

THE NEW RHYTHM OF OUR REAMING

 **KOMET**[®]
GROUP

DIHART rocks more than ever.
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our efficient reaming!
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Wide range of tools – easy to choose

Benefit from reaming speed today with the preferred
DIHART series, now in stock!

DIHART
Reamax[®] TS



DIHART
Reamax[®]



DIHART
Monomax[®]



DIHART® Preferred Range

Available from stock!



Reamax® TS	Dimensions			75J.71 – Coating TiN		75J.37 – Coa	
Reaming Head – expandable finish-ground to fit H7 							
	$\varnothing D$	$\varnothing x \sim$	$l2 \sim$	No. of teeth	Order No.	Order No.	Order
	18 ^{H7}	14	20	6	75J.71.18H7G	75J.71.18H7L	75J.37.
	20 ^{H7}	16	20	6	75J.71.20H7G	75J.71.20H7L	75J.37.
	22 ^{H7}	17,8	20	6	75J.71.22H7G	75J.71.22H7L	75J.37.
	24 ^{H7}	19,8	20	6	75J.71.24H7G	75J.71.24H7L	75J.37.
	25 ^{H7}	20,8	20	6	75J.71.25H7G	75J.71.25H7L	75J.37.
	28 ^{H7}	22,6	25	6	75J.71.28H7G	75J.71.28H7L	75J.37.
	30 ^{H7}	24,6	25	6	75J.71.30H7G	75J.71.30H7L	75J.37.
	32 ^{H7}	26	25	8	75J.71.32H7G	75J.71.32H7L	75J.37.
	35 ^{H7}	28,1	25	8	75J.71.35H7G	75J.71.35H7L	75J.37.
	40 ^{H7}	33,1	25	8	75J.71.40H7G	75J.71.40H7L	75J.37.
	50 ^{H7}	42,5	30	8	75J.71.50H7G	75J.71.50H7L	75J.37.

Reamax®	Dimensions			640.93 – Cutting material DST		
Replaceable Insert – solid finish-ground to fit H7 						
	$\varnothing D$	$\varnothing x \sim$	$f \sim$	No. of teeth		Order No.
	15 ^{H7}	12,5	0,5	6		640.93.15H7G
	16 ^{H7}	13	0,5	6		640.93.16H7G
	18 ^{H7}	15	0,5	6		640.93.18H7G
	20 ^{H7}	17	0,5	6		640.93.20H7G
	22 ^{H7}	19	0,5	8		640.93.22H7G
	24 ^{H7}	21	0,5	8		640.93.24H7G
	25 ^{H7}	22	0,5	8		640.93.25H7G
	28 ^{H7}	24	0,5	8		640.93.28H7G
	30 ^{H7}	26	0,5	8		640.93.30H7G

Monomax®	Dimensions short version					
	Reaming tool – expandable finish-ground to fit H7 queue cylindrique suivant norme DIN 1835 	$\varnothing D$	$\varnothing d \times c$	L	b	$f \sim$
6 ^{H7}		12 x 45	85	40	0,1	9,5
8 ^{H7}		12 x 45	85	40	0,1	9,5
10 ^{H7}		12 x 45	95	50	0,1	9,5
12 ^{H7}		12 x 45	95	50	0,1	9,5
14 ^{H7}		12 x 45	95	50	0,1	9,5
15 ^{H7}		12 x 45	95	50	0,1	9,5
16 ^{H7}		16 x 50	100	50	0,1	9,5
18 ^{H7}		16 x 50	100	50	0,1	9,5
20 ^{H7}	20 x 60	120	60	0,1	9,5	
	Dimensions long version					
	$\varnothing D$	$\varnothing d \times c$	L	b	$f \sim$	$a \sim$
	6 ^{H7}	12 x 45	130	85	0,1	9,5
	8 ^{H7}	12 x 45	130	85	0,1	9,5
	10 ^{H7}	12 x 45	160	115	0,1	9,5
	12 ^{H7}	12 x 45	160	115	0,1	9,5
	14 ^{H7}	12 x 45	160	115	0,1	9,5
	15 ^{H7}	12 x 45	160	115	0,1	9,5
	16 ^{H7}	16 x 50	180	130	0,1	9,5
18 ^{H7}	16 x 50	180	130	0,1	9,5	
20 ^{H7}	20 x 60	200	140	0,1	9,5	



Coating DBG-N		75J.93 – Cutting material DST		75J.47 – Coating DBF		75J.17 – Coating DBC	
Cutting geometry		Cutting geometry		Cutting geometry		Cutting geometry	
Order No.	Order No.	Order No.	Order No.	Order No.	Order No.	Order No.	Order No.
18H7G	75J.93.18H7G	75J.93.18H7L	75J.47.18H7G	75J.47.18H7L	75J.17.18H7G	75J.17.18H7L	75J.17.18H7L
20H7G	75J.93.20H7G	75J.93.20H7L	75J.47.20H7G	75J.47.20H7L	75J.17.20H7G	75J.17.20H7L	75J.17.20H7L
22H7G	75J.93.22H7G	75J.93.22H7L	75J.47.22H7G	75J.47.22H7L	75J.17.22H7G	75J.17.22H7L	75J.17.22H7L
24H7G	75J.93.24H7G	75J.93.24H7L	75J.47.24H7G	75J.47.24H7L	75J.17.24H7G	75J.17.24H7L	75J.17.24H7L
25H7G	75J.93.25H7G	75J.93.25H7L	75J.47.25H7G	75J.47.25H7L	75J.17.25H7G	75J.17.25H7L	75J.17.25H7L
28H7G	75J.93.28H7G	75J.93.28H7L	75J.47.28H7G	75J.47.28H7L	75J.17.28H7G	75J.17.28H7L	75J.17.28H7L
30H7G	75J.93.30H7G	75J.93.30H7L	75J.47.30H7G	75J.47.30H7L	75J.17.30H7G	75J.17.30H7L	75J.17.30H7L
32H7G	75J.93.32H7G	75J.93.32H7L	75J.47.32H7G	75J.47.32H7L	75J.17.32H7G	75J.17.32H7L	75J.17.32H7L
35H7G	75J.93.35H7G	75J.93.35H7L	75J.47.35H7G	75J.47.35H7L	75J.17.35H7G	75J.17.35H7L	75J.17.35H7L
40H7G	75J.93.40H7G	75J.93.40H7L	75J.47.40H7G	75J.47.40H7L	75J.17.40H7G	75J.17.40H7L	75J.17.40H7L
50H7G	75J.93.50H7G	75J.93.50H7L	75J.47.50H7G	75J.47.50H7L	75J.17.50H7G	75J.17.50H7L	75J.17.50H7L

