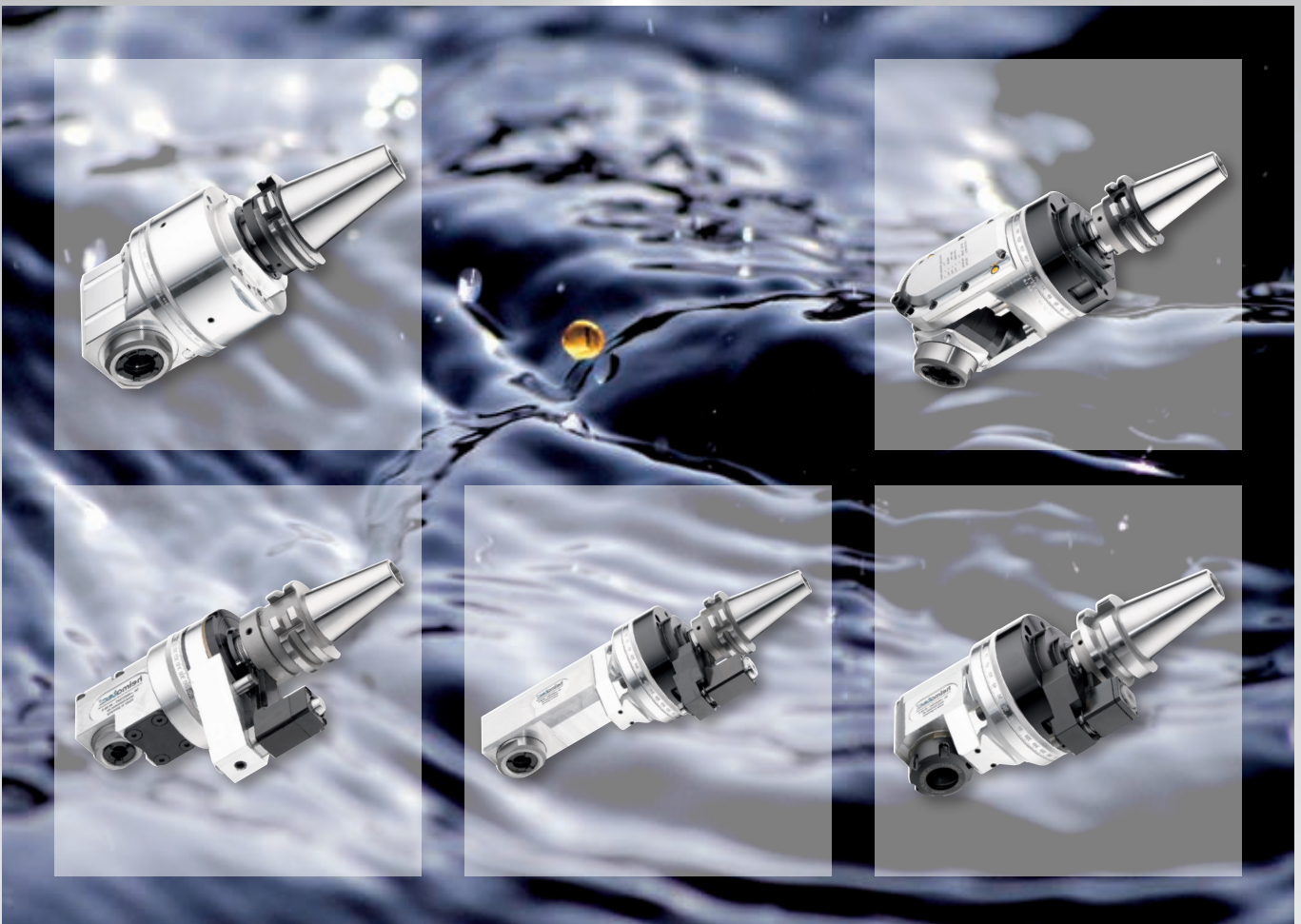


# Machining Center Angle Heads

**standard  
size 4**





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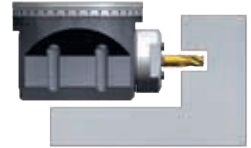
► Angle Heads line standard

Adaptable for various application



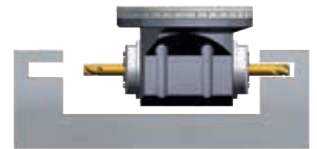
► Angle Heads ; **standard**  
360° turnable

For machining tasks without geometric constraints.



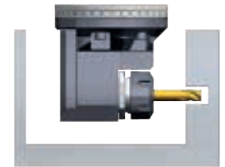
► Angle Heads ; **double spindle**  
360° turnable

For machining tasks without geometric constraints and to manufacture in the opposite direction.



► Angle Heads ; **standard ; offset**  
360° turnable

For machining tasks with geometric constraints. Offset output to maximize the usable tool length.



► Angle Heads ; **offset ; slim**  
360° turnable

For special machining tasks with strong geometric constraints which need special plunging. Offset output to maximize the usable tool length.

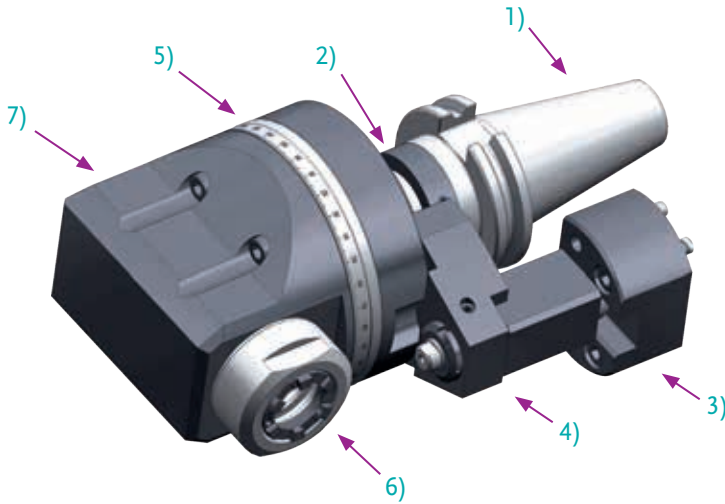


► Angle Heads ; **± 90° adjustable**  
360° turnable

For machining tasks which enable the changing and angular position of the tool.

