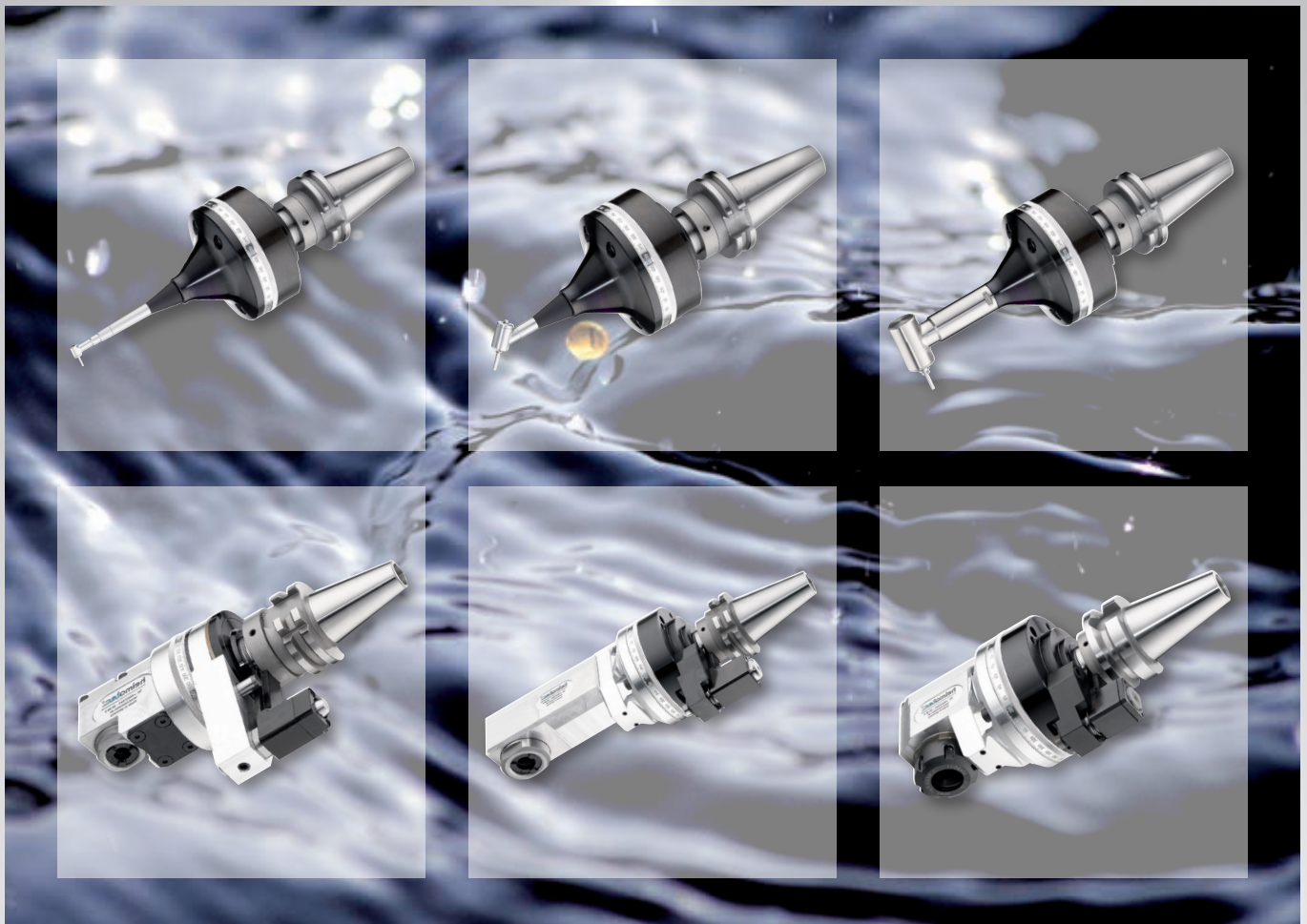


Machining Center
Angle Heads
standard and slim





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www.heimatec.com

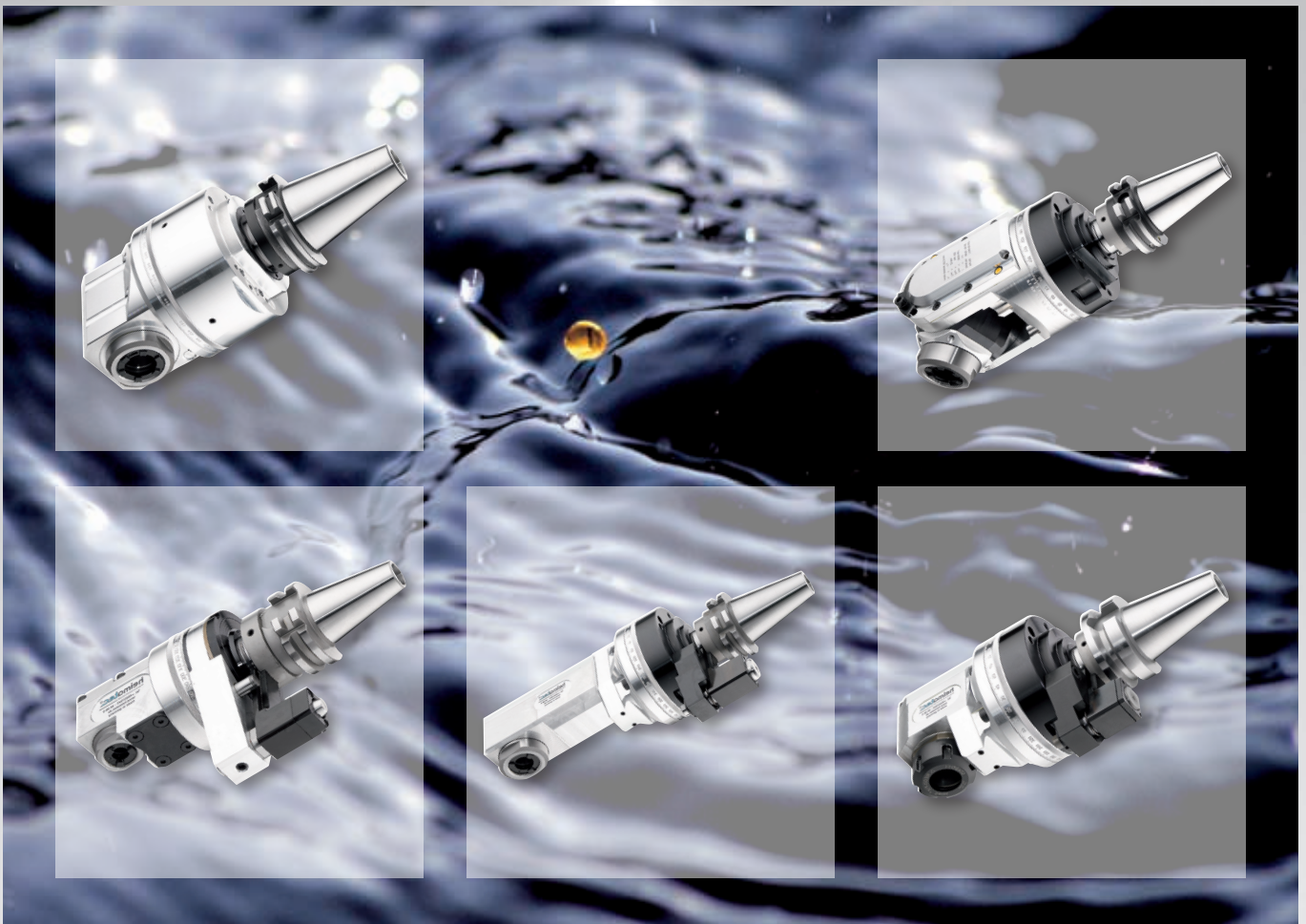
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Machining Center Angle Heads **standard**



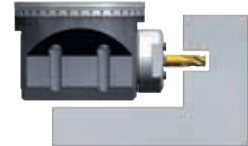
► **Angle Heads line standard**

Adaptable for various application



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

For machining tasks without geometric constraints.



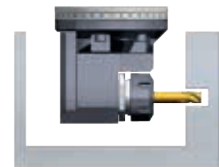
► Angle Heads ; **double spindle**
360° turnable

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.

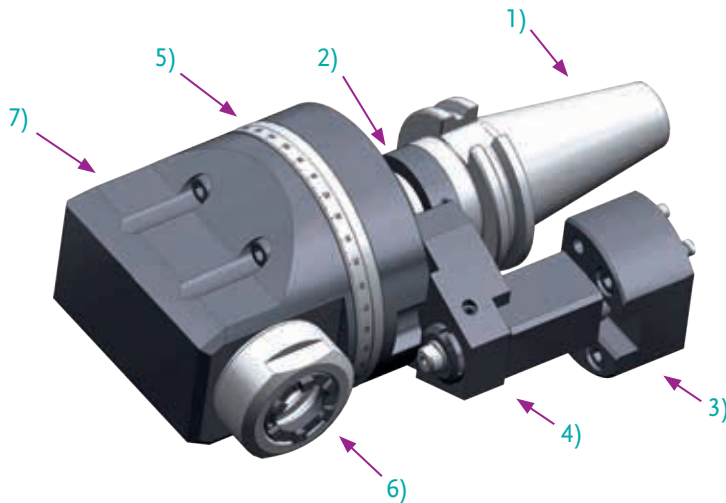


► Angle Heads ; **± 90° adjustable**
360° turnable

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

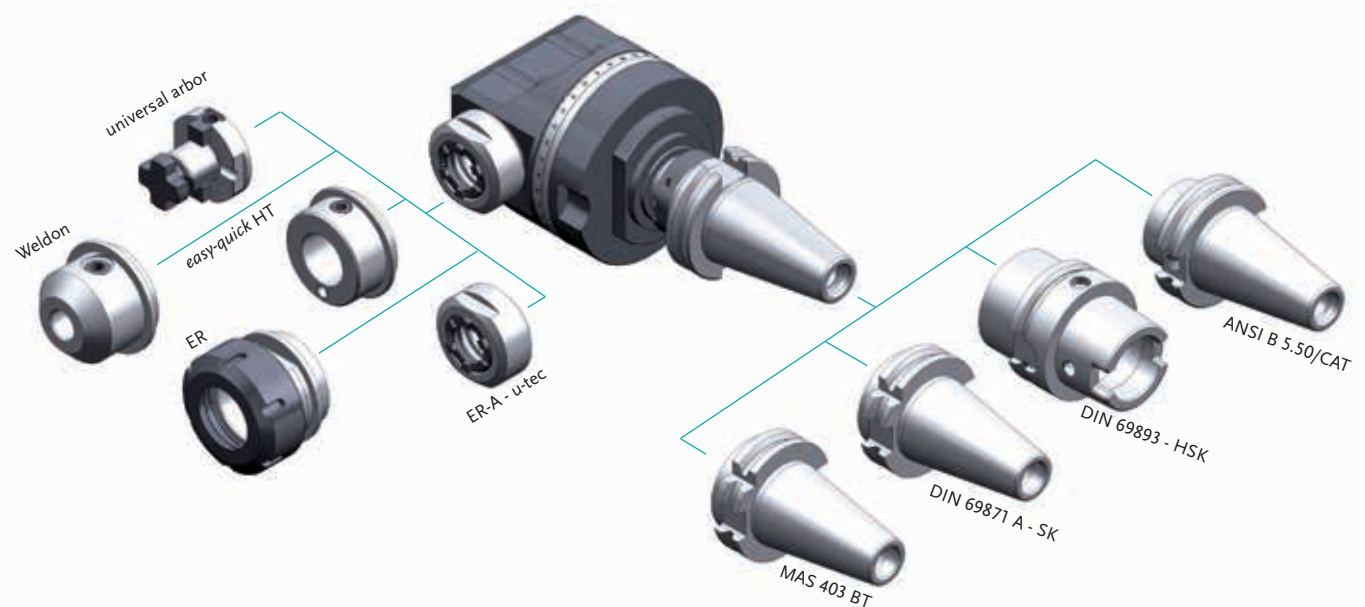


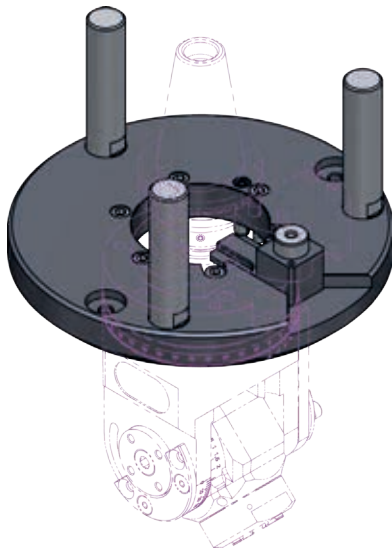
► features and overview



- 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



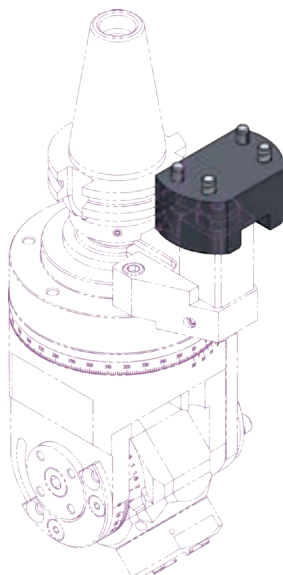
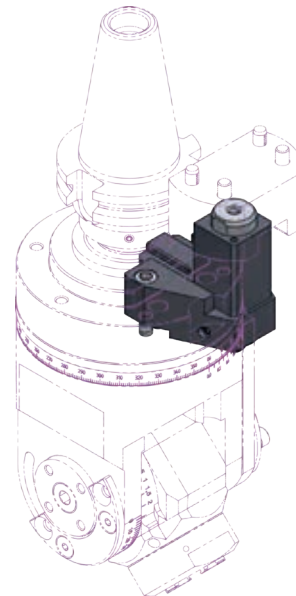


► **Support flange with integrated torque arm**

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.

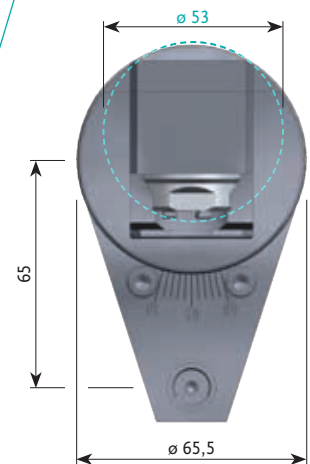
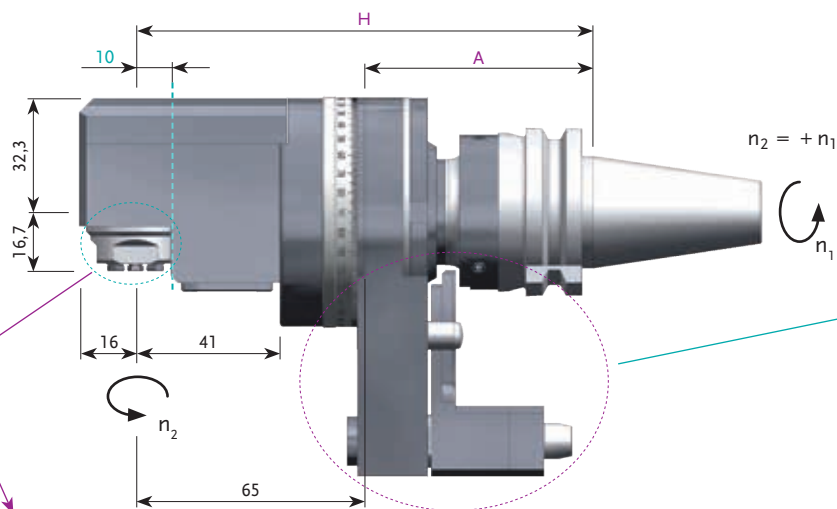
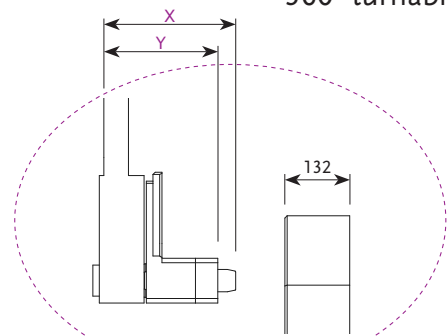
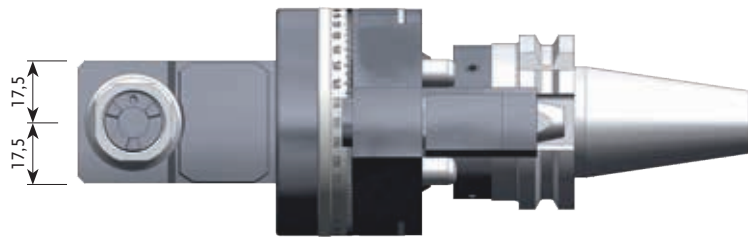
Angle Heads



size 3

► Angle Heads

360° turnable



tool adaption : **ER 11 A** (ø0,5 - ø7,0)
rotation $n_{2 \max}$ [1/min] : 8000
torque $M_{2 \max}$ [Nm] : 6

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 23 002	 DIN 69871 A - SK 30	130	65	✓	59	51	✓
7 033 23 001				✓	59	51	✗
7 033 23 000				✗	-	-	✗
7 033 33 002	 DIN 69893 - HSK 40 A	138	73	✓	59	51	✓
7 033 33 001				✓	59	51	✗
7 033 33 000				✗	-	-	✗
7 033 23 005	 MAS 403 BT 30	130	65	✓	59	51	✓
7 033 23 004				✓	59	51	✗
7 033 23 003				✗	-	-	✗

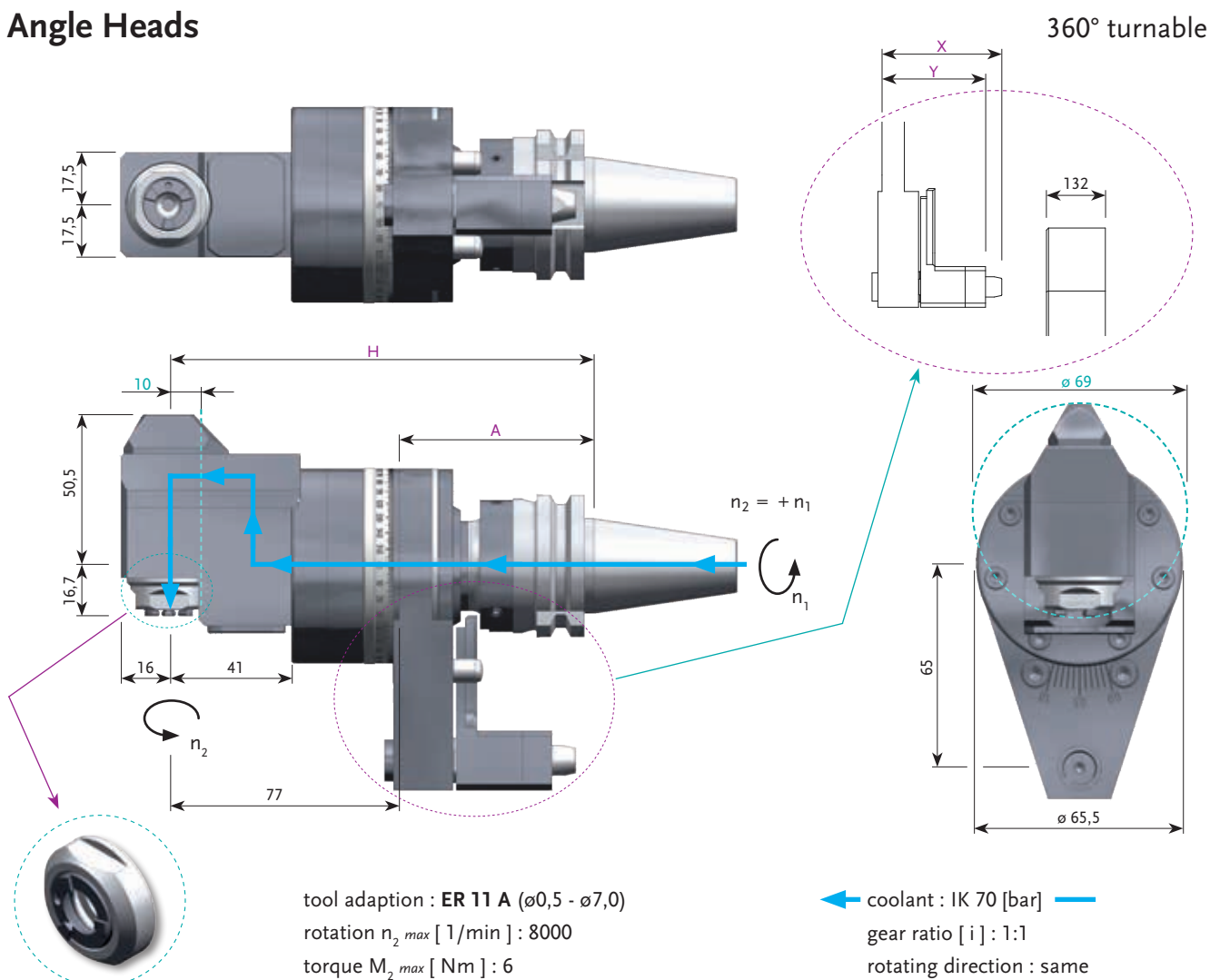
note: support optional!

✗ = 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



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 23 008	 DIN 69871 A - SK 30	142	65	✓	59	51	✓
7 033 23 007				✓	59	51	✗
7 033 23 006				✗	-	-	✗
7 033 33 005	 DIN 69893 - HSK 40 A	150	73	✓	59	51	✓
7 033 33 004				✓	59	51	✗
7 033 33 003				✗	-	-	✗
7 033 23 011	 MAS 403 BT 30	142	65	✓	59	51	✓
7 033 23 010				✓	59	51	✗
7 033 23 009				✗	-	-	✗

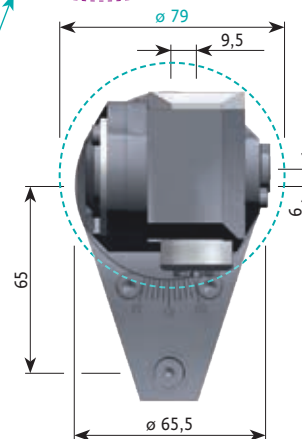
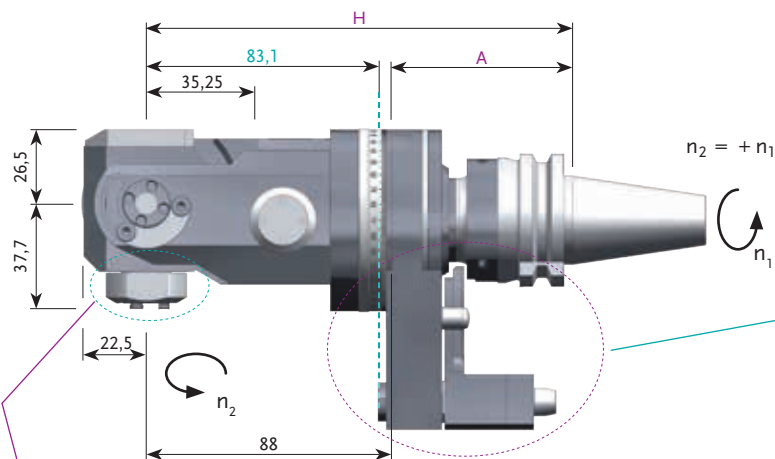
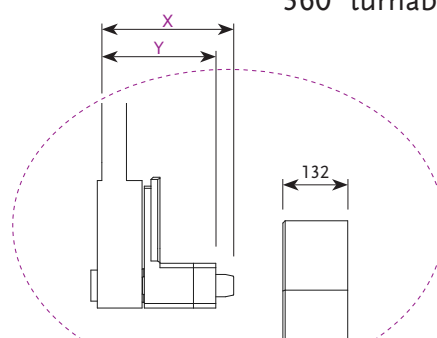
note: support optional!

✗ = 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

► Angle Heads + 90°

360° turnable



tool adaption : **ER 11 A** (ø0,5 - ø7,0)
rotation $n_{2 \max}$ [1/min] : 8000
torque $M_{2 \max}$ [Nm] : 5

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]	
7 043 23 008	 DIN 69871 A - SK 30	153	65	✓	59	51	✓
7 043 23 007				✓	59	51	✗
7 043 23 006				✗	-	-	✗
7 043 33 002	 DIN 69893 - HSK 40 A	161	73	✓	59	51	✓
7 043 33 001				✓	59	51	✗
7 043 33 000				✗	-	-	✗
7 043 23 003	 MAS 403 BT 30	153	65	✓	59	51	✓
7 043 23 000				✓	59	51	✗
7 043 23 002				✗	-	-	✗

note: support optional!

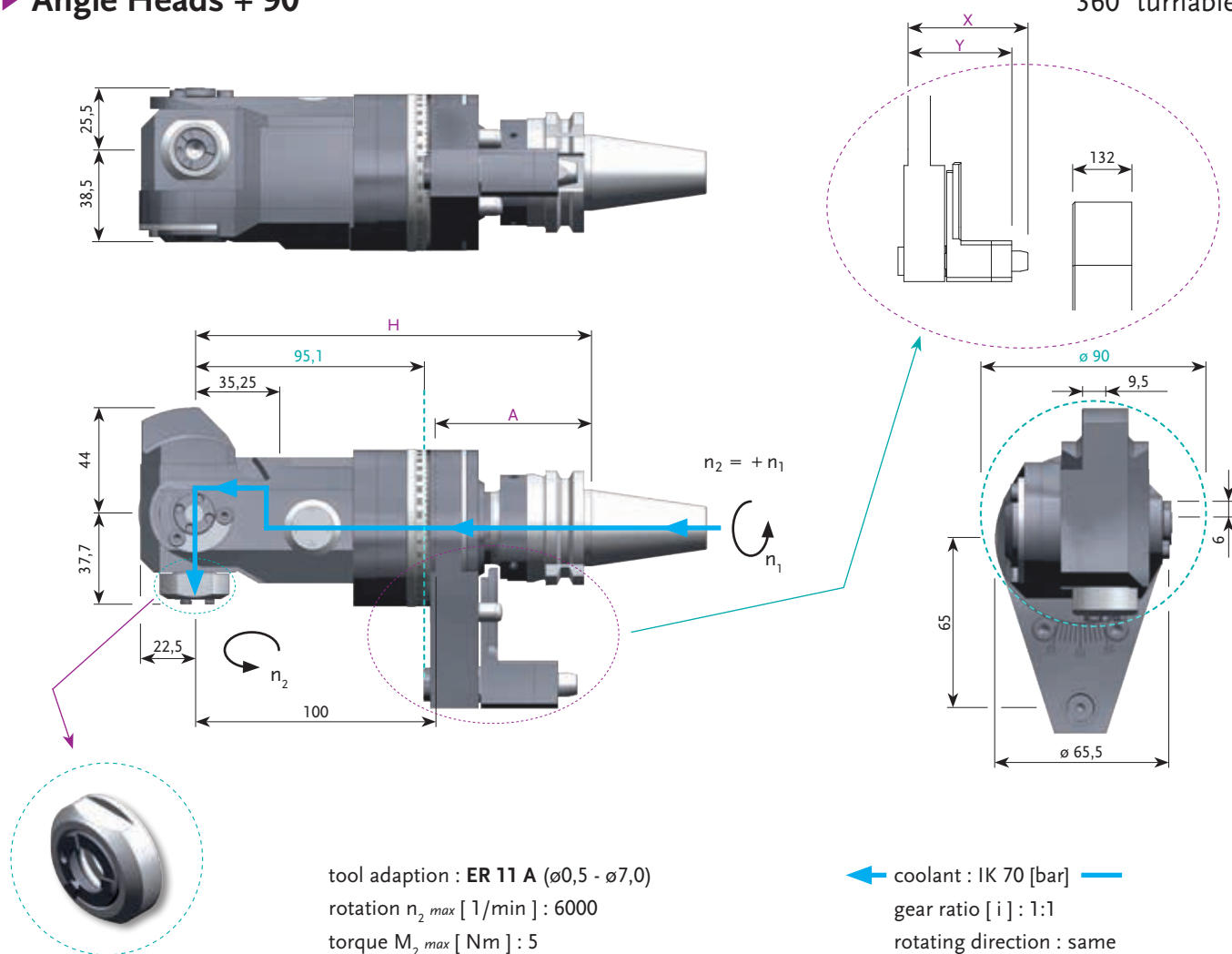
✗ = not included in delivery
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Dim. X = end face fixing bolt / gauge line of the housing
Dim. Y = locking device / gauge line of the housing

► further versions on request

► Angle Heads + 90°

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]	
7 043 23 011	 DIN 69871 A - SK 30	165	65	✓	59	51	✓
7 043 23 010				✓	59	51	✗
7 043 23 009				✗	-	-	✗
7 043 33 005	 DIN 69893 - HSK 40 A	173	73	✓	59	51	✓
7 043 33 004				✓	59	51	✗
7 043 33 003				✗	-	-	✗
7 043 23 005	 MAS 403 BT 30	165	65	✓	59	51	✓
7 043 23 001				✓	59	51	✗
7 043 23 004				✗	-	-	✗

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

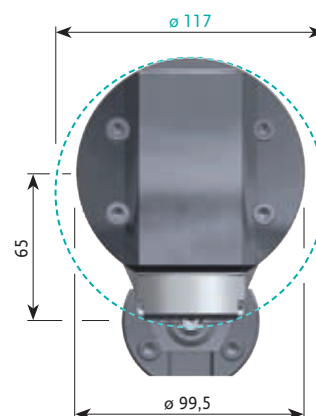
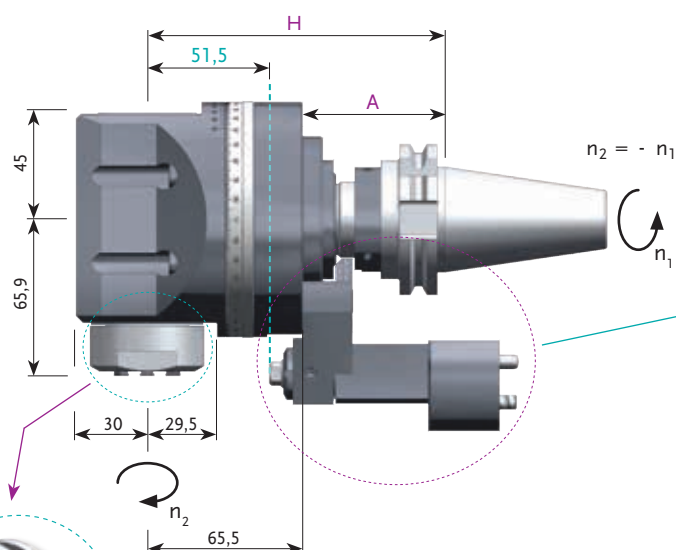
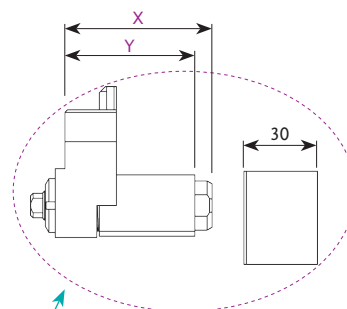
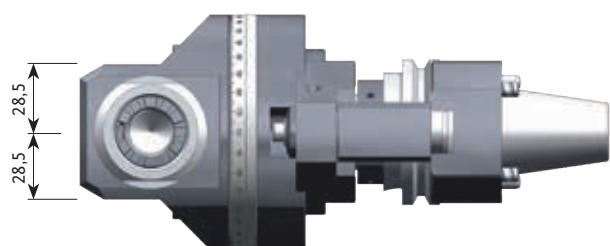
Angle Heads



size 4

► Angle Heads

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]	
7 030 45 009	 DIN 69871 A - SK 40	125,5	60	✓	60	53	✓
7 030 45 021				✓	60	53	✗
7 030 45 008				✗	-	-	✗
7 030 55 002	 DIN 69893 - HSK 63 A	132,5	67	✓	60	53	✓
7 030 55 005				✓	60	53	✗
7 030 55 001				✗	-	-	✗
7 030 45 011	 MAS 403 BT 40	125,5	60	✓	60	53	✓
7 030 45 022				✓	60	53	✗
7 030 45 010				✗	-	-	✗
7 030 45 007	 ANSI B 5.50/ CAT 40 inch	125,5	60	✓	60	53	✓
7 030 45 020				✓	60	53	✗
7 030 45 006				✗	-	-	✗

note: support optional!

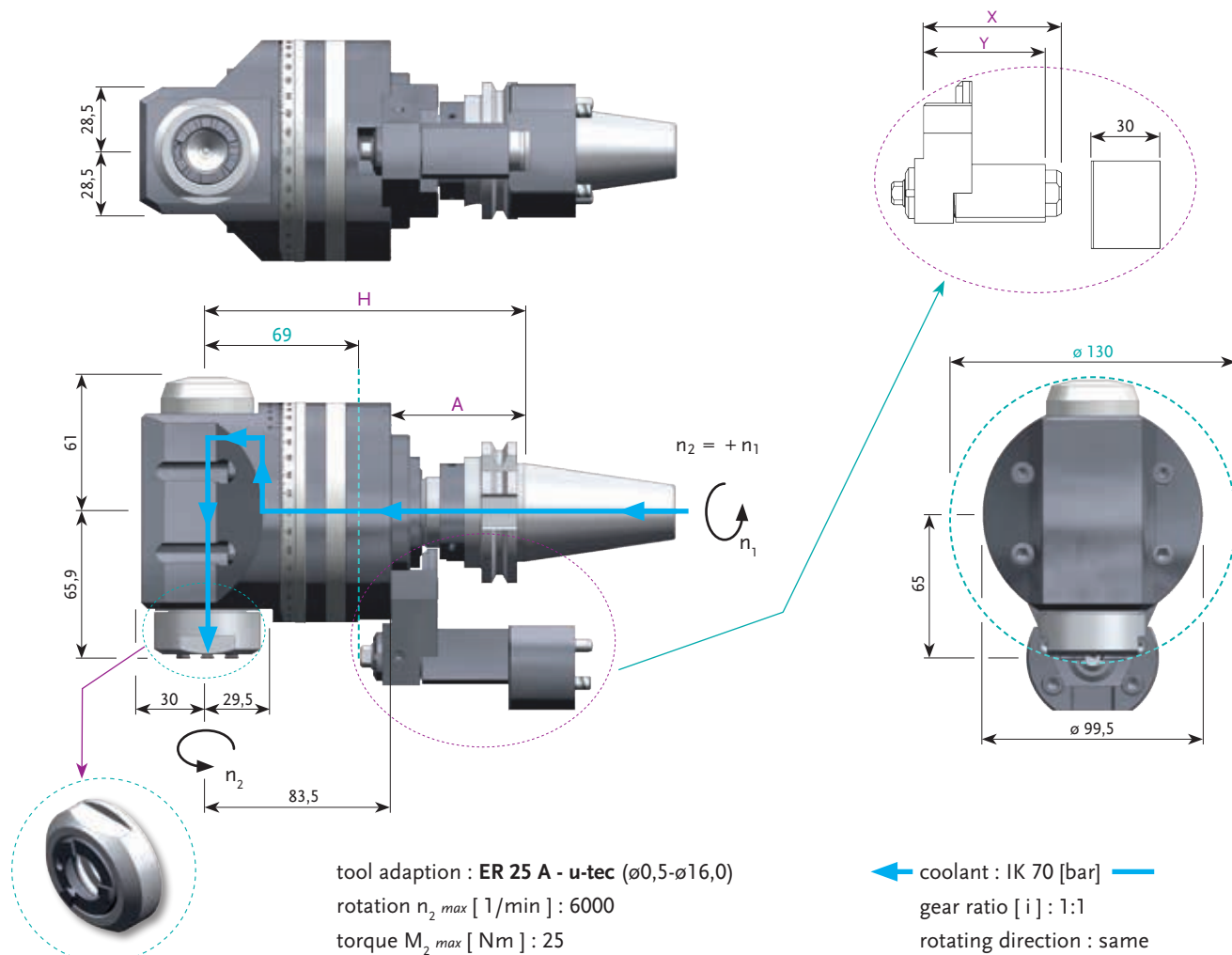
✗ = not included in delivery
✓ = included in delivery

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	 DIN 69871 A - SK 40	143,5	60	✓	60	53	✓
7 030 45 024				✓	60	53	✗
7 030 45 014				✗	-	-	✗
7 030 55 004	 DIN 69893 - HSK 63 A	150,5	67	✓	60	53	✓
7 030 55 006				✓	60	53	✗
7 030 55 003				✗	-	-	✗
7 030 45 017	 MAS 403 BT 40	143,5	60	✓	60	53	✓
7 030 45 025				✓	60	53	✗
7 030 45 016				✗	-	-	✗
7 030 45 013	 ANSI B 5.50/ CAT 40 inch	143,5	60	✓	60	53	✓
7 030 45 023				✓	60	53	✗
7 030 45 012				✗	-	-	✗

note: support optional

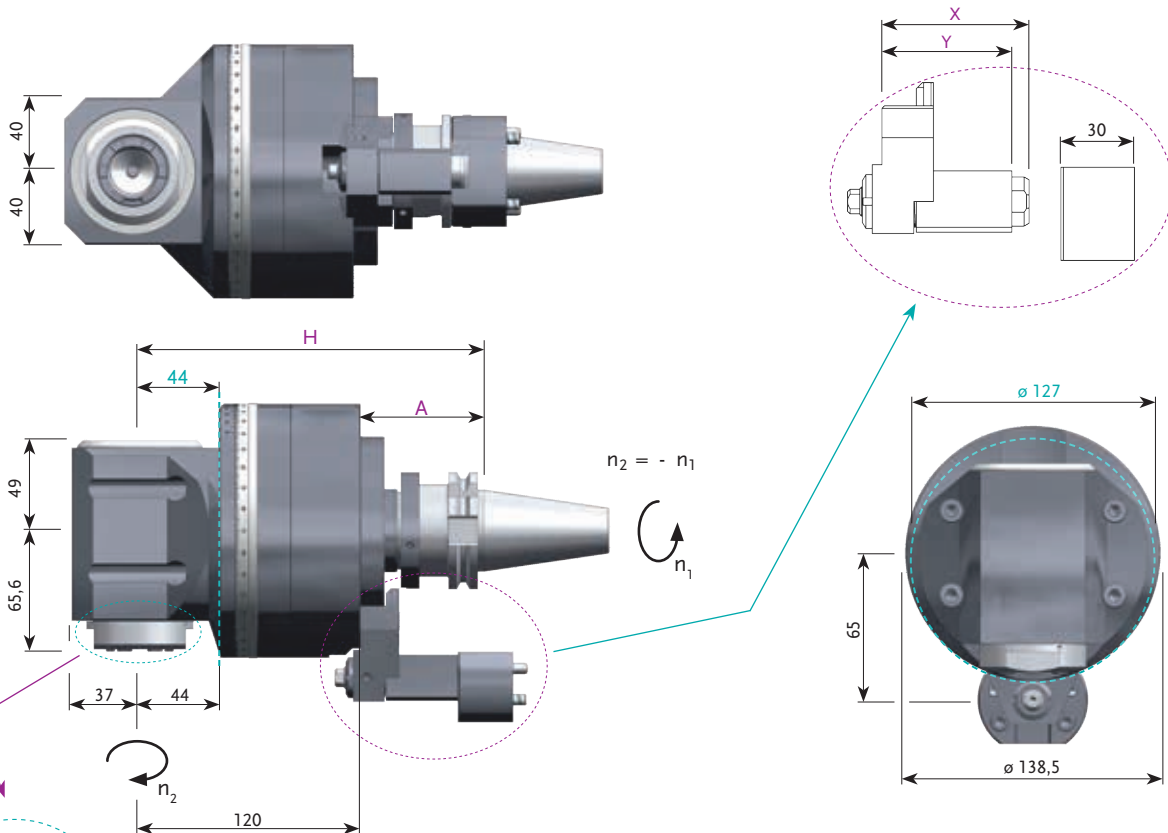
✗ = not included in delivery
✓ = included in delivery

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 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 H [mm]	gauge line of housing A [mm]	torque arm			stop-block
					Dim. X [mm]	Dim. Y [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!

