



# ORTHOPEDIC IMPLANTS

A. Haas / Schuette / Makino / Anca / Schneeberger





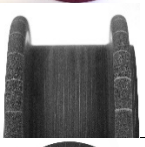
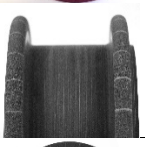


## HIP AND KNEE JOINT

Orthopaedic implants are manufactured to replace a joint or bone (e.g. knees, hips, shoulders). Joint replacement surgery is considered the most effective intervention for osteoarthritis. Therefore, various medical devices like knee or hip implants are needed. KREBS & RIEDEL offers high performance tools for grinding of these implants. The high quality requirements in the medical manufacturing process can be fulfilled.

- Bespoke grinding wheels are produced as required
- High surface quality
- Long tool life
- Cooperation with well-known machine manufacturers
- Safety stock possible
- Continuous development through R&D
- Application support worldwide
- Other dimensions and specifications on request



## STANDARD DIMENSIONS

Shape	Type	D (mm)	T (mm)	H (mm)	X (mm)	R (mm)	Specification	Machine	Body	Comments	Picture
1F	Conventional vitrified bonded	250	12	51			47A 60 J 10 V 170	Haas	-	Pre-grinding Max speed 50 m/s	
1F	Conventional vitrified bonded	250	16,5	51			47A 60 J 10 V 170	Haas	-	Pre-grinding Max speed 50 m/s	
1F	Conventional vitrified bonded	175	15	25,4			47A 60 J 10 V 170	Schuette	-	Pre-grinding Max speed 50 m/s	
Special	Vitrified CBN	250	125	51	15-20	6-10	25B 126 X VP - 175	Haas	Carbon Fiber	Pre-grinding Re-Coating possible Max speed 125 m/s	
14F1	Vitrified CBN	250	20	51	15-20	6-10	25B 126 X VP - 175	Haas	Carbon Fiber	Pre-grinding Re-Coating possible Max speed 125 m/s	
14F1	Vitrified CBN	175	16	25,4	15-20	8	25B 126 X VP - 175	Schuette	Carbon Fiber	Pre-grinding Re-Coating possible Max speed 125 m/s	

# SURGICAL INSTRUMENTS

A. Haas / Schuette / Anca / Studer / Schneeberger


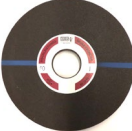
## BONE RASPS & HIP BROACHES

KREBS & RIEDEL offers high performance tools for grinding of different types of medical parts such as medical bone rasps and hip broaches. Rasps are used for bone surgery, bone correction, hump removal and other orthopedic procedures. Another category of rasps are hip broaches. These are a set of shaped rasps which progressively increase in size and are used to internally shape the femoral canal during hip replacements.

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- High surface quality
- Long tool life
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- Safety stock possible
- Continuous development through R&D
- Application support worldwide
- Other dimensions and specifications on request



## STANDARD DIMENSIONS

Shape	Type	D (m m)	T (mm)	H (mm)	X (mm)	R (mm)	Specification	Machine	Body	Comments	Picture
1V1	Vitrified CBN	175	10	31,75			25B 126 X VP -175	Haas, Schuette, Anca, Studer	Steel	Re-Coating possible Max speed 125 m/s	
1A	Resinoid bond	250	10	51			40A 80 / 1 B - 70	Haas, Schuette, Anca, Studer	-	Max speed 50 m/s	
1A	Resinoid bond	300	15	51			40A 80 / 1 B - 70	Haas, Schuette, Anca, Studer	-	Max speed 50 m/s	