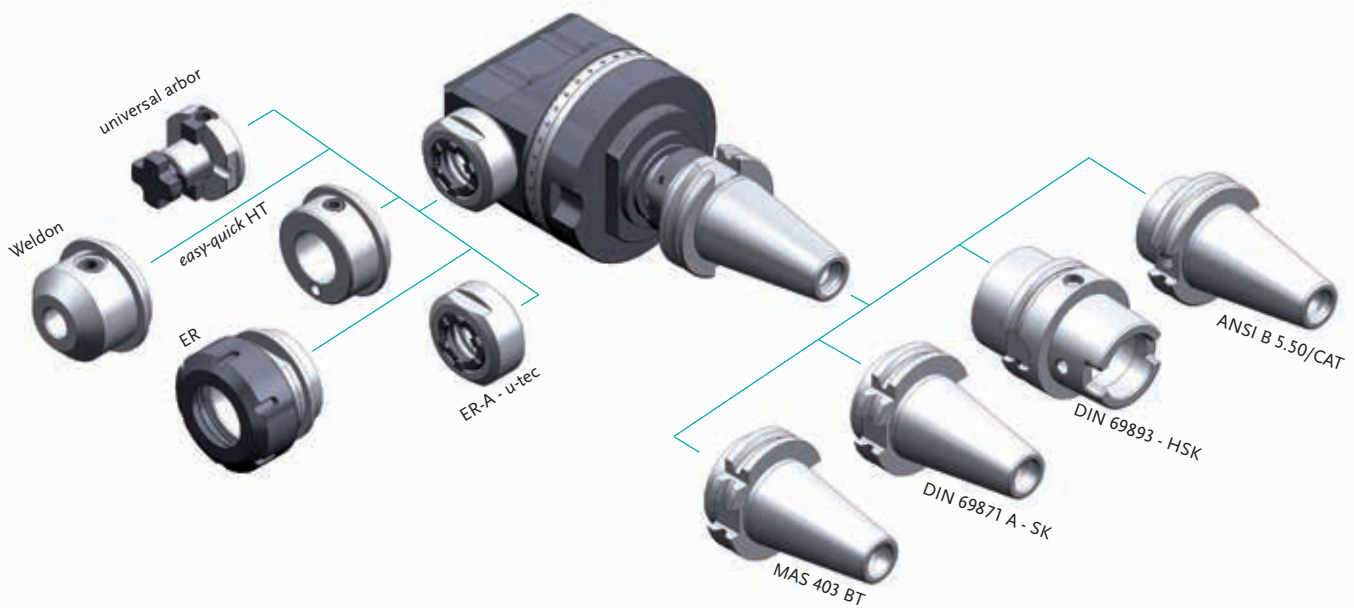


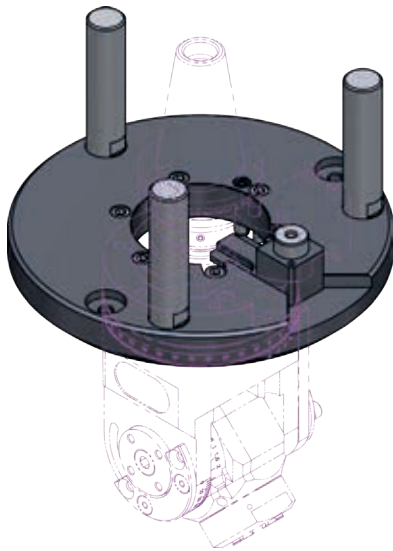
► features and overview



- 1) **Machine adaption**  
DIN 69871 A - SK  
DIN 69893 - HSK  
MAS 403 BT  
ANSI B 5.50/ CAT
- 2) **Arrestor ring**  
Locks the tool drive taper.
- 3) **Stop block**  
For locking and preventing the rotation of the angle head.  
Optional machine specification according customer's instruction.
- 4) **Torque arm**  
For locking the housing of the angle head on the machining spindle to prevent the rotation of the angle head.
- 5) **Scale ring**  
Controllable and continuous rotation of the tool ensures the ideal working angle.
- 6) **Tooladaption**  
The standard tooladaptions are equipped with collet chucks.
- 7) **Housing**  
45/90° angle possibilities, depending on the required use

► combinations



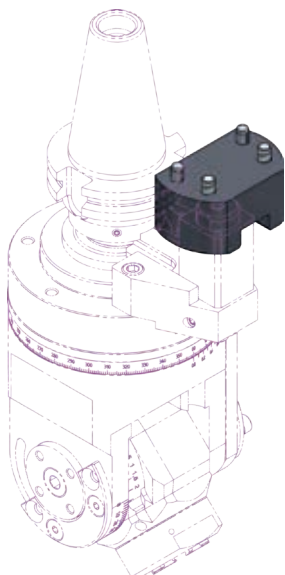
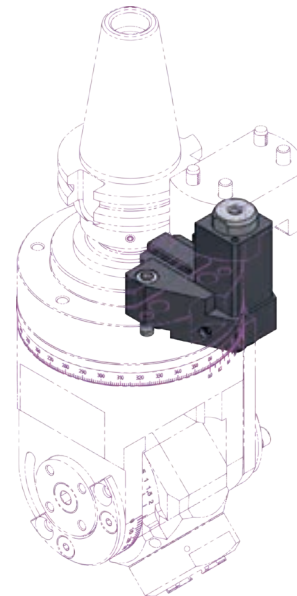


► **Support flange with integrated torque arm**

For additional support, in order to stabilize and to reduce the vibration of the entire system. The additional support will be produced specifically according to customer's instruction and the machine specifications.

► **Torque arm**

Locates the angle head at the machining spindle and secures/prevent the rotation of the angle head. Optional machine specification according customer's instruction.

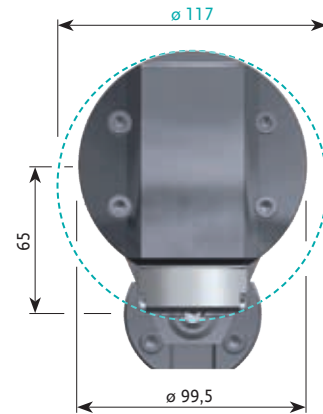
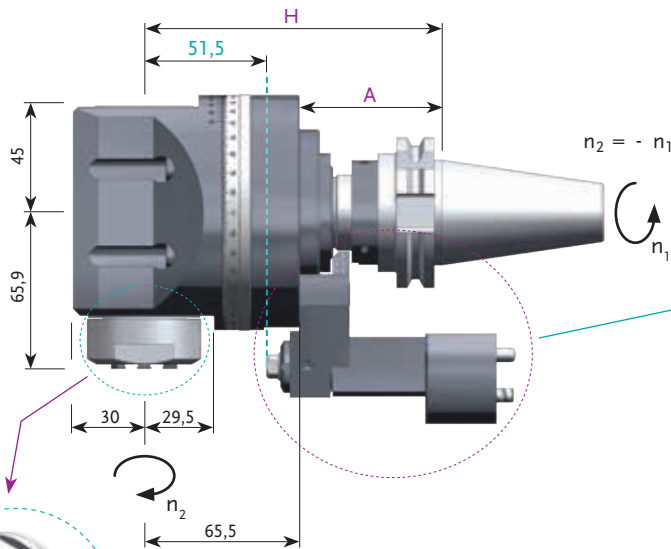
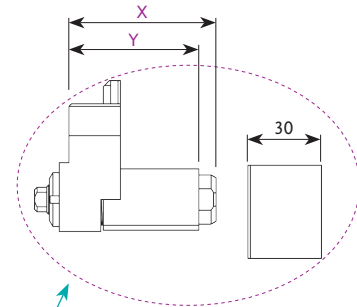
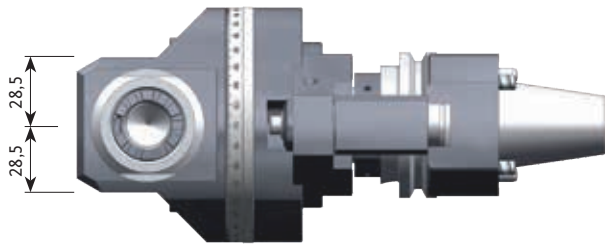


► **Stop block**

For locking and preventing the rotation of the angle head. Optional machine specification according customer's instruction.

### ► Angle Heads

360° turnable



size 4 standard



tool adaption : ER 25 A - u-tec (ø0,5-ø16,0)  
 rotation  $n_{2 \max}$  [ 1/min ] : 8000  
 torque  $M_{2 \max}$  [ Nm ] : 25

coolant : no  
 gear ratio [ i ] : 1:1  
 rotating direction : opposite

ref.-no.	machine adaption	center distance H [mm]	gauge line of housing A [mm]	torque arm		stop-block	
				Dim. X [mm]	Dim. Y [mm]		
7 030 45 009		125,5	60		60	53	
7 030 45 021				✓	60	53	✗
7 030 45 008				✗	-	-	✗
7 030 55 002		132,5	67		60	53	
7 030 55 005				✓	60	53	✗
7 030 55 001				✗	-	-	✗
7 030 45 011		125,5	60		60	53	
7 030 45 022				✓	60	53	✗
7 030 45 010				✗	-	-	✗
7 030 45 007		125,5	60		60	53	
7 030 45 020				✓	60	53	✗
7 030 45 006				✗	-	-	✗