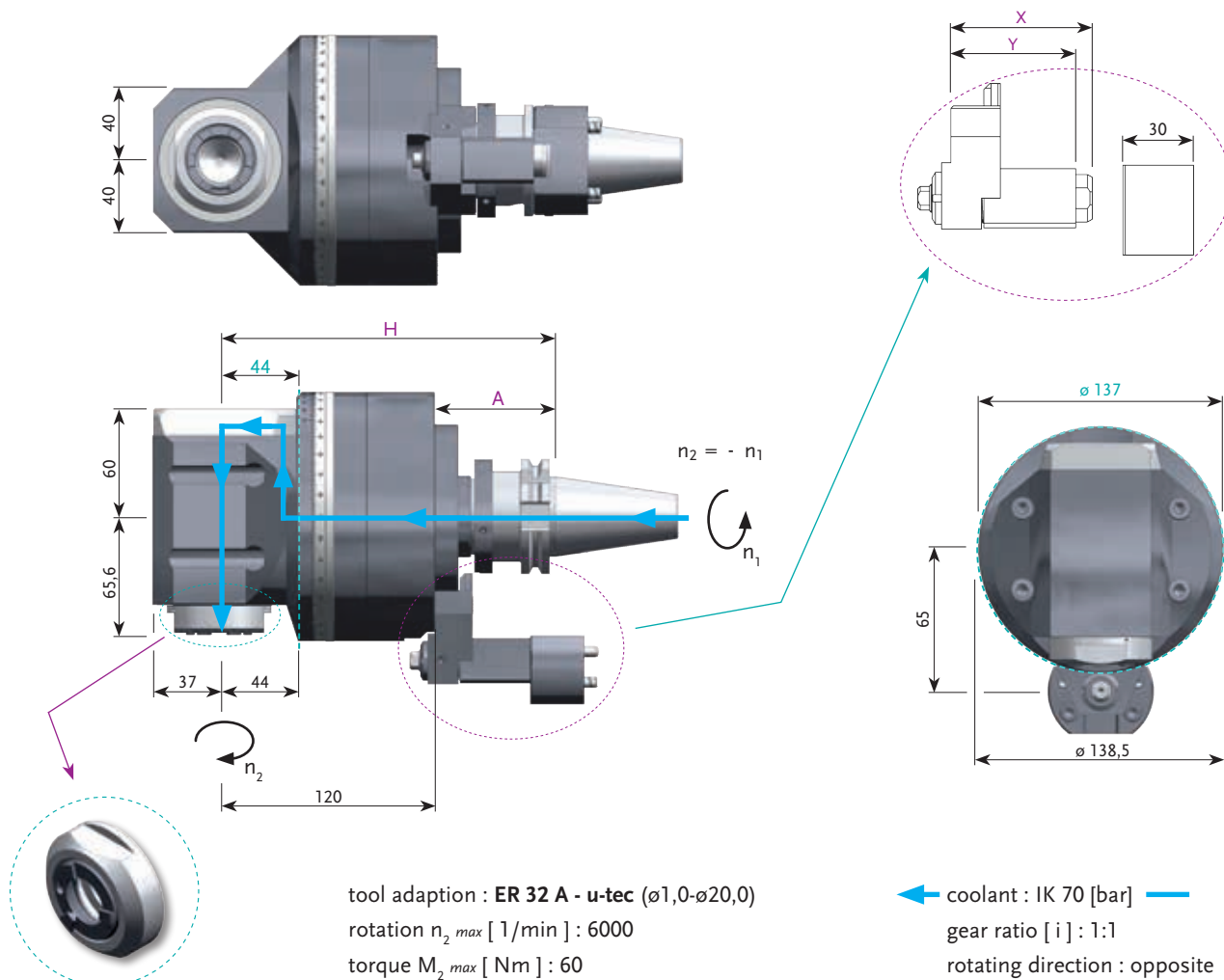
✗ = not included in delivery
✓ = included in delivery

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!

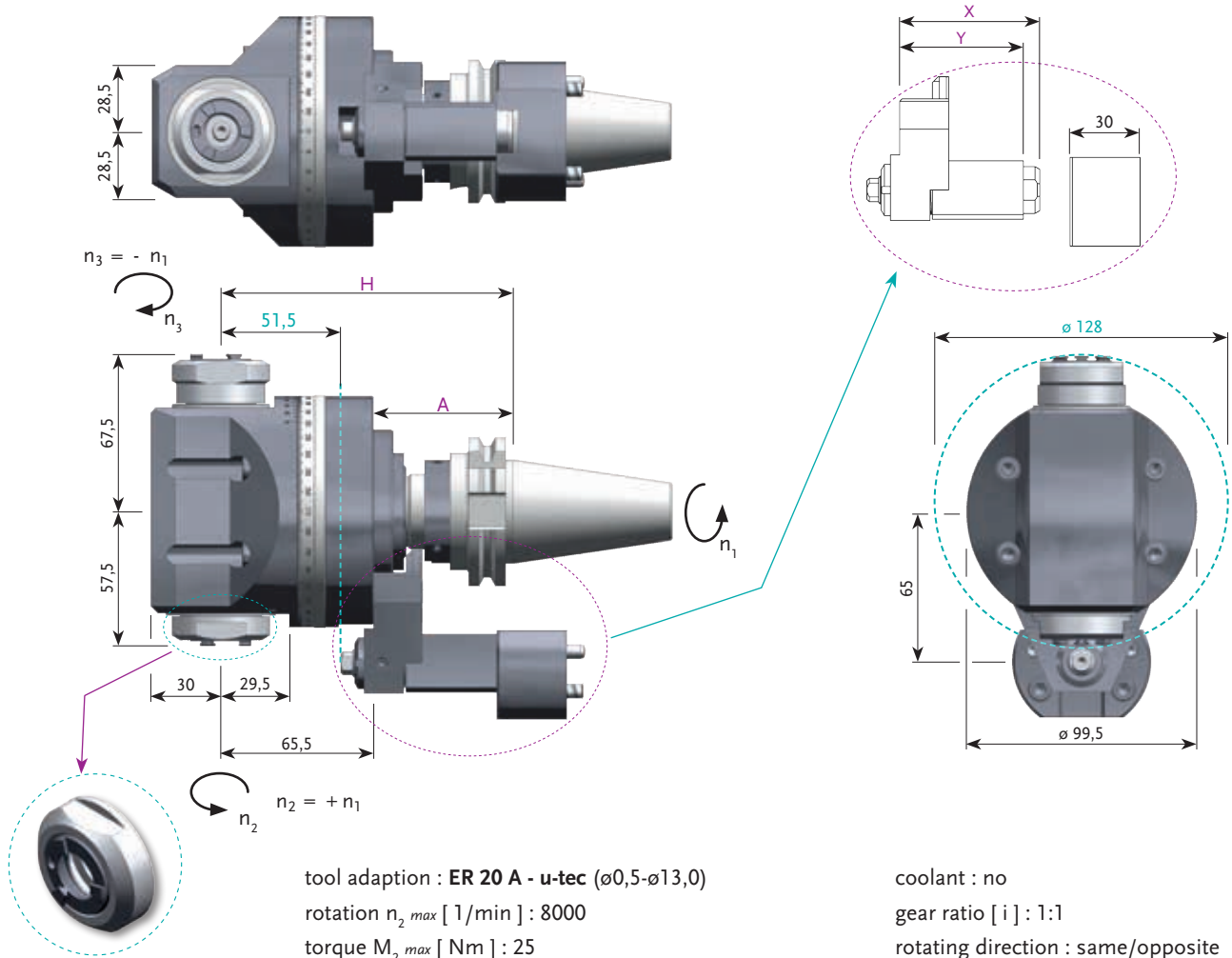
- ✗ = not included in delivery
- ✓ = included in delivery

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



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	 DIN 69871 A - SK 40	125,5	60	✓	60	53	✓
7 039 44 058				✓	60	53	✗
7 039 44 055				✗	-	-	✗
7 039 54 015	 DIN 69893 - HSK 63 A	132,5	67	✓	60	53	✓
7 039 54 017				✓	60	53	✗
7 039 54 016				✗	-	-	✗
7 039 44 052	 MAS 403 BT 40	125,5	60	✓	60	53	✓
7 039 44 059				✓	60	53	✗
7 039 44 050				✗	-	-	✗
7 039 44 054	 ANSI B 5.50/ CAT 40 inch	125,5	60	✓	60	53	✓
7 039 44 057				✓	60	53	✗
7 039 44 053				✗	-	-	✗

note: support optional!

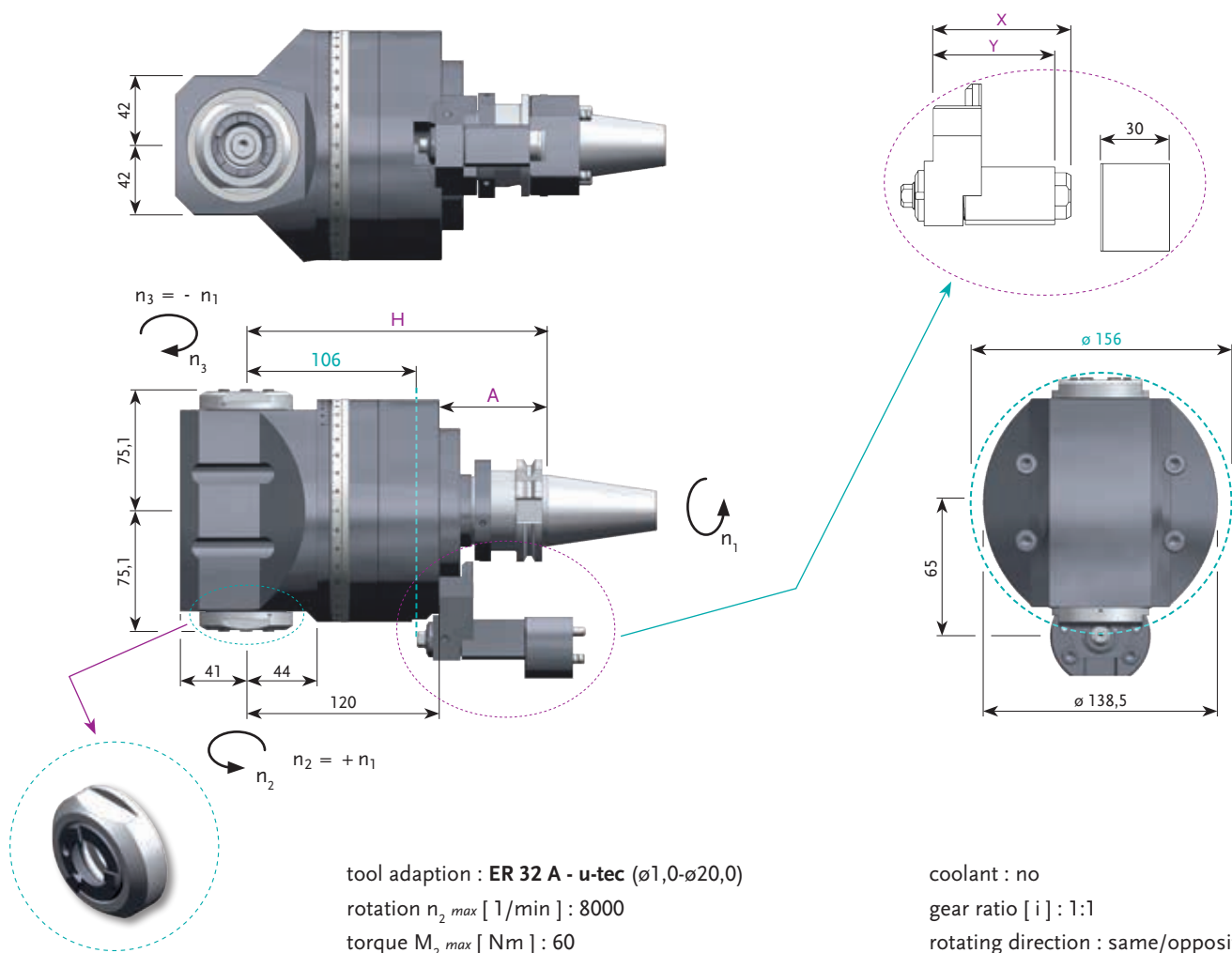
✗ = not included in delivery
✓ = included in delivery

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

► further versions on request

► 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]	
7 039 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!

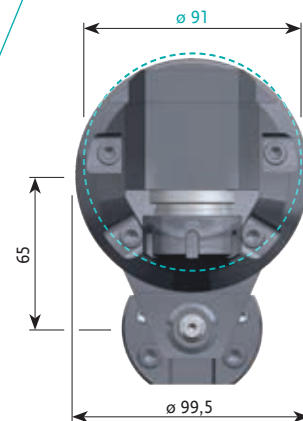
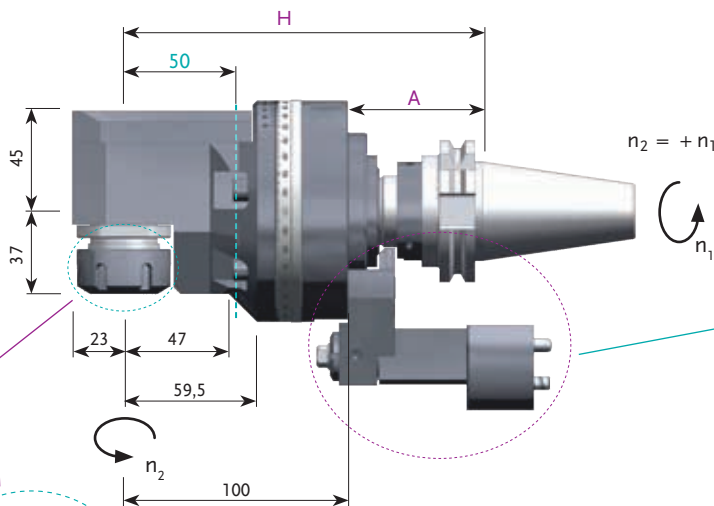
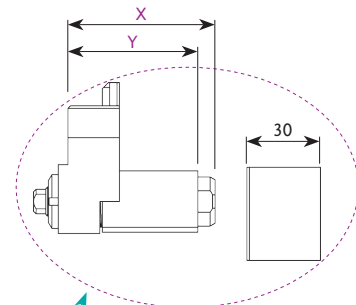
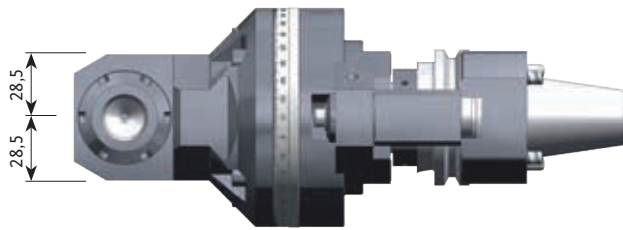
✗ = not included in delivery
✓ = included in delivery

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



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	 DIN 69871 A - SK 40	160	60	✓	60	53	✓
7 033 45 023				✓	60	53	✗
7 033 45 012				✗	-	-	✗
7 033 55 003	 DIN 69893 - HSK 63 A	167	67	✓	60	53	✓
7 033 55 004				✓	60	53	✗
7 033 55 002				✗	-	-	✗
7 033 45 015	 MAS 403 BT 40	160	60	✓	60	53	✓
7 033 45 024				✓	60	53	✗
7 033 45 014				✗	-	-	✗
7 033 45 011	 ANSI B 5.50/ CAT 40 inch	160	60	✓	60	53	✓
7 033 45 022				✓	60	53	✗
7 033 45 010				✗	-	-	✗

note: support optional!

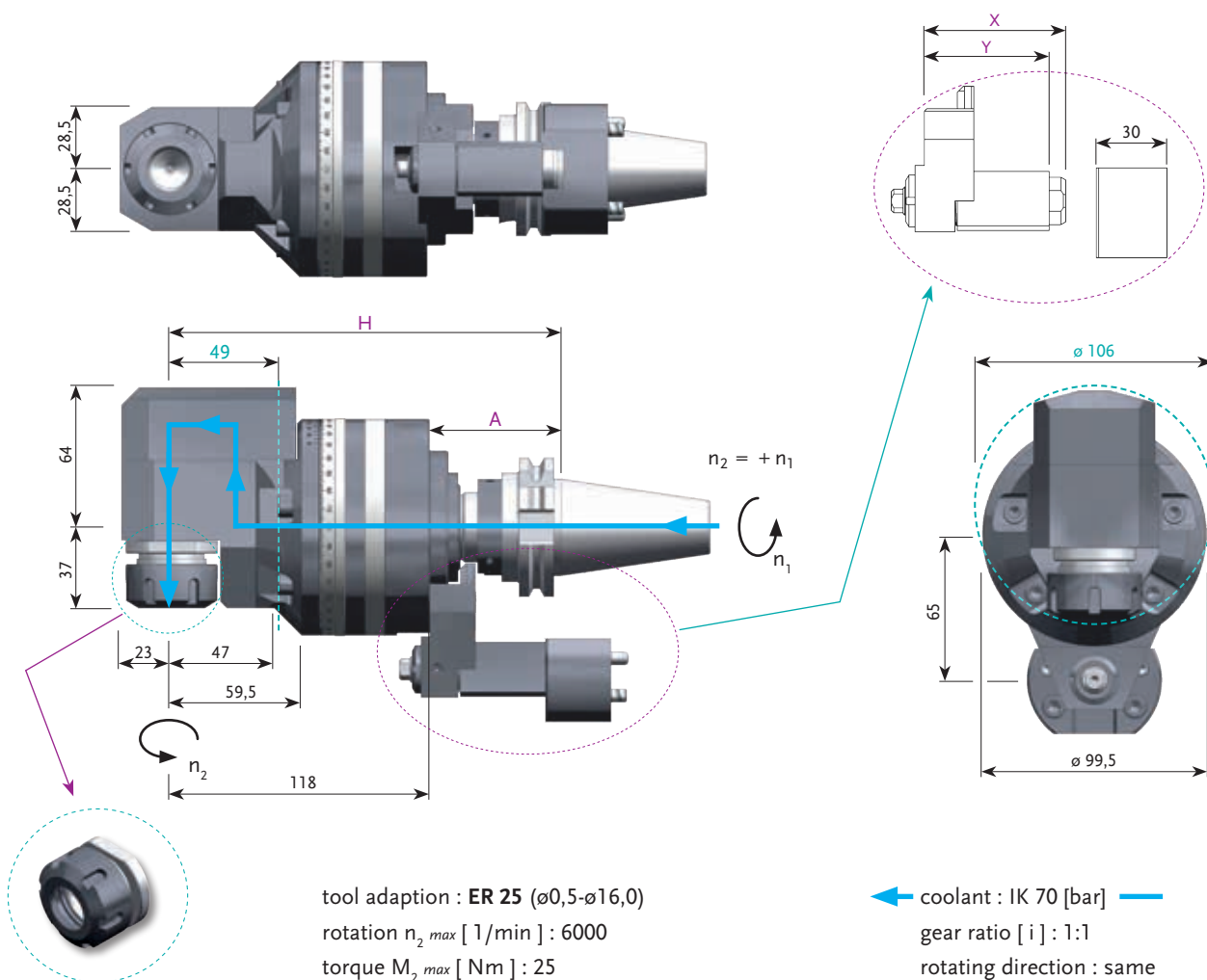
✗ = not included in delivery
✓ = included in delivery

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	 DIN 69871 A - SK 40	178	60	✓	60	53	✓
7 033 45 026				✓	60	53	✗
7 033 45 008				✗	-	-	✗
7 033 55 001	 DIN 69893 - HSK 63 A	185	67	✓	60	53	✓
7 033 55 005				✓	60	53	✗
7 033 55 000				✗	-	-	✗
7 033 45 007	 MAS 403 BT 40	178	60	✓	60	53	✓
7 033 45 027				✓	60	53	✗
7 033 45 006				✗	-	-	✗
7 033 45 005	 ANSI B 5.50/ CAT 40 inch	178	60	✓	60	53	✓
7 033 45 025				✓	60	53	✗
7 033 45 004				✗	-	-	✗

note: support optional!

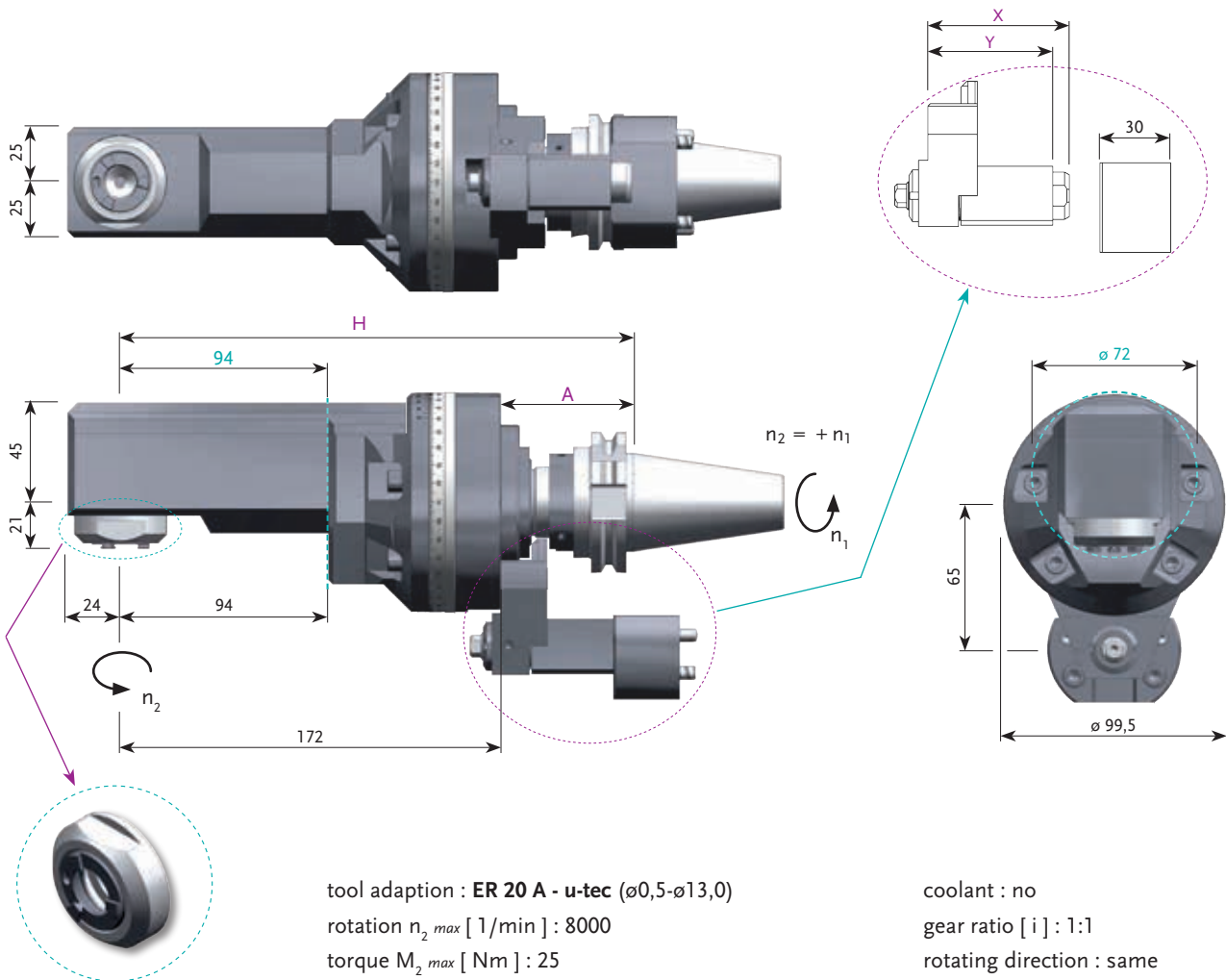
✗ = not included in delivery
✓ = included in delivery

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



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 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!

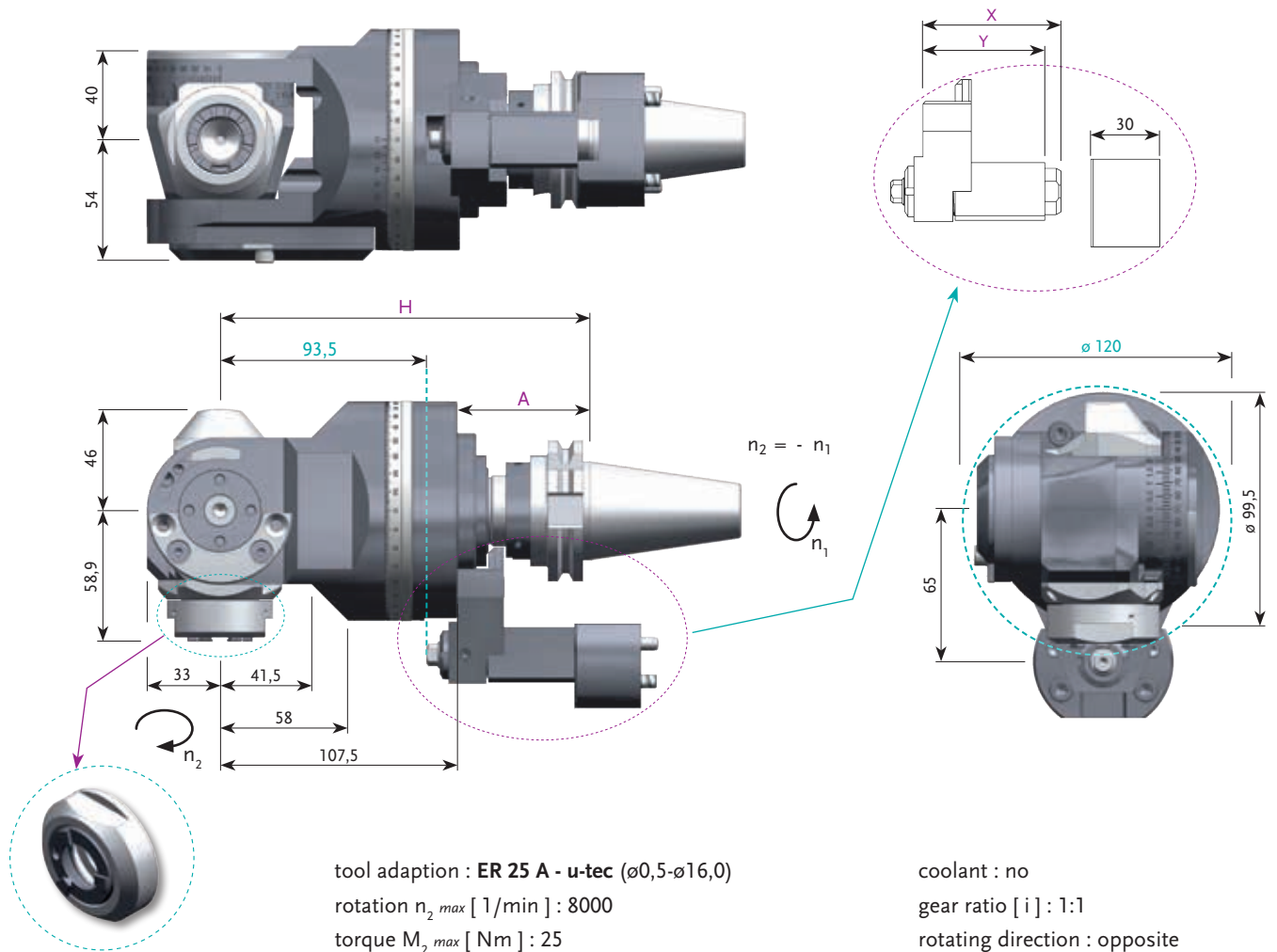
✗ = not included in delivery
✓ = included in delivery

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

► further versions on request

► Angle Heads $\pm 90^\circ$ adjustable

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]	
7 040 45 008	 DIN 69871 A - SK 40	167,5	60	✓	60	53	✓
7 040 45 022				✓	60	53	✗
7 040 45 007				✗	-	-	✗
7 040 55 000	 DIN 69893 - HSK 63 A	174,5	67	✓	60	53	✓
7 040 55 004				✓	60	53	✗
7 040 55 002				✗	-	-	✗
7 040 45 006	 MAS 403 BT 40	167,5	60	✓	60	53	✓
7 040 45 023				✓	60	53	✗
7 040 45 005				✗	-	-	✗
7 040 45 016	 ANSI B 5.50/ CAT 40 inch	167,5	60	✓	60	53	✓
7 040 45 021				✓	60	53	✗
7 040 45 015				✗	-	-	✗

note: support optional

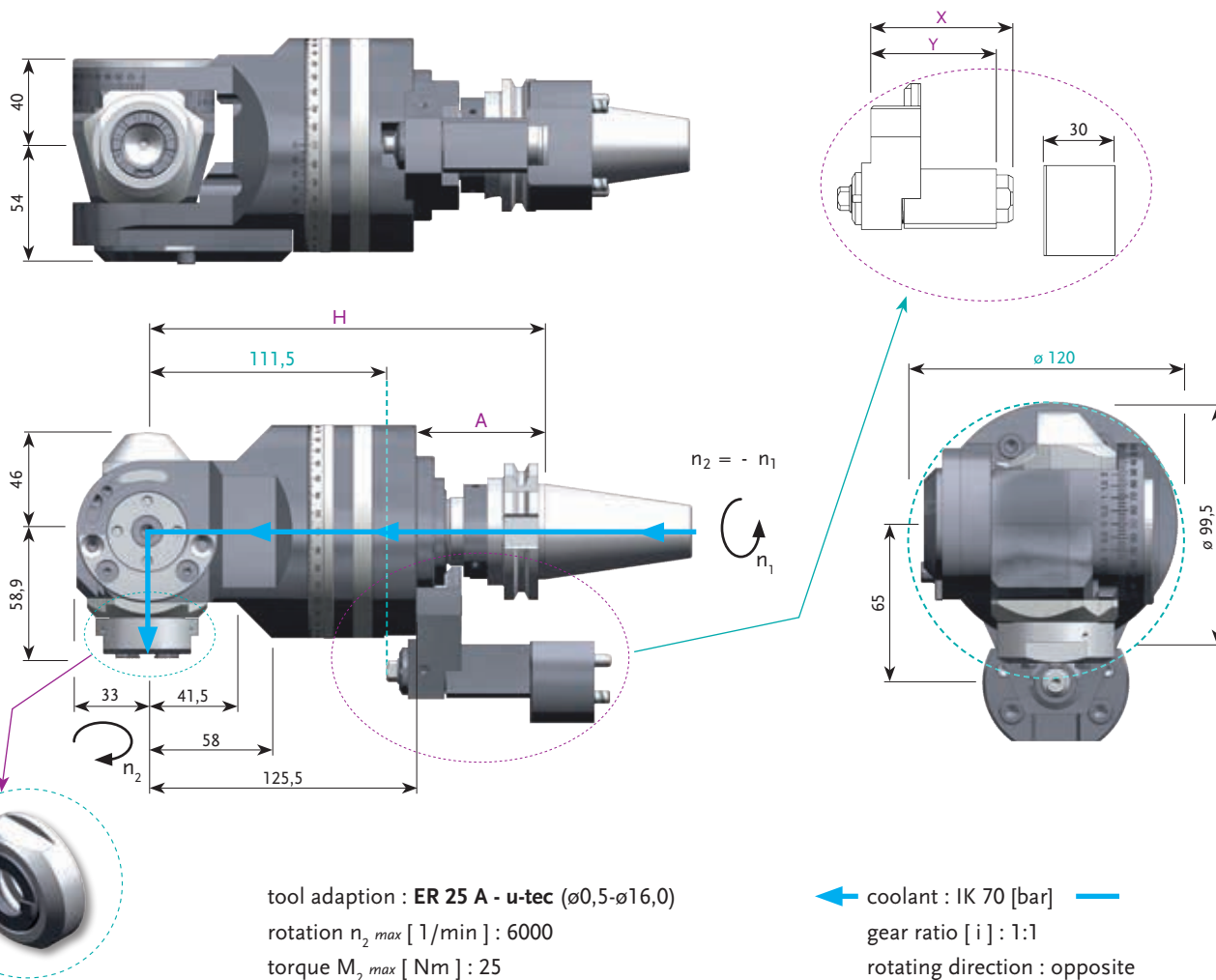
✗ = not included in delivery
 ✓ = included in delivery

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 $\pm 90^\circ$ adjustable

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]	
7 040 45 019	 DIN 69871 A - SK 40	185,5	60	✓	60	53	✓
7 040 45 025				✓	60	53	✗
7 040 45 009				✗	-	-	✗
7 040 55 001	 DIN 69893 - HSK 63 A	192,5	67	✓	60	53	✓
7 040 55 005				✓	60	53	✗
7 040 55 003				✗	-	-	✗
7 040 45 014	 MAS 403 BT 40	185,5	60	✓	60	53	✓
7 040 45 026				✓	60	53	✗
7 040 45 020				✗	-	-	✗
7 040 45 018	 ANSI B 5.50/ CAT 40 inch	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

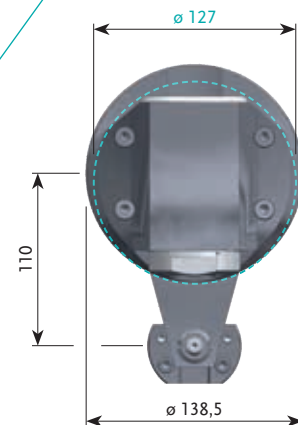
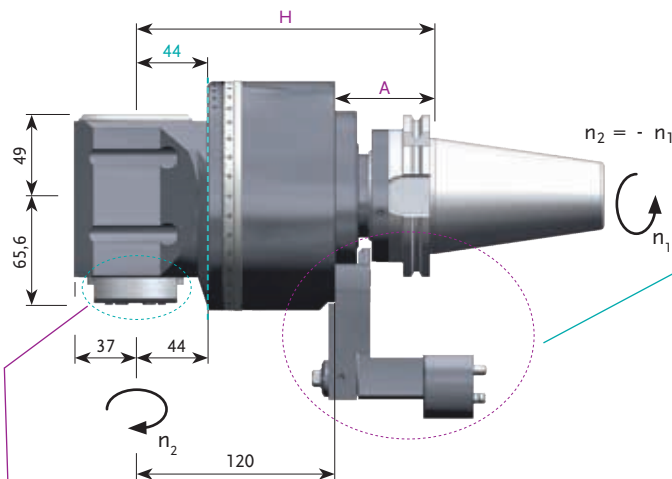
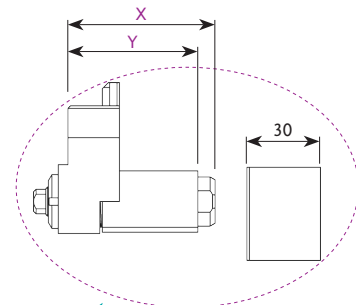
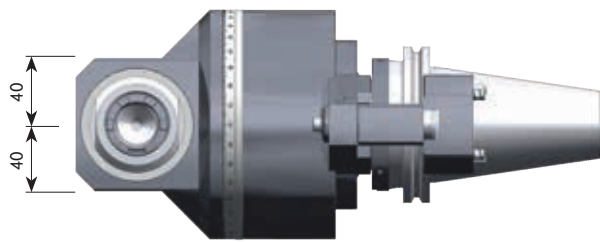
Angle Heads



size 5

► 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 : 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 66 014	 DIN 69871 A - SK 50	180	60	✓	60	53	✓
7 030 66 024				✓	60	53	✗
7 030 66 010				✗	-	-	✗
7 030 76 001	 DIN 69893 - HSK 100 A	190	70	✓	60	53	✓
7 030 76 004				✓	60	53	✗
7 030 76 000				✗	-	-	✗
7 030 66 016	 MAS 403 BT 50	190	70	✓	60	53	✓
7 030 66 025				✓	60	53	✗
7 030 66 015				✗	-	-	✗
7 030 66 013	 ANSI B 5.50/ CAT 50 inch	180	60	✓	60	53	✓
7 030 66 023				✓	60	53	✗
7 030 66 012				✗	-	-	✗

note: support optional!

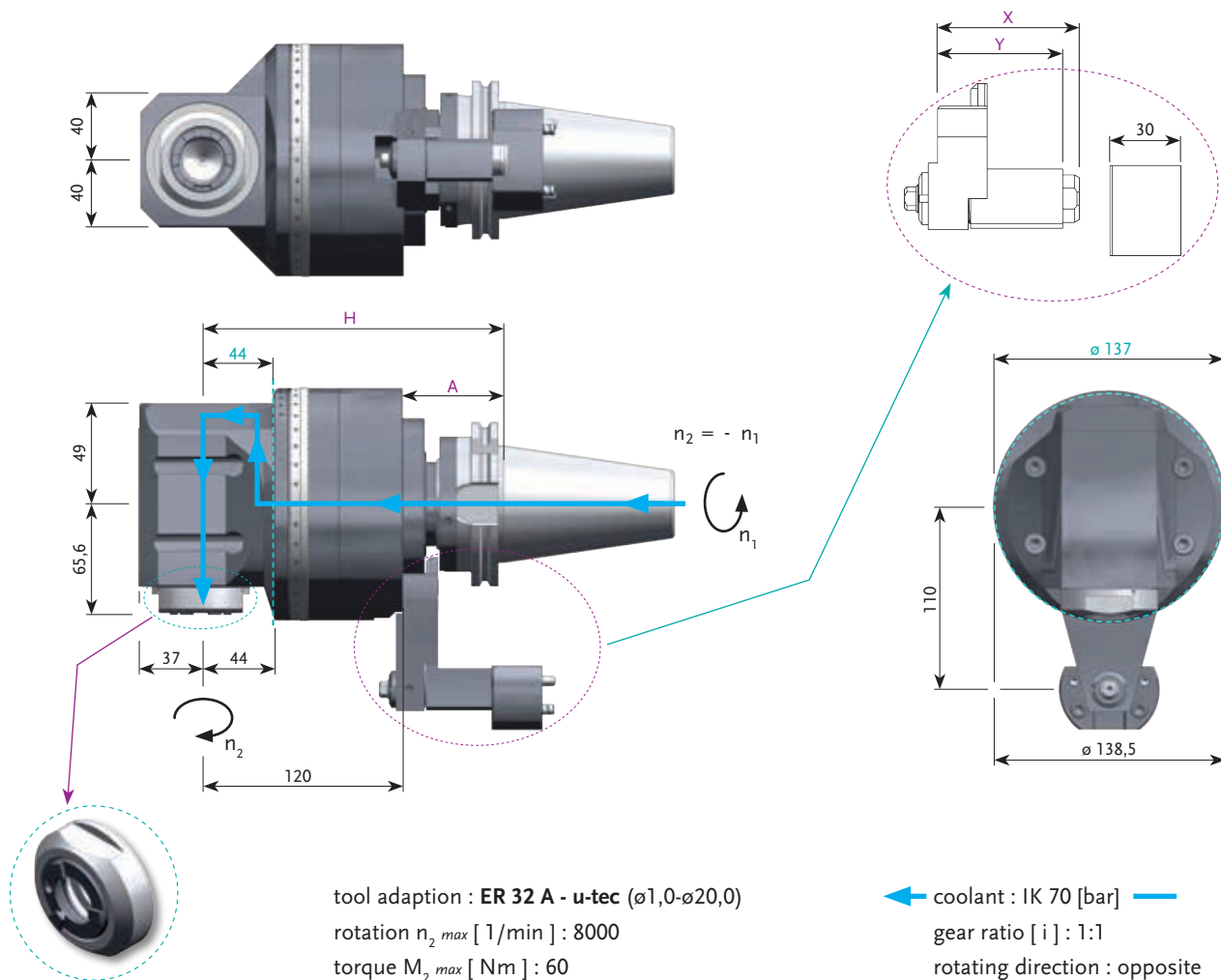
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Dim. X = end face fixing bolt / gauge line of the housing
Dim. Y = locking device / gauge line of the housing

► further versions on request

► Angle Heads

360° turnable



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 66 017	 DIN 69871 A - SK 50	180	60	✓	60	53	✓
7 030 66 027				✓	60	53	✗
7 030 66 011				✗	-	-	✗
7 030 76 003	 DIN 69893 - HSK 100 A	190	70	✓	60	53	✓
7 030 76 005				✓	60	53	✗
7 030 76 002				✗	-	-	✗
7 030 66 021	 MAS 403 BT 50	190	70	✓	60	53	✓
7 030 66 028				✓	60	53	✗
7 030 66 020				✗	-	-	✗
7 030 66 019	 ANSI B 5.50/ CAT 50 inch	180	60	✓	60	53	✓
7 030 66 026				✓	60	53	✗
7 030 66 018				✗	-	-	✗

note: support optional!

