

ANGLE HEAD FIX WFX

► MODULAR DESIGN



► ANGLE HEAD BODY (SIZE)

05

07

15

20

► OUTPUT SPINDLE / CLAMPING SYSTEM



BENZ
Solidfix®



BENZ
CAPTO™



Collet chuck



HSK



Milling arbor



Weldon



Whistle
Notch



KM™

► DRIVE CONE



SK
DIN 69871



MAS BT



CAT



HSK
DIN 69893



Coromant
Capto®



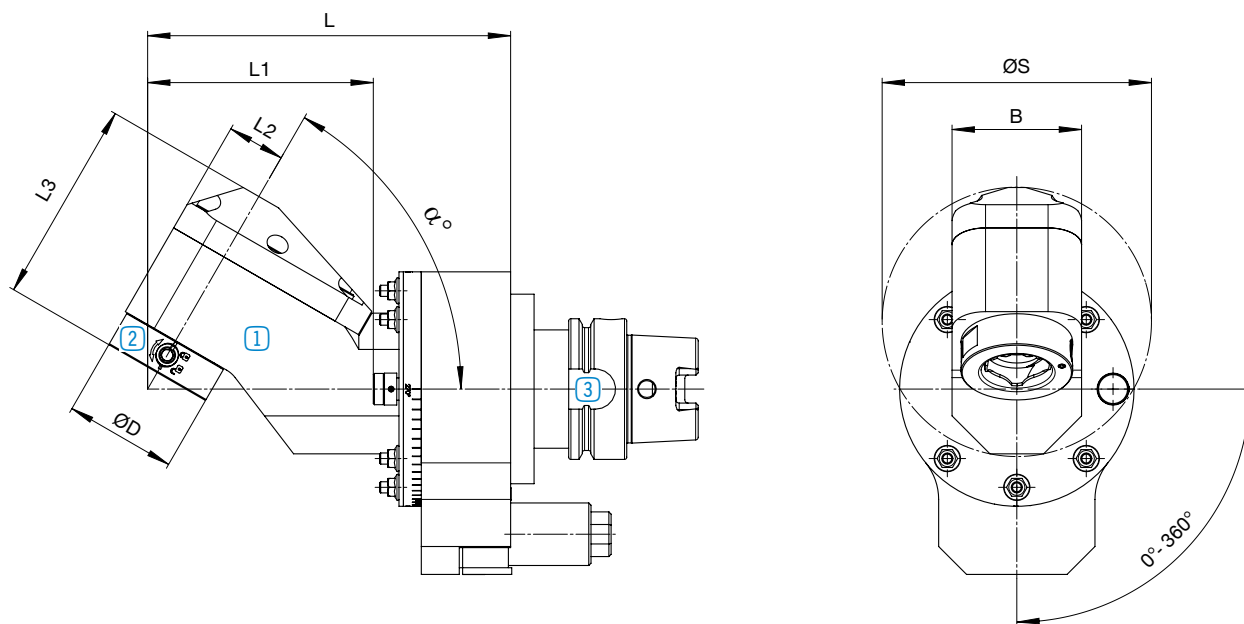
KM™

► Specifications

Change the angle head	Machining	Number of output spindles	Axis angle	Coolant feed for cutting edge

FIX WFX

► Angle head with IC



① Angle head body
P. 54



② Output spindle /
clamping system
P. 56



③ Drive cone
P. 58



Other dimensions for angle heads with BENZ CAPTO™ output spindle. Dimensions available on request.

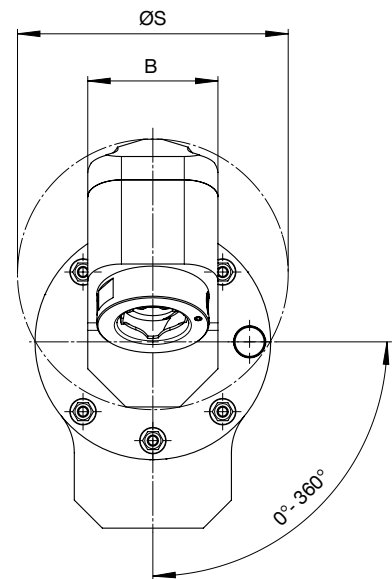
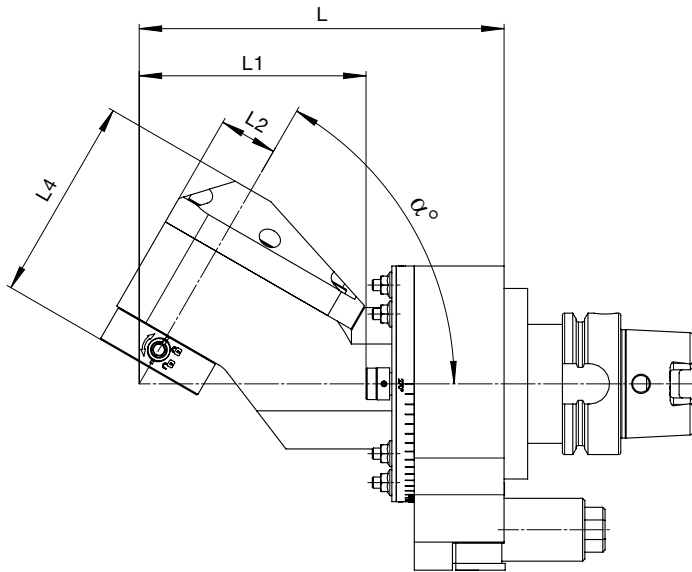
ANGLE HEAD FIX WFX