640.37 – Coating DBG-N

Cutting geometry



Order No.

640.37.15H7G

640.37.16H7G

640.37.18H7G

640.37.20H7G

640.37.22H7G

640.37.24H7G

640.37.25H7G

640.37.28H7G

640.37.30H7G

Cutting materials / Coatings

TiN is an all purpose coating material. It has a very smooth surface and has very little affinity to many materials. This avoids structure deformation which gives excellent surface-finish results when reaming, and with considerably higher cutting data than with non coated carbide reamers.

DBG-N is a coating which offers a very high grade of hardness. The coating also has a very high oxidation resistance. This makes this particular high-performance coating very suitable for high cutting speeds, and also for using with mist coolant machining.

DST is a high-performance cutting material, and very suitable for high-speed reaming. DST is ideal for machining non-alloyed or low alloyed steels up to 1200 N/mm² tensile strength. DST is also excellent for reaming nodular iron.

DBF is a coating that exhibits a very high level of hardness and a high resistance to oxidation. This makes the coating suitable for cast iron machining. A very smooth layer means that stainless materials can also be successfully machined.

DBC is a coating with a very high level of hardness and an extremely smooth surface. It is suitable for machining aluminium and copper alloys.

56J.71 – Coating TiN

Cutting geometry



Order No.

56J.71.06H7G

56J.71.08H7G

56J.71.10H7G

56J.71.12H7G

56J.71.14H7G

56J.71.15H7G

56J.71.16H7G

56J.71.18H7G

56J.71.20H7G

Cutting geometry



Order No.

56J.71.06H7L

56J.71.08H7L

56J.71.10H7L

56J.71.12H7L

56J.71.14H7L

56J.71.15H7L

56J.71.16H7L

56J.71.18H7L

56J.71.20H7L

56J.37 – Coating DBG-N

Cutting geometry



Order No.

56J.37.06H7G

56J.37.08H7G

56J.37.10H7G

56J.37.12H7G

56J.37.14H7G

56J.37.15H7G

56J.37.16H7G

56J.37.18H7G

56J.37.20H7G

56J.93 – Cutting material DST

Cutting geometry



Order No.

56J.93.06H7G

56J.93.08H7G

56J.93.10H7G

56J.93.12H7G

56J.93.14H7G

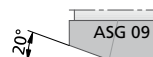
56J.93.15H7G

56J.93.16H7G

56J.93.18H7G

56J.93.20H7G

Cutting geometry



Order No.

56J.93.06H7L

56J.93.08H7L

56J.93.10H7L

56J.93.12H7L

56J.93.14H7L

56J.93.15H7L

56J.93.16H7L

56J.93.18H7L

56J.93.20H7L

56R.71 – Coating TiN

56R.71.06H7G

56R.71.08H7G

56R.71.10H7G

56R.71.12H7G

56R.71.14H7G

56R.71.15H7G

56R.71.16H7G

56R.71.18H7G

56R.71.20H7G

56R.71.06H7L

56R.71.08H7L

56R.71.10H7L

56R.71.12H7L

56R.71.14H7L

56R.71.15H7L

56R.71.16H7L

56R.71.18H7L

56R.71.20H7L

56R.37 – Coating DBG-N

56R.37.06H7G

56R.37.08H7G

56R.37.10H7G

56R.37.12H7G

56R.37.14H7G

56R.37.15H7G

56R.37.16H7G

56R.37.18H7G

56R.37.20H7G

56R.93 – Cutting material DST

56R.93.06H7G

56R.93.08H7G

56R.93.10H7G

56R.93.12H7G

56R.93.14H7G

56R.93.15H7G

56R.93.16H7G

56R.93.18H7G

56R.93.20H7G

56R.93.06H7L

56R.93.08H7L

56R.93.10H7L

56R.93.12H7L

56R.93.14H7L

56R.93.15H7L

56R.93.16H7L

56R.93.18H7L

56R.93.20H7L

Maximum individuality – off the shelf. Only with DIHART.

Where can you get something like that?!

Modular, semi-standard and finish-ground reamers, even for fitting onto an H7. Combined with your performance parameters for cutting geometry, cutting tool material and coating. Everything from stock. Everything just in time.

Everything to suit your rhythm, and with quick delivery times. Guaranteed!



DIHART's own homepage www.dihart.de

With videos – Have a look and get inspired.

DIHART online shop

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AMB Stuttgart 2010

The most important trade fair for us in 2010. At AMB, we are going to let it really rock. Our customers and competitors are going to experience DIHART and the KOMET GROUP in action – that's all we're saying for now!



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