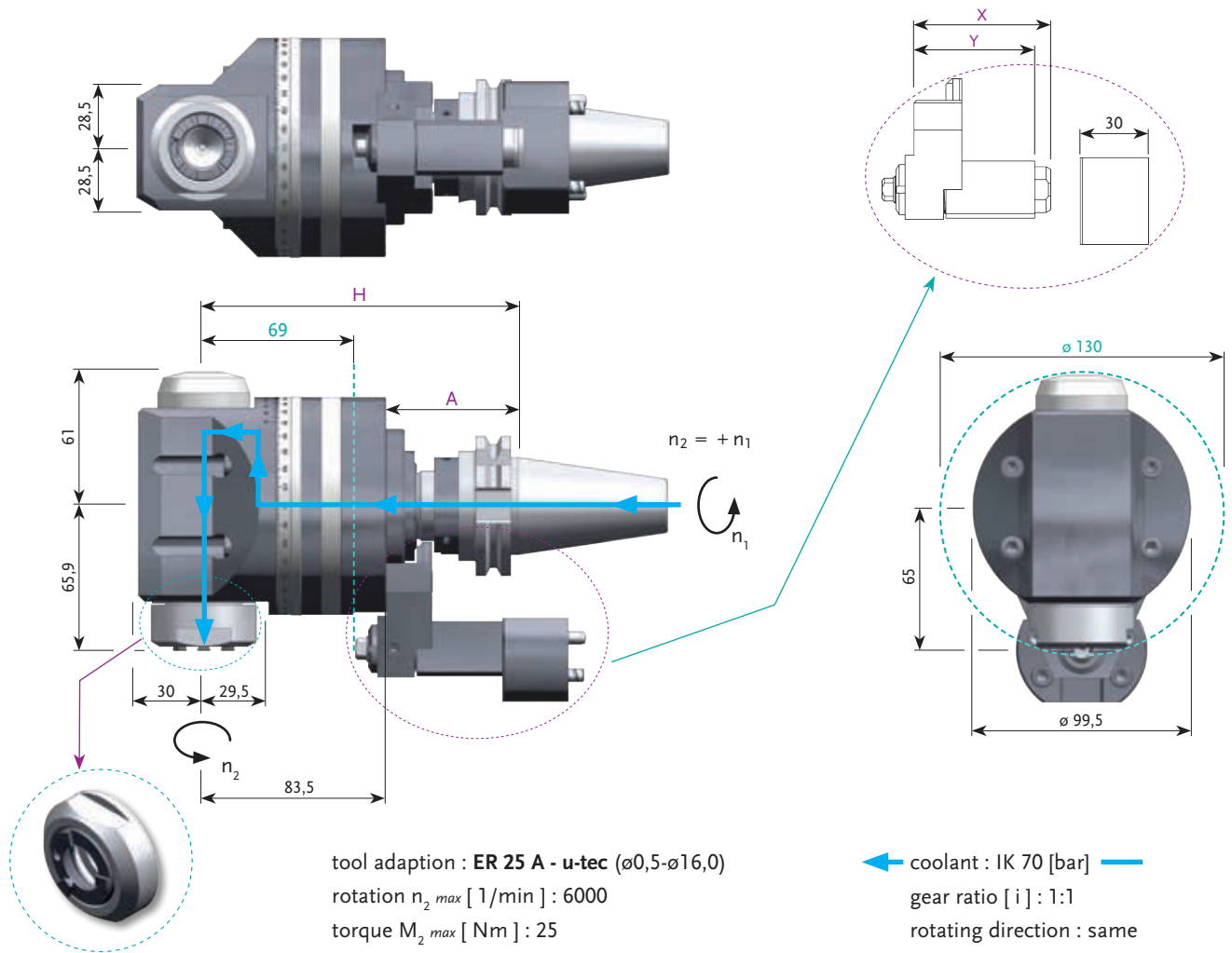
note: support optional!

✗ = not included in delivery  
 ✓ = included in delivery  
 Dim. X = end face fixing bolt / gauge line of the housing  
 Dim. Y = locking device / gauge line of the housing

► further versions on request

► Angle Heads

360° turnable



ref.-no.	machine adaption	center distance H [mm]	gauge line of housing A [mm]	torque arm		stop-block	
				Dim. X [mm]	Dim. Y [mm]		
7 030 45 015		143,5	60		60	53	
7 030 45 024				✓	60	53	✗
7 030 45 014				✗	-	-	✗
7 030 55 004		150,5	67		60	53	
7 030 55 006				✓	60	53	✗
7 030 55 003				✗	-	-	✗
7 030 45 017		143,5	60		60	53	
7 030 45 025				✓	60	53	✗
7 030 45 016				✗	-	-	✗
7 030 45 013		143,5	60		60	53	
7 030 45 023				✓	60	53	✗
7 030 45 012				✗	-	-	✗

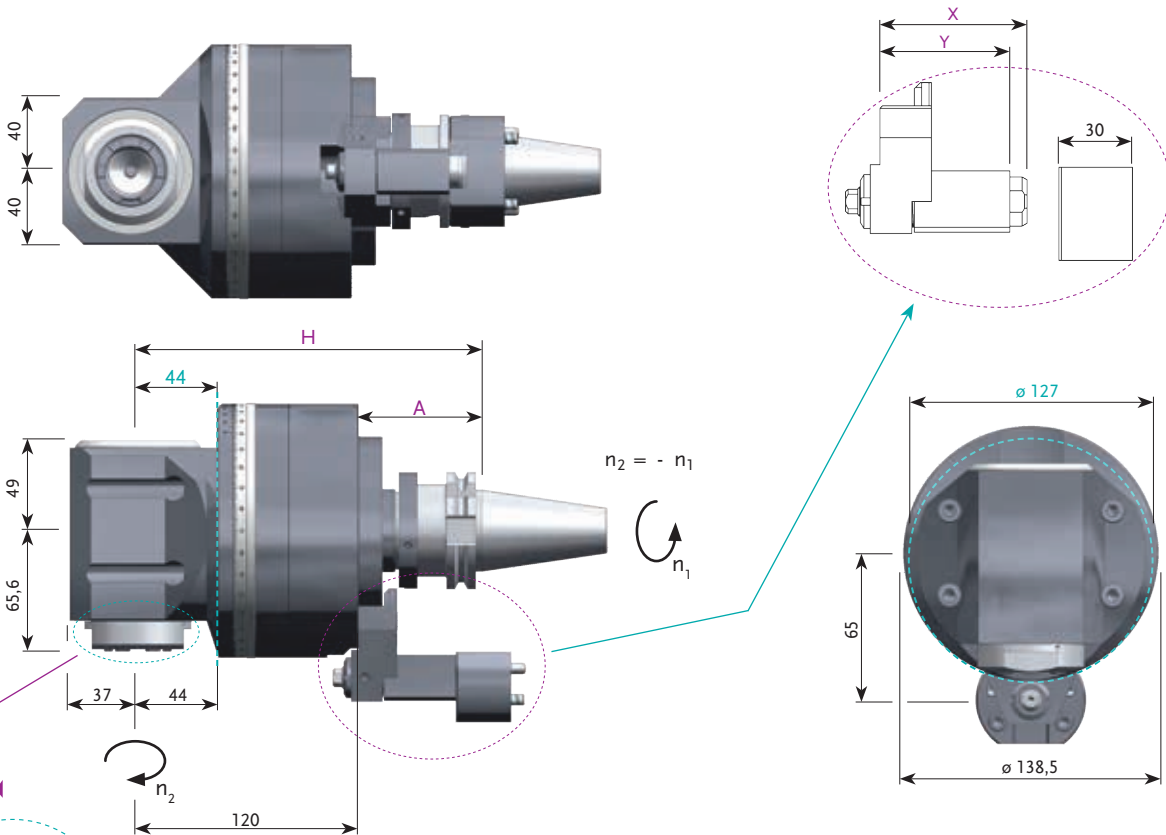
note: support optional!

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 Dim. X = end face fixing bolt / gauge line of the housing  
 Dim. Y = locking device / gauge line of the housing

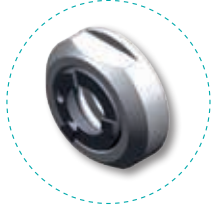
► further versions on request

### ► Angle Heads

360° turnable








size 4 large



tool adaption : **ER 32 A - u-tec** (ø1,0-ø20,0)  
 rotation  $n_{2 \max}$  [ 1/min ] : 8000  
 torque  $M_{2 \max}$  [ Nm ] : 60

coolant : no  
 gear ratio [ i ] : 1:1  
 rotating direction : opposite

ref.-no.	machine adaption	center distance <b>H</b> [mm]	gauge line of housing <b>A</b> [mm]	torque arm		stop-block	
					Dim. <b>X</b> [mm]		Dim. <b>Y</b> [mm]
7 030 46 019	 DIN 69871 A - SK 40	187	67	✓	67	60	✓
7 030 46 027				✓	67	60	✗
7 030 46 018				✗	-	-	✗
7 030 56 006	 DIN 69893 - HSK 63 A	187	67	✓	67	60	✓
7 030 56 009				✓	67	60	✗
7 030 56 005				✗	-	-	✗
7 030 46 015	 MAS 403 BT 40	187	67	✓	67	60	✓
7 030 46 028				✓	67	60	✗
7 030 46 014				✗	-	-	✗
7 030 46 017	 ANSI B 5.50/ CAT 40 inch	187	67	✓	67	60	✓
7 030 46 026				✓	67	60	✗
7 030 46 016				✗	-	-	✗

note: support optional!

