



DIE LEICHTE, SCHNELLE & KOSTENGÜNSTIGE
LÖSUNG, WENN DIE FÜNFTE ACHSE FEHLT.
FÜR BOHR-, GEWINDE- UND FRÄSBEARBEITUNGEN

ERHÄLTlich IN:

SK40, SK50
BT30, BT40, BT50
HSK63
CT40

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ANGLE HEAD HALF 90°-TYPE

Code	ØD Drill ØD Tap	L	L1	kg
BT40 -HFA20-135	5,8~20 M3~M16	135	77	4,4
BT40 -HFT12-135		195	137	5,6
BT40 -HFA20-195		150	77	7,1
BT40 -HFT12-195			210	137
BT50 -HFA20-150		270	197	9,4
BT50 -HFT12-150			198	137
BT50 -HFA20-210		258	197	6,5
BT50 -HFT12-210			150	77
BT50 -HFA20-270		210	137	5,8
BT50 -HFT12-270			150	77
HSK63 A -HFA20-195	5,8~20 M3~M16	198	137	5,4
HSK63 A -HFT12-195		258	197	6,5
HSK63 A -HFA20-258	150	77	4,7	
HSK63 A -HFT12-258		210	137	5,8
SK40 -HFA20-150	5,8~20 M3~M16	150	77	4,7
SK40 -HFT12-150		210	137	5,8
SK40 -HFA20-210	150	77	6,6	
SK40 -HFT12-210		210	137	7,8
SK50 -HFA20-150	270	197	8,9	
SK50 -HFT12-150		150	77	4,7
SK50 -HFA20-210	210	137	5,8	
SK50 -HFT12-210		150	77	4,7
SK50 -HFA20-270	270	197	8,9	
SK50 -HFT12-270		150	77	4,7
CT40 -HFA20-150	5,8~20 M3~M16	150	77	4,7
CT40 -HFT12-150		210	137	5,8
CT40 -HFA20-210	150	77	4,7	
CT40 -HFT12-210		210	137	5,8
CT50 -HFA20-150	270	197	8,9	
CT50 -HFT12-150		150	77	4,7
CT50 -HFA20-210	210	137	5,8	
CT50 -HFT12-210		150	77	4,7
CT50 -HFA20-270	270	197	8,9	
CT50 -HFT12-270		150	77	4,7



CODE SYSTEM:

SK40	HFT12	210	---	w	65
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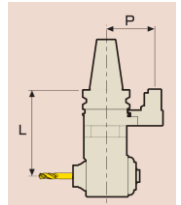
Schaft-Typ

Schaft-Typ	Bohren	Fräsen	Gewinde	M3~M16	M3~M12	TA6	TA12/TA6
HFA20	Bohren	Fräsen	Gewinde	M3~M16	M3~M12	TA6	TA12/TA6
HUA20							
HFT12							
HUT6							

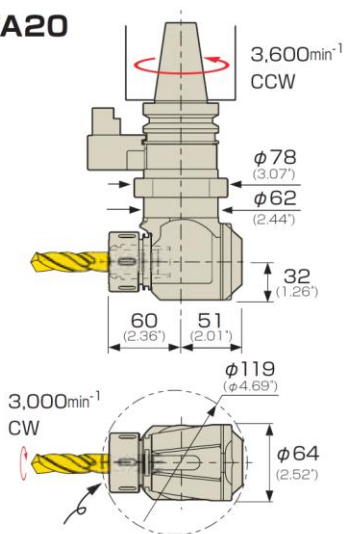
Positioning pin type

S	Straight pin
W	Expansion pin
T	Taper pin

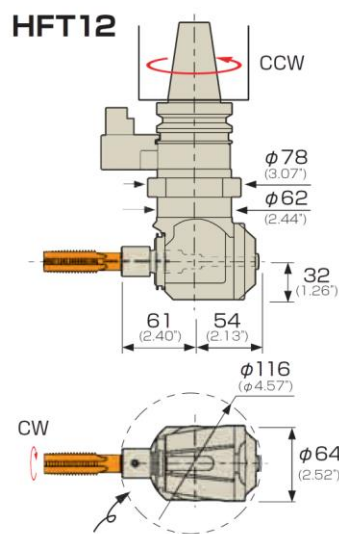
P-Maß



HFA20



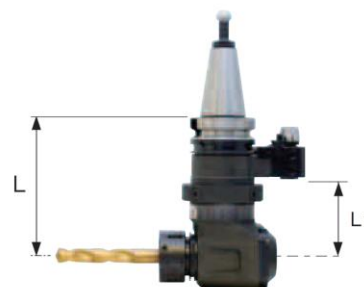
HFT12



SPRING COLLET (For HFA20)



TAP SLEEVE (For HFT12)



Rotating ratio

Machine : Angle
spindle : shaft
1 : 0.83

Rotating direction

Machine : Angle
spindle : shaft
CCW : CW

Angle-Head-Half

Für Bohr-, Gewinde- und Fräsbearbeitungen



ANGLE HEAD HALF FREE SETTING- TYPE

Code	∅D Drill ∅D Tap	L	L1	kg
BT40 -HUA20-135	5,8~20	135	77	4,8
BT40 -HUT6-135	M3~M12	150	77	7,5
BT50 -HUA20-150				
BT50 -HUT6-150				
SK40 -HUA20-150	5,8~20	150	77	5,0
SK40 -HUT6-150	M3~M12	150	77	7,0
SK50 -HUA20-150				
SK50 -HUT6-150				
CT40 -HUA20-150	5,8~20	150	77	5,0
CT40 -HUT6-150	M3~M12	150	77	7,0
CT50 -HUA20-150				
CT50 -HUT6-150				