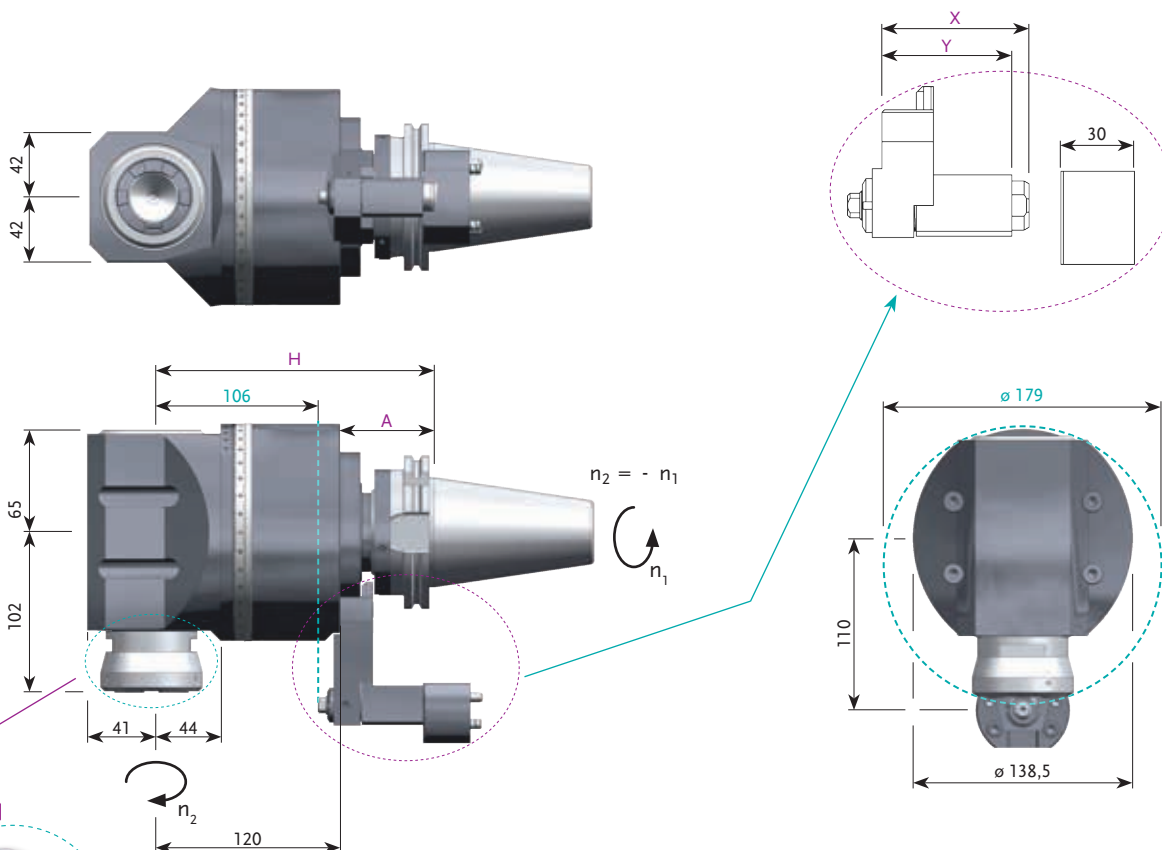
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Dim. X = end face fixing bolt / gauge line of the housing
Dim. Y = locking device / gauge line of the housing

► further versions on request

► Angle Heads

360° turnable



tool adaption : **ER 40 A - u-tec** (ø2,0-ø30,0)
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 H [mm]	gauge line of housing A [mm]	torque arm			stop-block
					Dim. X [mm]	Dim. Y [mm]	
7 030 67 045	 DIN 69871 A - SK 50	180	60	✓	60	53	✓
7 030 67 074				✓	60	53	✗
7 030 67 039				✗	-	-	✗
7 030 77 003	 DIN 69893 - HSK 100 A	190	70	✓	60	53	✓
7 030 77 012				✓	60	53	✗
7 030 77 002				✗	-	-	✗
7 030 67 047	 MAS 403 BT 50	190	70	✓	60	53	✓
7 030 67 075				✓	60	53	✗
7 030 67 046				✗	-	-	✗
7 030 67 038	 ANSI B 5.50/ CAT 50 inch	180	60	✓	60	53	✓
7 030 67 073				✓	60	53	✗
7 030 67 044				✗	-	-	✗

note: support optional!

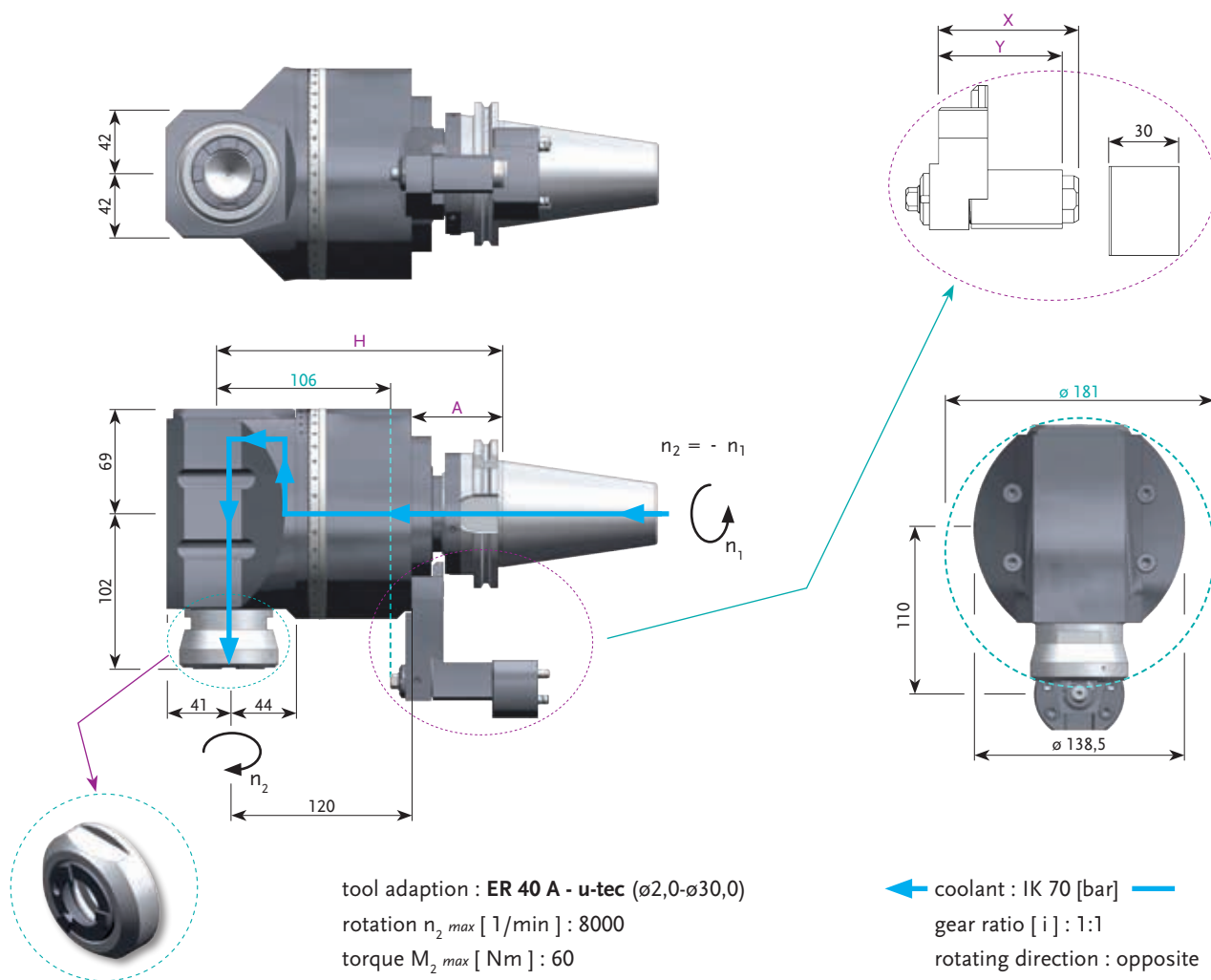
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Dim. X = end face fixing bolt / gauge line of the housing
Dim. Y = locking device / gauge line of the housing

► further versions on request

► Angle Heads

360° turnable



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 67 051	 DIN 69871 A - SK 50	180	60	✓	60	53	✓
7 030 67 077				✓	60	53	✗
7 030 67 050				✗	-	-	✗
7 030 77 005	 DIN 69893 - HSK 100 A	190	70	✓	60	53	✓
7 030 77 013				✓	60	53	✗
7 030 77 004				✗	-	-	✗
7 030 67 053	 MAS 403 BT 50	190	70	✓	60	53	✓
7 030 67 078				✓	60	53	✗
7 030 67 052				✗	-	-	✗
7 030 67 049	 ANSI B 5.50/ CAT 50 inch	180	60	✓	60	53	✓
7 030 67 076				✓	60	53	✗
7 030 67 048				✗	-	-	✗

note: support optional!

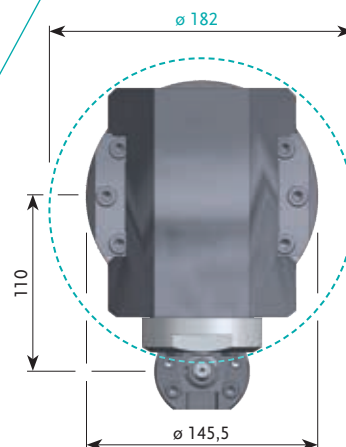
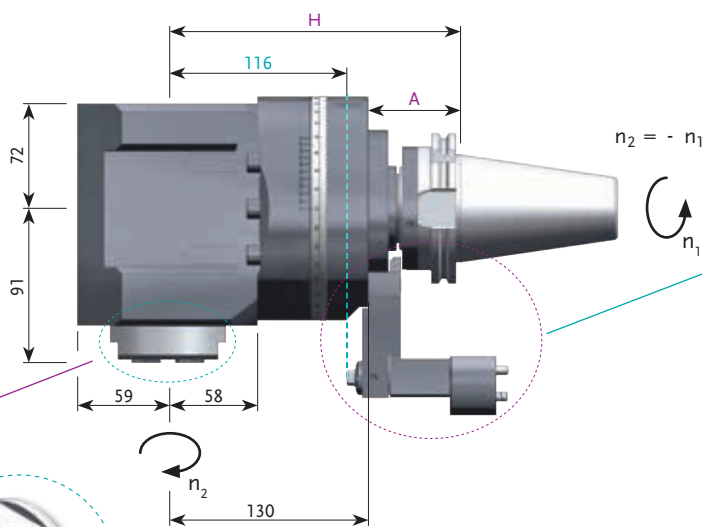
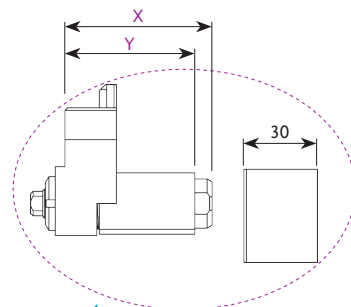
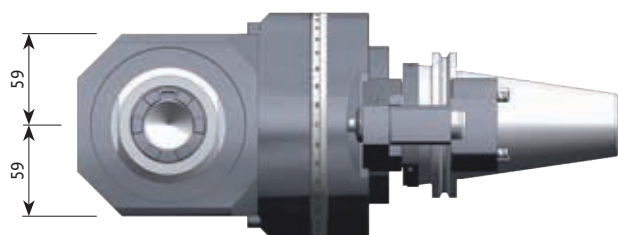
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Dim. X = end face fixing bolt / gauge line of the housing
Dim. Y = locking device / gauge line of the housing

► further versions on request

► Angle Heads

360° turnable



tool adaption : **ER 40 A - u-tec** (ø2,0-ø30,0)
 rotation $n_{2 \max}$ [1/min] : 6000
 torque $M_{2 \max}$ [Nm] : 120

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 67 054	 DIN 69871 A - SK 50	190	60	✓	60	53	✓
7 030 67 080				✓	60	53	✗
7 030 67 040				✗	-	-	✗
7 030 77 007	 DIN 69893 - HSK 100 A	200	70	✓	60	53	✓
7 030 77 014				✓	60	53	✗
7 030 77 006				✗	-	-	✗
7 030 67 058	 MAS 403 BT 50	200	70	✓	60	53	✓
7 030 67 081				✓	60	53	✗
7 030 67 057				✗	-	-	✗
7 030 67 056	 ANSI B 5.50/ CAT 50 inch	190	60	✓	60	53	✓
7 030 67 079				✓	60	53	✗
7 030 67 055				✗	-	-	✗

note: support optional!

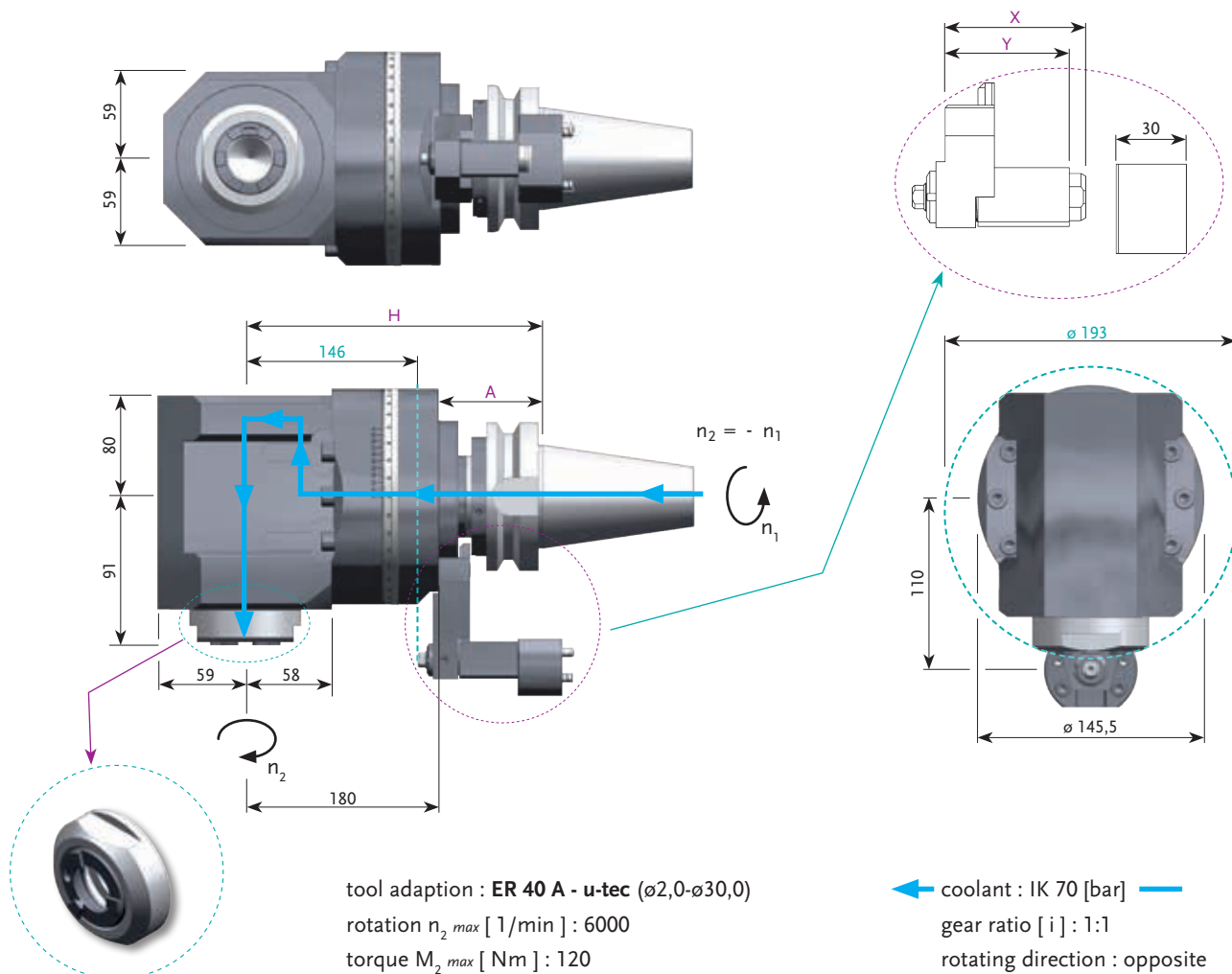
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Dim. X = end face fixing bolt / gauge line of the housing
 Dim. Y = locking device / gauge line of the housing

► further versions on request

► Angle Heads

360° turnable



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 67 062	 DIN 69871 A - SK 50	220	60	✓	60	53	✓
7 030 67 083				✓	60	53	✗
7 030 67 061				✗	-	-	✗
7 030 77 009	 DIN 69893 - HSK 100 A	230	70	✓	60	53	✓
7 030 77 015				✓	60	53	✗
7 030 77 008				✗	-	-	✗
7 030 67 064	 MAS 403 BT 50	230	70	✓	60	53	✓
7 030 67 084				✓	60	53	✗
7 030 67 063				✗	-	-	✗
7 030 67 060	 ANSI B 5.50/ CAT 50 inch	220	60	✓	60	53	✓
7 030 67 082				✓	60	53	✗
7 030 67 059				✗	-	-	✗

note: support optional

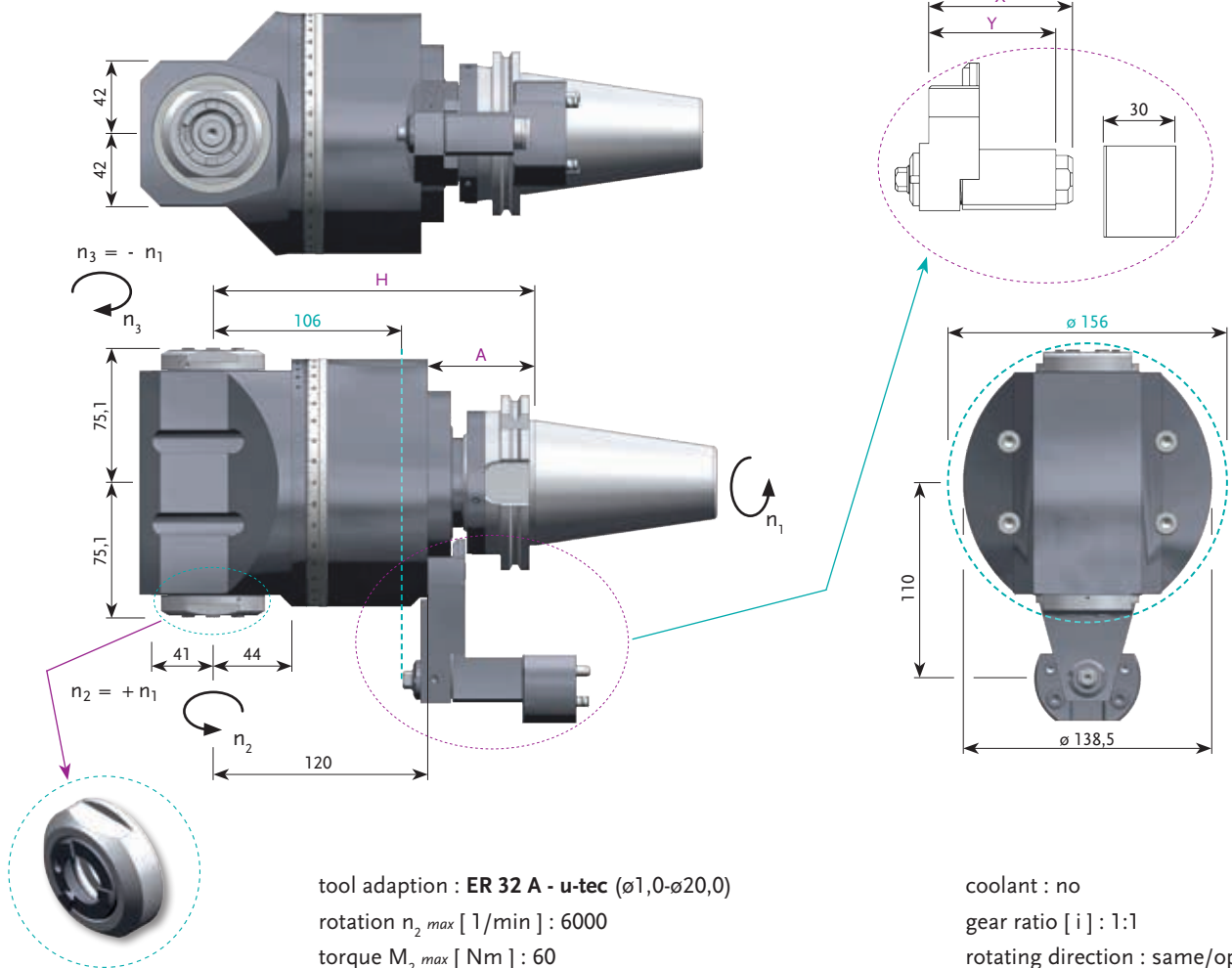
✗ = not included in delivery
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Dim. X = end face fixing bolt / gauge line of the housing
Dim. Y = locking device / gauge line of the housing

► further versions on request

► Angle Heads

360° turnable; double spindle



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 66 083	 DIN 69871 A - SK 50	180	60	✓	60	53	✓
7 039 66 085				✓	60	53	✗
7 039 66 082				✗	-	-	✗
7 039 76 010	 DIN 69893 - HSK 100 A	190	70	✓	60	53	✓
7 039 76 011				✓	60	53	✗
7 039 76 009				✗	-	-	✗
7 039 66 079	 MAS 403 BT 50	190	70	✓	60	53	✓
7 039 66 086				✓	60	53	✗
7 039 66 075				✗	-	-	✗
7 039 66 081	 ANSI B 5.50/ CAT 50 inch	180	60	✓	60	53	✓
7 039 66 084				✓	60	53	✗
7 039 66 080				✗	-	-	✗

note: support optional!

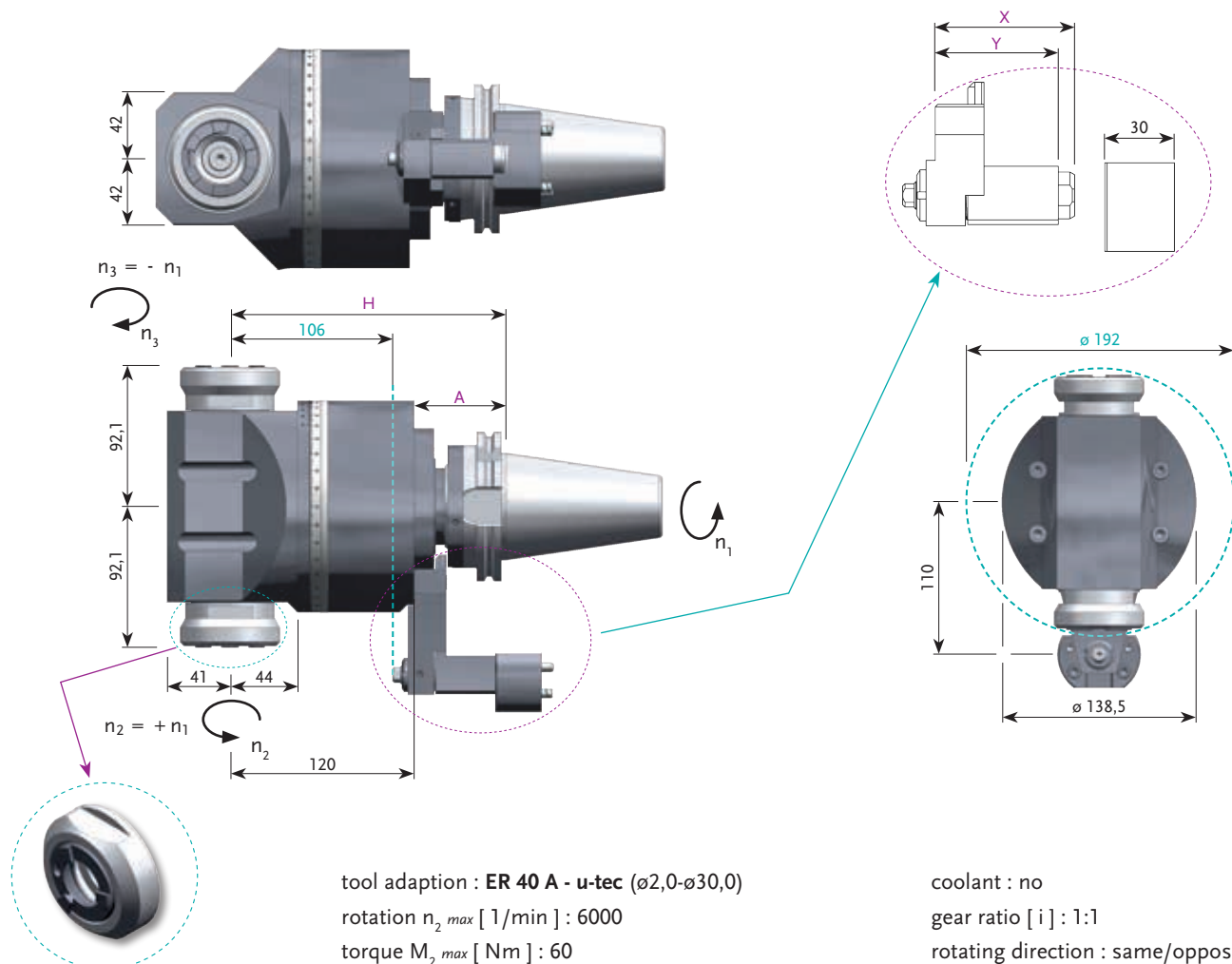
✗ = not included in delivery
✓ = included in delivery

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; double spindle



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 67 060	DIN 69871 A - SK 50	180	60	✓	60	53	✓
7 039 67 064				✓	60	53	✗
7 039 67 059				✗	-	-	✗
7 039 77 010	DIN 69893 - HSK 100 A	190	70	✓	60	53	✓
7 039 77 011				✓	60	53	✗
7 039 77 009				✗	-	-	✗
7 039 67 062	MAS 403 BT 50	190	70	✓	60	53	✓
7 039 67 065				✓	60	53	✗
7 039 67 061				✗	-	-	✗
7 039 67 058	ANSI B 5.50/ CAT 50 inch	180	60	✓	60	53	✓
7 039 67 063				✓	60	53	✗
7 039 67 057				✗	-	-	✗

note: support optional!

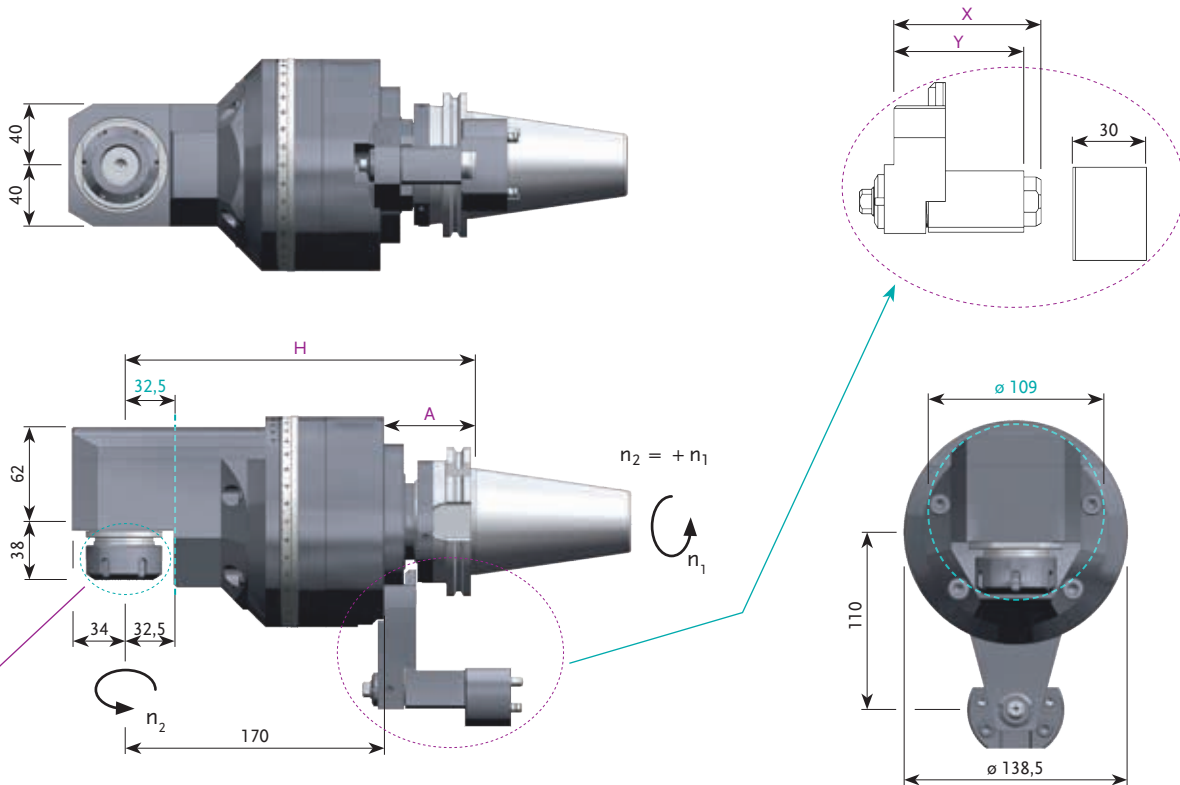
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✓ = included in delivery

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

360° turnable



tool adaption : **ER 32** (ø1,0-ø20,0)
rotation $n_{2 \max}$ [1/min] : 6000
torque $M_{2 \max}$ [Nm] : 50

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 66 019	 DIN 69871 A - SK 50	230	60	✓	60	53	✓
7 033 66 029				✓	60	53	✗
7 033 66 018				✗	-	-	✗
7 033 76 002	 DIN 69893 - HSK 100 A	240	70	✓	60	53	✓
7 033 76 006				✓	60	53	✗
7 033 76 001				✗	-	-	✗
7 033 66 021	 MAS 403 BT 50	240	70	✓	60	53	✓
7 033 66 030				✓	60	53	✗
7 033 66 020				✗	-	-	✗
7 033 66 017	 ANSI B 5.50/ CAT 50 inch	230	60	✓	60	53	✓
7 033 66 028				✓	60	53	✗
7 033 66 016				✗	-	-	✗

note: support optional!

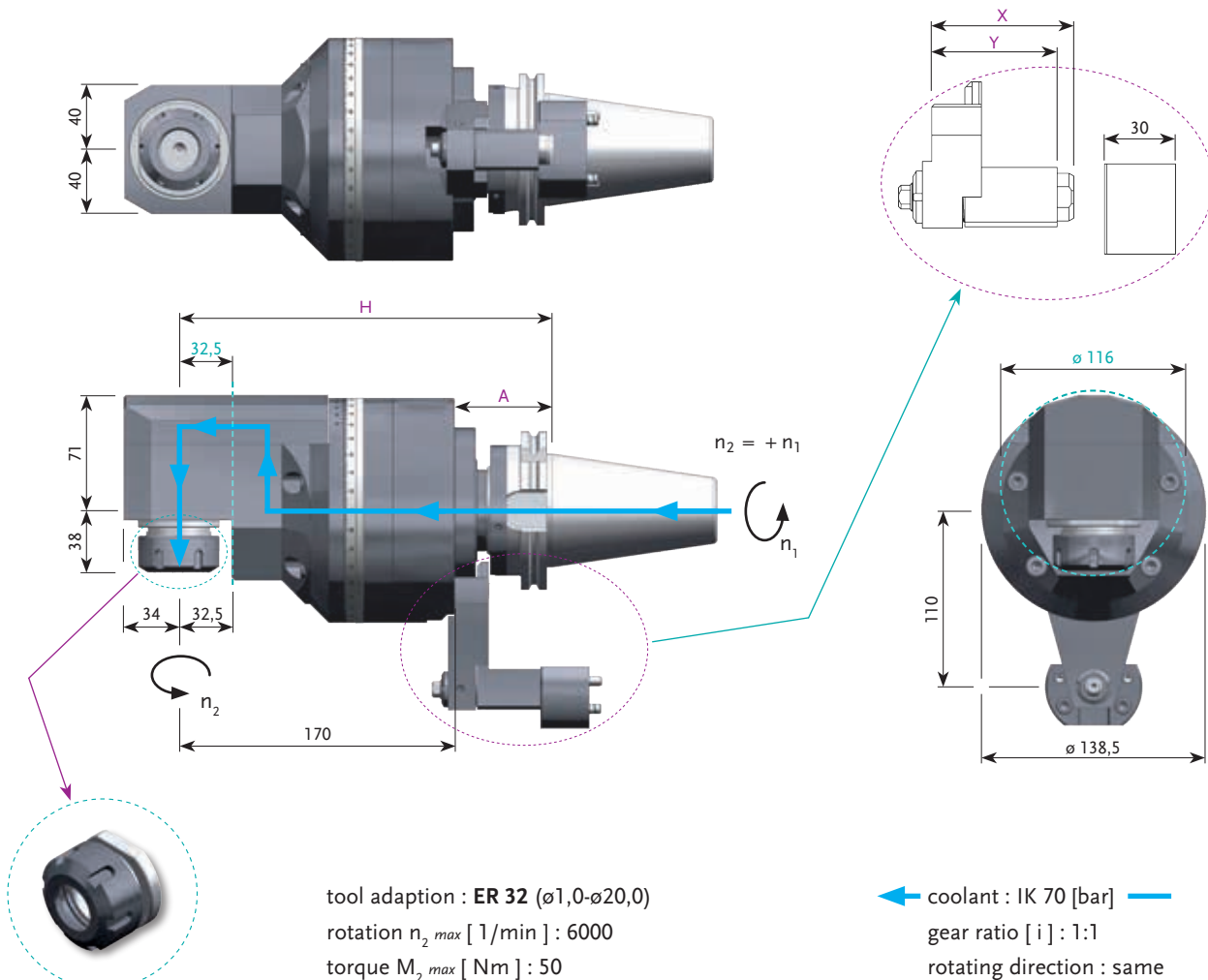
✗ = not included in delivery
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Dim. **X** = end face fixing bolt / gauge line of the housing
Dim. **Y** = locking device / gauge line of the housing

► further versions on request

► Angle Heads

360° turnable



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 66 025	 DIN 69871 A - SK 50	230	60	✓	60	53	✓
7 033 66 032				✓	60	53	✗
7 033 66 024				✗	-	-	✗
7 033 76 004	 DIN 69893 - HSK 100 A	240	70	✓	60	53	✓
7 033 76 007				✓	60	53	✗
7 033 76 003				✗	-	-	✗
7 033 66 027	 MAS 403 BT 50	240	70	✓	60	53	✓
7 033 66 033				✓	60	53	✗
7 033 66 026				✗	-	-	✗
7 033 66 023	 ANSI B 5.50/ CAT 50 inch	230	60	✓	60	53	✓
7 033 66 031				✓	60	53	✗
7 033 66 022				✗	-	-	✗

note: support optional!

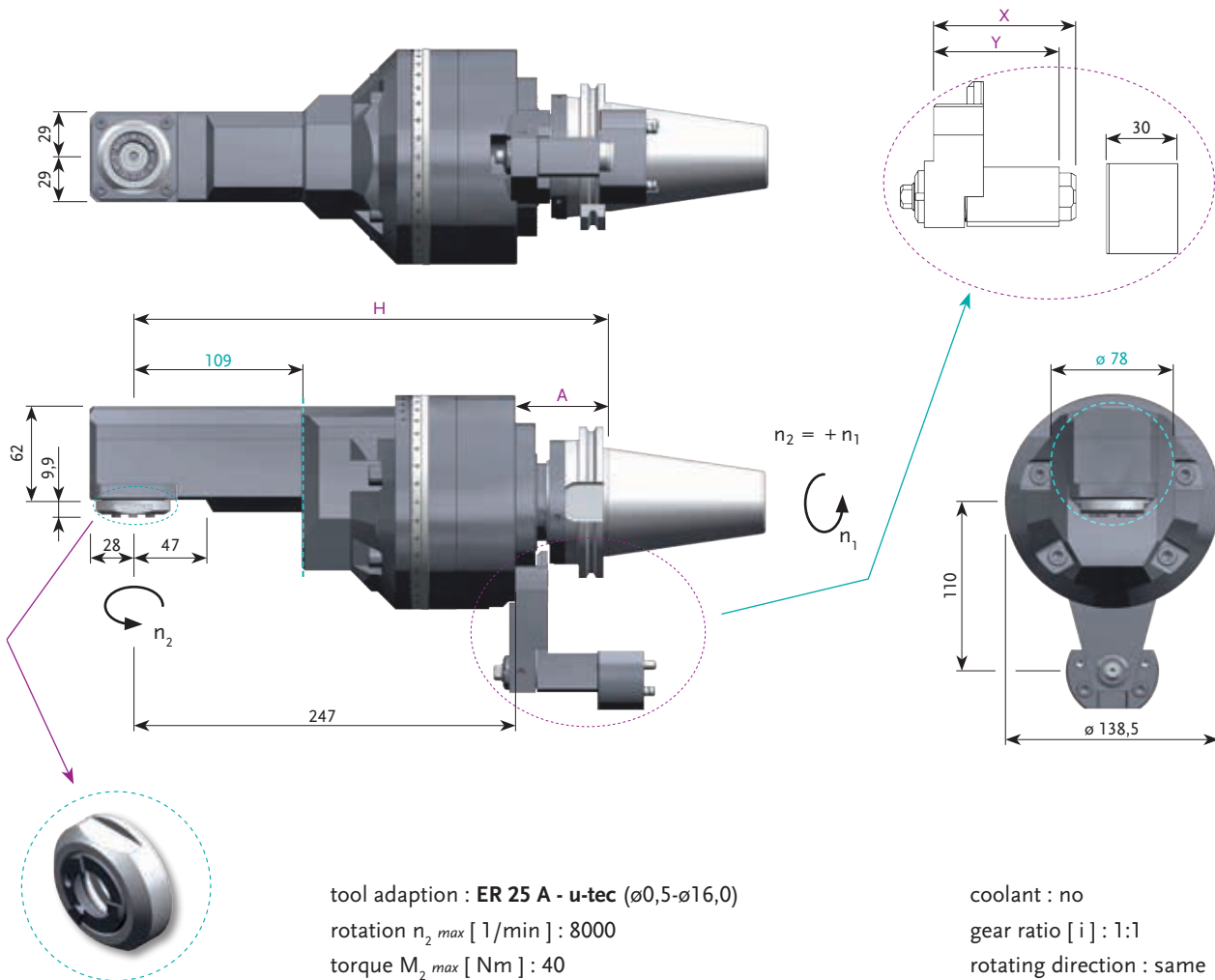
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✓ = included in delivery

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

360° turnable; long



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 65 004	 DIN 69871 A - SK 50	307	60	✓	60	53	✓
7 033 65 008				✓	60	53	✗
7 033 65 003				✗	-	-	✗
7 033 75 001	 DIN 69893 - HSK 100 A	317	70	✓	60	53	✓
7 033 75 002				✓	60	53	✗
7 033 75 000				✗	-	-	✗
7 033 65 006	 MAS 403 BT 50	317	70	✓	60	53	✓
7 033 65 009				✓	60	53	✗
7 033 65 005				✗	-	-	✗
7 033 65 002	 ANSI B 5.50/ CAT 50 inch	307	60	✓	60	53	✓
7 033 65 007				✓	60	53	✗
7 033 65 001				✗	-	-	✗

note: support optional!