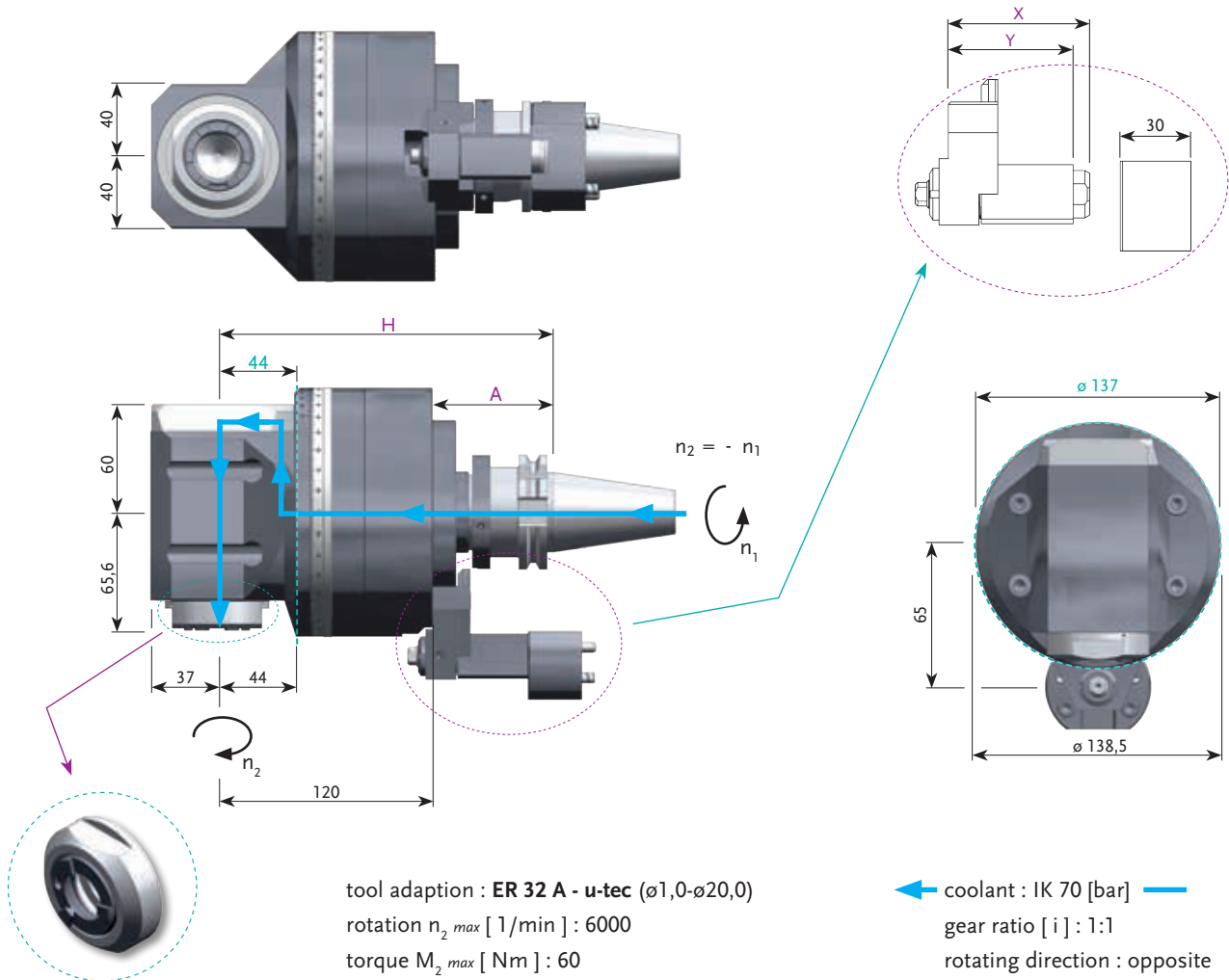
✗ = not included in delivery  
 ✓ = included in delivery  
 Dim. X = end face fixing bolt / gauge line of the housing  
 Dim. Y = locking device / gauge line of the housing













► further versions on request



► Angle Heads

360° turnable



ref.-no.	machine adaption	center distance H [mm]	gauge line of housing A [mm]	torque arm		stop-block	
				Dim. X [mm]	Dim. Y [mm]		
7 030 46 023	 DIN 69871 A - SK 40	187	67		67	60	
7 030 46 030				✓	67	60	✗
7 030 46 022				✗	-	-	✗
7 030 56 008	 DIN 69893 - HSK 63 A	187	67		67	60	
7 030 56 010				✓	67	60	✗
7 030 56 007				✗	-	-	✗
7 030 46 025	 MAS 403 BT 40	187	67		67	60	
7 030 46 031				✓	67	60	✗
7 030 46 024				✗	-	-	✗
7 030 46 021	 ANSI B 5.50/ CAT 40 inch	187	67		67	60	
7 030 46 029				✓	67	60	✗
7 030 46 020				✗	-	-	✗

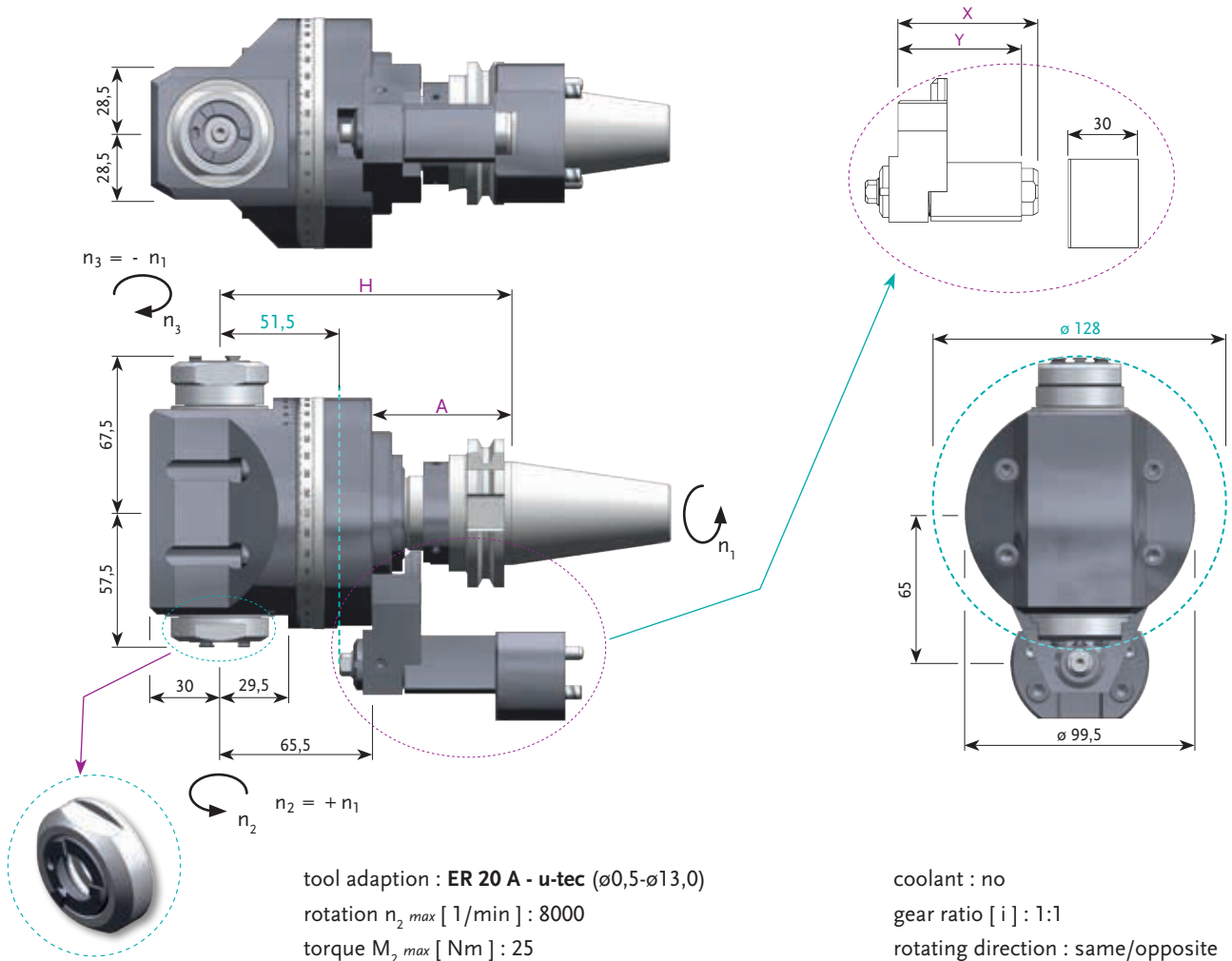
note: support optional!

