

# EXCLUSIVE LINE®

## HR 500 solid carbide high-performance reamers Standard range and dimensions

### HR 500 solid carbide high-performance reamers

#### Product information

- right-hand cutting
- extremely unequal flute spacing
- straight-fluted
- straight shank tolerance h6 for hydraulic or shrink fit chucks

The solid carbide HPC reamer HR 500 operates with highest cutting rates (see GuhringNavigator) and produces extremely high-quality holes. Therefore, it enables considerable savings in production costs. In addition, it provides very high process reliability. The special coolant supply of the HR 500 D ensures an optimal chip evacuation and an optimal cooling.

Tool material/carbide grade

Surface finish

Discount group

**Guhring no.**

Type

DIN

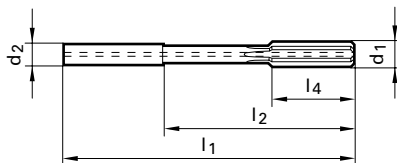
Tolerance



**Guhring std.**

**hole tolerance zone H7**

#### HR 500 ACTIVE

Intermediate sizes and stepped reamers see page 16!



Solid carbide	Solid carbide
TiAlN	TiAlN
166	166
<b>1685</b>	<b>1686</b>
S for blind holes	D for through holes
	

Nom.-Ø d <sub>1</sub>	Shank-Ø d <sub>2</sub> h6	Total length l <sub>1</sub>	Effective length l <sub>2</sub>	Cutting edge length l <sub>4</sub>	No. of flutes	Standard range	
4.00	4.00	68	40	12	4	•	•
4.50	6.00	76	40	12	4	•	•
5.00	6.00	76	40	12	4	•	•
5.50	6.00	76	40	12	4	•	•
6.00	6.00	76	40	12	4	•	•
6.50	8.00	101	65	16	6	•	•
7.00	8.00	101	65	16	6	•	•
7.50	8.00	101	65	16	6	•	•
8.00	8.00	101	65	16	6	•	•
8.50	10.00	101	61	19	6	•	•
9.00	10.00	101	61	19	6	•	•
9.50	10.00	101	61	19	6	•	•
10.00	10.00	101	61	19	6	•	•
10.50	12.00	130	85	19	6	•	•
11.00	12.00	130	85	19	6	•	•
11.50	12.00	130	85	19	6	•	•
12.00	12.00	130	85	19	6	•	•
13.00	14.00	130	85	22	6	•	•
14.00	14.00	130	85	22	6	•	•
15.00	16.00	150	102	22	6	•	•
16.00	16.00	150	102	22	6	•	•
17.00	18.00	150	102	25	6	•	•
18.00	18.00	150	102	25	6	•	•
19.00	20.00	150	100	25	6	•	•
20.00	20.00	150	100	25	6	•	•