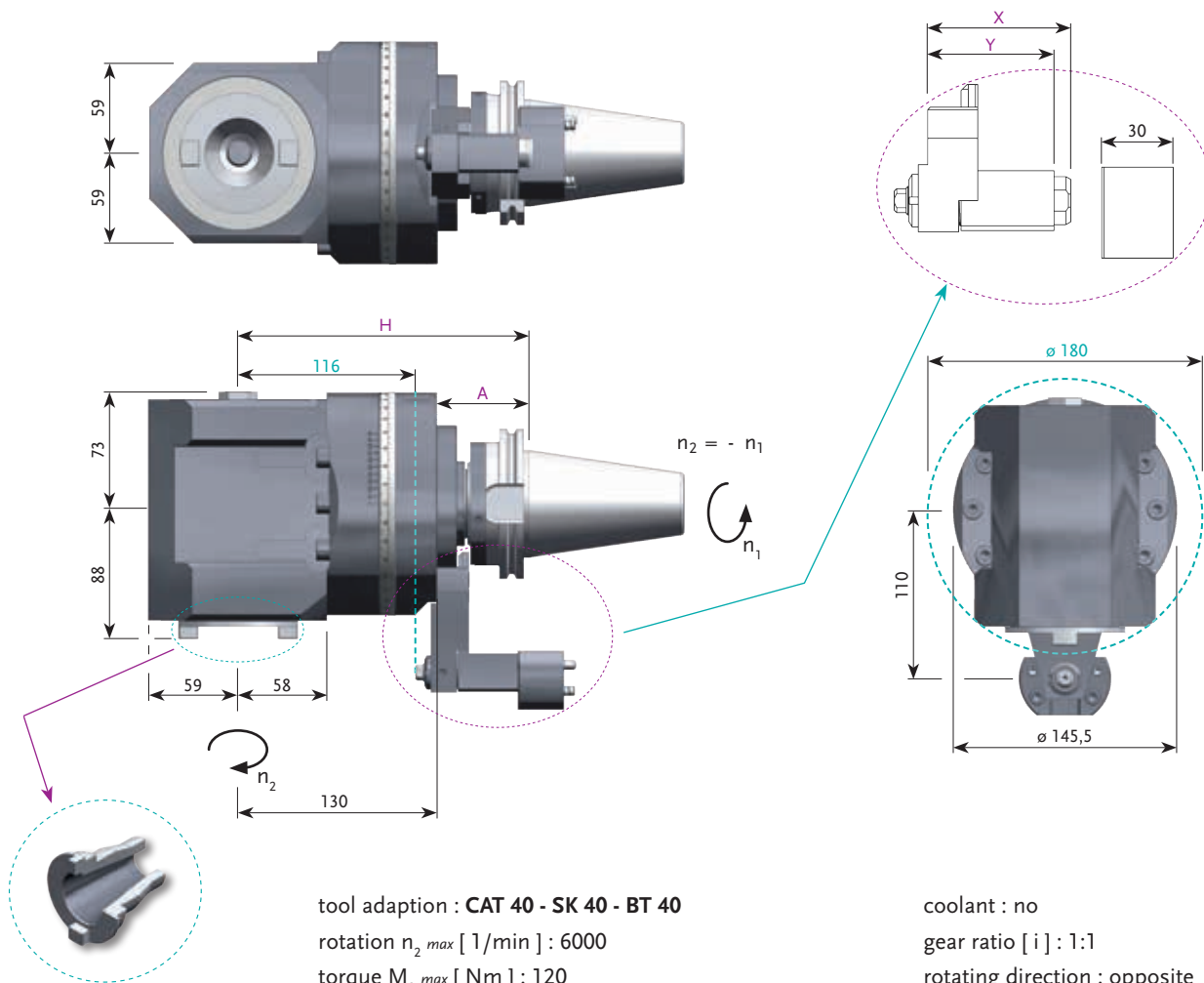
✗ = not included in delivery
✓ = included in delivery

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 67 067	 DIN 69871 A - SK 50	190	60	✓	60	53	✓
7 030 67 086				✓	60	53	✗
7 030 67 066				✗	-	-	✗
7 030 77 011	 DIN 69893 - HSK 100 A	200	70	✓	60	53	✓
7 030 77 016				✓	60	53	✗
7 030 77 010				✗	-	-	✗
7 030 67 068	 MAS 403 BT 50	200	70	✓	60	53	✓
7 030 67 087				✓	60	53	✗
7 030 67 041				✗	-	-	✗
7 030 67 043	 ANSI B 5.50/ CAT 50 inch	190	60	✓	60	53	✓
7 030 67 085				✓	60	53	✗
7 030 67 065				✗	-	-	✗

note: support optional!

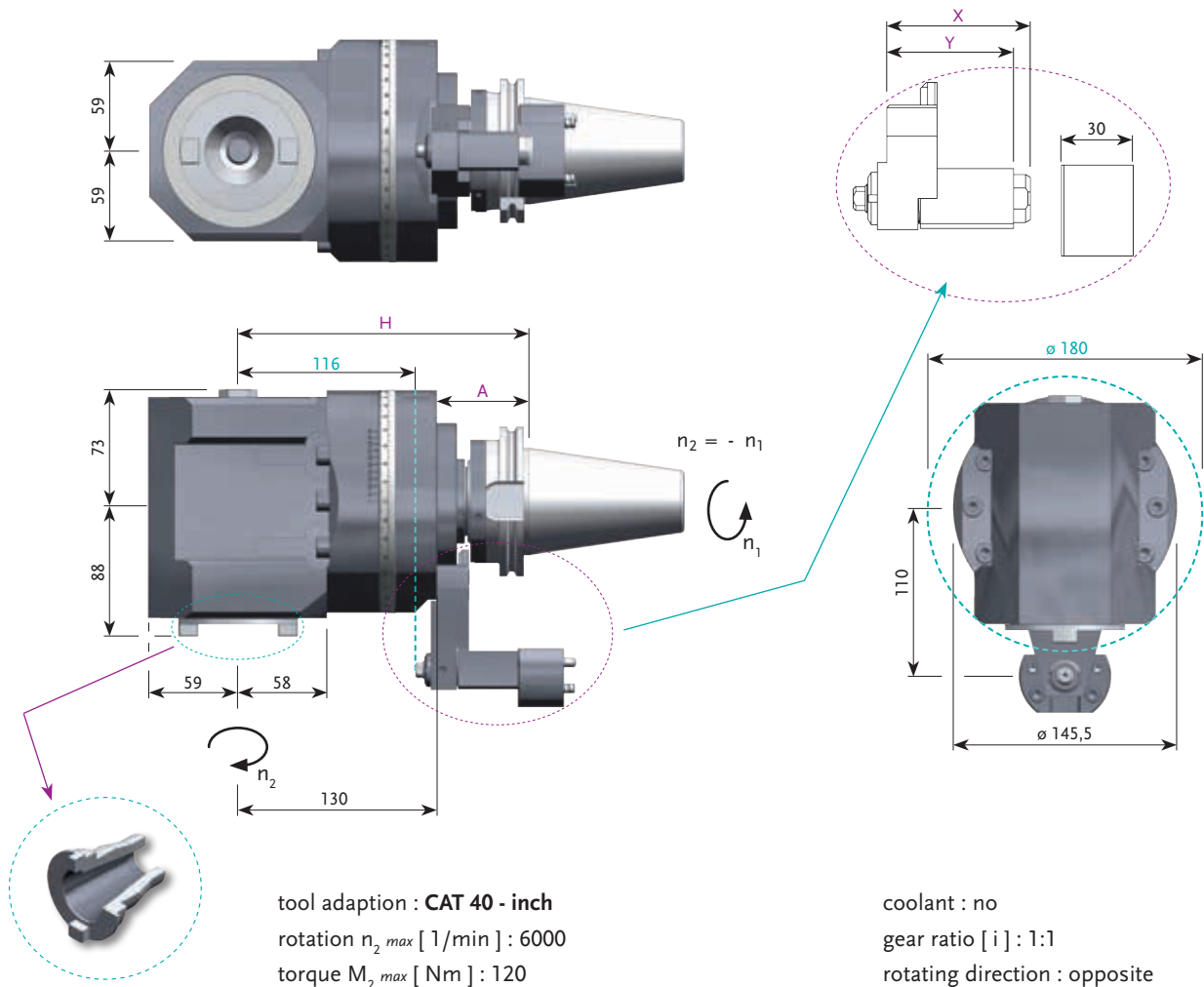
✗ = not included in delivery
✓ = included in delivery

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 67 097	 DIN 69871 A - SK 50	190	60	✓	60	53	✓
7 030 67 096				✓	60	53	✗
7 030 67 095				✗	-	-	✗
7 030 77 019	 DIN 69893 - HSK 100 A	200	70	✓	60	53	✓
7 030 77 018				✓	60	53	✗
7 030 77 017				✗	-	-	✗
7 030 67 094	 MAS 403 BT 50	200	70	✓	60	53	✓
7 030 67 093				✓	60	53	✗
7 030 67 092				✗	-	-	✗
7 030 67 091	 ANSI B 5.50/ CAT 50 inch	190	60	✓	60	53	✓
7 030 67 090				✓	60	53	✗
7 030 67 069				✗	-	-	✗

note: support optional!

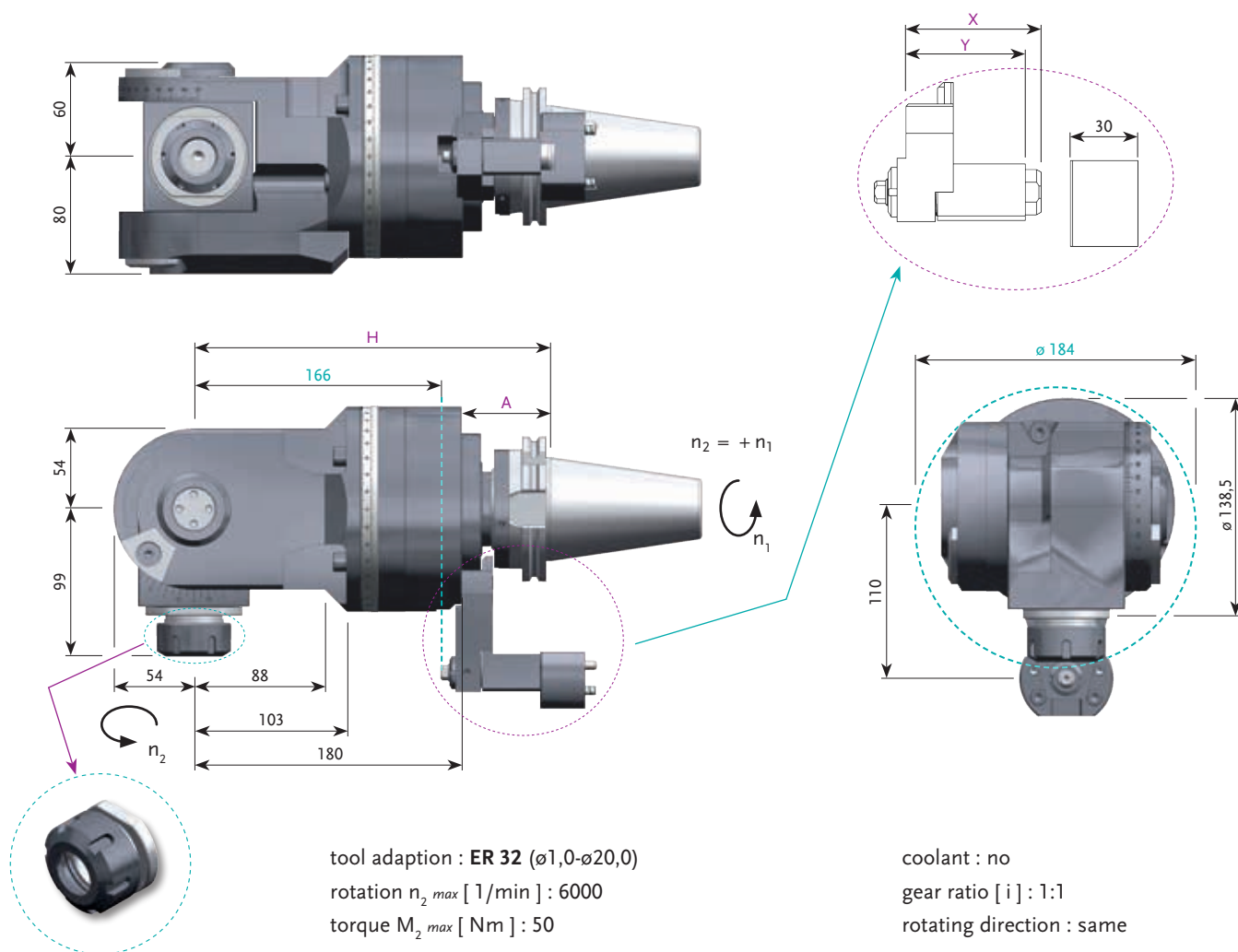
✗ = not included in delivery
✓ = included in delivery

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 $\pm 90^\circ$ adjustable

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]	
7 040 66 008	 DIN 69871 A - SK 50	240	60		60	53	
7 040 66 012					60	53	
7 040 66 007					-	-	
7 040 76 001	 DIN 69893 - HSK 100 A	250	70		60	53	
7 040 76 002					60	53	
7 040 76 000					-	-	
7 040 66 010	 MAS 403 BT 50	250	70		60	53	
7 040 66 013					60	53	
7 040 66 009					-	-	
7 040 66 006	 ANSI B 5.50/ CAT 50 inch	240	60		60	53	
7 040 66 011					60	53	
7 040 66 005					-	-	

note: support optional!

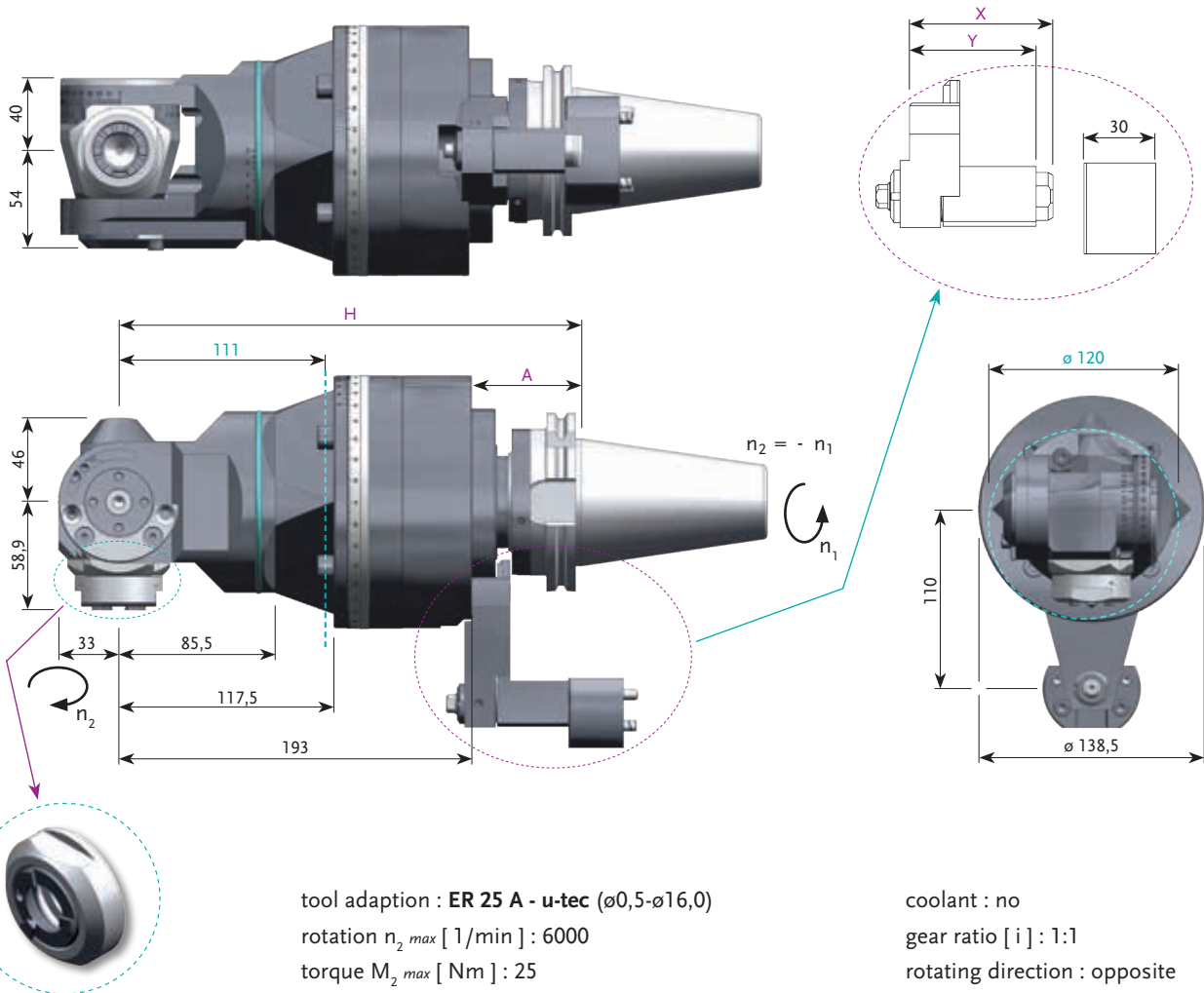
- ✗ = not included in delivery
- ✓ = included in delivery

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 $\pm 90^\circ$ adjustable

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]	
7 040 65 007	 DIN 69871 A - SK 50	253	60	✓	60	53	✓
7 040 65 011				✓	60	53	✗
7 040 65 006				✗	-	-	✗
7 040 75 001	 DIN 69893 - HSK 100 A	263	70	✓	60	53	✓
7 040 75 003				✓	60	53	✗
7 040 75 000				✗	-	-	✗
7 040 65 009	 MAS 403 BT 50	263	70	✓	60	53	✓
7 040 65 012				✓	60	53	✗
7 040 65 008				✗	-	-	✗
7 040 65 005	 ANSI B 5.50/ CAT 50 inch	253	60	✓	60	53	✓
7 040 65 010				✓	60	53	✗
7 040 65 004				✗	-	-	✗

note: support optional!

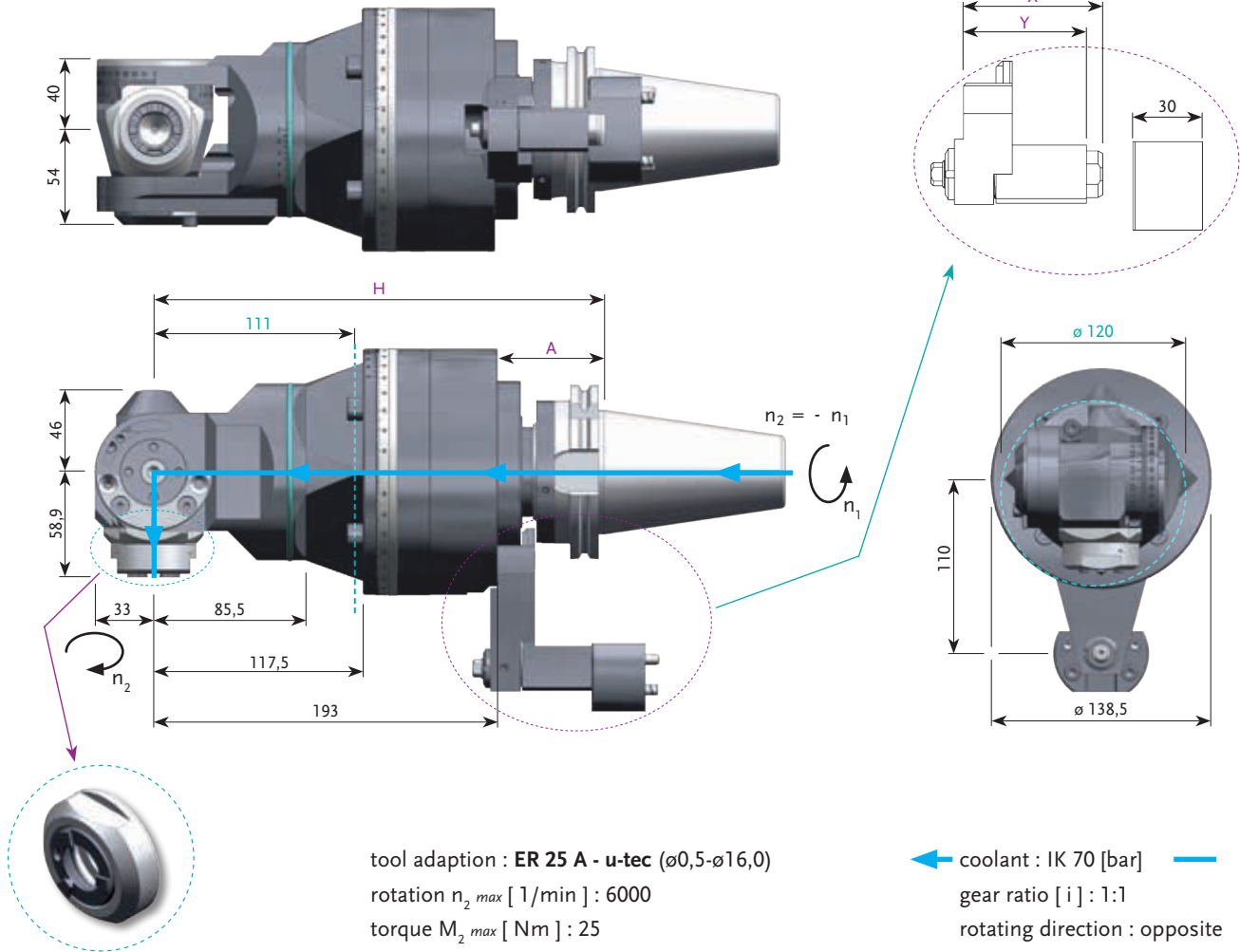
✗ = not included in delivery
✓ = included in delivery

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 $\pm 90^\circ$ adjustable

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]	
7 040 65 021	 DIN 69871 A - SK 50	253	60	✓	60	53	✓
7 040 65 020				✓	60	53	✗
7 040 65 019				✗	-	-	✗
7 040 75 006	 DIN 69893 - HSK 100 A	263	70	✓	60	53	✓
7 040 75 005				✓	60	53	✗
7 040 75 004				✗	-	-	✗
7 040 65 002	 MAS 403 BT 50	263	70	✓	60	53	✓
7 040 65 015				✓	60	53	✗
7 040 65 014				✗	-	-	✗
7 040 65 018	 ANSI B 5.50/ CAT 50 inch	253	60	✓	60	53	✓
7 040 65 017				✓	60	53	✗
7 040 65 016				✗	-	-	✗

note: support optional!

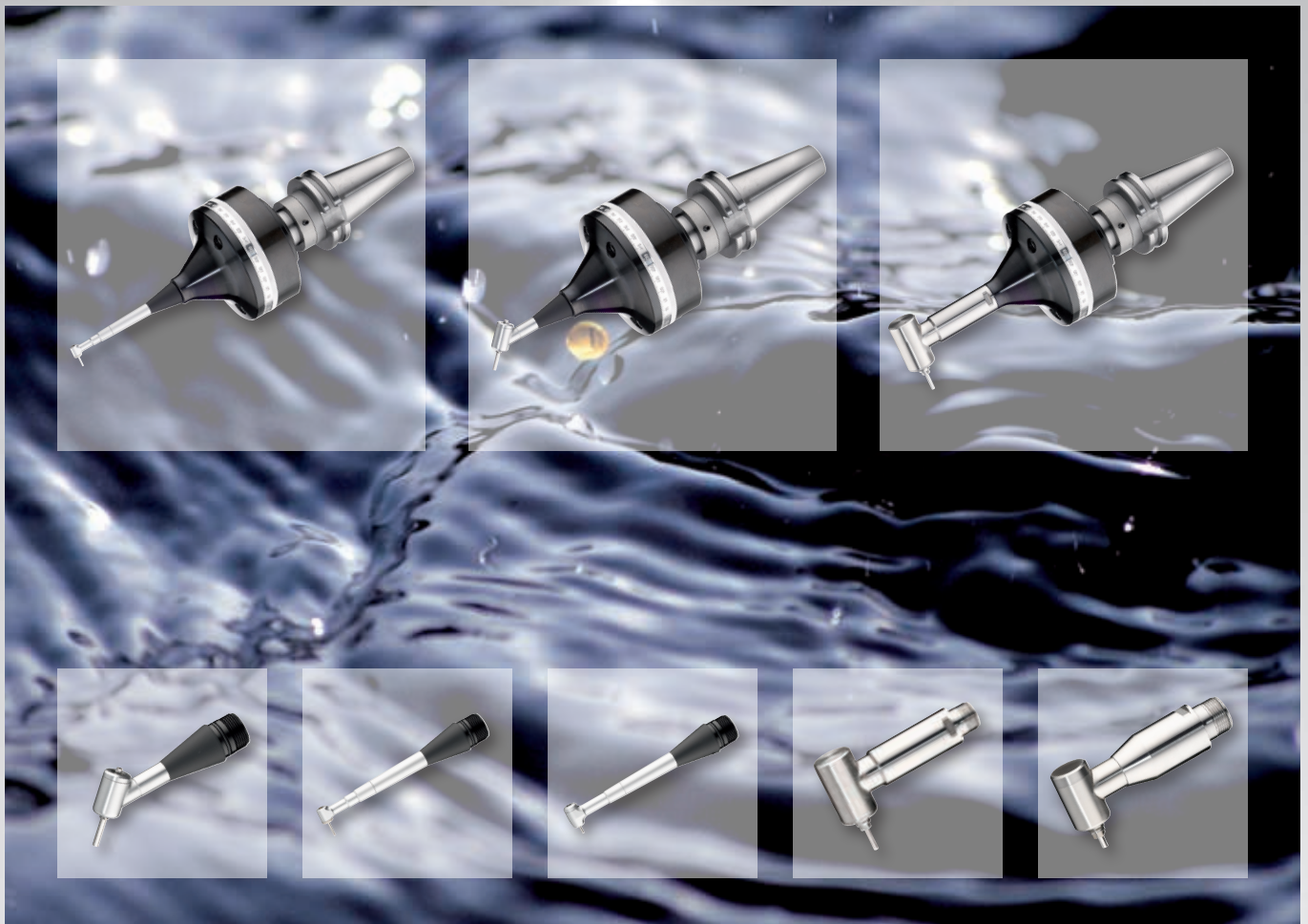
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Dim. X = end face fixing bolt / gauge line of the housing
Dim. Y = locking device / gauge line of the housing

► further versions on request

Machining Center Angle Heads

slim



► **Angle Heads line slim**

For special machining tasks with strict geometric constraints. Offset output to maximize the usable tool length and allows plunging operations.



- Angle Heads **MFC 300 M / 90°**
360° turnable, no splash-protection
max. plunging diameter Ø 12,0 mm



- Angle Heads **MFC 300 S / 90°**
360° turnable, no splash-protection
max. plunging diameter Ø 16,0 mm



- Angle Heads **IC 300 / 90°**
360° turnable, no splash-protection
max. plunging diameter Ø 24,0 mm



- Angle Heads **KC 300 / 45°**
360° turnable, no splash-protection
max. plunging diameter Ø 22,0 mm
to work under 45°



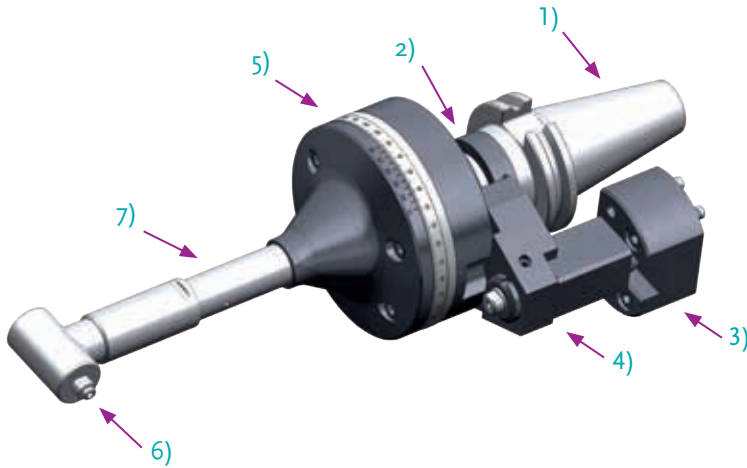
- Angle Heads **RA 200 / 90°**
360° turnable
max. plunging diameter Ø 38,0 mm



- Angle Heads **RA 100 / 90°**
360° turnable
max. plunging diameter Ø 51,0 mm

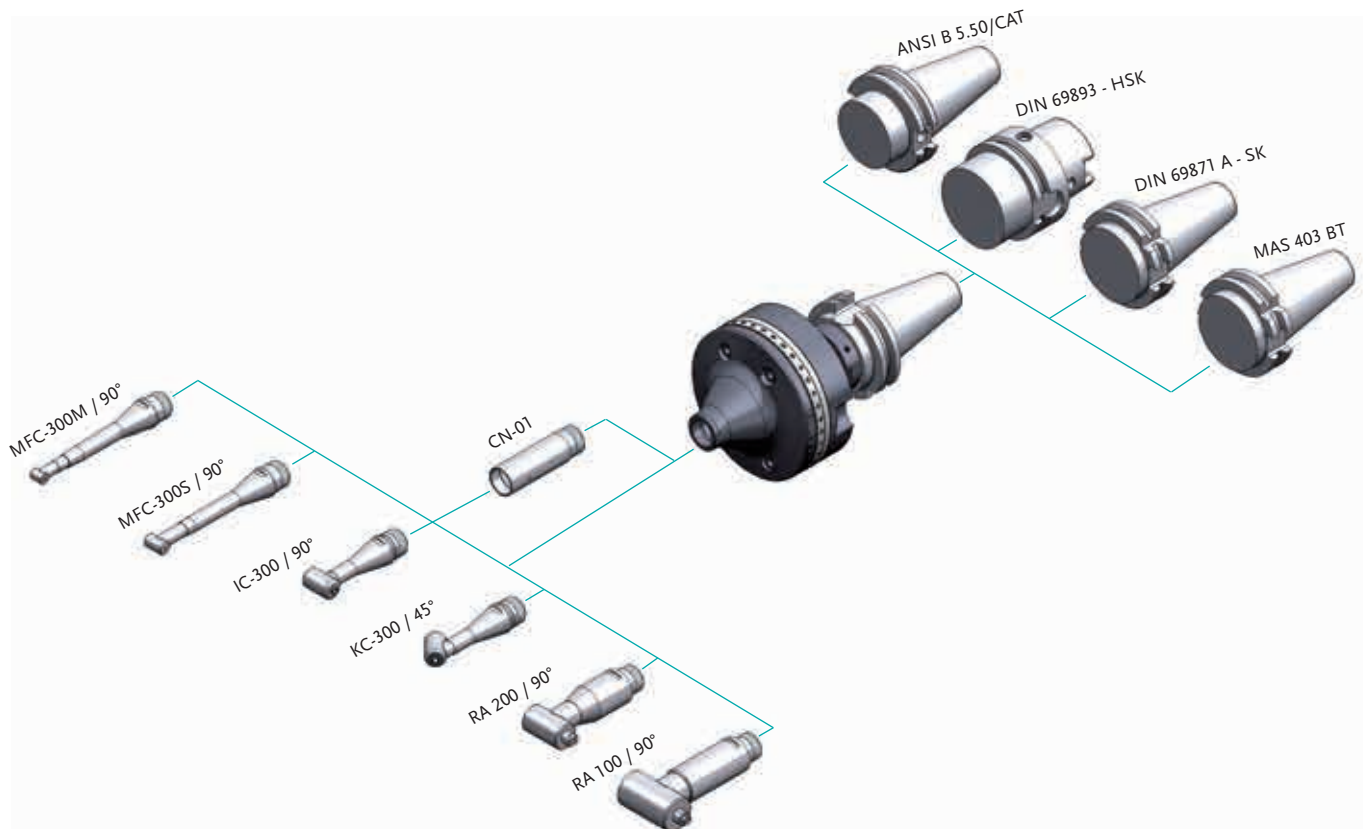


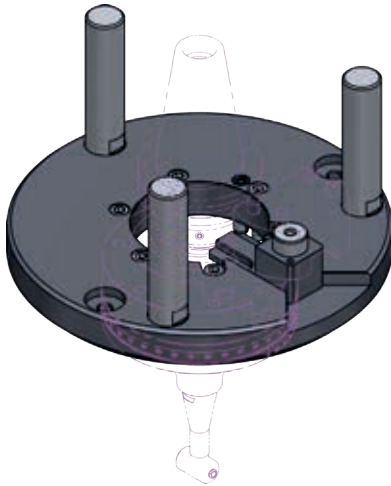
► features and overview



- 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 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) **Adapter / extension**
45/90° angle possibilities, depending on the required use.

► combinations



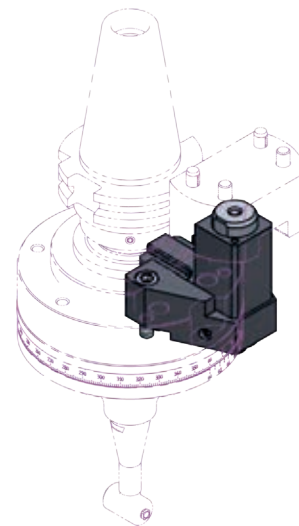


► **Support flange with integrated torque arm**

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.

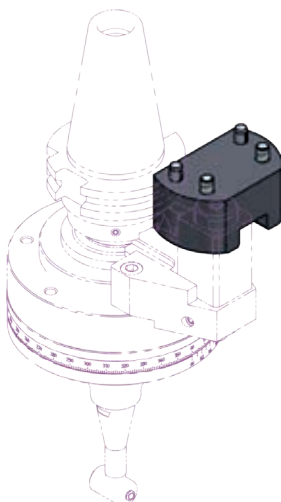
► **Torque arm**

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.



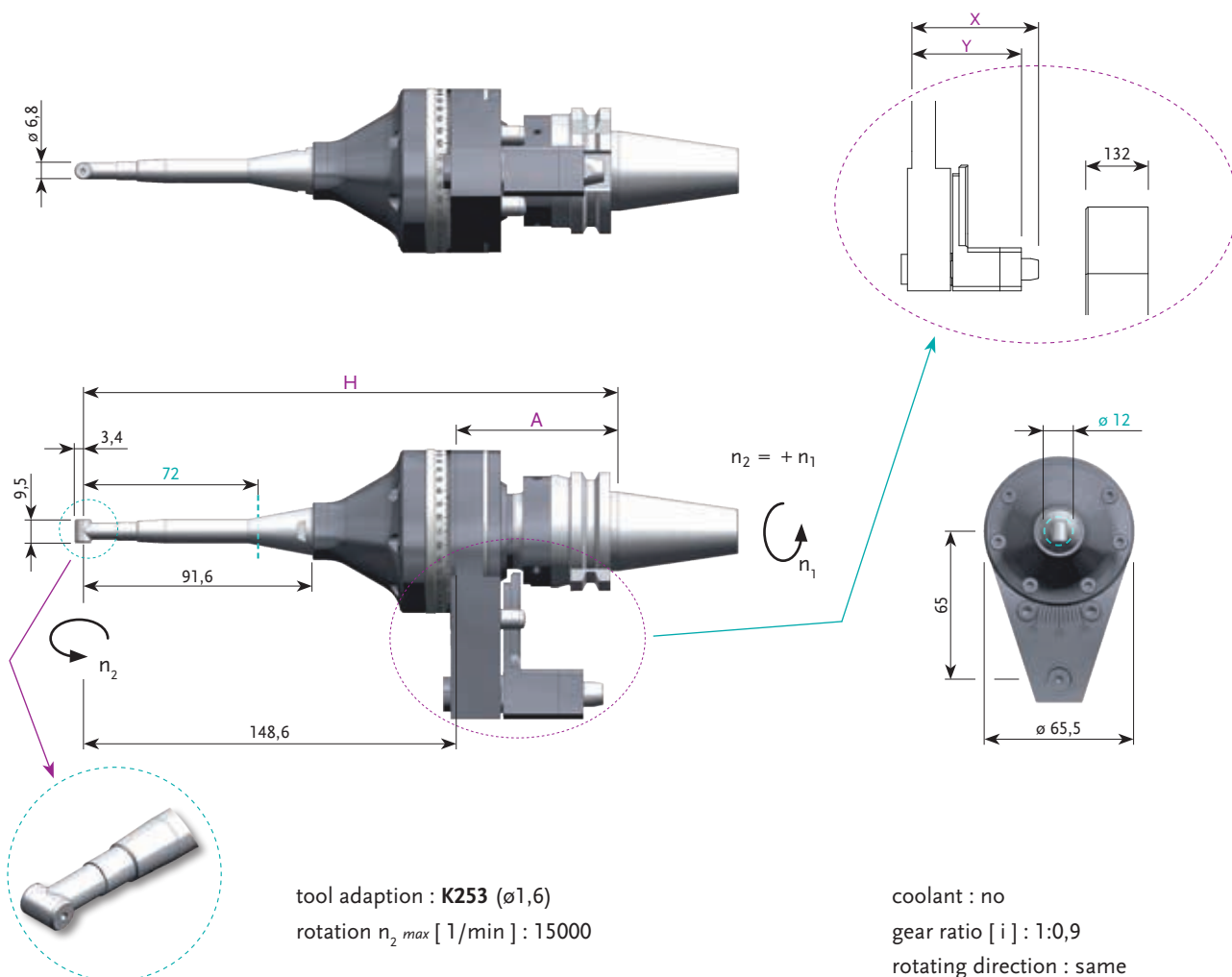
Angle Heads



size 3

► Angle Heads

360° turnable, no splash-protection



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 21 002	 DIN 69871 A - SK 30	213,6	65	✓	59	51	✓
7 030 21 022				✓	59	51	✗
7 030 21 042				✗	-	-	✗
7 030 31 002	 DIN 69893 - HSK 40 A	221,6	73	✓	59	51	✓
7 030 31 012				✓	59	51	✗
7 030 31 022				✗	-	-	✗
7 030 21 012	 MAS 403 BT 30	213,6	65	✓	59	51	✓
7 030 21 032				✓	59	51	✗
7 030 21 052				✗	-	-	✗

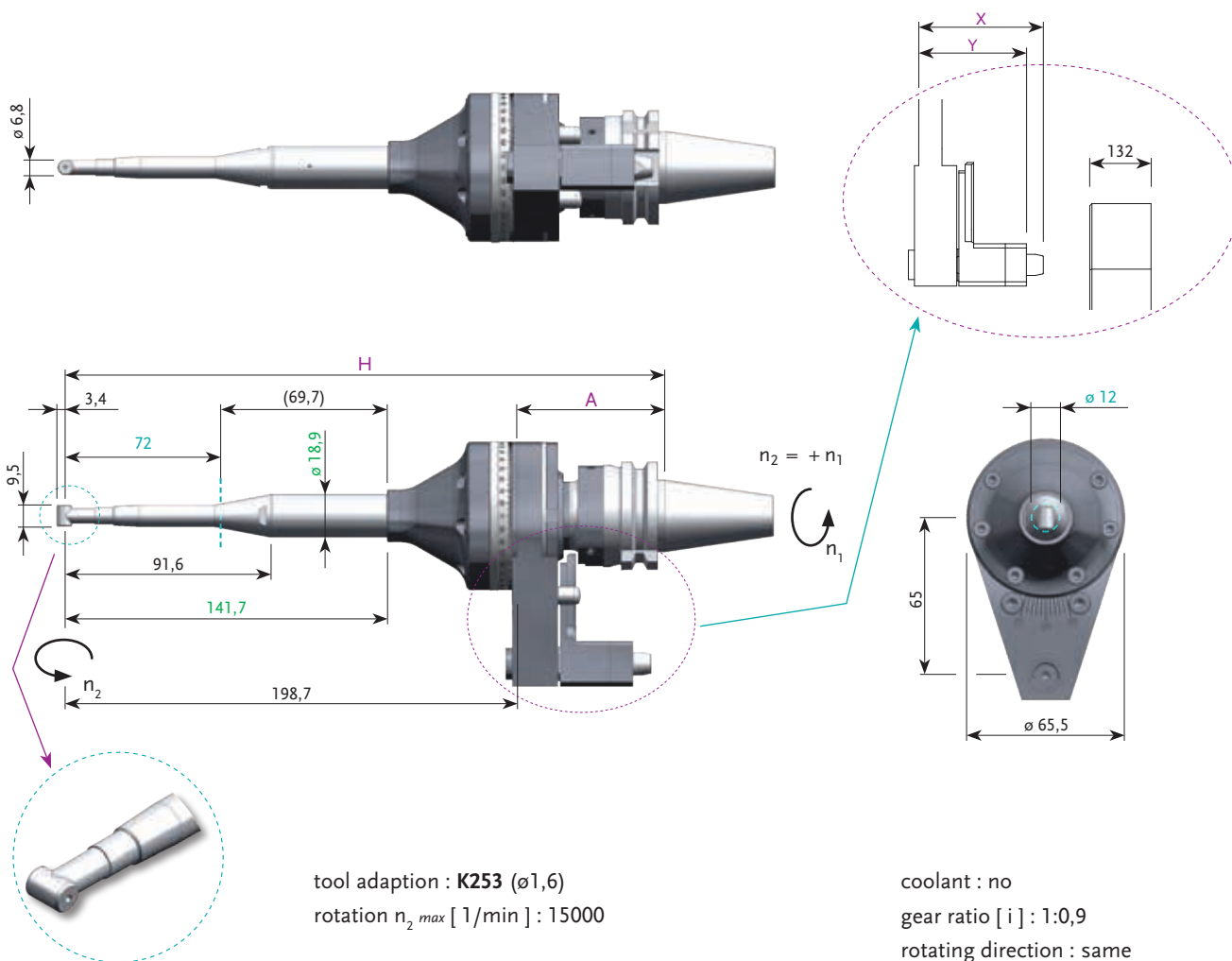
note: support optional!