✗ = not included in delivery  
✓ = included in delivery  
Dim. X = end face fixing bolt / gauge line of the housing  
Dim. Y = locking device / gauge line of the housing

► further versions on request

### ► Angle Heads

360° turnable



tool adaption : **ER 20 A - u-tec** (ø0,5-ø13,0)  
 rotation  $n_{2 \max}$  [ 1/min ] : 8000  
 torque  $M_{2 \max}$  [ Nm ] : 25

coolant : no  
 gear ratio [ i ] : 1:1  
 rotating direction : same/opposite

ref.-no.	machine adaption	center distance H [mm]	gauge line of housing A [mm]	torque arm		stop-block	
				Dim. X [mm]	Dim. Y [mm]		
7 039 44 056		125,5	60		60	53	
7 039 44 058				60	53		
7 039 44 055				-	-		
7 039 54 015		132,5	67		60	53	
7 039 54 017				60	53		
7 039 54 016				-	-		
7 039 44 052		125,5	60		60	53	
7 039 44 059				60	53		
7 039 44 050				-	-		
7 039 44 054		125,5	60		60	53	
7 039 44 057				60	53		
7 039 44 053				-	-		

note: support optional!

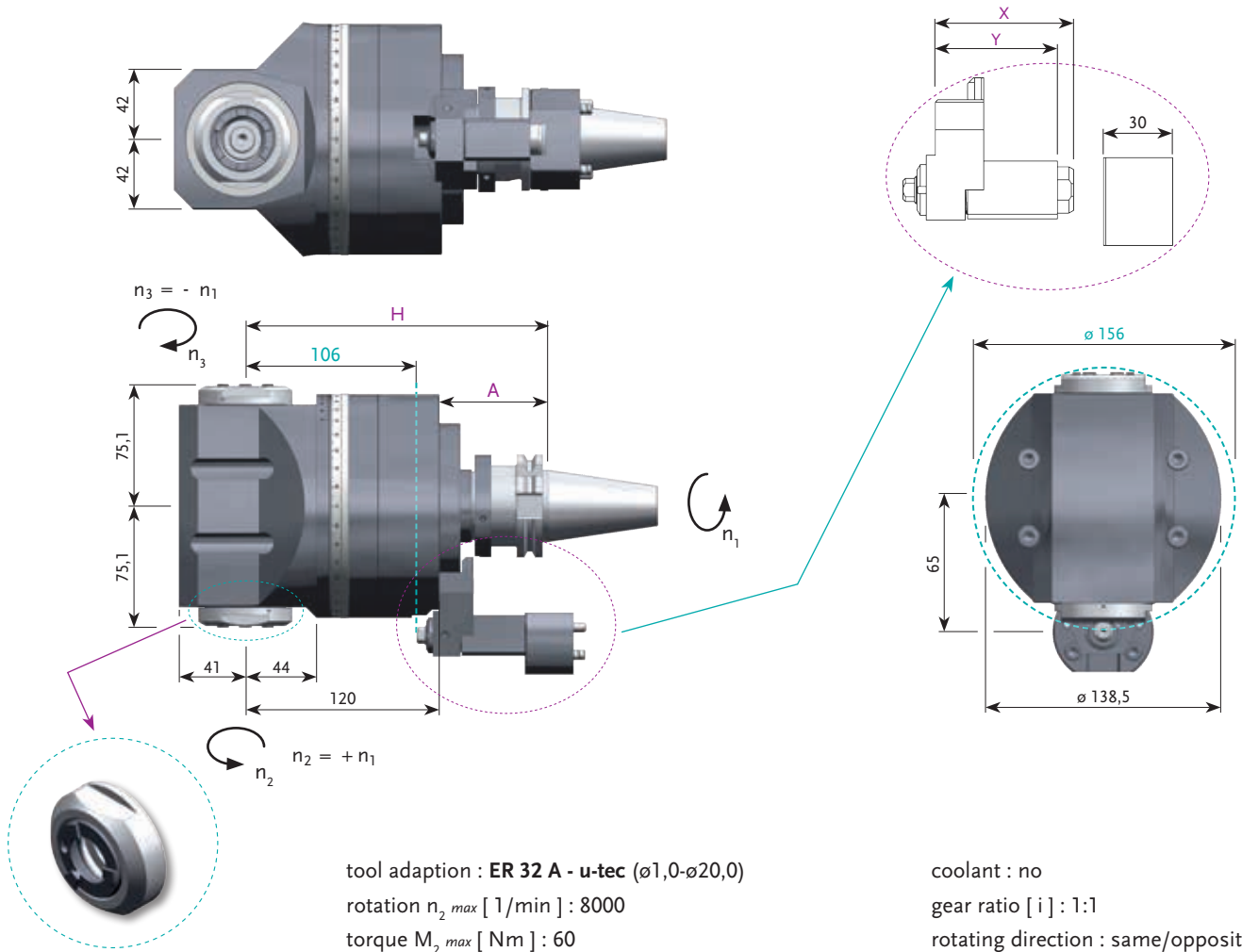
\* = not included in delivery  
 ✓ = included in delivery  
 Dim. X = end face fixing bolt / gauge line of the housing  
 Dim. Y = locking device / gauge line of the housing

► further versions on request

# size 4 large double spindle













## ► Angle Heads

360° turnable



tool adaption : ER 32 A - u-tec (ø1,0-ø20,0)  
rotation  $n_{2 \max}$  [ 1/min ] : 8000  
torque  $M_{2 \max}$  [ Nm ] : 60

coolant : no  
gear ratio [ i ] : 1:1  
rotating direction : same/opposite

ref.-no.	machine adaption	center distance H [mm]	gauge line of housing A [mm]	torque arm		stop-block	
				Dim. X [mm]	Dim. Y [mm]		
7 039 46 055	 DIN 69871 A - SK 40	187	67		67	60	
7 039 46 058				✓	67	60	✗
7 039 46 054				✗	-	-	✗
7 039 56 014	 DIN 69893 - HSK 63 A	187	67		67	60	
7 039 56 017				✓	67	60	✗
7 039 56 013				✗	-	-	✗
7 039 46 051	 MAS 403 BT 40	187	67		67	60	
7 039 46 059				✓	67	60	✗
7 039 46 050				✗	-	-	✗
7 039 46 053	 ANSI B 5.50/ CAT 40 inch	187	67		67	60	
7 039 46 057				✓	67	60	✗
7 039 46 052				✗	-	-	✗

note: support optional!