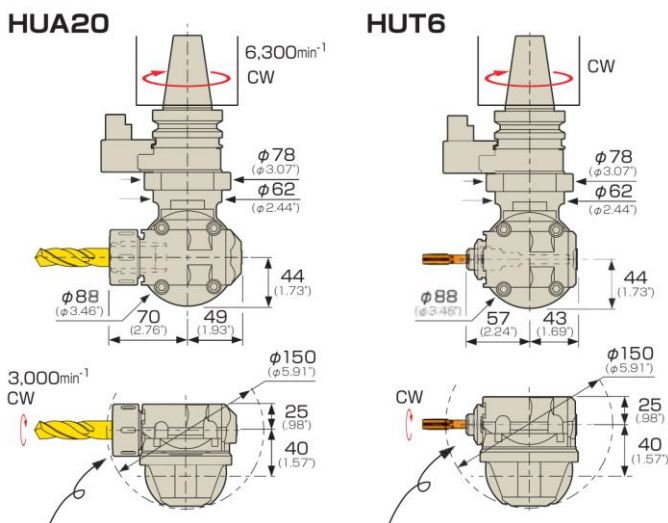


ANGLE HEAD HALF

Ein optimales Design wird verwendet, um die Steifigkeit und Präzision auf ein notwendiges Niveau für Bohr- und Gewindebohranwendungen anzuheben.

- **Wenig Gewicht**
- **Erschwinglicher Preis**
- **Schnelle Verfügbarkeit**

Die Erhöhung einer zusätzlichen Achse bei niedrigen Kosten.



SPRING COLLET (For HFA20)

C20-φD



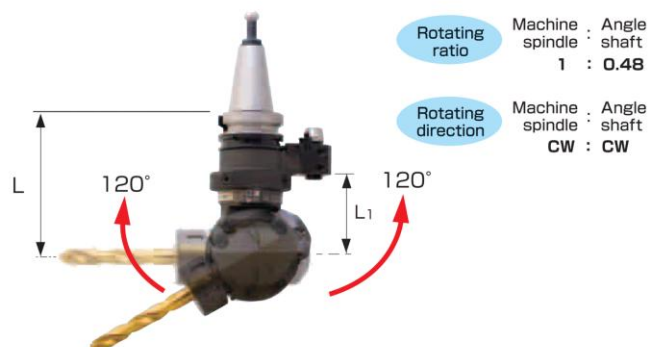
TAP SLEEVE (For HFT12)

For JIS



TA6-M 3
-M 4
-M 5
-M 6
-M 8
-M 10
-M 12

*Tap sleeves for DIN and ANSI are available upon request.



ANGLE HEAD HALF FÜR BT30

Noch kompakter!

Noch leichter: 1,8kg!

ATC für alle kleinen Maschinenzentren mit BT30 Spindel möglich

Stahlkörper!

Hohe Steifigkeit trotz des leichten Eigengewichtes.

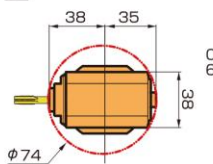
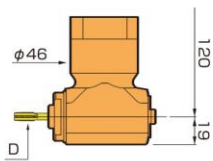


90° type

HFT4L

M2~M12

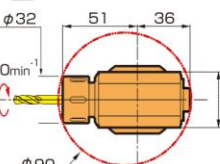
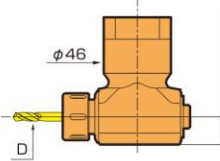
For tapping



HFA10

φ2.4~φ10

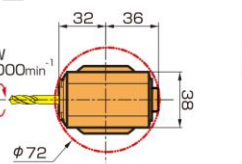
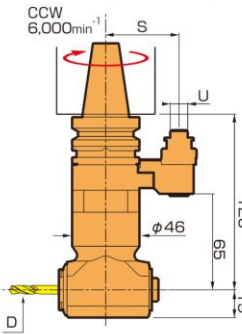
For drilling·endmilling



HFD7L

φ1~φ7

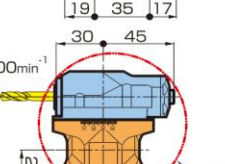
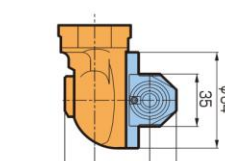
For drilling·endmilling



HUD7

φ1~φ7

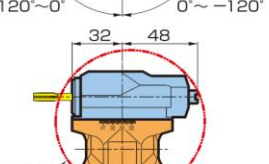
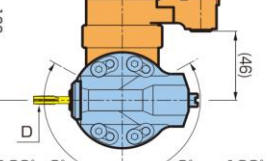
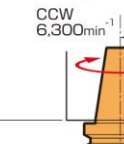
For drilling·endmilling



HUT4

M2~M8

For tapping



Free setting for cutter direction

ANGLE HEAD HALF 90°-TYPE

Code	∅D Drill ∅D Tap	L	kg
BT30 -HFD7L-120	1~7	120	1,8
BT30 -HFA10-120	2,4~10	120	1,8
BT30 -HFT4L-120	M3~M16	120	1,8

ANGLE HEAD HALF FREE SETTING-TYPE

Code	∅D Drill ∅D Tap	L	kg
BT30 -HUD7-102	1~7	102	1,8
BT30 -HUT6-102	M2~M8	102	1,8

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