✗ = 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, no splash-protection



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 21 007	 DIN 69871 A - SK 30	263,7	65	✓	59	51	✓
7 030 21 027				✓	59	51	✗
7 030 21 047				✗	-	-	✗
7 030 31 007	 DIN 69893 - HSK 40 A	271,7	73	✓	59	51	✓
7 030 31 017				✓	59	51	✗
7 030 31 027				✗	-	-	✗
7 030 21 017	 MAS 403 BT 30	263,7	65	✓	59	51	✓
7 030 21 037				✓	59	51	✗
7 030 21 057				✗	-	-	✗

note: support optional!

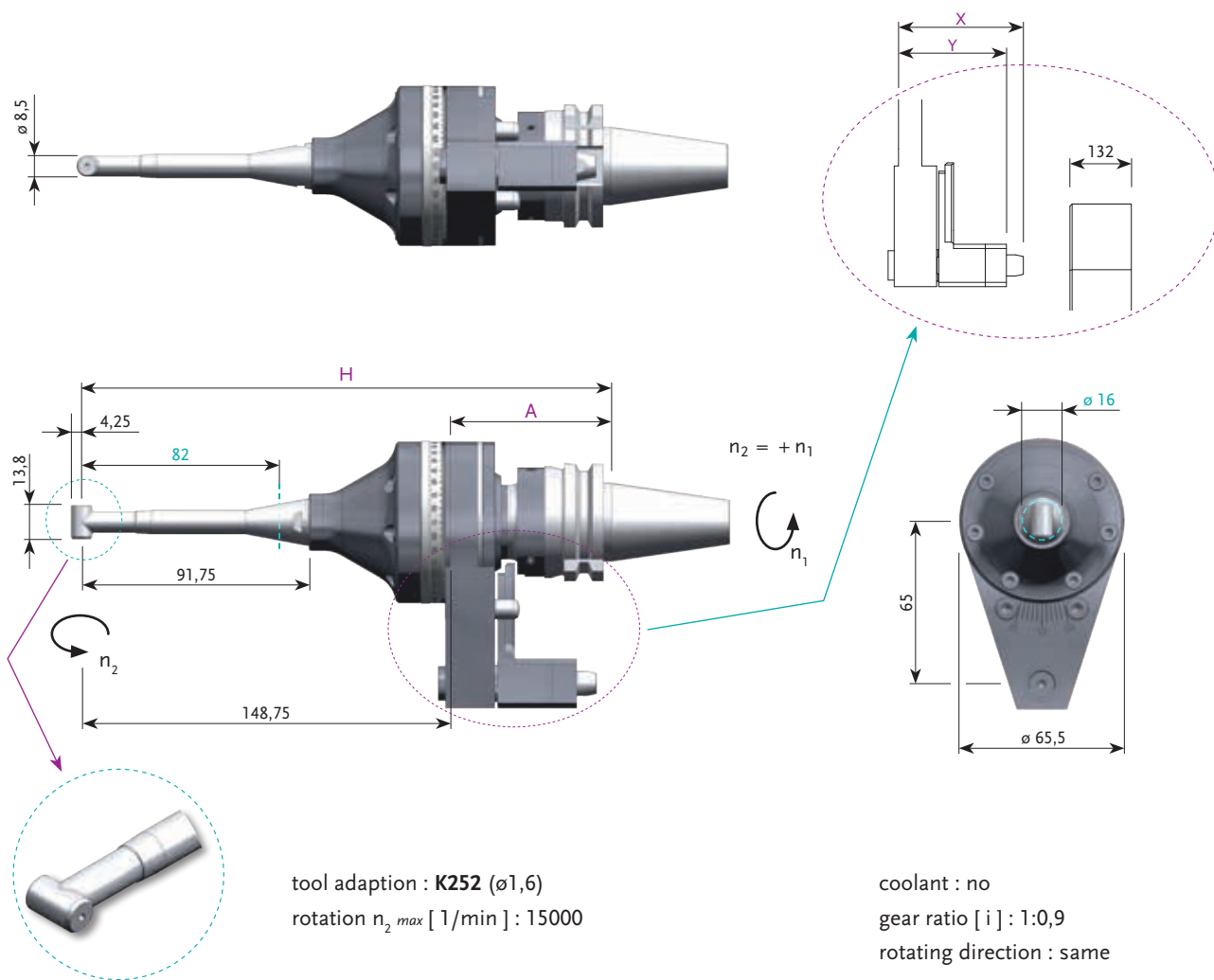
✗ = not included in delivery
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Dim. **X** = end face fixing bolt / gauge line of the housing
Dim. **Y** = locking device / gauge line of the housing

► further versions on request

► Angle Heads

360° turnable, no splash-protection



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 21 001	 DIN 69871 A - SK 30	213,75	65	✓	59	51	✓
7 030 21 021				✓	59	51	✗
7 030 21 041				✗	-	-	✗
7 030 31 001	 DIN 69893 - HSK 40 A	221,75	73	✓	59	51	✓
7 030 31 011				✓	59	51	✗
7 030 31 021				✗	-	-	✗
7 030 21 011	 MAS 403 BT 30	213,75	65	✓	59	51	✓
7 030 21 031				✓	59	51	✗
7 030 21 051				✗	-	-	✗

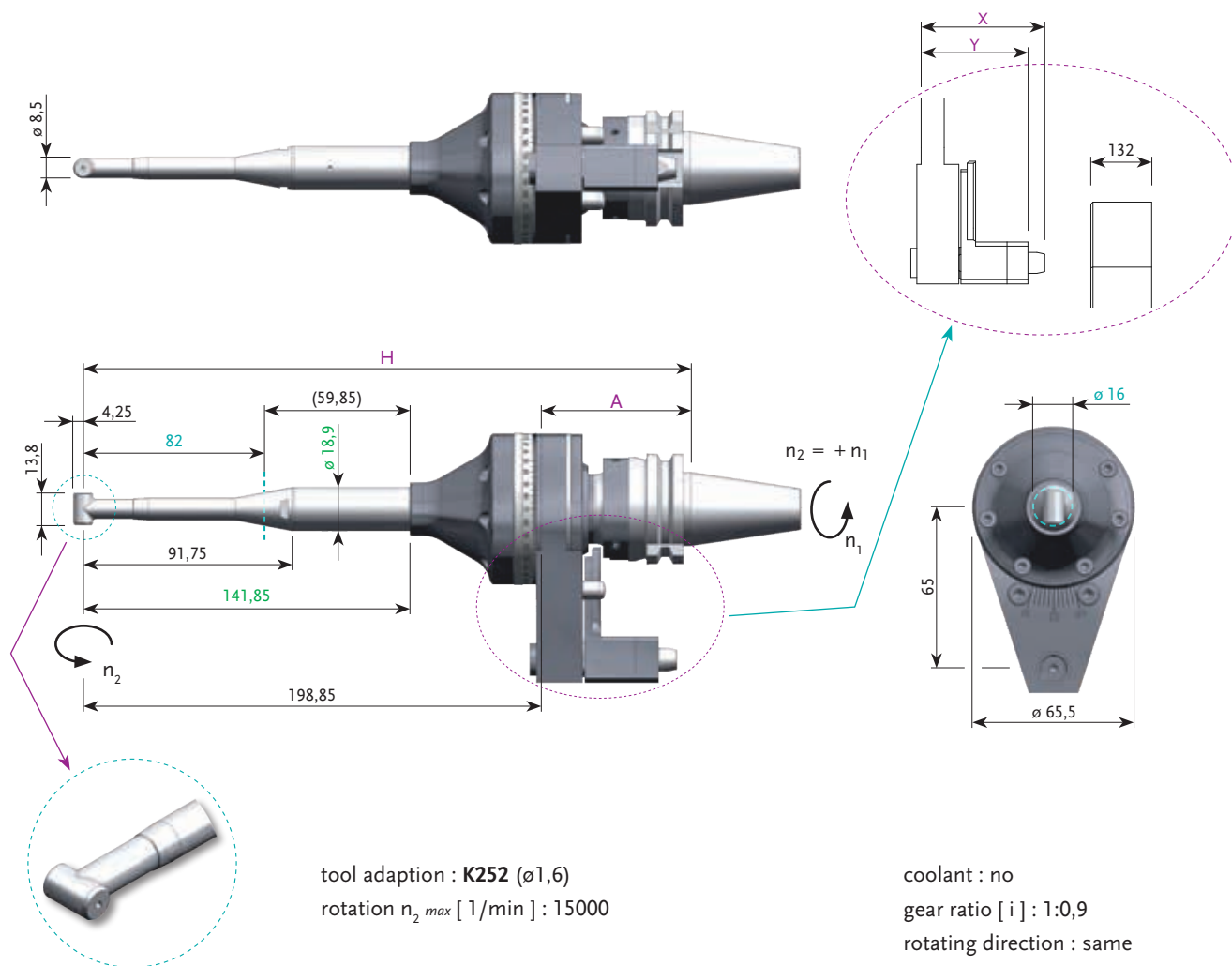
note: support optional!

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Dim. Y = locking device / gauge line of the housing

► further versions on request

► Angle Heads

360° turnable, no splash-protection



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 21 006	 DIN 69871 A - SK 30	263,85	65		59	51	
7 030 21 026					59	51	
7 030 21 046					-	-	
7 030 31 006	 DIN 69893 - HSK 40 A	271,85	73		59	51	
7 030 31 016					59	51	
7 030 31 026					-	-	
7 030 21 016	 MAS 403 BT 30	263,85	65		59	51	
7 030 21 036					59	51	
7 030 21 056					-	-	

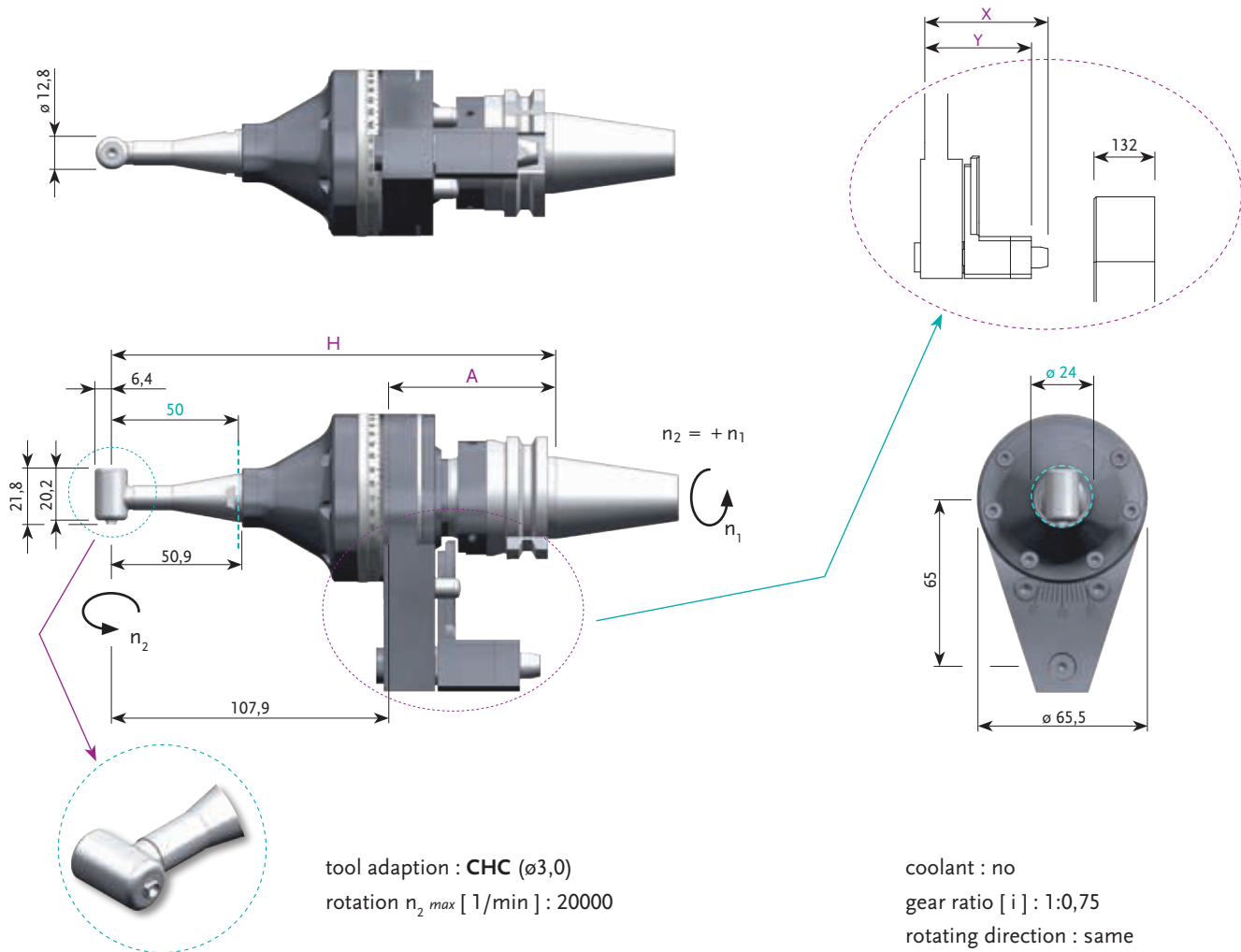
note: support optional!

✖ = 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, no splash-protection



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 21 000	 DIN 69871 A - SK 30	172,9	65	✓	59	51	✓
7 030 21 020				✓	59	51	✗
7 030 21 040				✗	-	-	✗
7 030 31 000	 DIN 69893 - HSK 40 A	180,9	73	✓	59	51	✓
7 030 31 010				✓	59	51	✗
7 030 31 020				✗	-	-	✗
7 030 21 010	 MAS 403 BT 30	172,9	65	✓	59	51	✓
7 030 21 030				✓	59	51	✗
7 030 21 050				✗	-	-	✗

note: support optional!

✗ = not included in delivery

✓ = included in delivery

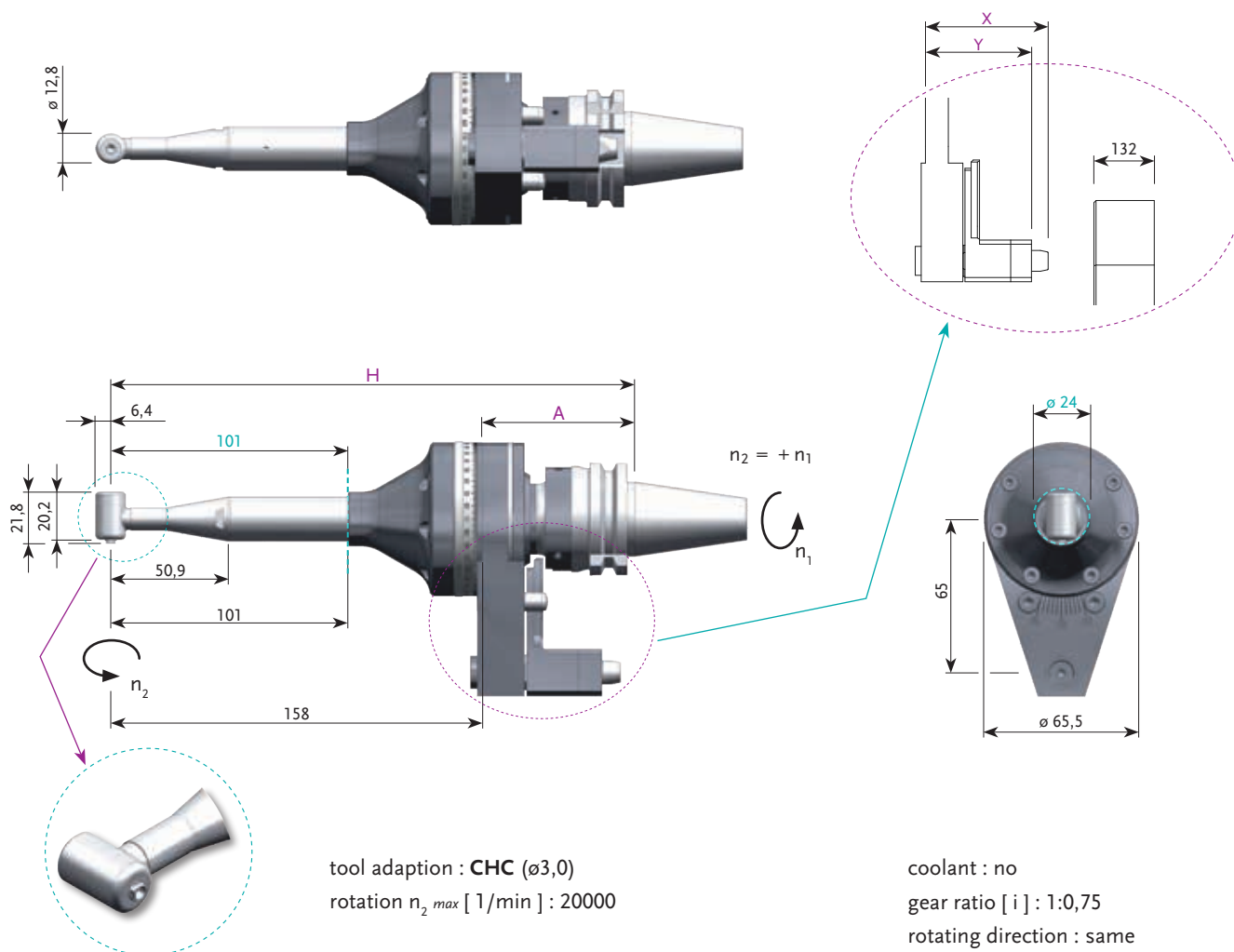
Dim. X = end face fixing bolt / gauge line of the housing

Dim. Y = locking device / gauge line of the housing

► further versions on request

► Angle Heads

360° turnable, no splash-protection



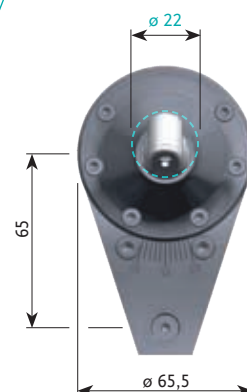
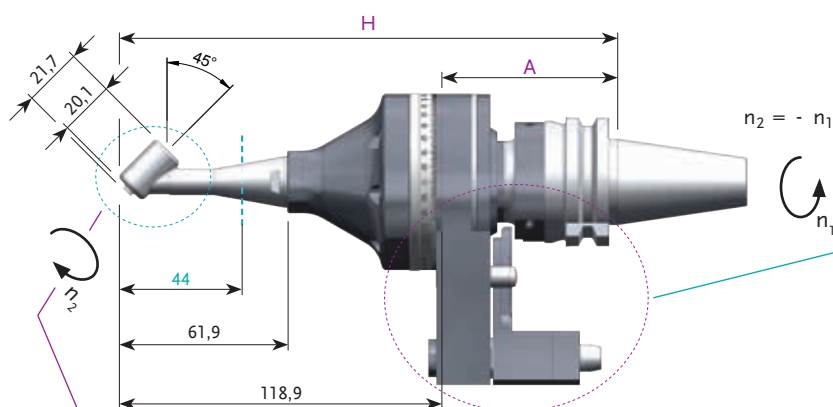
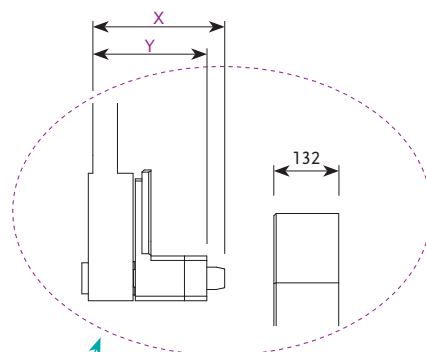
ref.-no.	machine adaption	center distance H [mm]	gauge line of housing A [mm]	torque arm			stop-block
					Dim. X [mm]	Dim. Y [mm]	
7 030 21 005	DIN 69871 A - SK 30	223	65	✓	59	51	✓
7 030 21 025				✓	59	51	✗
7 030 21 045				✗	-	-	✗
7 030 31 005	DIN 69893 - HSK 40 A	231	73	✓	59	51	✓
7 030 31 015				✓	59	51	✗
7 030 31 025				✗	-	-	✗
7 030 21 015	MAS 403 BT 30	223	65	✓	59	51	✓
7 030 21 035				✓	59	51	✗
7 030 21 055				✗	-	-	✗

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



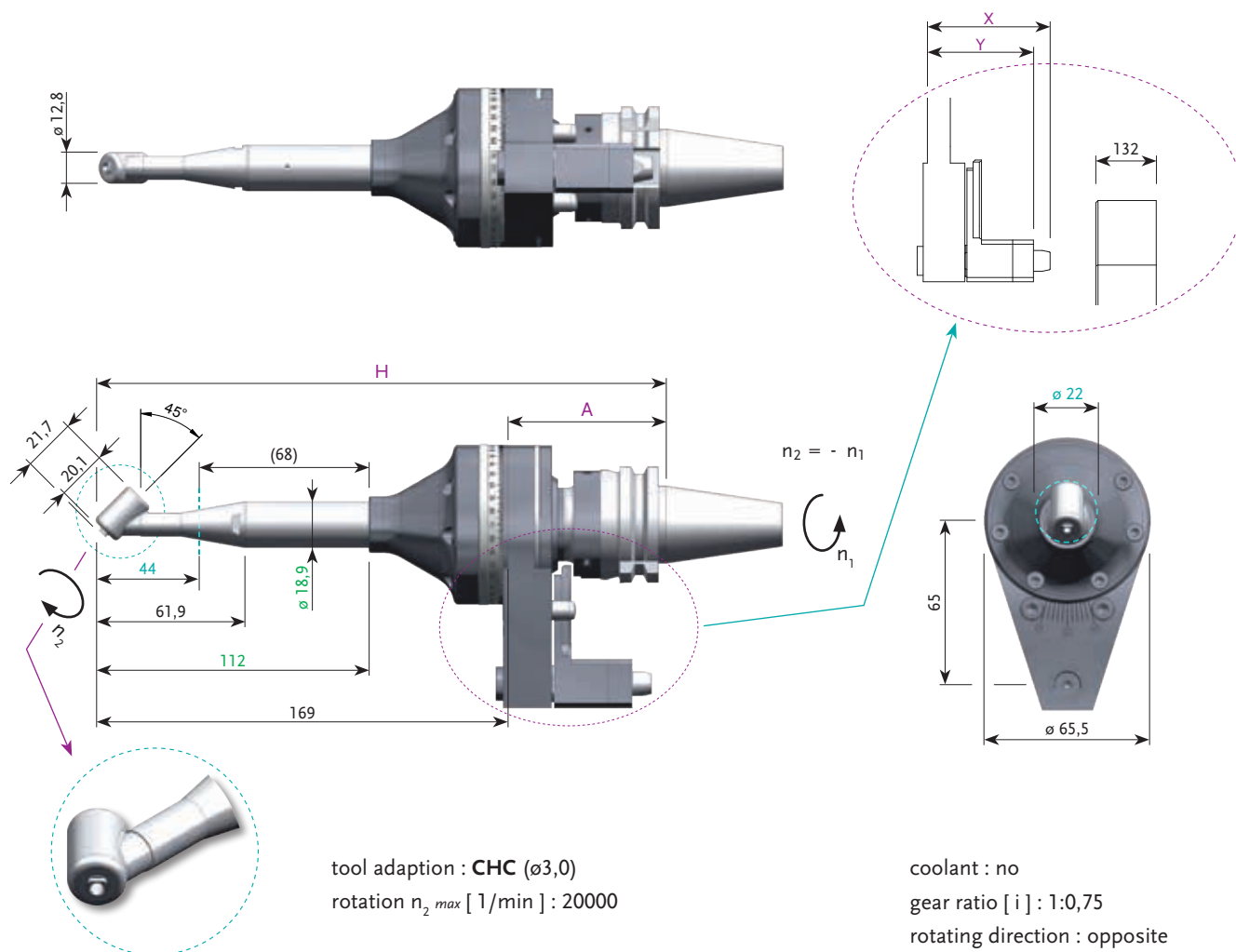
coolant : no
gear ratio [i] : 1:0,75
rotating direction : opposite

ref.-no.	machine adaption	center distance H [mm]	gauge line of housing A [mm]	torque arm			stop-block
					Dim. X [mm]	Dim. Y [mm]	
7 039 21 000	 DIN 69871 A - SK 30	183,9	65	✓	59	51	✓
7 039 21 004				✓	59	51	✗
7 039 21 008				✗	-	-	✗
7 039 31 000	 DIN 69893 - HSK 40 A	191,9	73	✓	59	51	✓
7 039 31 002				✓	59	51	✗
7 039 31 004				✗	-	-	✗
7 039 21 002	 MAS 403 BT 30	183,9	65	✓	59	51	✓
7 039 21 006				✓	59	51	✗
7 039 21 010				✗	-	-	✗

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

► Angle Heads

360° turnable, no splash-protection



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 21 001	DIN 69871 A - SK 30	234	65	✓	59	51	✓
7 039 21 005				✓	59	51	✗
7 039 21 009				✗	-	-	✗
7 039 31 001	DIN 69893 - HSK 40 A	242	73	✓	59	51	✓
7 039 31 003				✓	59	51	✗
7 039 31 005				✗	-	-	✗
7 039 21 003	MAS 403 BT 30	234	65	✓	59	51	✓
7 039 21 007				✓	59	51	✗
7 039 21 011				✗	-	-	✗

note: support optional!

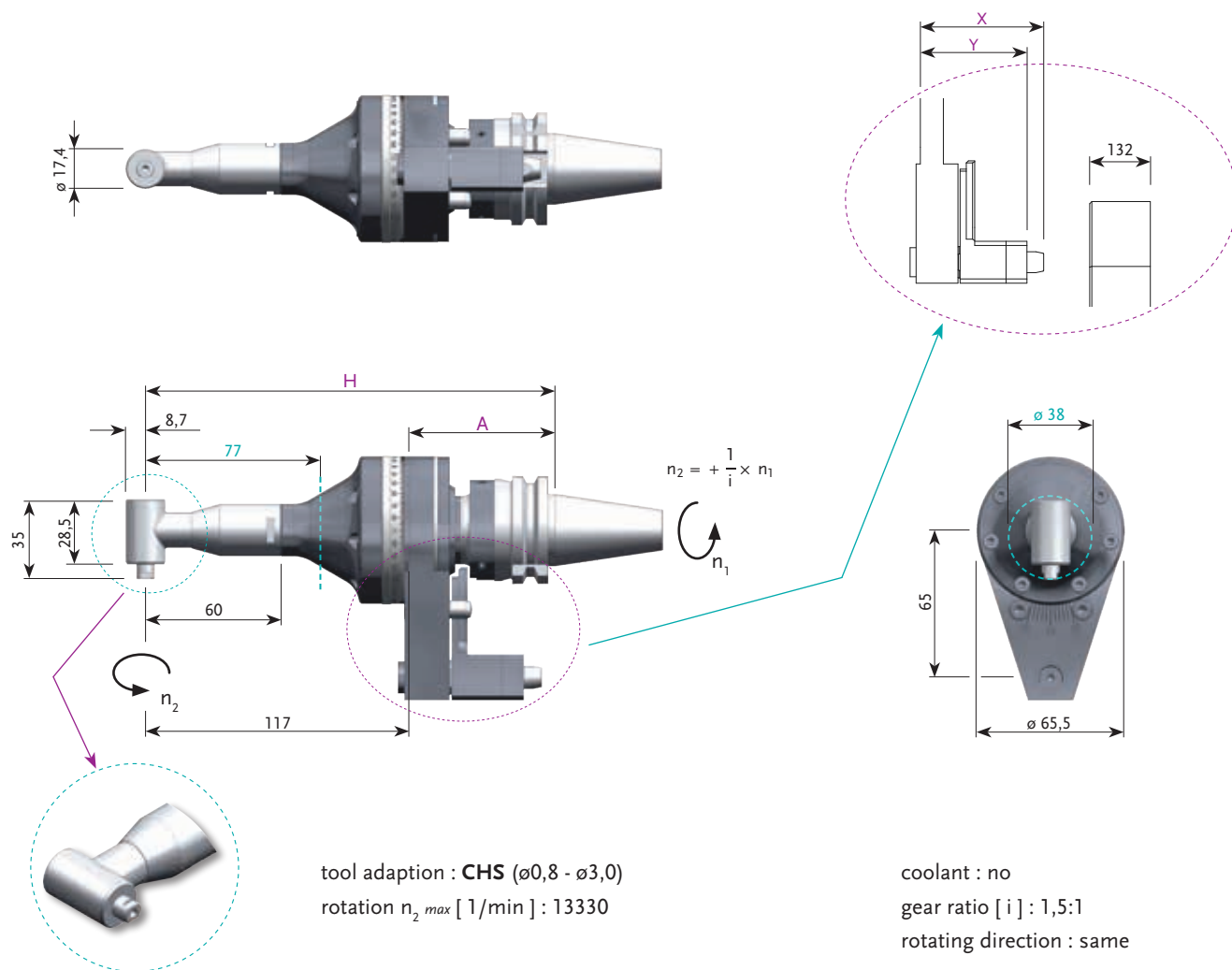
✗ = not included in delivery
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Dim. X = end face fixing bolt / gauge line of the housing
Dim. Y = locking device / gauge line of the housing

► further versions on request

► Angle Heads

360° turnable



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 21 003	 DIN 69871 A - SK 30	182	65	✓	59	51	✓
7 030 21 023				✓	59	51	✗
7 030 21 043				✗	-	-	✗
7 030 31 003	 DIN 69893 - HSK 40 A	190	73	✓	59	51	✓
7 030 31 013				✓	59	51	✗
7 030 31 023				✗	-	-	✗
7 030 21 013	 MAS 403 BT 30	182	65	✓	59	51	✓
7 030 21 033				✓	59	51	✗
7 030 21 053				✗	-	-	✗

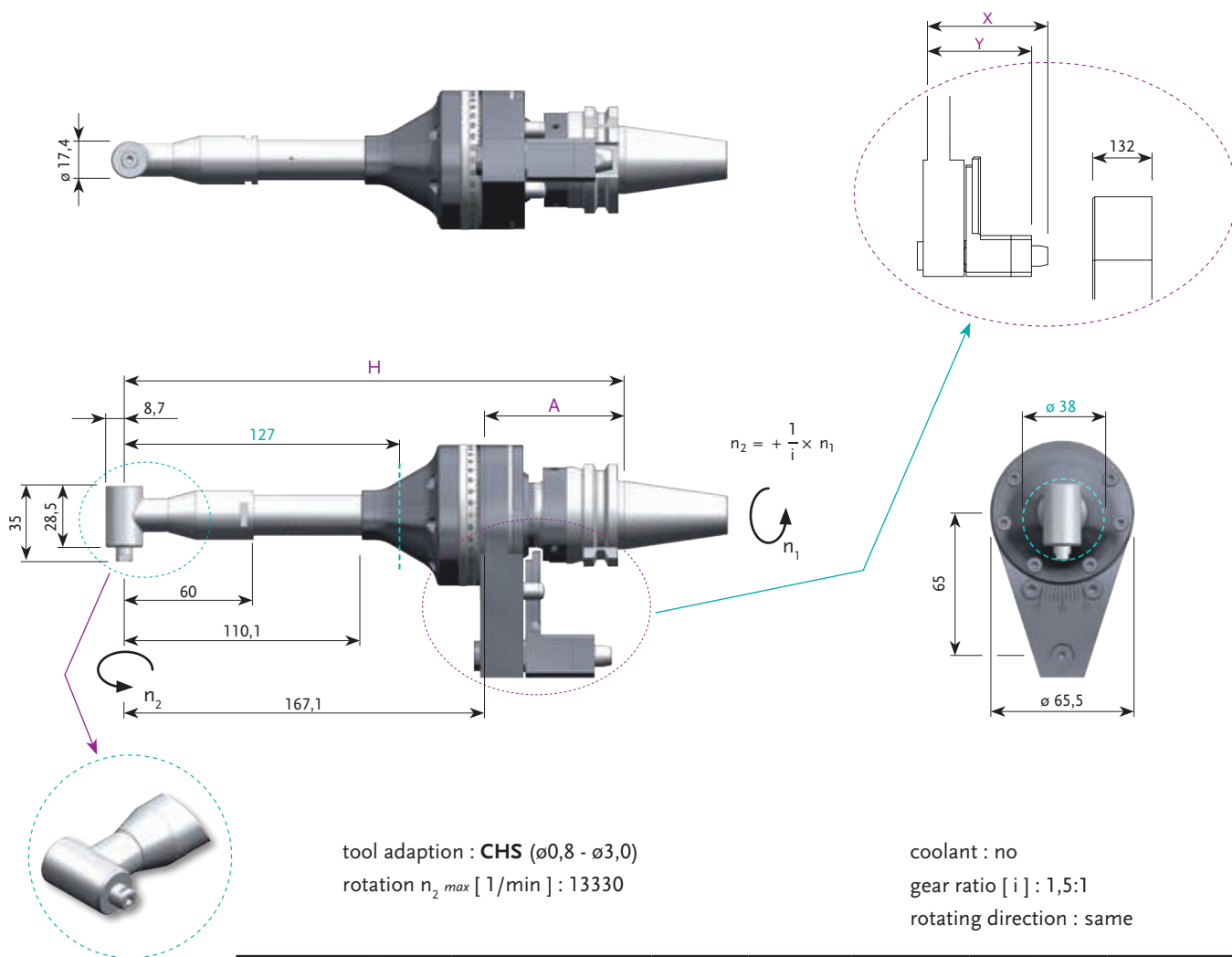
note: support optional!

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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



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 21 008	 DIN 69871 A - SK 30	232,1	65	✓	59	51	✓
7 030 21 028				✓	59	51	✗
7 030 21 048				✗	-	-	✗
7 030 31 008	 DIN 69893 - HSK 40 A	240,1	73	✓	59	51	✓
7 030 31 018				✓	59	51	✗
7 030 31 028				✗	-	-	✗
7 030 21 018	 MAS 403 BT 30	232,1	65	✓	59	51	✓
7 030 21 038				✓	59	51	✗
7 030 21 058				✗	-	-	✗

note: support optional!