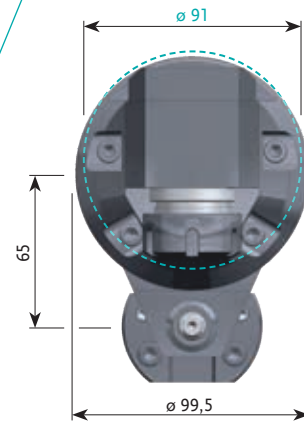
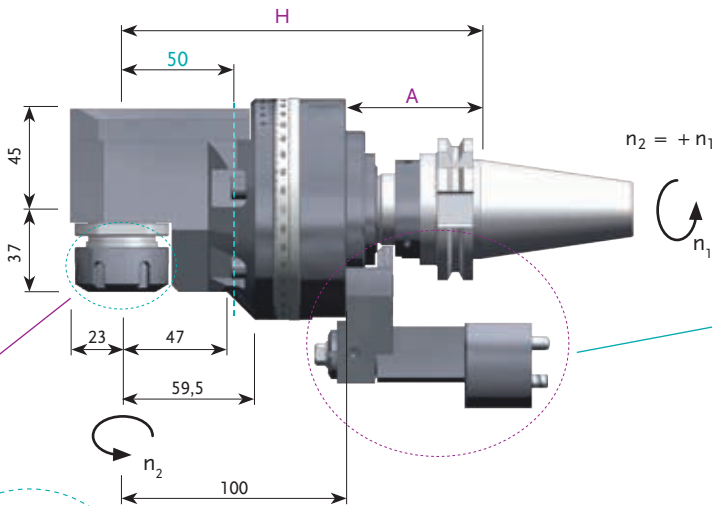
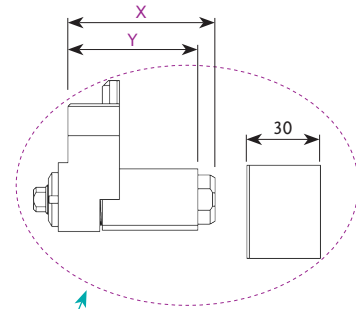
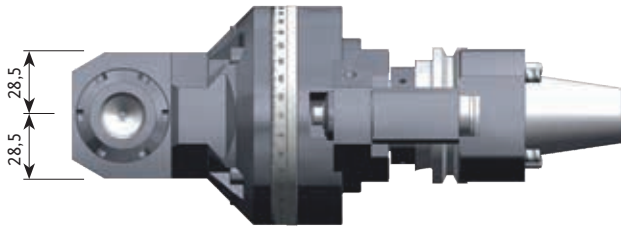
✗ = not included in delivery  
✓ = included in delivery

Dim. X = end face fixing bolt / gauge line of the housing  
Dim. Y = locking device / gauge line of the housing

► further versions on request

### ► Angle Heads

360° turnable



size 4 standard offset



tool adaption : ER 25 (ø0,5-ø16,0)  
 rotation  $n_{2 \max}$  [ 1/min ] : 8000  
 torque  $M_{2 \max}$  [ Nm ] : 25

coolant : no  
 gear ratio [ i ] : 1:1  
 rotating direction : same

ref.-no.	machine adaption	center distance H [mm]	gauge line of housing A [mm]	torque arm		stop-block	
				Dim. X [mm]	Dim. Y [mm]		
7 033 45 013		160	60		60	53	
7 033 45 023				✓	60	53	✗
7 033 45 012				✗	-	-	✗
7 033 55 003		167	67		60	53	
7 033 55 004				✓	60	53	✗
7 033 55 002				✗	-	-	✗
7 033 45 015		160	60		60	53	
7 033 45 024				✓	60	53	✗
7 033 45 014				✗	-	-	✗
7 033 45 011		160	60		60	53	
7 033 45 022				✓	60	53	✗
7 033 45 010				✗	-	-	✗

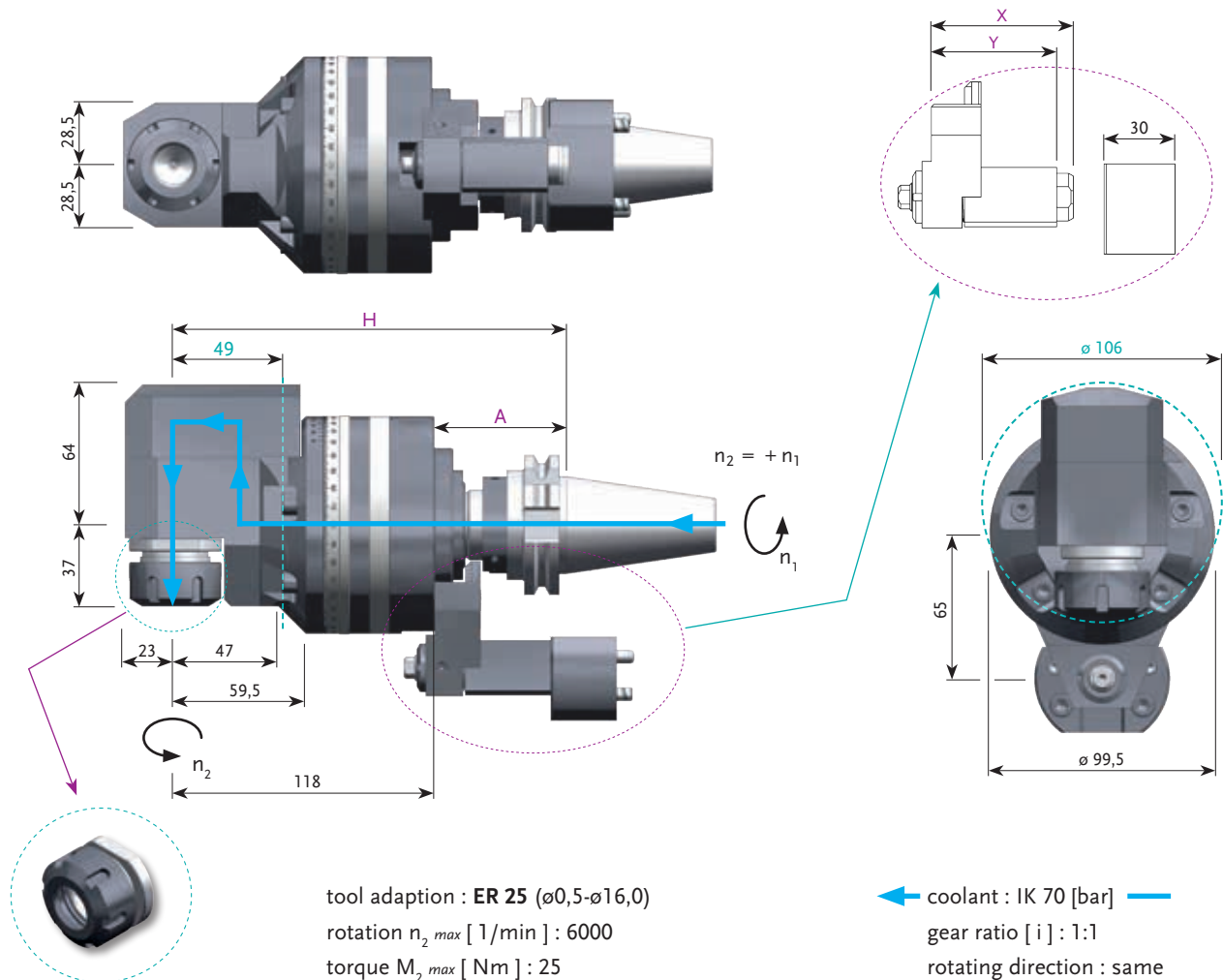
note: support optional!

✗ = not included in delivery  
 ✓ = included in delivery  
 Dim. X = end face fixing bolt / gauge line of the housing  
 Dim. Y = locking device / gauge line of the housing

► further versions on request

## ► Angle Heads

360° turnable



ref.-no.	machine adaption	center distance H [mm]	gauge line of housing A [mm]	torque arm		stop-block	
				Dim. X [mm]	Dim. Y [mm]		
7 033 45 009		178	60		60	53	
7 033 45 026				✓	60	53	✗
7 033 45 008				✗	-	-	✗
7 033 55 001		185	67		60	53	
7 033 55 005				✓	60	53	✗
7 033 55 000				✗	-	-	✗
7 033 45 007		178	60		60	53	
7 033 45 027				✓	60	53	✗
7 033 45 006				✗	-	-	✗
7 033 45 005		178	60		60	53	
7 033 45 025				✓	60	53	✗
7 033 45 004				✗	-	-	✗

