------------------------------------|-----------|---|
| TOOLOX 33                    | suitable only under restricted conditions | 115 m/min | H |
| TOOLOX 44                    | suitable only under restricted conditions | 80 m/min  | H |
| INOX < 900 N/mm <sup>2</sup> | suitable                                  | 100 m/min | M |
| INOX > 900 N/mm <sup>2</sup> | suitable                                  | 85 m/min  | M |
| Uni                          | suitable only under restricted conditions |           |   |
| wet maximum                  | suitable                                  |           |   |
| wet minimum                  | suitable only under restricted conditions |           |   |
| dry                          | suitable only under restricted conditions |           |   |
| Air                          | suitable only under restricted conditions |           |   |

### Suitable products

<https://www.hoffmann-group.com/GB/en/hom/p/GG1248-16/0,5>