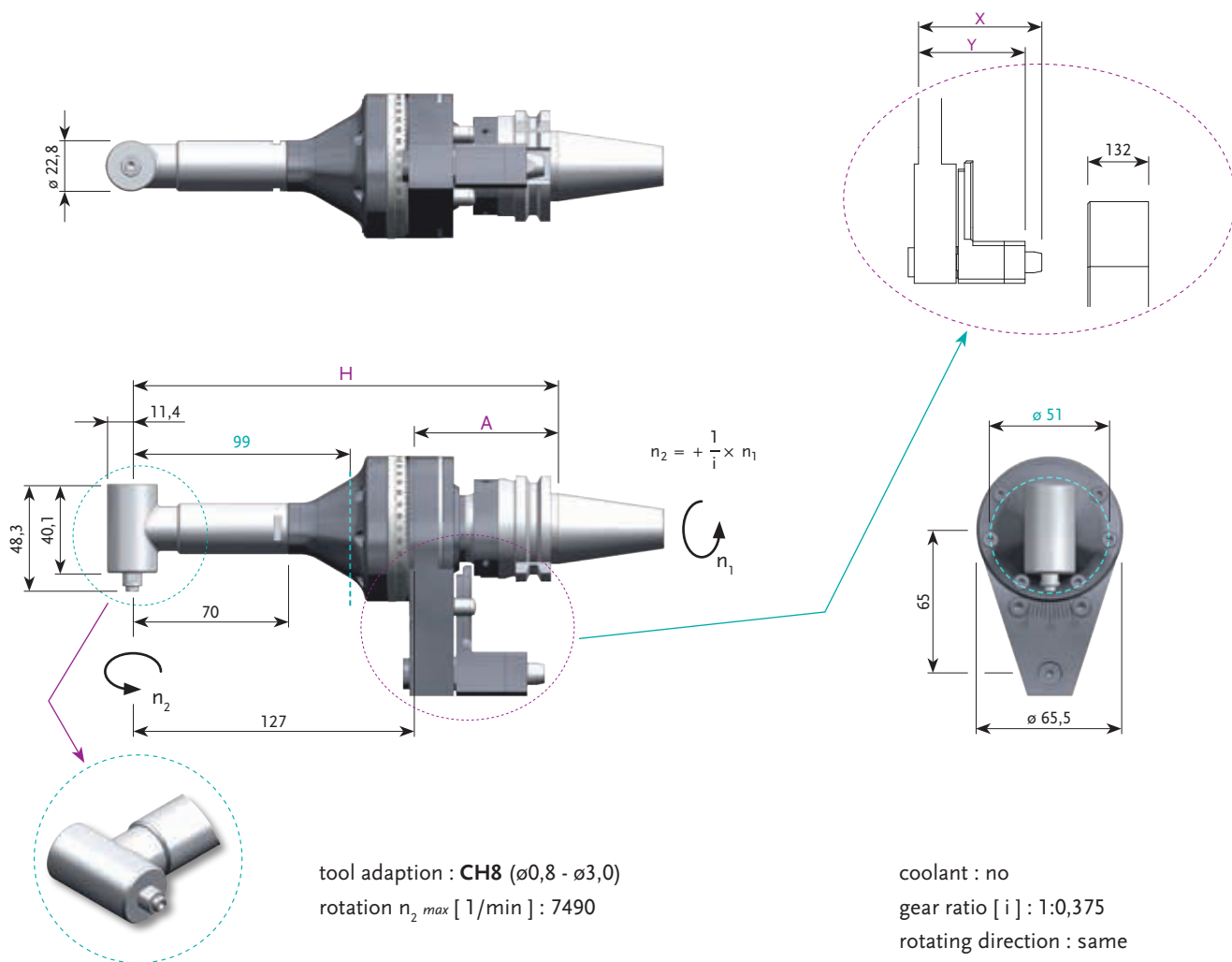
✗ = not included in delivery
✓ = included in delivery

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



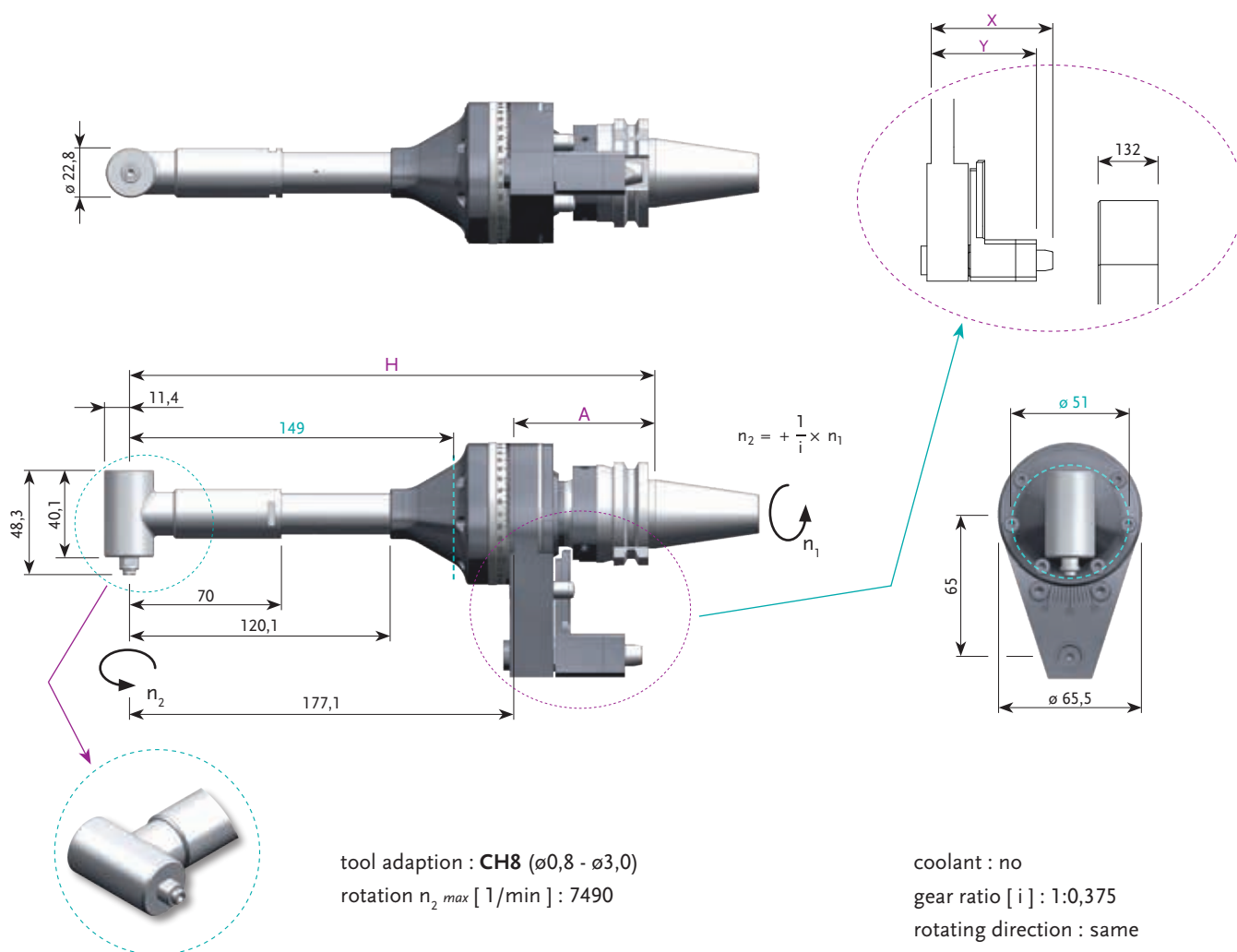
ref.-no.	machine adaption	center distance H [mm]	gauge line of housing A [mm]	torque arm			stop-block
					Dim. X [mm]	Dim. Y [mm]	
7 030 21 004	 DIN 69871 A - SK 30	192	65	✓	59	51	✓
7 030 21 024				✓	59	51	✗
7 030 21 044				✗	-	-	✗
7 030 31 004	 DIN 69893 - HSK 40 A	200	73	✓	59	51	✓
7 030 31 014				✓	59	51	✗
7 030 31 024				✗	-	-	✗
7 030 21 014	 MAS 403 BT 30	192	65	✓	59	51	✓
7 030 21 034				✓	59	51	✗
7 030 21 054				✗	-	-	✗

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

► 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 21 009	 DIN 69871 A - SK 30	242,1	65	✓	59	51	✓
7 030 21 029				✓	59	51	✗
7 030 21 049				✗	-	-	✗
7 030 31 009	 DIN 69893 - HSK 40 A	250,1	73	✓	59	51	✓
7 030 31 019				✓	59	51	✗
7 030 31 029				✗	-	-	✗
7 030 21 019	 MAS 403 BT 30	242,1	65	✓	59	51	✓
7 030 21 039				✓	59	51	✗
7 030 21 059				✗	-	-	✗

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

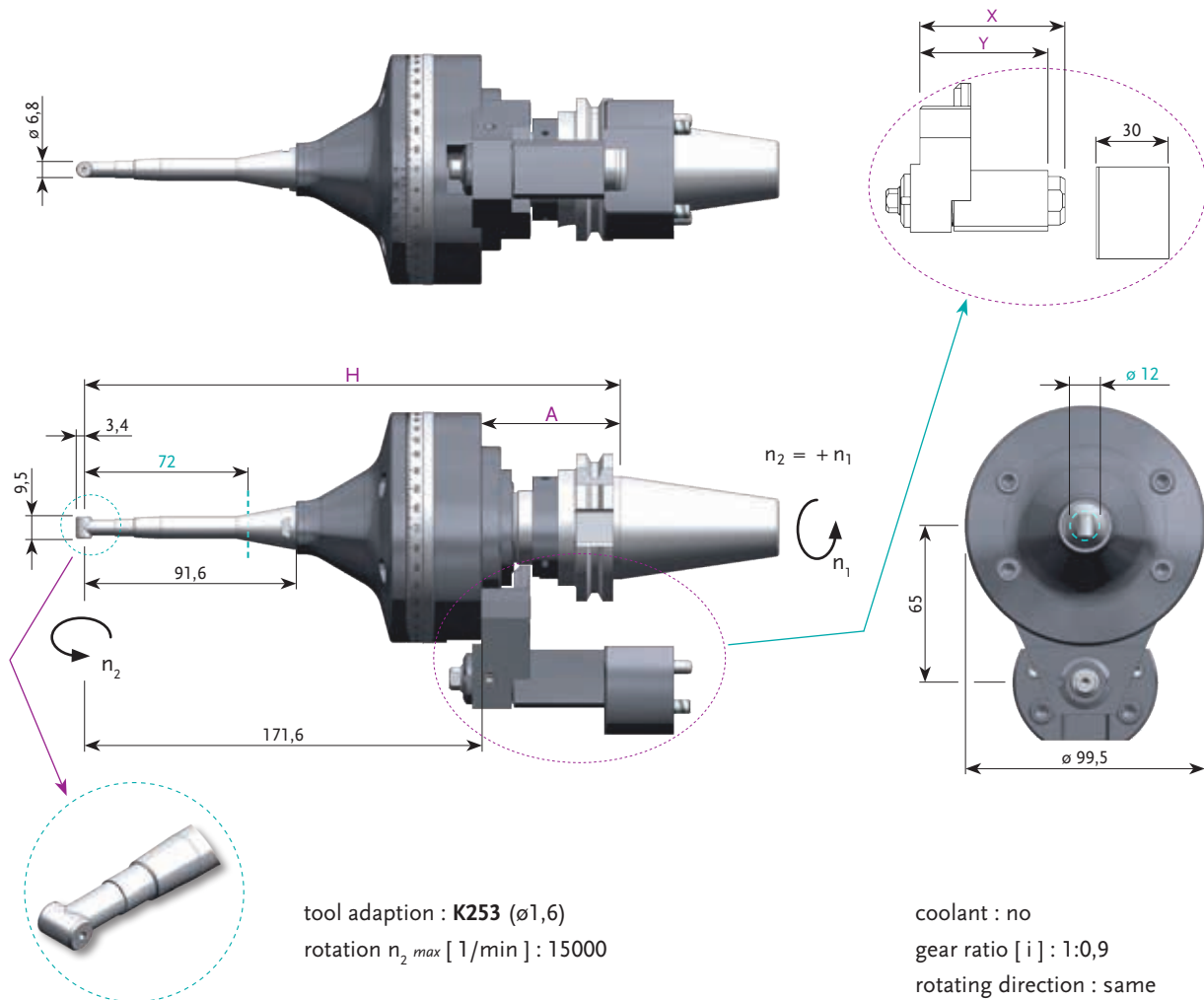
Angle Heads



size 4

► Angle Heads

360° turnable, no splash-protection



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 41 002	 DIN 69871 A - SK 40	231,6	60	✓	60	53	✓
7 030 41 032				✓	60	53	✗
7 030 41 062				✗	-	-	✗
7 030 51 002	 DIN 69893 - HSK 63 A	238,6	67	✓	60	53	✓
7 030 51 012				✓	60	53	✗
7 030 51 022				✗	-	-	✗
7 030 41 012	 MAS 403 BT 40	231,6	60	✓	60	53	✓
7 030 41 042				✓	60	53	✗
7 030 41 072				✗	-	-	✗
7 030 41 022	 ANSI B 5.50/ CAT 40 inch	231,6	60	✓	60	53	✓
7 030 41 052				✓	60	53	✗
7 030 41 082				✗	-	-	✗

note: support optional!

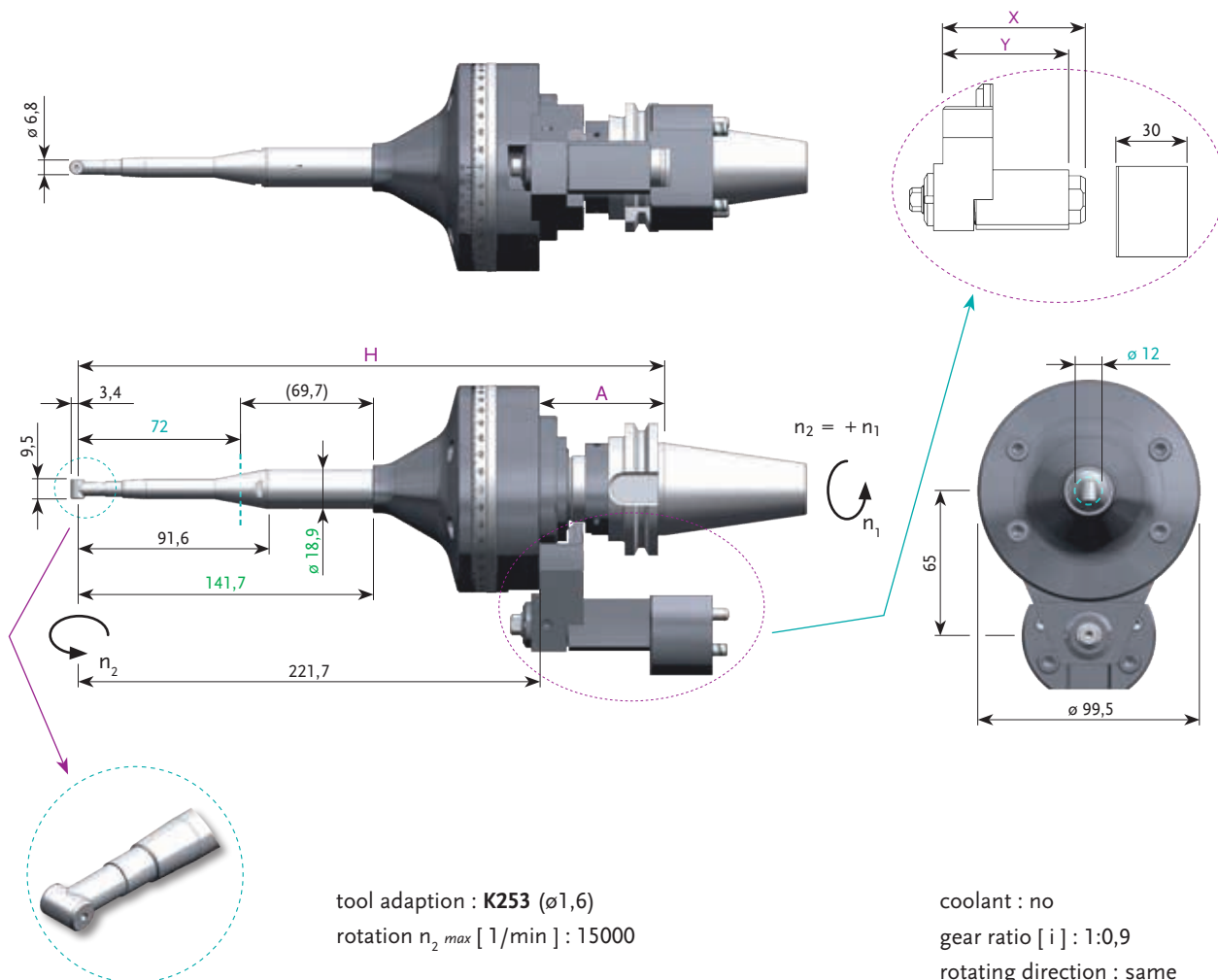
✗ = not included in delivery
✓ = included in delivery

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, no splash-protection



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 41 007	 DIN 69871 A - SK 40	281,7	60	✓	60	53	✓
7 030 41 037				✓	60	53	✗
7 030 41 067				✗	-	-	✗
7 030 51 007	 DIN 69893 - HSK 63 A	288,7	67	✓	60	53	✓
7 030 51 017				✓	60	53	✗
7 030 51 027				✗	-	-	✗
7 030 41 017	 MAS 403 BT 40	281,7	60	✓	60	53	✓
7 030 41 047				✓	60	53	✗
7 030 41 077				✗	-	-	✗
7 030 41 027	 ANSI B 5.50/ CAT 40 inch	281,7	60	✓	60	53	✓
7 030 41 057				✓	60	53	✗
7 030 41 087				✗	-	-	✗

note: support optional!

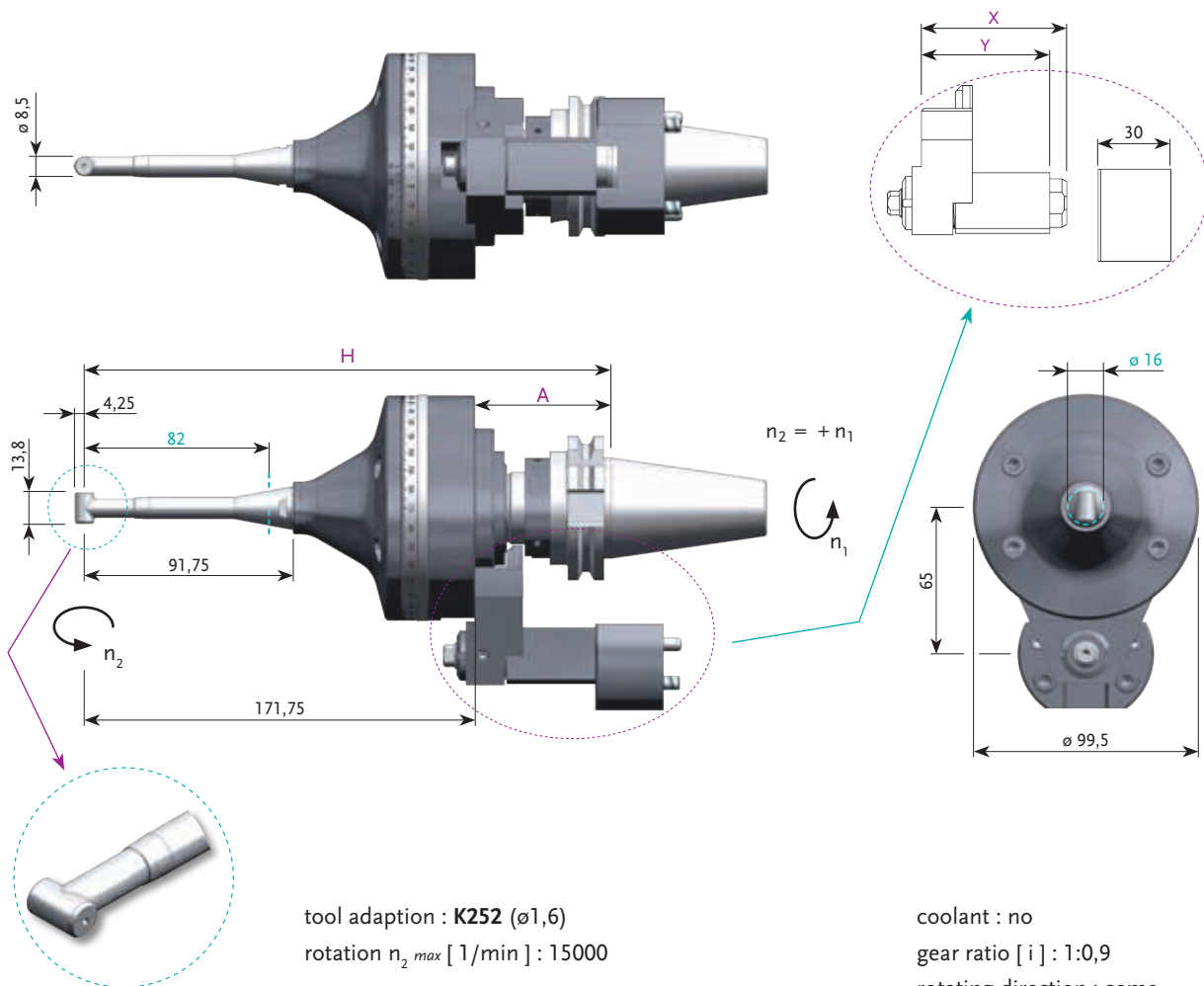
✗ = not included in delivery
✓ = included in delivery

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, no splash-protection



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 41 001	 DIN 69871 A - SK 40	231,75	60	✓	60	53	✓
7 030 41 031				✓	60	53	✗
7 030 41 061				✗	-	-	✗
7 030 51 001	 DIN 69893 - HSK 63 A	238,75	67	✓	60	53	✓
7 030 51 011				✓	60	53	✗
7 030 51 021				✗	-	-	✗
7 030 41 011	 MAS 403 BT 40	231,75	60	✓	60	53	✓
7 030 41 041				✓	60	53	✗
7 030 41 071				✗	-	-	✗
7 030 41 021	 ANSI B 5.50/ CAT 40 inch	231,75	60	✓	60	53	✓
7 030 41 051				✓	60	53	✗
7 030 41 081				✗	-	-	✗

note: support optional!

✗ = not included in delivery

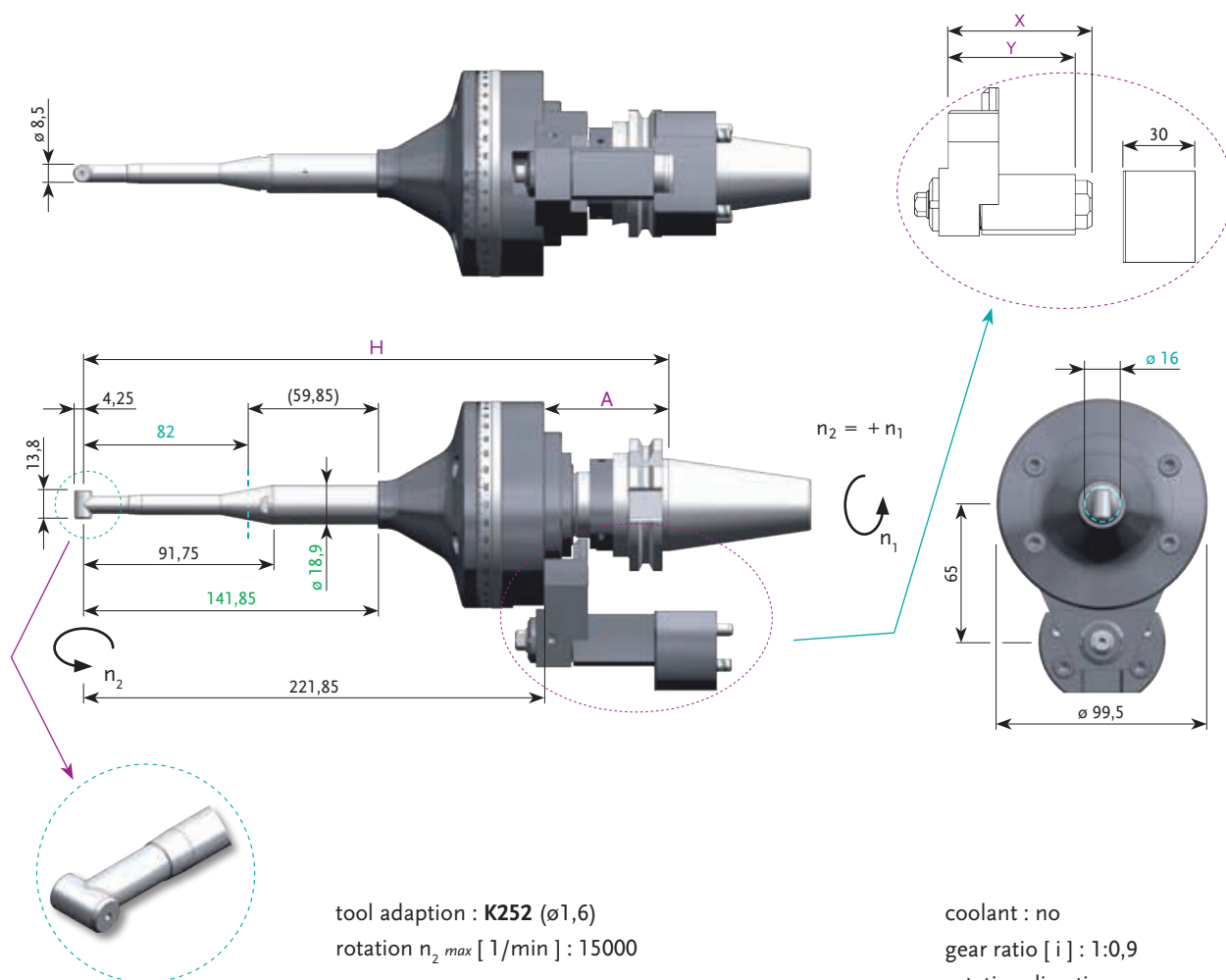
✓ = included in delivery

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, no splash-protection



```
coolant : no
gear ratio [ i ] : 1:0,9
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]	
7 030 41 006	 DIN 69871 A - SK 40	281,85	60	✓	60	53	✓
7 030 41 036				✓	60	53	✗
7 030 41 066				✗	-	-	✗
7 030 51 006	 DIN 69893 - HSK 63 A	288,85	67	✓	60	53	✓
7 030 51 016				✓	60	53	✗
7 030 51 026				✗	-	-	✗
7 030 41 016	 MAS 403 BT 40	281,85	60	✓	60	53	✓
7 030 41 046				✓	60	53	✗
7 030 41 076				✗	-	-	✗
7 030 41 026	 ANSI B 5.50/ CAT 40 inch	281,85	60	✓	60	53	✓
7 030 41 056				✓	60	53	✗
7 030 41 086				✗	-	-	✗

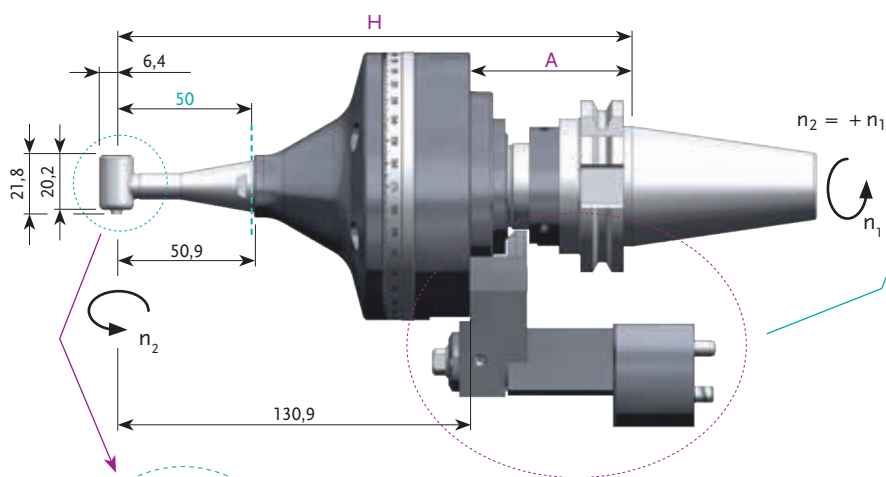
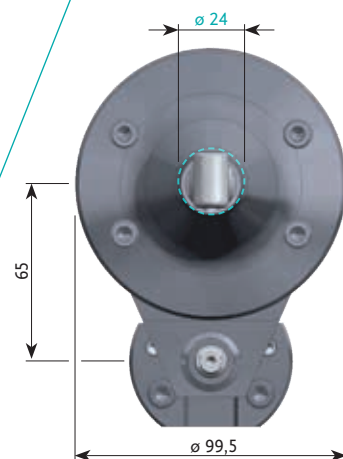
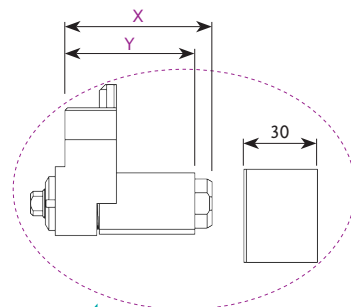
note: support optional!

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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

Technical drawing of a mechanical assembly in cross-section. The drawing shows a complex assembly with various components, including a central shaft, a large flange, and a smaller component on the right. A dimension line indicates a diameter of 12.8 mm for a specific part of the assembly.