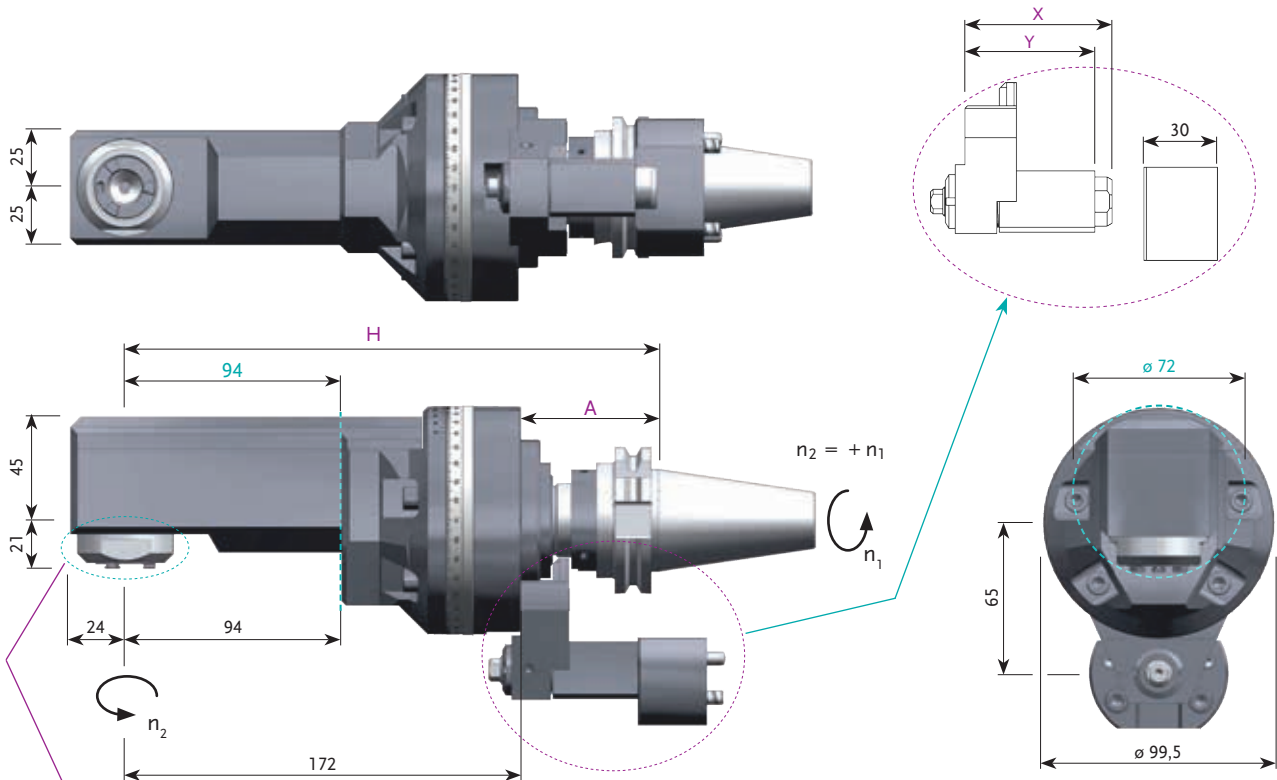
note: support optional!

✗ = not included in delivery  
 ✓ = included in delivery  
 Dim. X = end face fixing bolt / gauge line of the housing  
 Dim. Y = locking device / gauge line of the housing

► further versions on request






### ► Angle Heads

360° turnable; long



tool adaption : **ER 20 A - u-tec** (ø0,5-ø13,0)  
 rotation  $n_{2 \max}$  [ 1/min ] : 8000  
 torque  $M_{2 \max}$  [ Nm ] : 25

coolant : no  
 gear ratio [ i ] : 1:1  
 rotating direction : same

ref.-no.	machine adaption	center distance <b>H</b> [mm]	gauge line of housing <b>A</b> [mm]	torque arm		stop-block
					Dim. X [mm] Dim. Y [mm]	
7 033 44 016	 DIN 69871 A - SK 40	232	60	✓	60 53	✓
7 033 44 020				✓	60 53	✗
7 033 44 015				✗	- -	✗
7 033 54 002	 DIN 69893 - HSK 63 A	239	67	✓	60 53	✓
7 033 54 003				✓	60 53	✗
7 033 54 001				✗	- -	✗
7 033 44 018	 MAS 403 BT 40	232	60	✓	60 53	✓
7 033 44 021				✓	60 53	✗
7 033 44 017				✗	- -	✗
7 033 44 014	 ANSI B 5.50/ CAT 40 inch	232	60	✓	60 53	✓
7 033 44 019				✓	60 53	✗
7 033 44 013				✗	- -	✗

note: support optional!

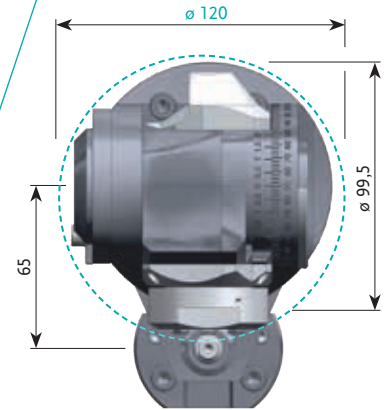
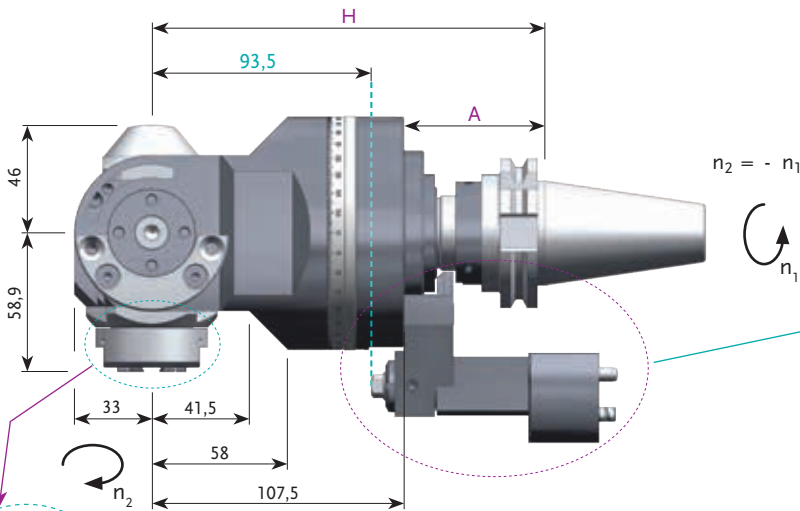
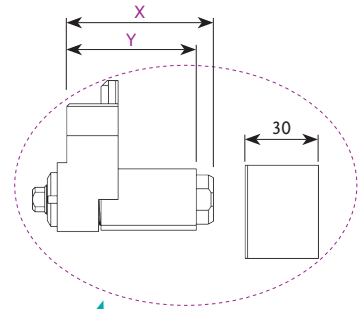
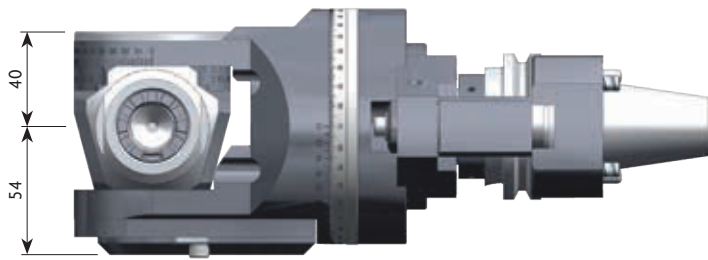
✗ = not included in delivery  
 ✓ = included in delivery  
 Dim. X = end face fixing bolt / gauge line of the housing  
 Dim. Y = locking device / gauge line of the housing

► further versions on request

size 4 offset slim













► Angle Heads ± 90° adjustable

360° turnable



tool adaption : ER 25 A - u-tec (ø0,5-ø16,0)  
rotation  $n_{2 \max}$  [ 1/min ] : 8000  
torque  $M_{2 \max}$  [ Nm ] : 25

coolant : no  
gear ratio [ i ] : 1:1  
rotating direction : opposite

ref.-no.	machine adaption	center distance H [mm]	gauge line of housing A [mm]	torque arm		stop-block	
				Dim. X [mm]	Dim. Y [mm]		
7 040 45 008		167,5	60		60	53	
7 040 45 022				✓	60	53	✗
7 040 45 007				✗	-	-	✗
7 040 55 000		174,5	67		60	53	
7 040 55 004				✓	60	53	✗
7 040 55 002				✗	-	-	✗
7 040 45 006		167,5	60		60	53	
7 040 45 023				✓	60	53	✗
7 040 45 005				✗	-	-	✗
7 040 45 016		167,5	60		60	53	
7 040 45 021				✓	60	53	✗
7 040 45 015				✗	-	-	✗