```
coolant : no
gear ratio [ i ] : 1:0,75
rotating direction : same
```

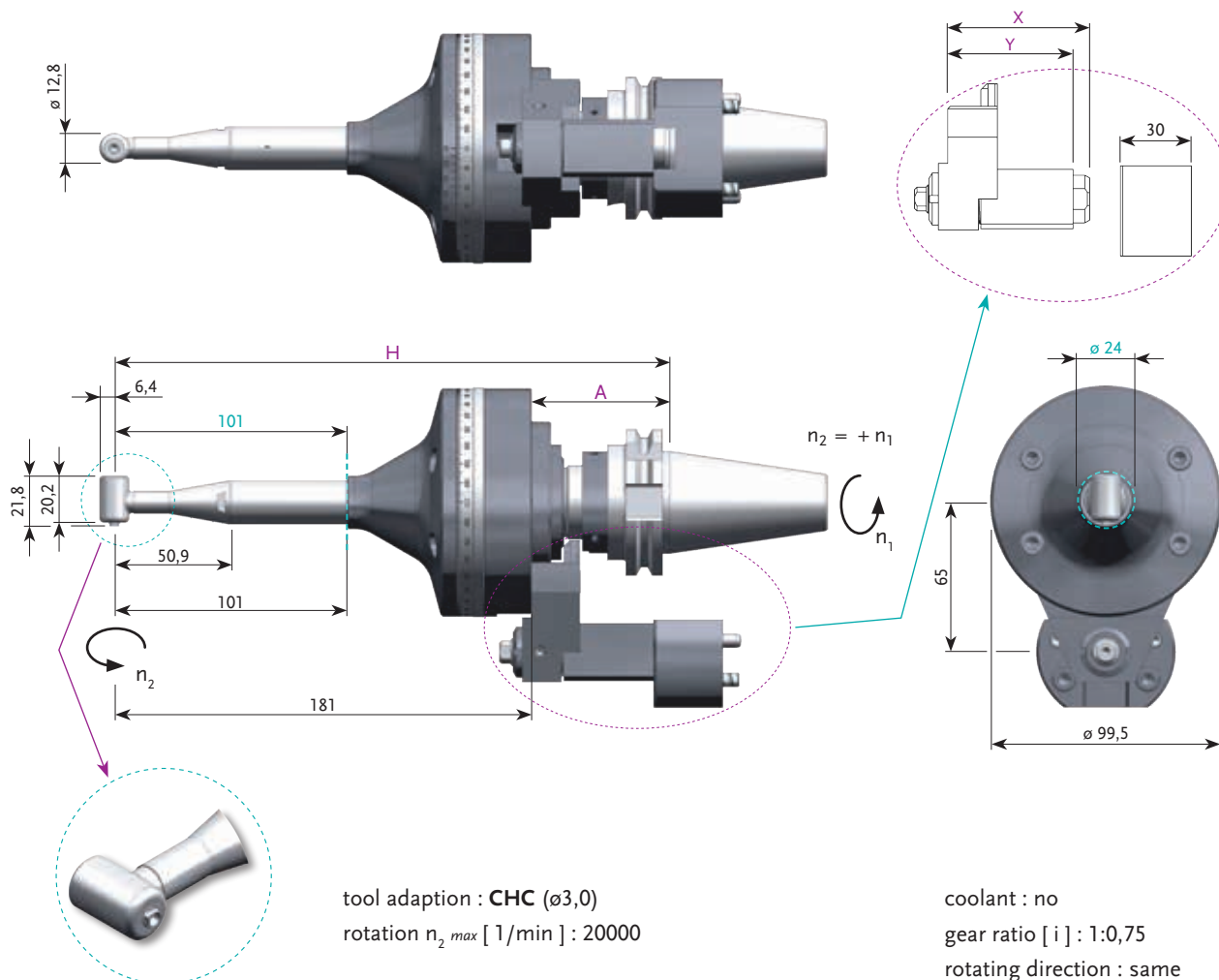
ref.-no.	machine adaption	center distance H [mm]	gauge line of housing A [mm]	torque arm			stop-block
					Dim. X [mm]	Dim. Y [mm]	
7 030 41 000	 DIN 69871 A - SK 40	190,9	60		60	53	
7 030 41 030					60	53	
7 030 41 060					-	-	
7 030 51 000	 DIN 69893 - HSK 63 A	197,9	67		60	53	
7 030 51 010					60	53	
7 030 51 020					-	-	
7 030 41 040	 MAS 403 BT 40	190,9	60		60	53	
7 030 41 010					60	53	
7 030 41 070					-	-	
7 030 41 020	 ANSI B 5.50/ CAT 40 inch	190,9	60		60	53	
7 030 41 050					60	53	
7 030 41 080					-	-	

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► further versions on request

► Angle Heads

360° turnable, no splash-protection



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 41 005	 DIN 69871 A - SK 40	241	60	✓	60	53	✓
7 030 41 035				✓	60	53	✗
7 030 41 065				✗	-	-	✗
7 030 51 005	 DIN 69893 - HSK 63 A	248	67	✓	60	53	✓
7 030 51 015				✓	60	53	✗
7 030 51 025				✗	-	-	✗
7 030 41 015	 MAS 403 BT 40	241	60	✓	60	53	✓
7 030 41 045				✓	60	53	✗
7 030 41 075				✗	-	-	✗
7 030 41 025	 ANSI B 5.50/ CAT 40 inch	241	60	✓	60	53	✓
7 030 41 055				✓	60	53	✗
7 030 41 085				✗	-	-	✗

note: support optional!

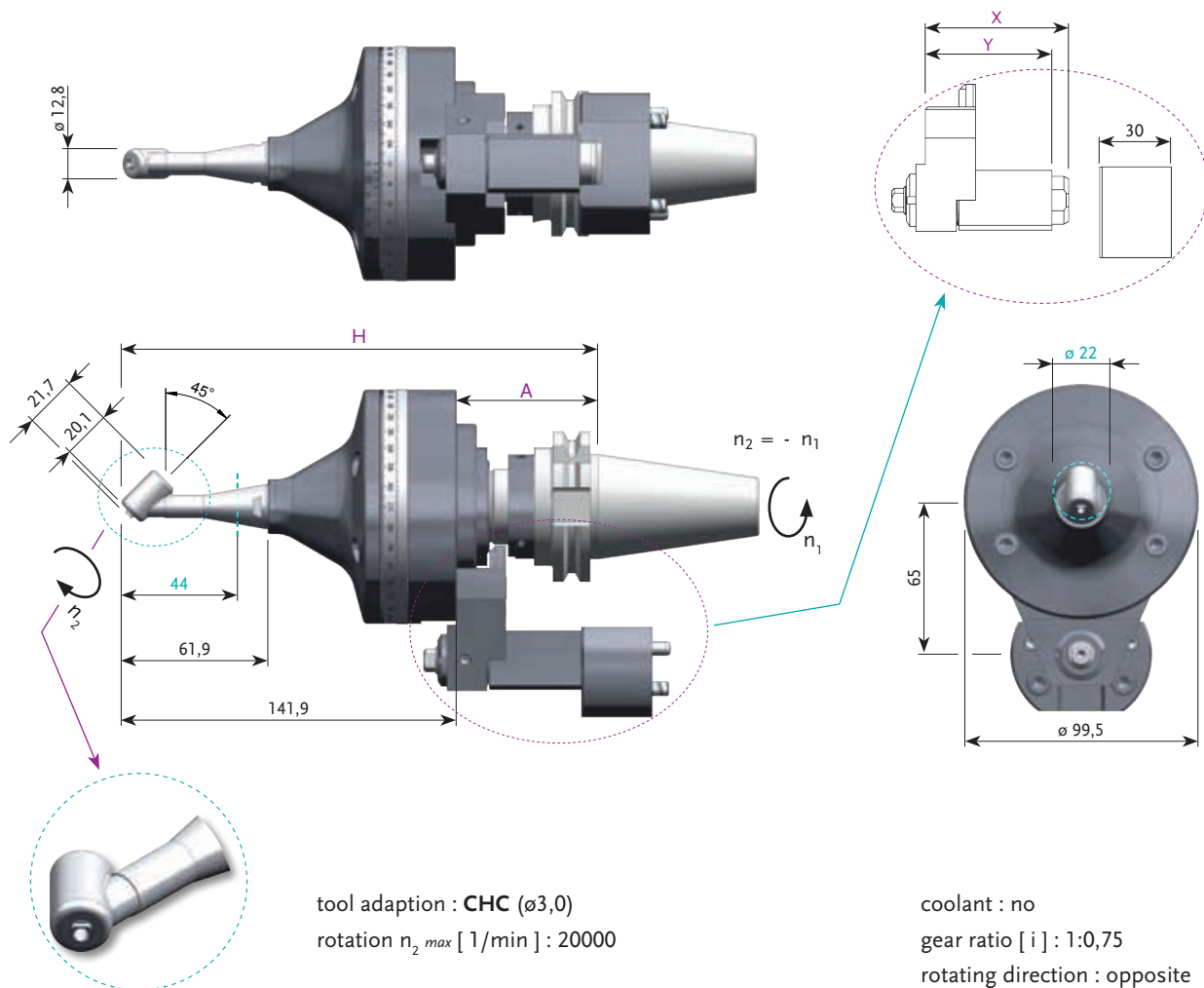
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Dim. **X** = end face fixing bolt / gauge line of the housing
Dim. **Y** = locking device / gauge line of the housing

► further versions on request

► Angle Heads

360° turnable, no splash-protection



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 41 005	 DIN 69871 A - SK 40	201,9	60	✓	60	53	✓
7 039 41 011				✓	60	53	✗
7 039 41 017				✗	-	-	✗
7 039 51 000	 DIN 69893 - HSK 63 A	208,9	67	✓	60	53	✓
7 039 51 002				✓	60	53	✗
7 039 51 004				✗	-	-	✗
7 039 41 007	 MAS 403 BT 40	201,9	60	✓	60	53	✓
7 039 41 013				✓	60	53	✗
7 039 41 019				✗	-	-	✗
7 039 41 015	 ANSI B 5.50/ CAT 40 inch	201,9	60	✓	60	53	✓
7 039 41 009				✓	60	53	✗
7 039 41 021				✗	-	-	✗

note: support optional!

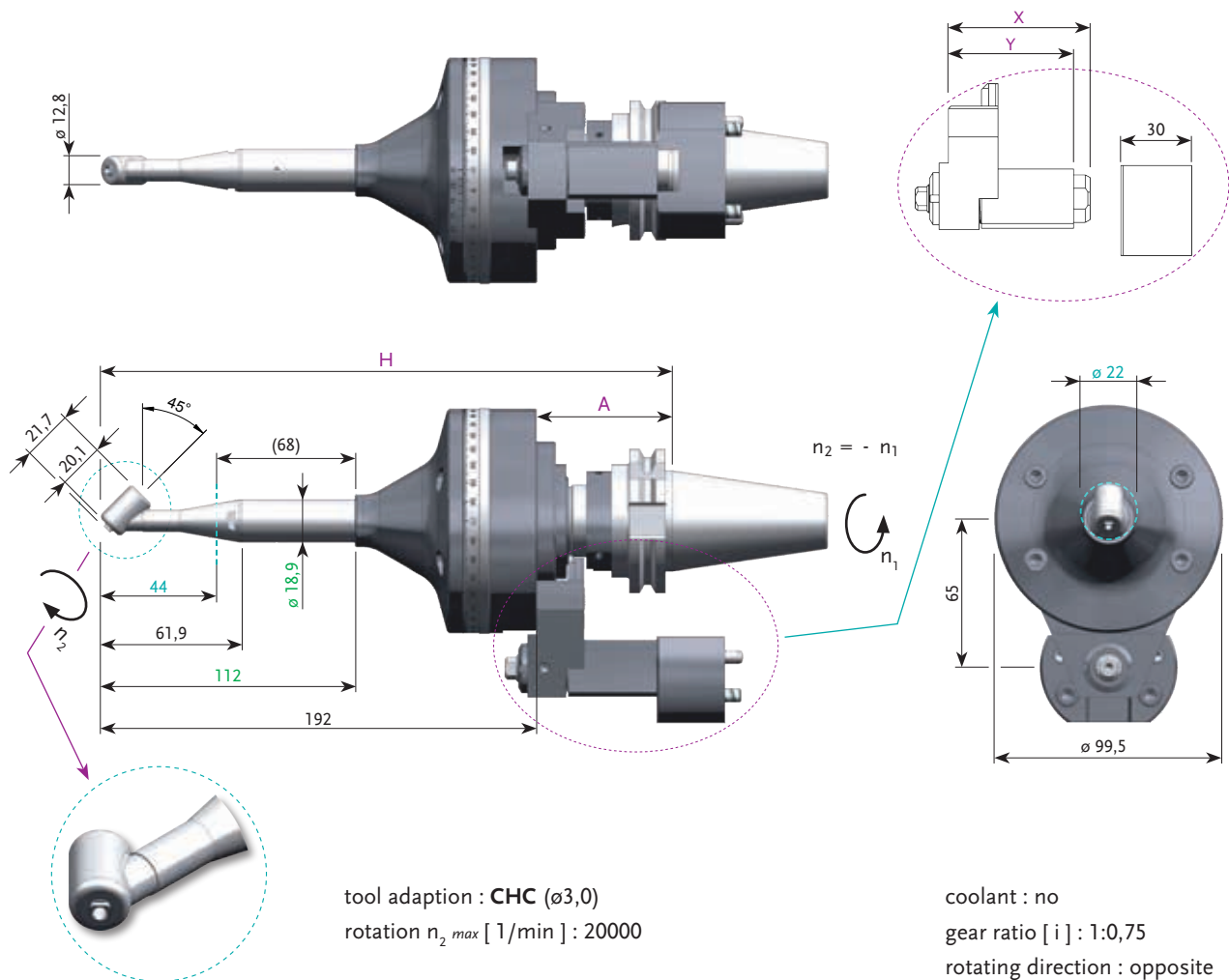
✗ = not included in delivery
✓ = included in delivery

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, no splash-protection



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 41 006	 DIN 69871 A - SK 40	252	60	✓	60	53	✓
7 039 41 012				✓	60	53	✗
7 039 41 018				✗	-	-	✗
7 039 51 001	 DIN 69893 - HSK 63 A	259	67	✓	60	53	✓
7 039 51 003				✓	60	53	✗
7 039 51 005				✗	-	-	✗
7 039 41 008	 MAS 403 BT 40	252	60	✓	60	53	✓
7 039 41 014				✓	60	53	✗
7 039 41 020				✗	-	-	✗
7 039 41 010	 ANSI B 5.50/ CAT 40 inch	252	60	✓	60	53	✓
7 039 41 016				✓	60	53	✗
7 039 41 022				✗	-	-	✗

note: support optional!

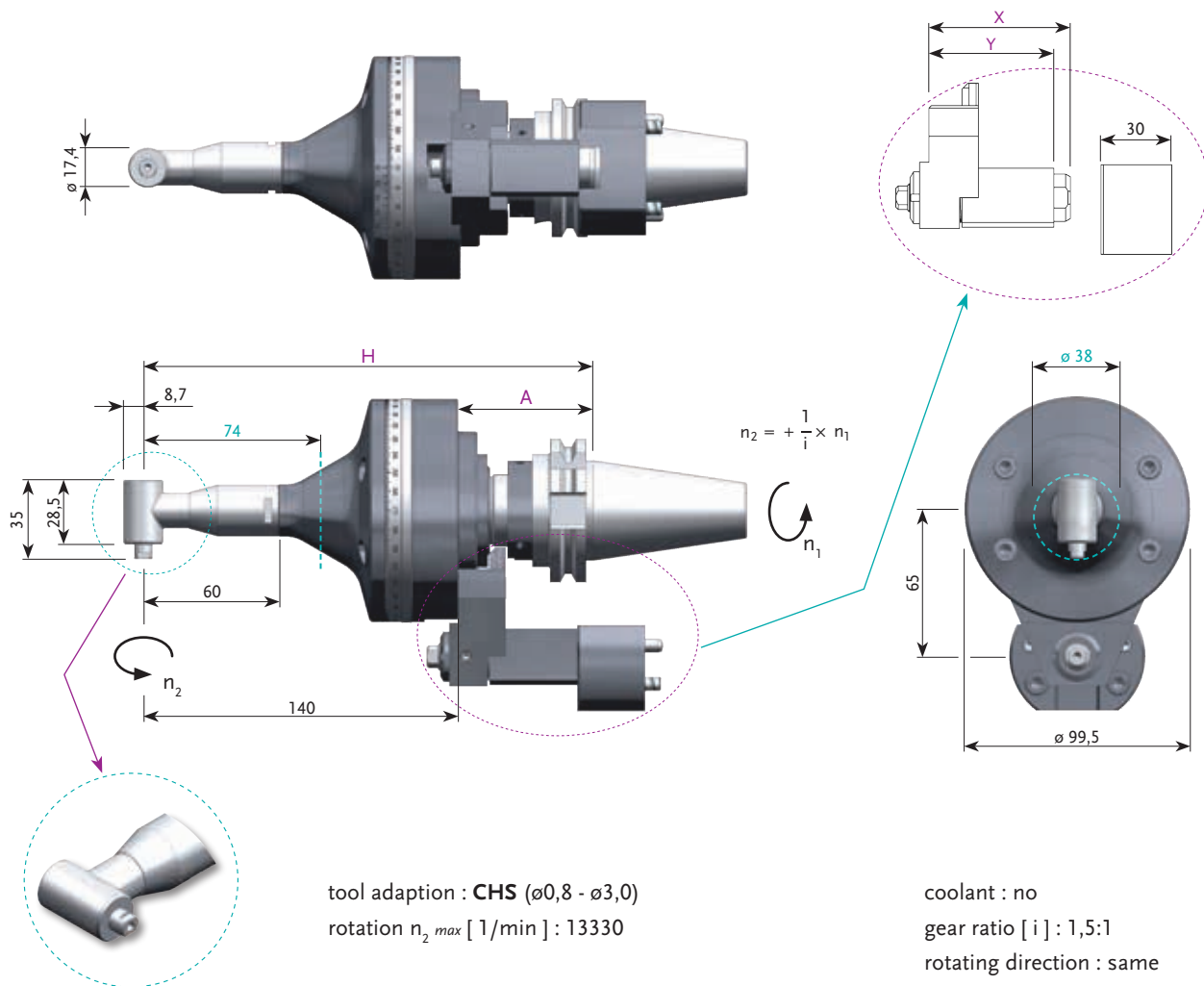
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Dim. X = end face fixing bolt / gauge line of the housing
Dim. Y = locking device / gauge line of the housing

► further versions on request

► Angle Heads

360° turnable



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 41 003	 DIN 69871 A - SK 40	200	60	✓	60	53	✓
7 030 41 033				✓	60	53	✗
7 030 41 063				✗	-	-	✗
7 030 51 003	 DIN 69893 - HSK 63 A	207	67	✓	60	53	✓
7 030 51 013				✓	60	53	✗
7 030 51 023				✗	-	-	✗
7 030 41 013	 MAS 403 BT 40	200	60	✓	60	53	✓
7 030 41 043				✓	60	53	✗
7 030 41 073				✗	-	-	✗
7 030 41 023	 ANSI B 5.50/ CAT 40 inch	200	60	✓	60	53	✓
7 030 41 053				✓	60	53	✗
7 030 41 083				✗	-	-	✗

note: support optional!

✗ = not included in delivery

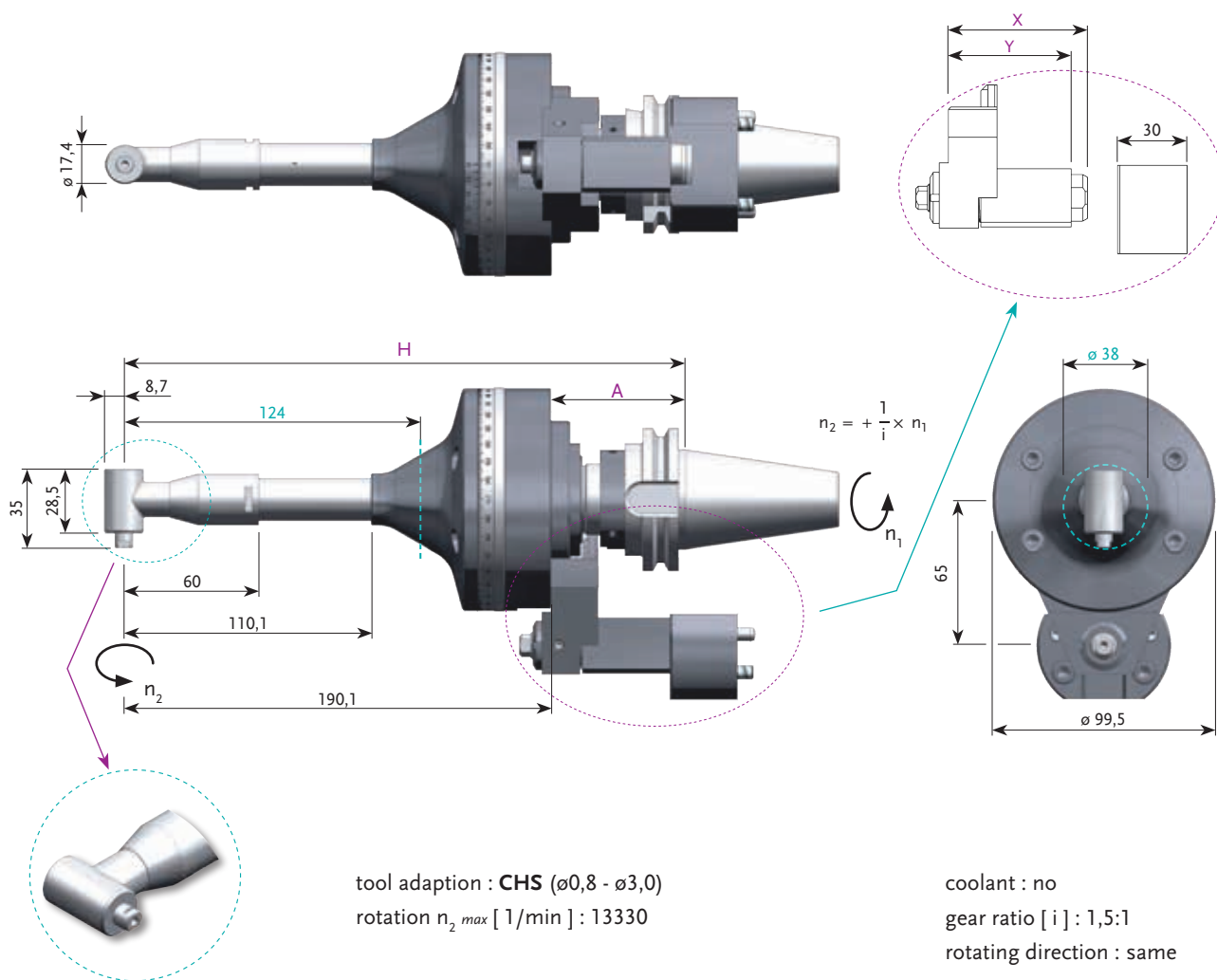
✓ = included in delivery

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 41 008	 DIN 69871 A - SK 40	250,1	60	✓	60	53	✓
7 030 41 038				✓	60	53	✗
7 030 41 068				✗	-	-	✗
7 030 51 008	 DIN 69893 - HSK 63 A	257,1	67	✓	60	53	✓
7 030 51 018				✓	60	53	✗
7 030 51 028				✗	-	-	✗
7 030 41 018	 MAS 403 BT 40	250,1	60	✓	60	53	✓
7 030 41 048				✓	60	53	✗
7 030 41 078				✗	-	-	✗
7 030 41 028	 ANSI B 5.50/ CAT 40 inch	250,1	60	✓	60	53	✓
7 030 41 058				✓	60	53	✗
7 030 41 088				✗	-	-	✗

note: support optional!

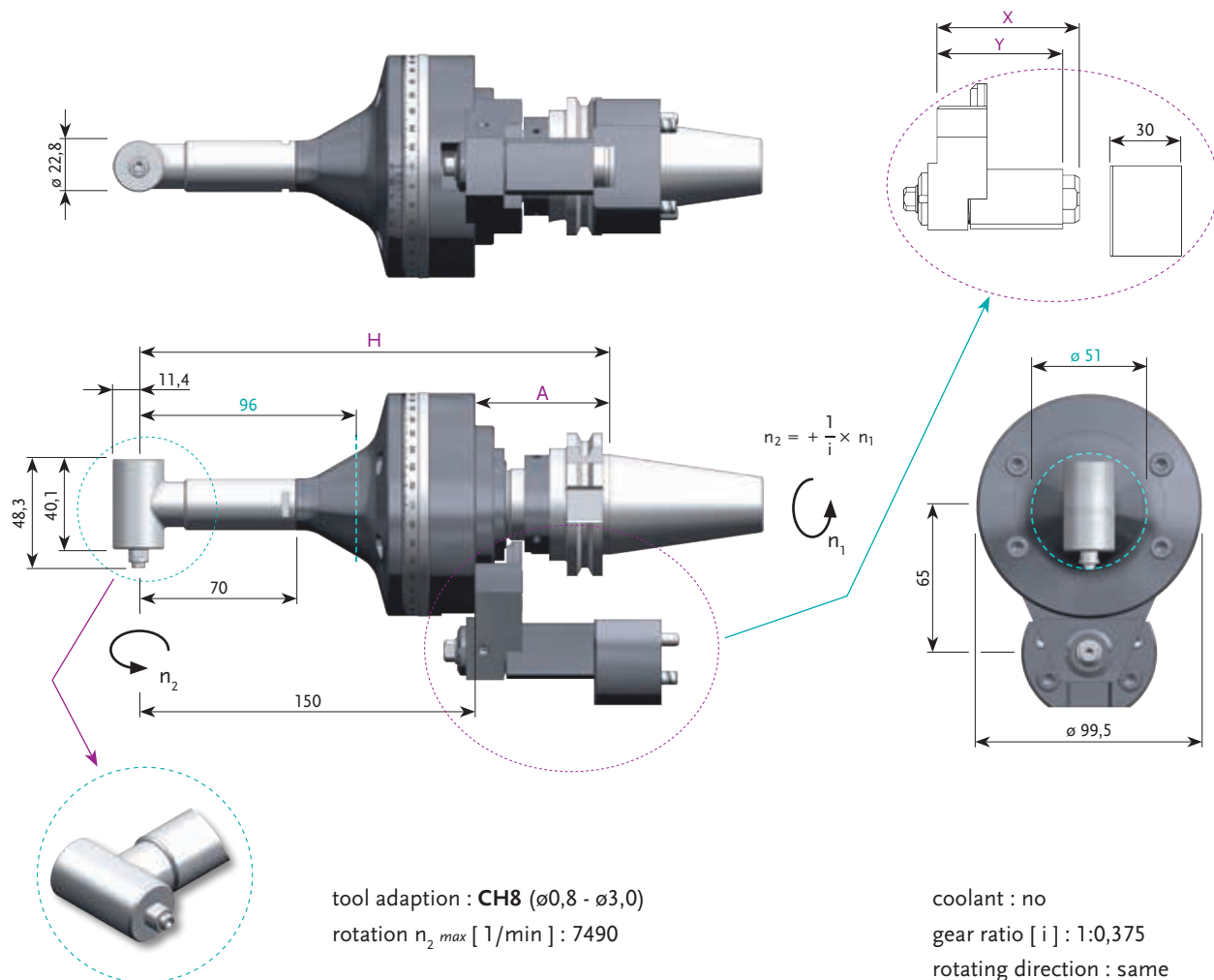
✗ = not included in delivery
✓ = included in delivery

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 41 004	 DIN 69871 A - SK 40	210	60	✓	60	53	✓
7 030 41 034				✓	60	53	✗
7 030 41 064				✗	-	-	✗
7 030 51 004	 DIN 69893 - HSK 63 A	217	67	✓	60	53	✓
7 030 51 014				✓	60	53	✗
7 030 51 024				✗	-	-	✗
7 030 41 014	 MAS 403 BT 40	210	60	✓	60	53	✓
7 030 41 044				✓	60	53	✗
7 030 41 074				✗	-	-	✗
7 030 41 024	 ANSI B 5.50/ CAT 40 inch	210	60	✓	60	53	✓
7 030 41 054				✓	60	53	✗
7 030 41 084				✗	-	-	✗

note: support optional!

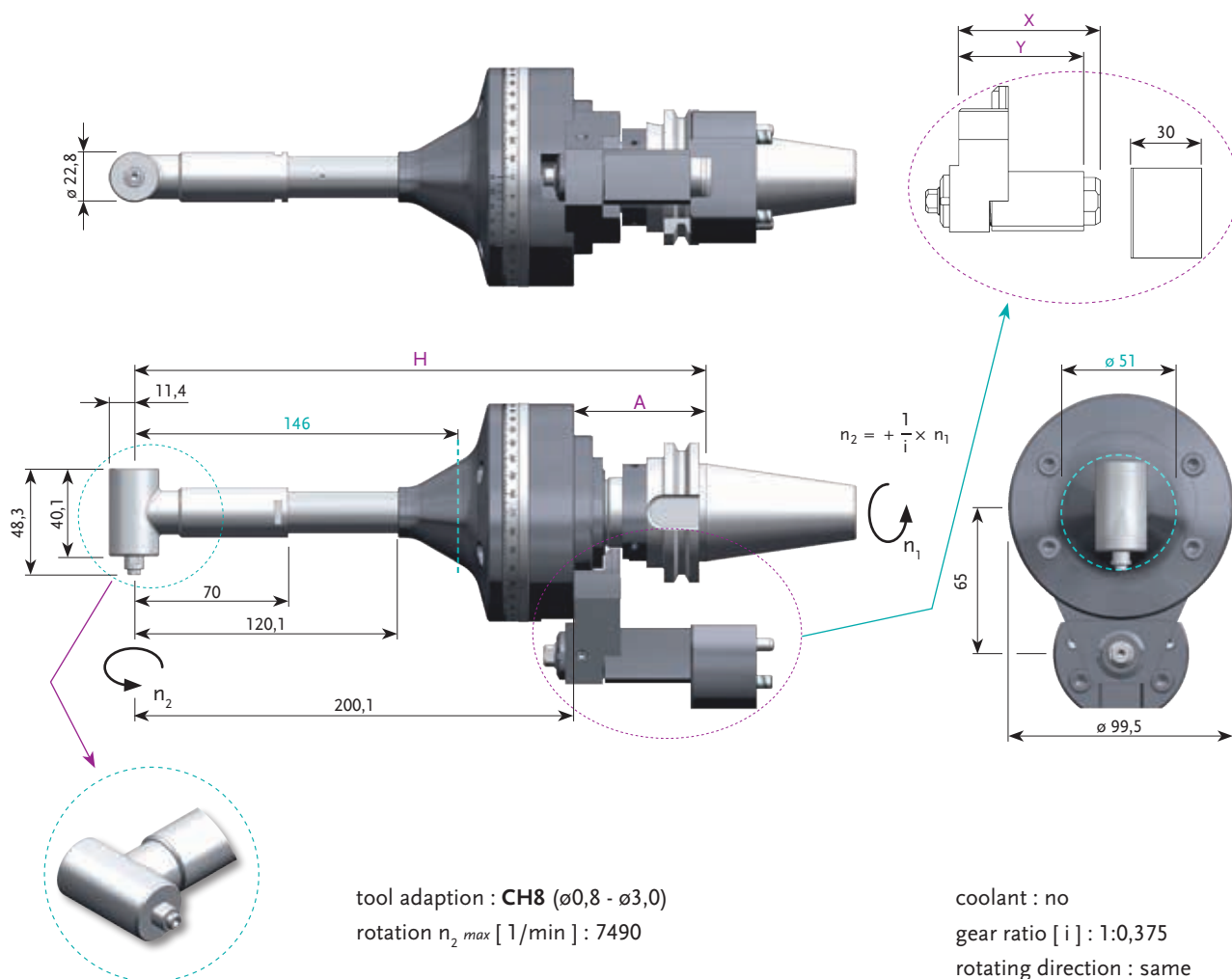
✗ = not included in delivery
✓ = included in delivery

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 41 009	DIN 69871 A - SK 40	260,1	60	✓	60	53	✓
7 030 41 039				✓	60	53	✗
7 030 41 069				✗	-	-	✗
7 030 51 009	DIN 69893 - HSK 63 A	267,1	67	✓	60	53	✓
7 030 51 019				✓	60	53	✗
7 030 51 029				✗	-	-	✗
7 030 41 019	MAS 403 BT 40	260,1	60	✓	60	53	✓
7 030 41 049				✓	60	53	✗
7 030 41 079				✗	-	-	✗
7 030 41 029	ANSI B 5.50/ CAT 40 inch	260,1	60	✓	60	53	✓
7 030 41 059				✓	60	53	✗
7 030 41 089				✗	-	-	✗

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

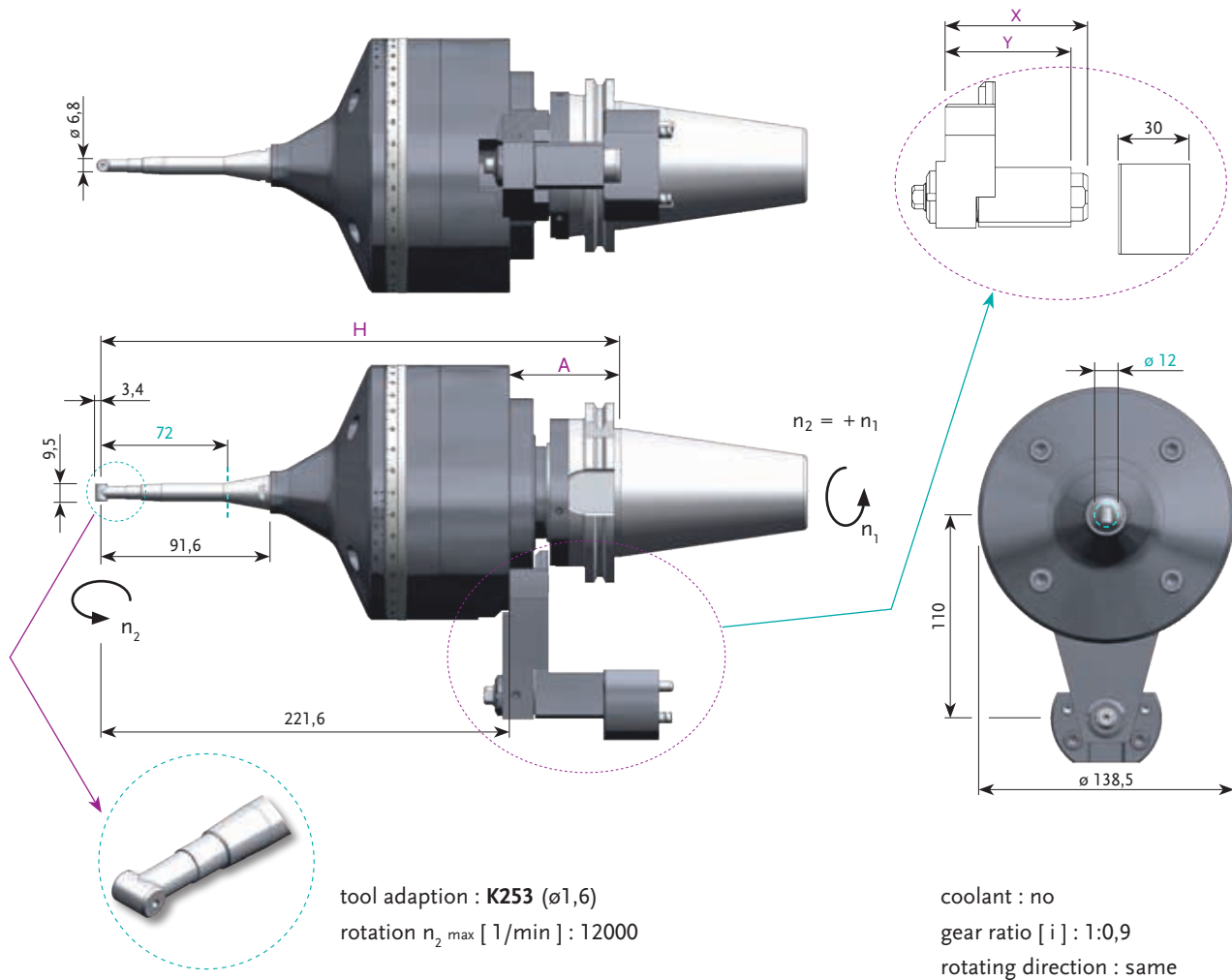
Angle Heads



size 5

► Angle Heads

360° turnable, no splash-protection



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 61 002	 DIN 69871 A - SK 50	281,6	60	✓	60	53	✓
7 030 61 032				✓	60	53	✗
7 030 61 062				✗	-	-	✗
7 030 71 002	 DIN 69893 - HSK 100 A	291,6	70	✓	60	53	✓
7 030 71 012				✓	60	53	✗
7 030 71 022				✗	-	-	✗
7 030 61 012	 MAS 403 BT 50	291,6	70	✓	60	53	✓
7 030 61 042				✓	60	53	✗
7 030 61 072				✗	-	-	✗
7 030 61 022	 ANSI B 5.50/ CAT 50 inch	281,6	60	✓	60	53	✓
7 030 61 052				✓	60	53	✗
7 030 61 082				✗	-	-	✗

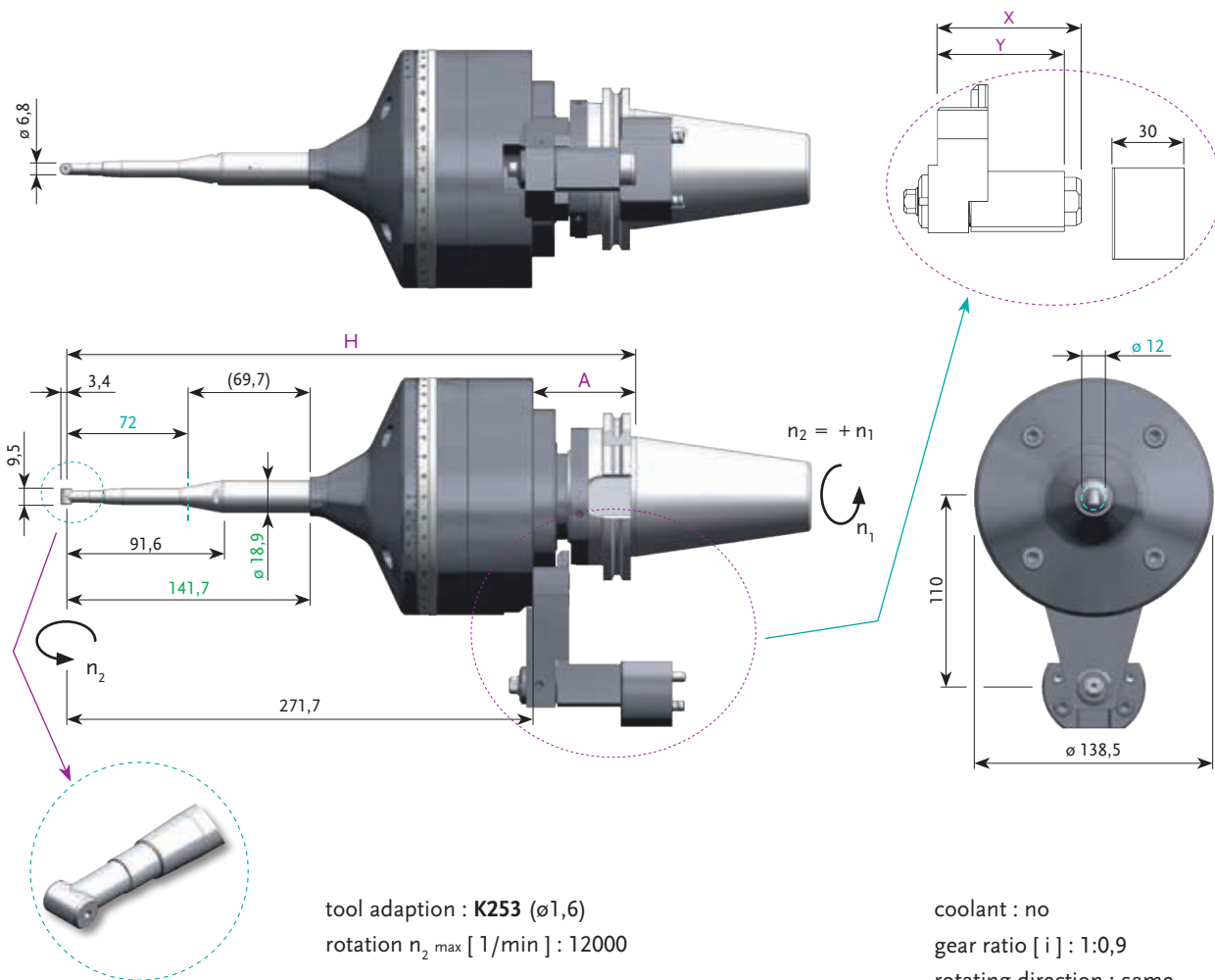
note: support optional!

✗ = 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, no splash-protection



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 61 007	 DIN 69871 A - SK 50	331,7	60	✓	60	53	✓
7 030 61 037				✓	60	53	✗
7 030 61 067				✗	-	-	✗
7 030 71 007	 DIN 69893 - HSK 100 A	341,7	70	✓	60	53	✓
7 030 71 017				✓	60	53	✗
7 030 71 027				✗	-	-	✗
7 030 61 017	 MAS 403 BT 50	341,7	70	✓	60	53	✓
7 030 61 047				✓	60	53	✗
7 030 61 077				✗	-	-	✗
7 030 61 027	 ANSI B 5.50/ CAT 50 inch	331,7	60	✓	60	53	✓
7 030 61 057				✓	60	53	✗
7 030 61 087				✗	-	-	✗

note: support optional!

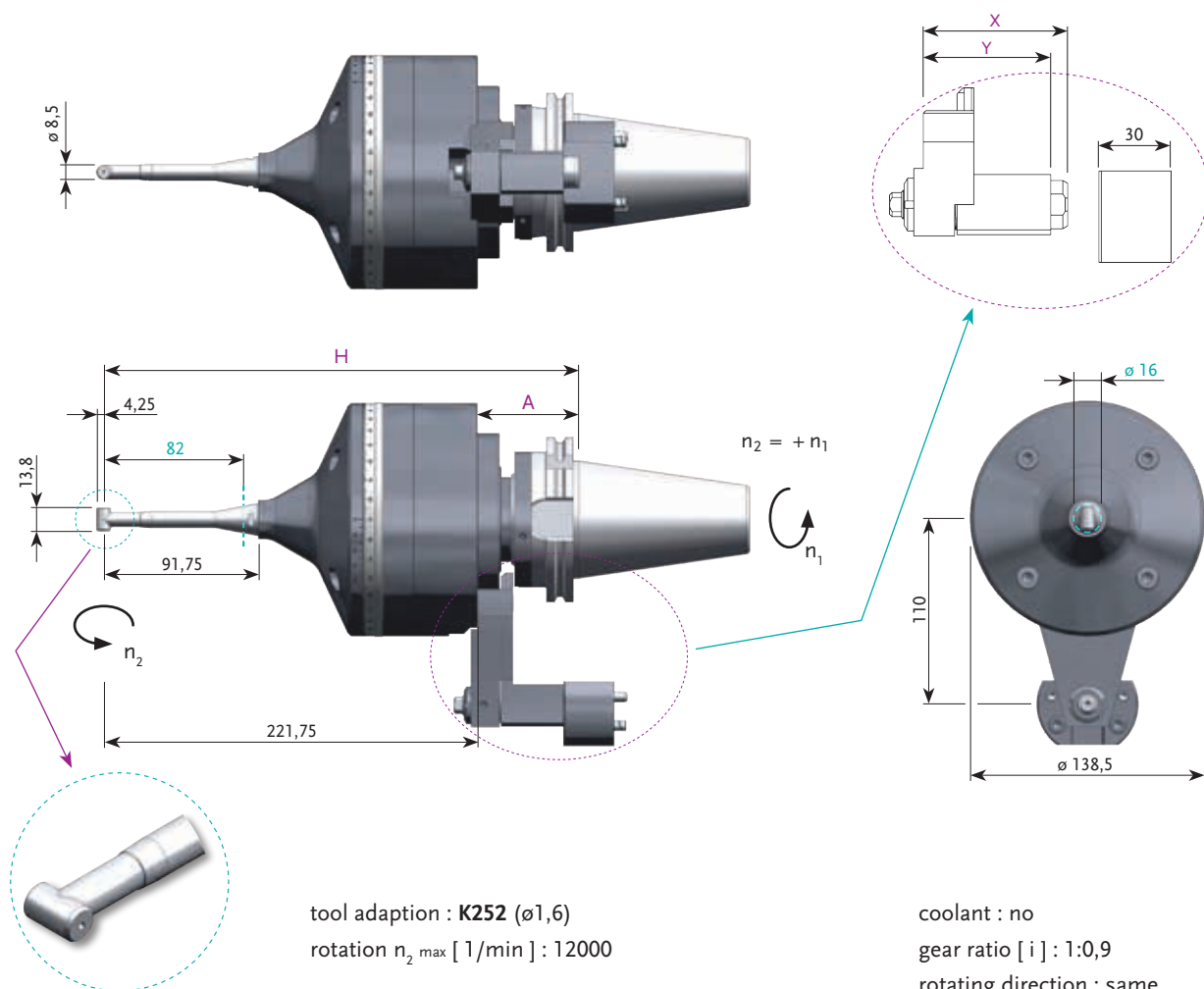
✗ = not included in delivery
✓ = included in delivery

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, no splash-protection



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 61 001	 DIN 69871 A - SK 50	281,75	60	✓	60	53	✓
7 030 61 031				✓	60	53	✗
7 030 61 061				✗	-	-	✗
7 030 71 001	 DIN 69893 - HSK 100 A	291,75	70	✓	60	53	✓
7 030 71 011				✓	60	53	✗
7 030 71 021				✗	-	-	✗
7 030 61 011	 MAS 403 BT 50	291,75	70	✓	60	53	✓
7 030 61 041				✓	60	53	✗
7 030 61 071				✗	-	-	✗
7 030 61 021	 ANSI B 5.50/ CAT 50 inch	281,75	60	✓	60	53	✓
7 030 61 051				✓	60	53	✗
7 030 61 081				✗	-	-	✗

note: support optional!

✗ = not included in delivery

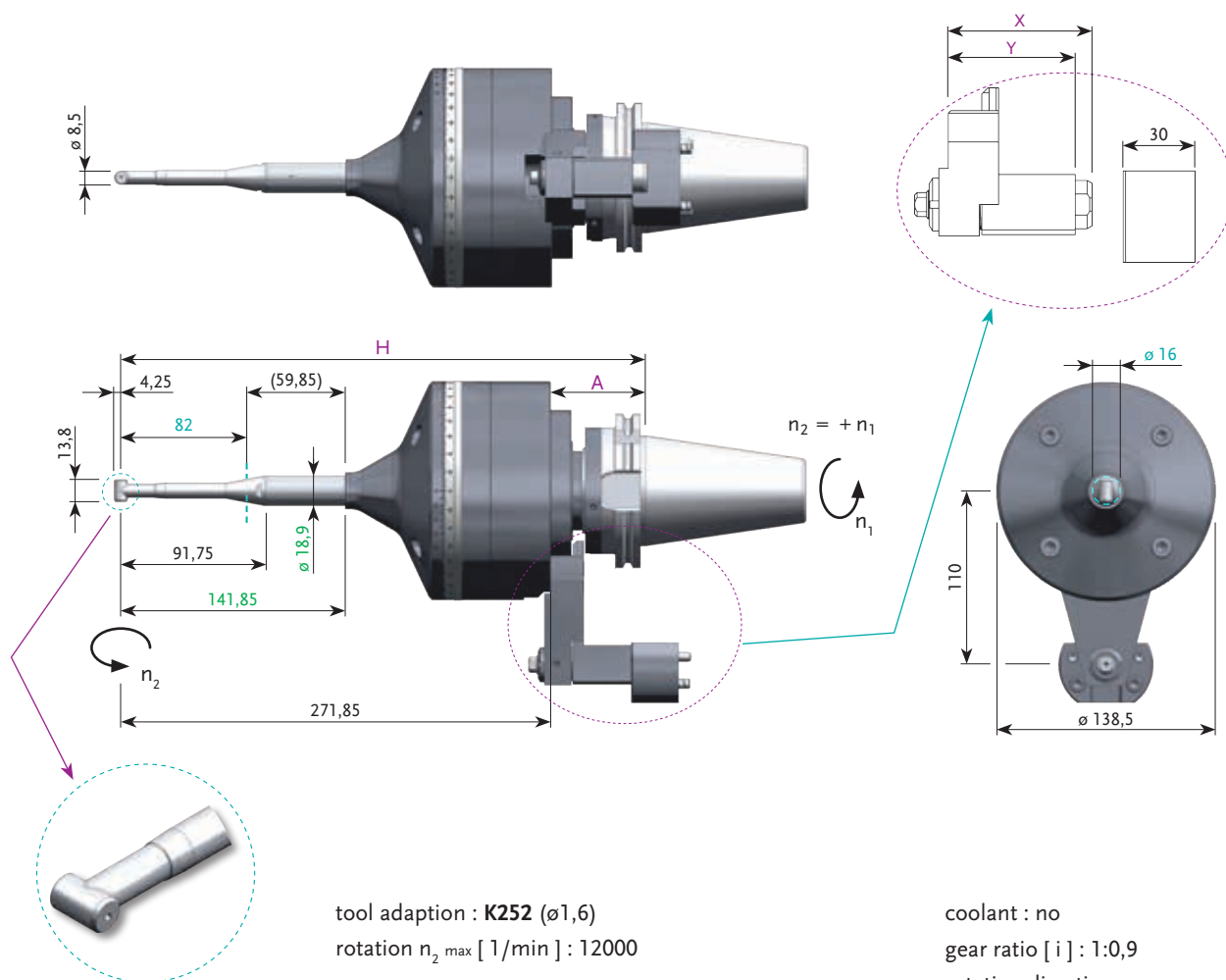
✓ = included in delivery

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, no splash-protection



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 61 006	 DIN 69871 A - SK 50	331,85	60	✓	60	53	✓
7 030 61 036				✓	60	53	✗
7 030 61 066				✗	-	-	✗
7 030 71 006	 DIN 69893 - HSK 100 A	341,85	70	✓	60	53	✓
7 030 71 016				✓	60	53	✗
7 030 71 026				✗	-	-	✗
7 030 61 016	 MAS 403 BT 50	341,85	70	✓	60	53	✓