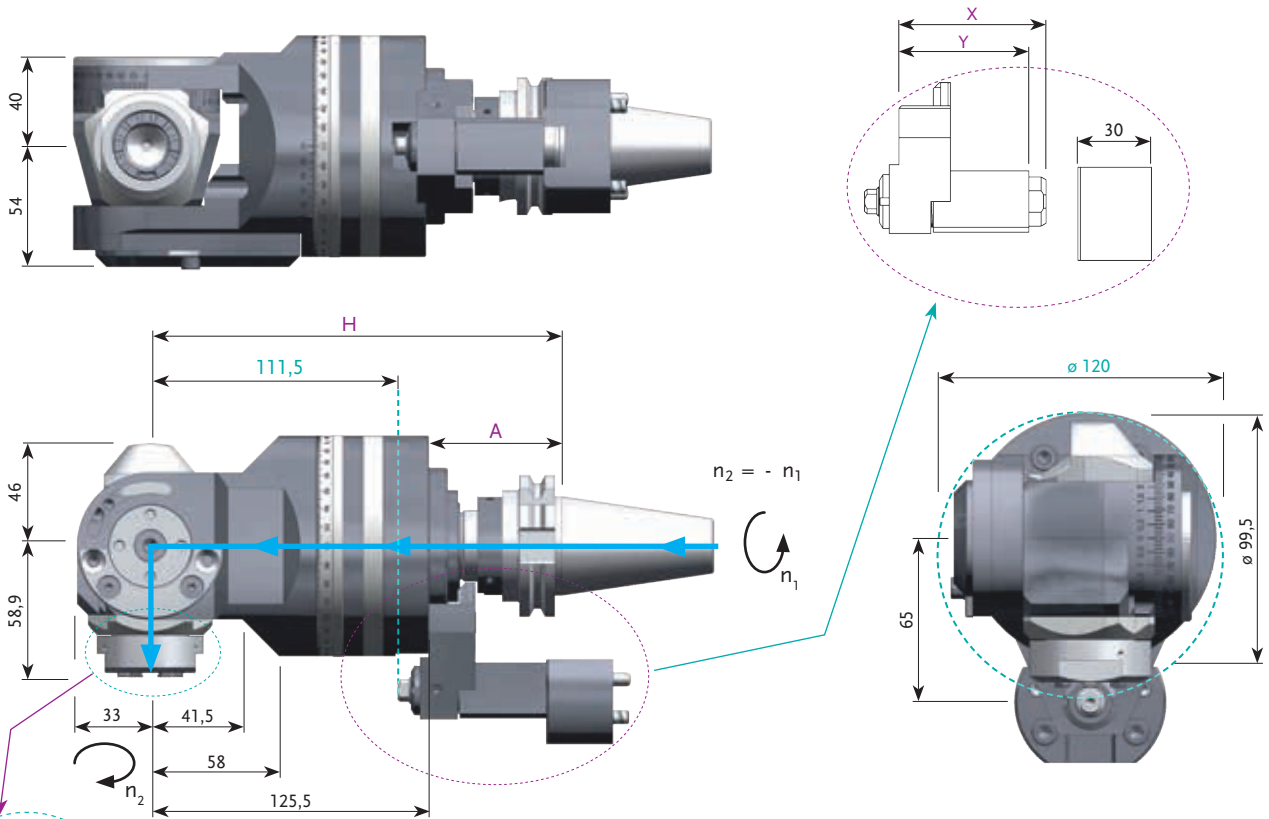
note: support optional!

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✓ = included in delivery  
Dim. X = end face fixing bolt / gauge line of the housing  
Dim. Y = locking device / gauge line of the housing

► further versions on request

► Angle Heads ± 90° adjustable

360° turnable



tool adaption : ER 25 A - u-tec (ø0,5-ø16,0)  
 rotation  $n_2 \text{ max}$  [ 1/min ] : 6000  
 torque  $M_2 \text{ max}$  [ Nm ] : 25

← coolant : IK 70 [bar] — gear ratio [ i ] : 1:1  
 rotating direction : opposite

ref.-no.	machine adaption	center distance H [mm]	gauge line of housing A [mm]	torque arm		stop-block	
				Dim. X [mm]	Dim. Y [mm]		
7 040 45 019		185,5	60		60	53	
7 040 45 025				✓	60	53	✗
7 040 45 009				✗	-	-	✗
7 040 55 001		192,5	67		60	53	
7 040 55 005				✓	60	53	✗
7 040 55 003				✗	-	-	✗
7 040 45 014		185,5	60		60	53	
7 040 45 026				✓	60	53	✗
7 040 45 020				✗	-	-	✗
7 040 45 018		185,5	60		60	53	
7 040 45 024				✓	60	53	✗
7 040 45 017				✗	-	-	✗

note: support optional!

✗ = not included in delivery  
 ✓ = included in delivery  
 Dim. X = end face fixing bolt / gauge line of the housing  
 Dim. Y = locking device / gauge line of the housing

► further versions on request



Lined area for notes, consisting of multiple horizontal dotted lines for writing.

7 040 45 007  
Angle Head  
± 90° adjustable  
ER 25 AX - u-tec



7 033 45 021  
Angle Head  
offset  
ER 25



7 037 86 000  
Disk Mill Head  
arbor 27



7 033 23 001  
Angle Head  
offset  
ER 11 A



7 039 64 000  
Angle Head  
double spindle  
arbor 16



7 030 66 010  
Angle Head  
ER 32 AX - u-tec



7 050 54 003  
Multi Spindle Drilling Head  
6 - spindle  
ER 16 M



7 030 41 064  
Angle Head  
RA - 100  
CH8



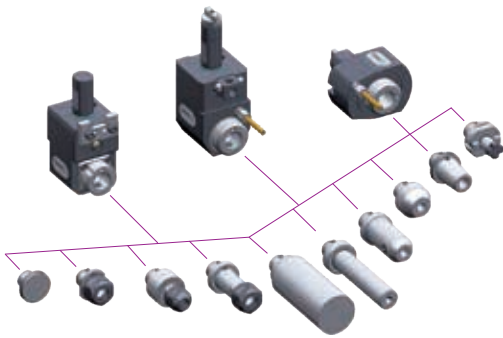
7 039 41 017  
Angle Head  
KC - 300  
CHC



7 030 41 061  
Angle Head  
MFC - 300 S  
K252



► **easy-quick HT fast change system**



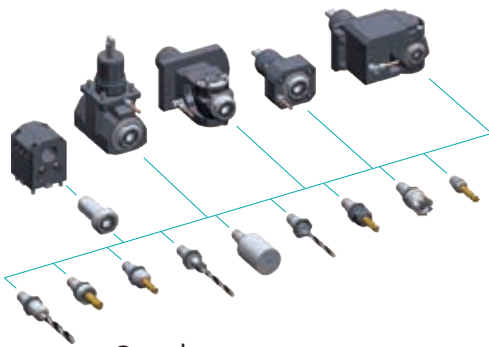
THE fast change system of heimatec  
for driven and static tools

► versions see catalogue



[www.heimatec.com](http://www.heimatec.com)  
products / easy-quick

► **u-tec<sup>®</sup> UT change system**



Our change system,  
that makes EVERYTHING possible

► versions see catalogue

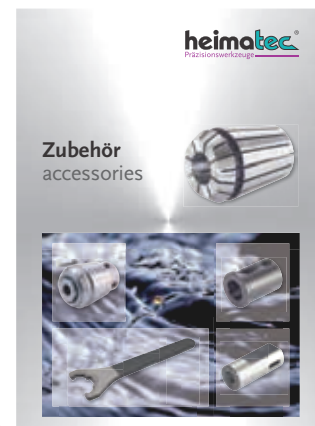


[www.heimatec.com](http://www.heimatec.com)  
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► **accessories**



► versions see catalogue



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products / accessories

# heimatec®

● heimatec® - overseas branches

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