7 030 61 046				✓	60	53	✗
7 030 61 076				✗	-	-	✗
7 030 61 026	 ANSI B 5.50/ CAT 50 inch	331,85	60	✓	60	53	✓
7 030 61 056				✓	60	53	✗
7 030 61 086				✗	-	-	✗

note: support optional!

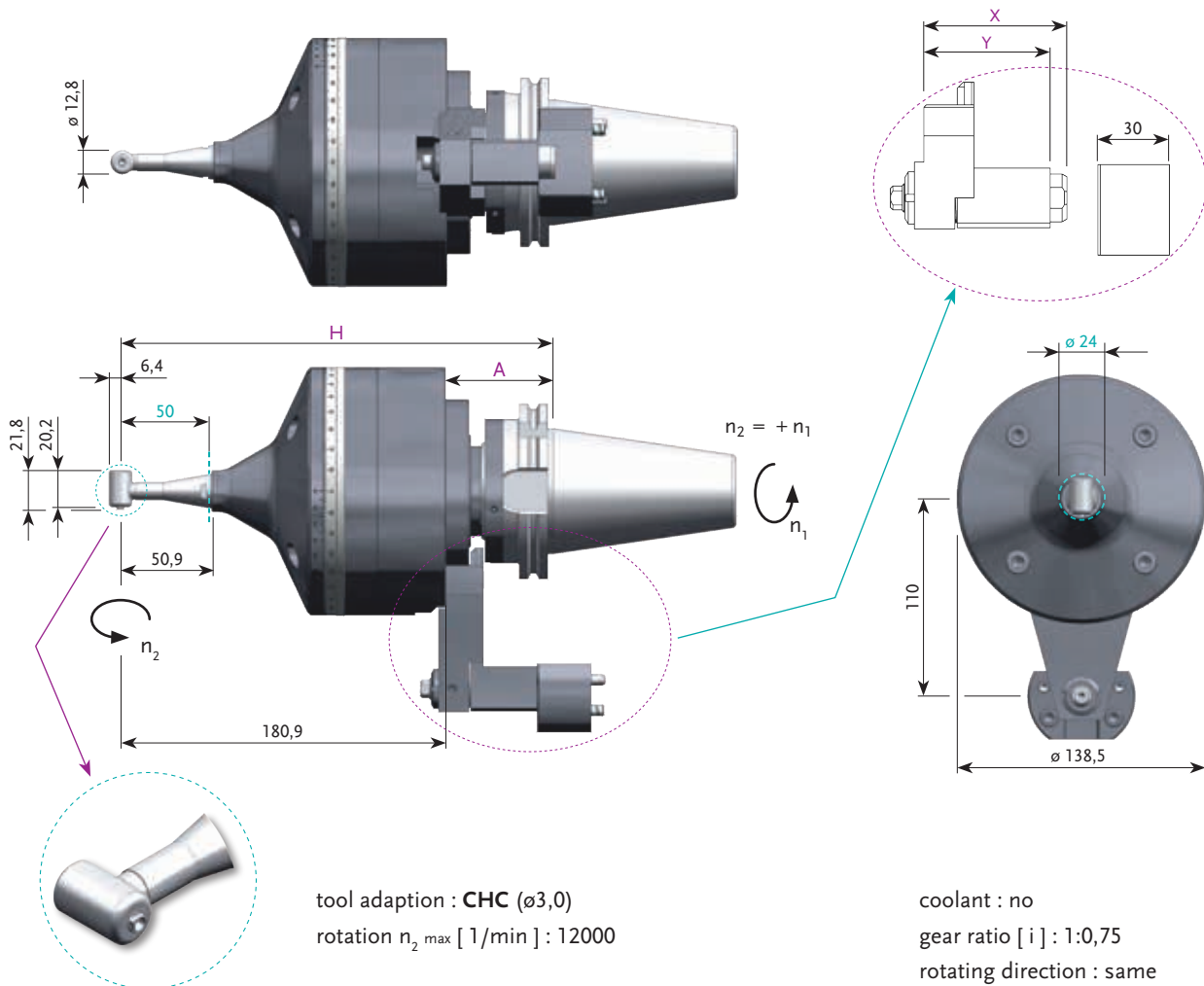
✗ = not included in delivery
✓ = included in delivery

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, no splash-protection



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 61 000	 DIN 69871 A - SK 50	240,9	60	✓	60	53	✓
7 030 61 030				✓	60	53	✗
7 030 61 060				✗	-	-	✗
7 030 71 000	 DIN 69893 - HSK 100 A	250,9	70	✓	60	53	✓
7 030 71 010				✓	60	53	✗
7 030 71 020				✗	-	-	✗
7 030 61 010	 MAS 403 BT 50	250,9	70	✓	60	53	✓
7 030 61 040				✓	60	53	✗
7 030 61 070				✗	-	-	✗
7 030 61 020	 ANSI B 5.50/ CAT 50 inch	240,9	60	✓	60	53	✓
7 030 61 050				✓	60	53	✗
7 030 61 080				✗	-	-	✗

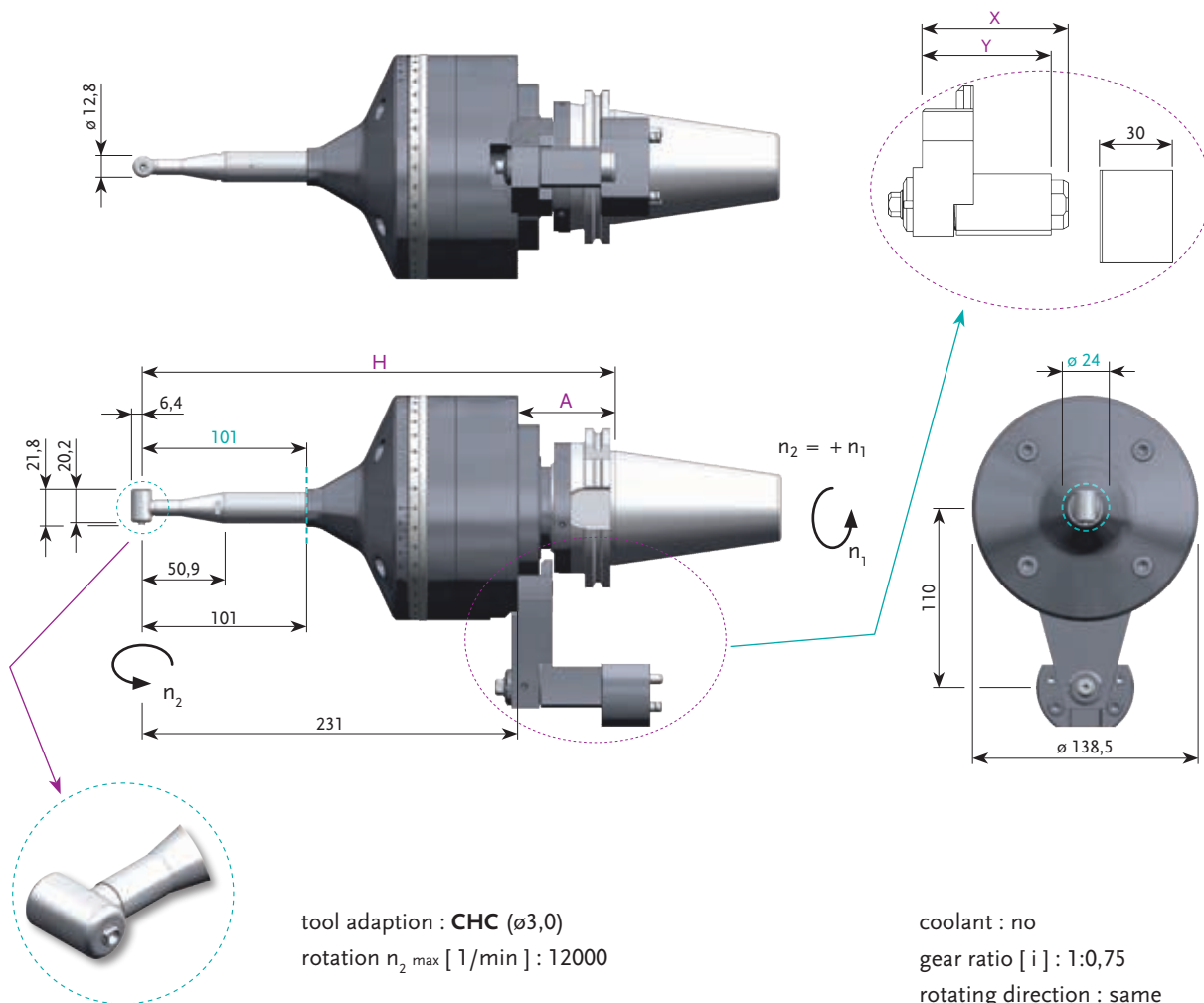
note: support optional!

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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, no splash-protection



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 61 005	 DIN 69871 A - SK 50	291	60	✓	60	53	✓
7 030 61 035				✓	60	53	✗
7 030 61 065				✗	-	-	✗
7 030 71 005	 DIN 69893 - HSK 100 A	301	70	✓	60	53	✓
7 030 71 015				✓	60	53	✗
7 030 71 025				✗	-	-	✗
7 030 61 015	 MAS 403 BT 50	301	70	✓	60	53	✓
7 030 61 045				✓	60	53	✗
7 030 61 075				✗	-	-	✗
7 030 61 025	 ANSI B 5.50/ CAT 50 inch	291	60	✓	60	53	✓
7 030 61 055				✓	60	53	✗
7 030 61 085				✗	-	-	✗

note: support optional!

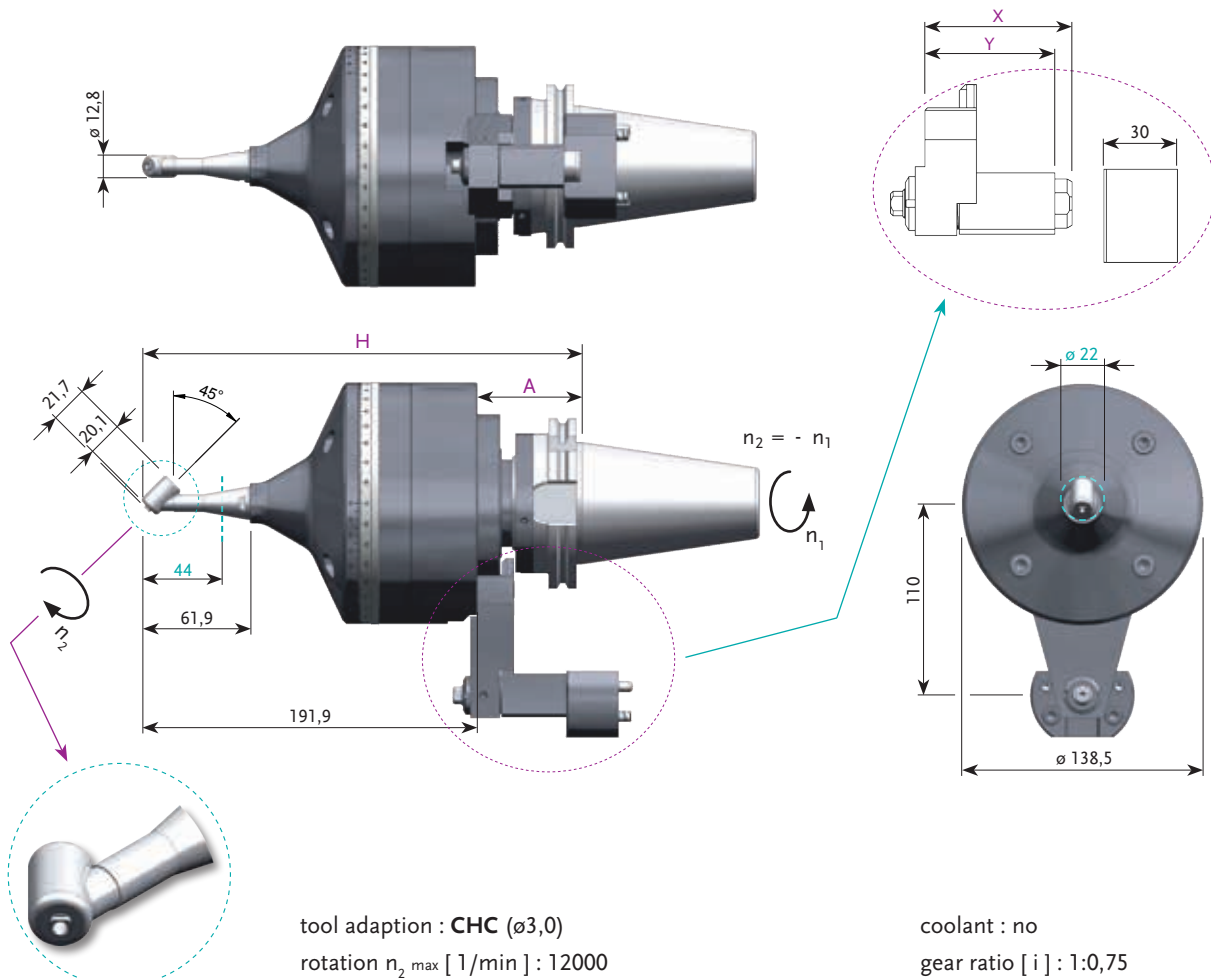
✗ = not included in delivery
✓ = included in delivery

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, no splash-protection



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 61 000	 DIN 69871 A - SK 50	251,9	60	✓	60	53	✓
7 039 61 006				✓	60	53	✗
7 039 61 012				✗	-	-	✗
7 039 71 000	 DIN 69893 - HSK 100 A	261,9	70	✓	60	53	✓
7 039 71 002				✓	60	53	✗
7 039 71 004				✗	-	-	✗
7 039 61 002	 MAS 403 BT 50	261,9	70	✓	60	53	✓
7 039 61 008				✓	60	53	✗
7 039 61 014				✗	-	-	✗
7 039 61 004	 ANSI B 5.50/ CAT 50 inch	251,9	60	✓	60	53	✓
7 039 61 010				✓	60	53	✗
7 039 61 016				✗	-	-	✗

note: support optional!

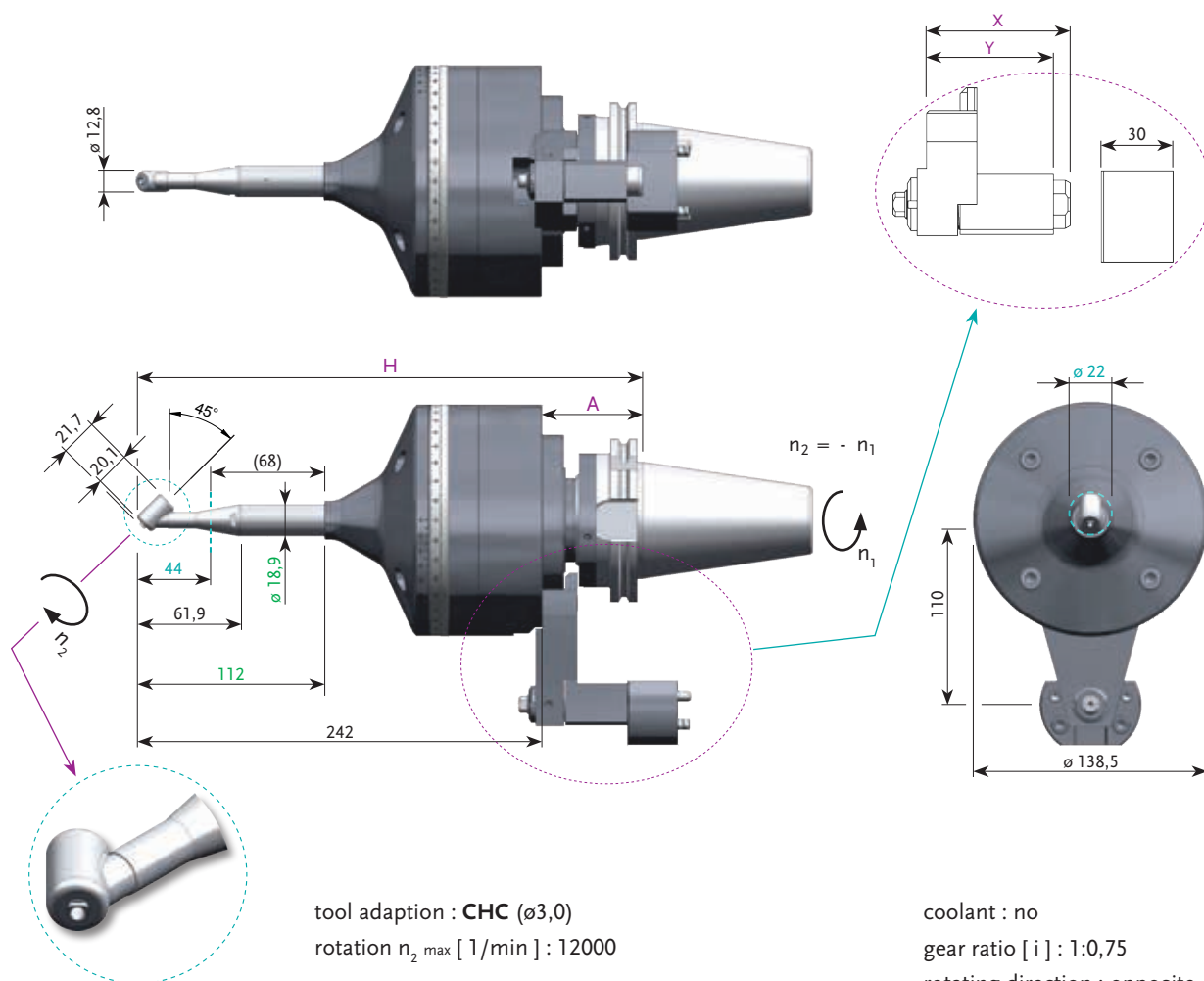
✗ = not included in delivery
✓ = included in delivery

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, no splash-protection



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 61 001	 DIN 69871 A - SK 50	302	60	✓	60	53	✓
7 039 61 007				✓	60	53	✗
7 039 61 013				✗	-	-	✗
7 039 71 001	 DIN 69893 - HSK 100 A	312	70	✓	60	53	✓
7 039 71 003				✓	60	53	✗
7 039 71 005				✗	-	-	✗
7 039 61 003	 MAS 403 BT 50	312	70	✓	60	53	✓
7 039 61 009				✓	60	53	✗
7 039 61 015				✗	-	-	✗
7 039 61 005	 ANSI B 5.50/ CAT 50 inch	302	60	✓	60	53	✓
7 039 61 011				✓	60	53	✗
7 039 61 017				✗	-	-	✗

note: support optional!

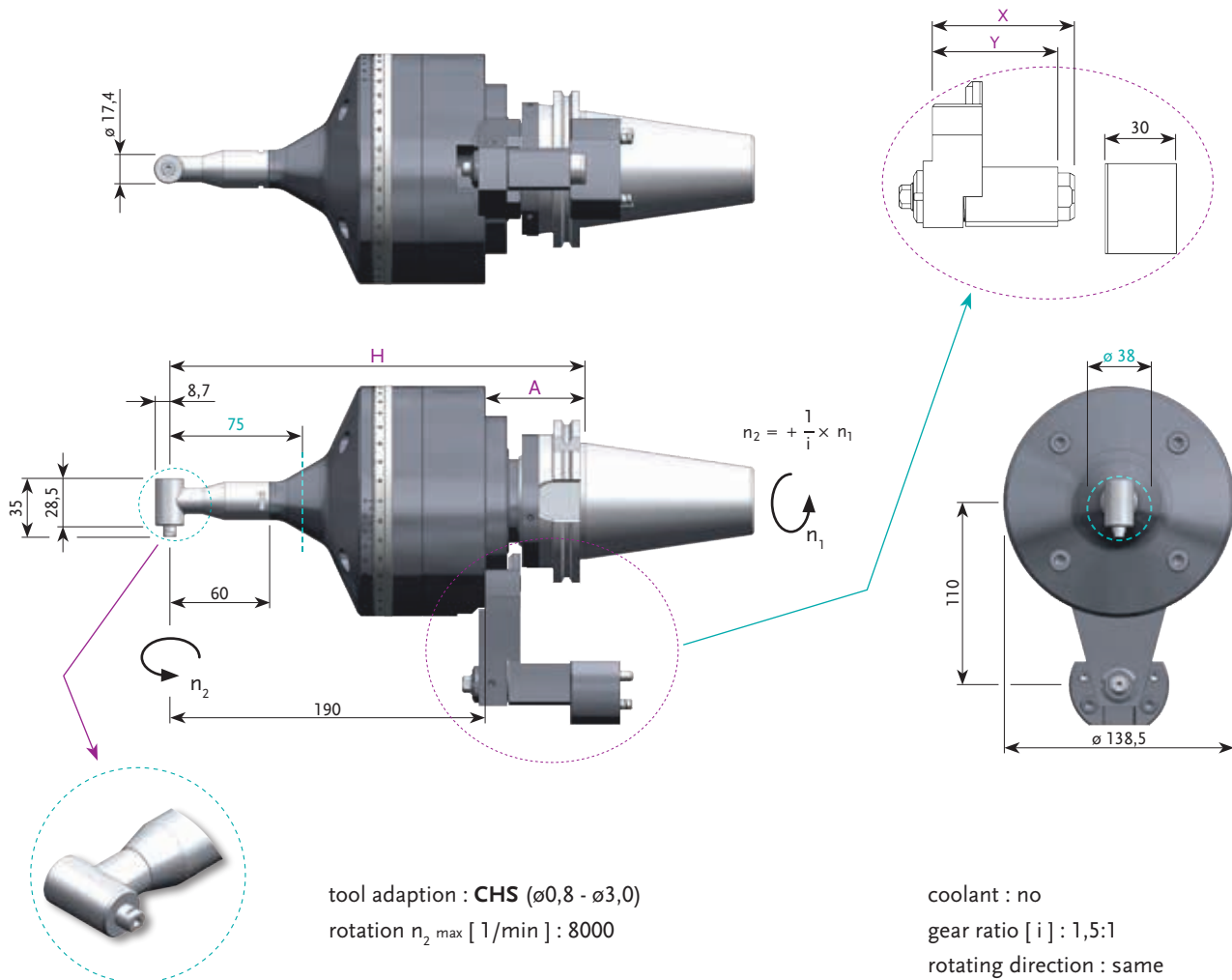
✗ = not included in delivery
✓ = included in delivery

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

► further versions on request

► 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 61 003	 DIN 69871 A - SK 50	250	60	✓	60	53	✓
7 030 61 033				✓	60	53	✗
7 030 61 063				✗	-	-	✗
7 030 71 003	 DIN 69893 - HSK 100 A	260	70	✓	60	53	✓
7 030 71 013				✓	60	53	✗
7 030 71 023				✗	-	-	✗
7 030 61 013	 MAS 403 BT 50	260	70	✓	60	53	✓
7 030 61 043				✓	60	53	✗
7 030 61 073				✗	-	-	✗
7 030 61 023	 ANSI B 5.50/ CAT 50 inch	250	60	✓	60	53	✓
7 030 61 053				✓	60	53	✗
7 030 61 083				✗	-	-	✗

note: support optional!

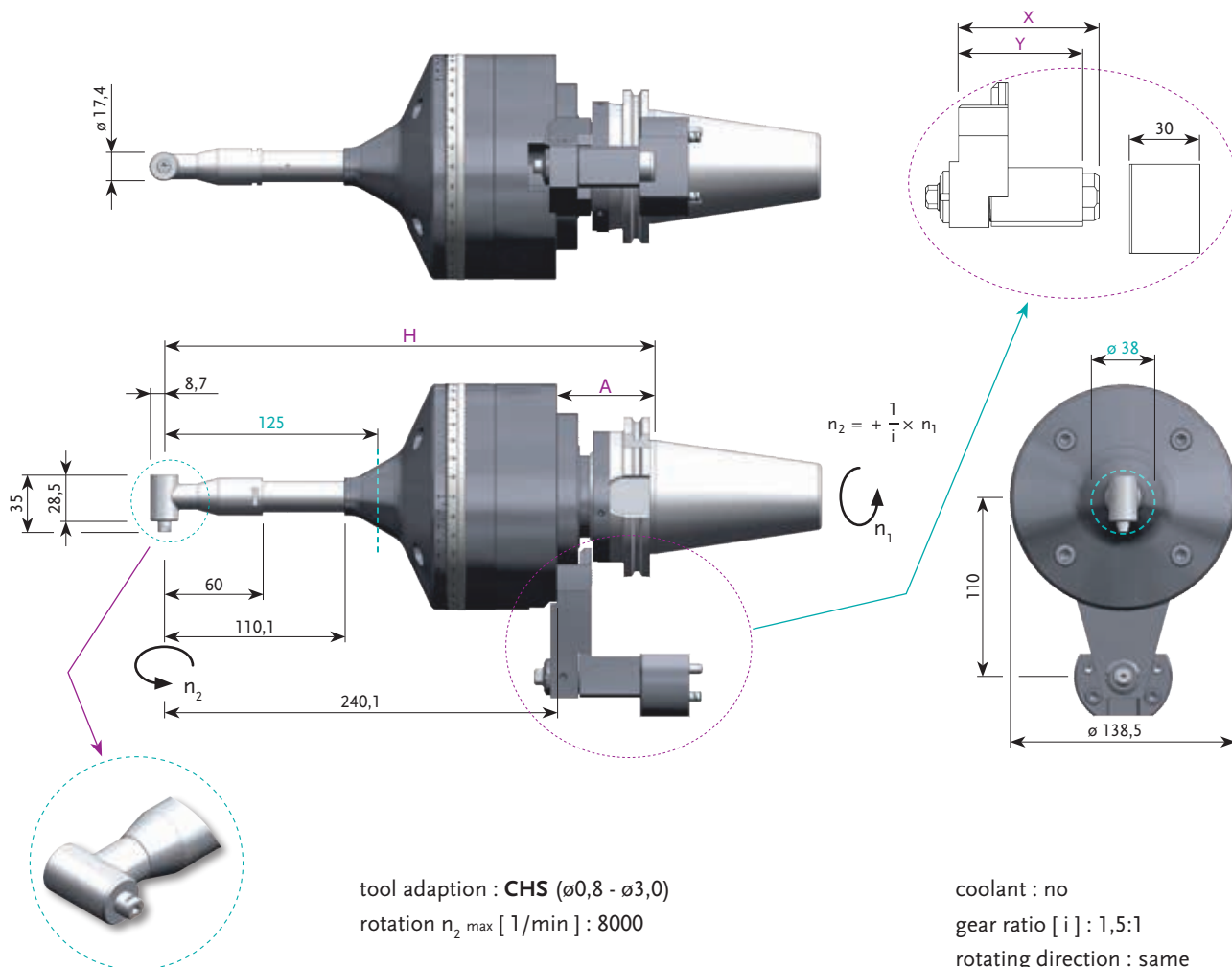
✗ = not included in delivery
✓ = included in delivery

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 61 008	 DIN 69871 A - SK 50	300,1	60	✓	60	53	✓
7 030 61 038				✓	60	53	✗
7 030 61 068				✗	-	-	✗
7 030 71 008	 DIN 69893 - HSK 100 A	310,1	70	✓	60	53	✓
7 030 71 018				✓	60	53	✗
7 030 71 028				✗	-	-	✗
7 030 61 018	 MAS 403 BT 50	310,1	70	✓	60	53	✓
7 030 61 048				✓	60	53	✗
7 030 61 078				✗	-	-	✗
7 030 61 028	 ANSI B 5.50/ CAT 50 inch	300,1	60	✓	60	53	✓
7 030 61 058				✓	60	53	✗
7 030 61 088				✗	-	-	✗

note: support optional!

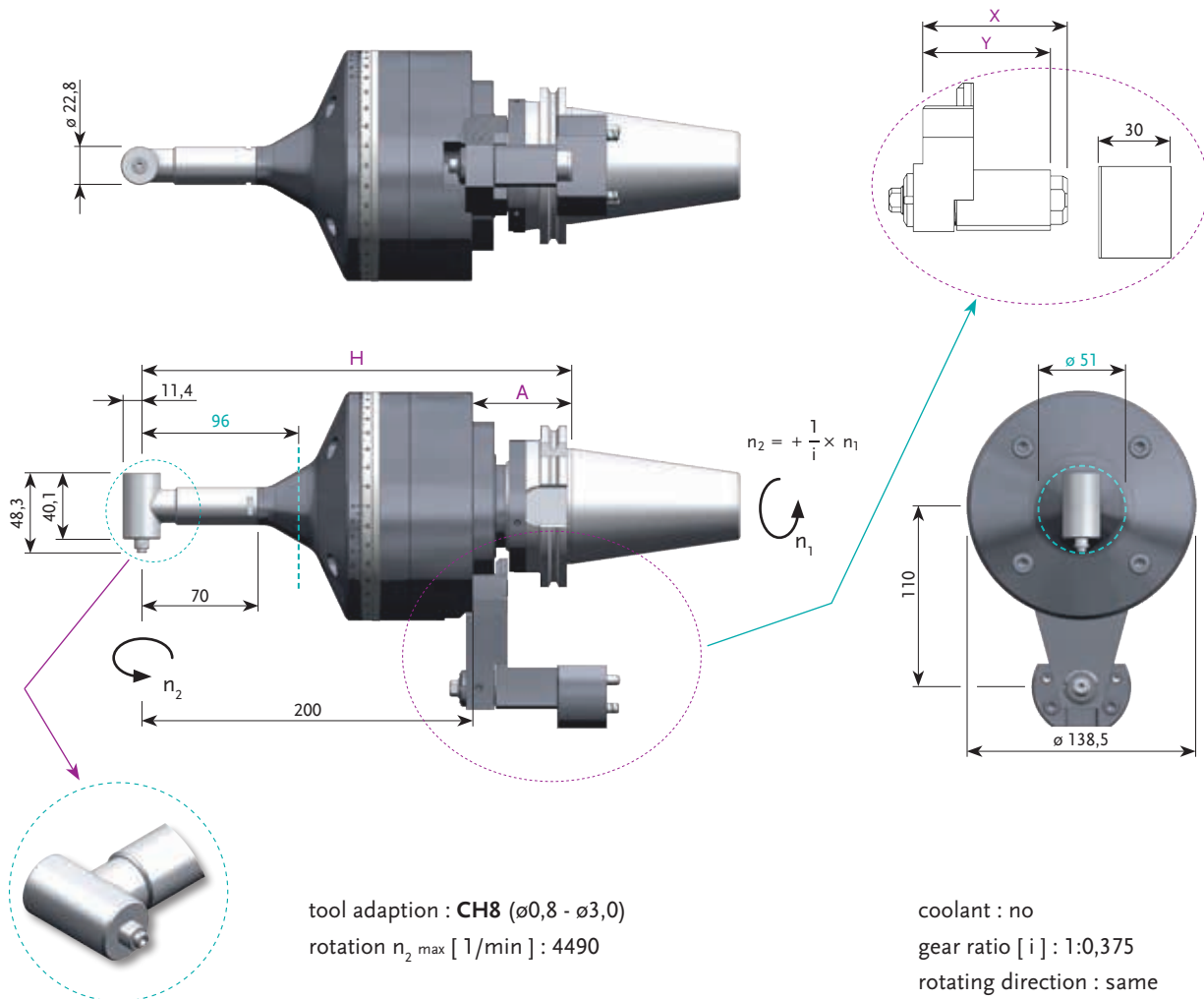
✗ = not included in delivery
✓ = included in delivery

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 61 004	 DIN 69871 A - SK 50	260	60	✓	60	53	✓
7 030 61 034				✓	60	53	✗
7 030 61 064				✗	-	-	✗
7 030 71 004	 DIN 69893 - HSK 100 A	270	70	✓	60	53	✓
7 030 71 014				✓	60	53	✗
7 030 71 024				✗	-	-	✗
7 030 61 014	 MAS 403 BT 50	270	70	✓	60	53	✓
7 030 61 044				✓	60	53	✗
7 030 61 074				✗	-	-	✗
7 030 61 024	 ANSI B 5.50/ CAT 50 inch	260	60	✓	60	53	✓
7 030 61 054				✓	60	53	✗
7 030 61 084				✗	-	-	✗

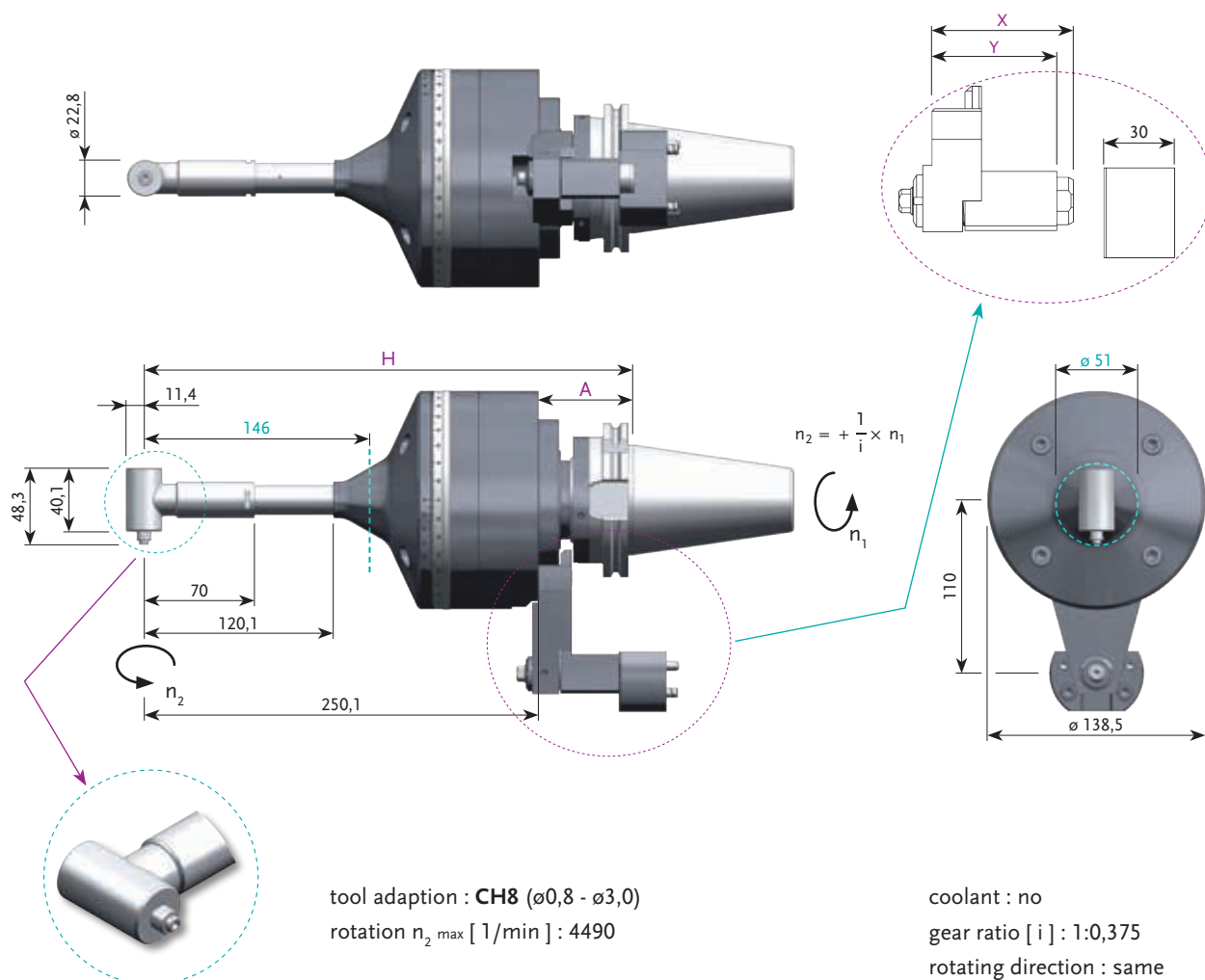
note: support optional!

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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

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 61 009	 DIN 69871 A - SK 50	310,1	60	✓	60	53	✓
7 030 61 039				✓	60	53	✗
7 030 61 069				✗	-	-	✗
7 030 71 009	 DIN 69893 - HSK 100 A	320,1	70	✓	60	53	✓
7 030 71 019				✓	60	53	✗
7 030 71 029				✗	-	-	✗
7 030 61 019	 MAS 403 BT 50	320,1	70	✓	60	53	✓
7 030 61 049				✓	60	53	✗
7 030 61 079				✗	-	-	✗
7 030 61 029	 ANSI B 5.50 / CAT 50 inch	310,1	60	✓	60	53	✓
7 030 61 059				✓	60	53	✗
7 030 61 089				✗	-	-	✗

note: support optional!

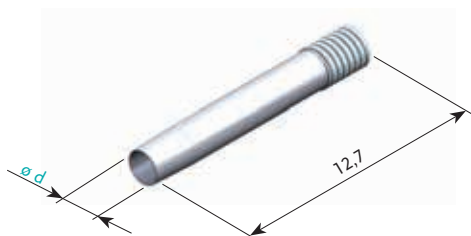
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Dim. **X** = end face fixing bolt / gauge line of the housing
Dim. **Y** = locking device / gauge line of the housing

► further versions on request

► collet K-252

use for : MFC - 300 S



ref.-no.	inner ød [mm]
1 660 022 013	1,6

► collet K-253

use for : MFC - 300 M



ref.-no.	inner ød [mm]
1 660 022 014	1,6

► collet CHC

use for : IC - 300 ; KC - 300



ref.-no.	inner ød [mm]
1 660 022 000	1,0
1 660 022 006	1,6
1 660 022 007	1,8
1 660 022 009	2,0
1 660 022 010	2,35
1 660 022 011	3,0
1 660 022 012	3,175

► collet CHS

use for : RA - 200



ref.-no.	inner ø d [mm]
1 660 022 015	0,8
1 660 022 016	0,9
1 660 022 017	1,0
1 660 022 018	1,1
1 660 022 019	1,2
1 660 022 020	1,3
1 660 022 021	1,4
1 660 022 022	1,5
1 660 022 023	1,6
1 660 022 024	1,7
1 660 022 025	1,8
1 660 022 026	1,9
1 660 022 027	2,0
1 660 022 028	2,1
1 660 022 029	2,2
1 660 022 030	2,3
1 660 022 031	2,35
1 660 022 032	2,4
1 660 022 033	2,5
1 660 022 034	2,6
1 660 022 035	2,7
1 660 022 036	2,8
1 660 022 037	2,9
1 660 022 038	3,0
1 660 022 039	3,175

► collet CH8

use for : RA - 100



ref.-no.	inner ø d [mm]
1 660 022 040	0,8
1 660 022 041	0,9
1 660 022 042	1,0
1 660 022 043	1,1
1 660 022 044	1,2
1 660 022 045	1,3
1 660 022 046	1,4
1 660 022 047	1,5
1 660 022 048	1,6
1 660 022 049	1,7
1 660 022 050	1,8
1 660 022 051	1,9
1 660 022 052	2,0
1 660 022 053	2,1
1 660 022 054	2,2
1 660 022 055	2,3
1 660 022 056	2,35
1 660 022 057	2,4
1 660 022 058	2,5
1 660 022 059	2,6
1 660 022 060	2,7
1 660 022 061	2,8
1 660 022 062	2,9
1 660 022 063	3,0
1 660 022 064	3,175

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

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



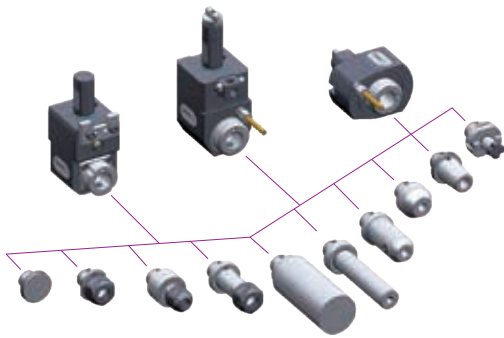
7 039 41 017
Angle Head
KC - 300
CHC



7 030 41 061
Angle Head
MFC - 300 S
K252



► easy-quick HT fast change system



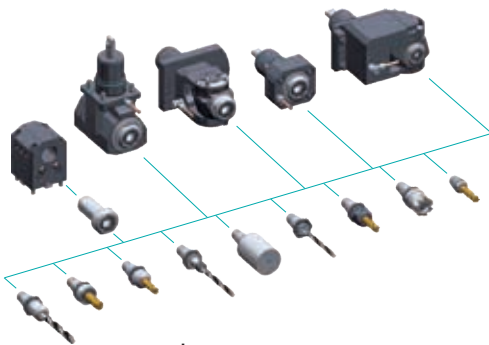
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for driven and static tools

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► u-tec[®] UT change system



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that makes EVERYTHING possible

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