► ANGLE HEAD BODY (SIZE)



i More sizes on request.
Higher speeds are possible as an option.

► Angle head with IC



Size 05		► Technical data											
M _{max}	i	n _{max}	p _{max}	α [°]	L1 [mm]	L2 [mm]	L4* [mm]	B [mm]	ØS [mm]	L** [mm]	EC	IC	
= 30 Nm	= 1:1	= 8,000 min ⁻¹	= 100 bar	0-120°	138	26	91	54	approx. 108	approx. 200	-	✓	4

Size 07		► Technical data											
M _{max}	i	n _{max}	p _{max}	α [°]	L1 [mm]	L2 [mm]	L4* [mm]	B [mm]	ØS [mm]	L** [mm]	EC	IC	
= 70 Nm	= 1:1	= 6,000 min ⁻¹	= 100 bar	0-120°	163	35	108	80	approx. 141	approx. 225	-	✓	9.5

Size 15		► Technical data											
M _{max}	i	n _{max}	p _{max}	α [°]	L1 [mm]	L2 [mm]	L4* [mm]	B [mm]	ØS [mm]	L** [mm]	EC	IC	
= 150 Nm	= 1:1	= 4,000 min ⁻¹	= 100 bar	0-120°	165	40	125	92	approx. 170	approx. 235	-	✓	13

Size 20		► Technical data											
M _{max}	i	n _{max}	p _{max}	α [°]	L1 [mm]	L2 [mm]	L4* [mm]	B [mm]	ØS [mm]	L** [mm]	EC	IC	
= 230 Nm	= 1:1	= 3,000 min ⁻¹	= 100 bar	0-120°	180	40	125	100	approx. 182	approx. 250	-	✓	16

*Value refers to an angle head with BENZ Solidfix® output spindle

**depending on angle α°

ANGLE HEAD

FIX WFX

► OUTPUT SPINDLE / CLAMPING SYSTEM



i Technical data for other output spindles / clamping systems on request:



Weldon

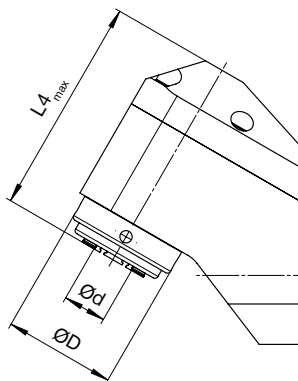


Whistle
Notch



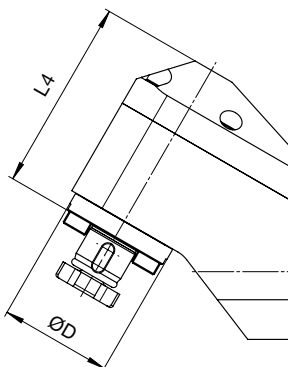
KM™

i We show you **preferable sizes** in the following tables. Smaller output spindles are possible at any time as an option.



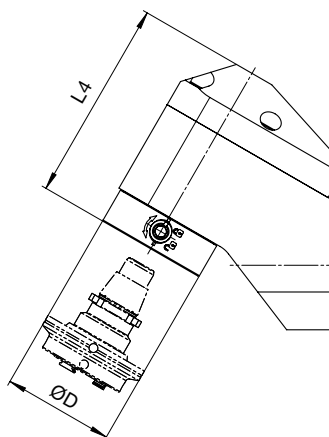
► Technical data

Collet chuck	Size	L4 _{max} [mm]	ØD [mm]	Ød _{max} [mm]
ER25A	05	91	47	16
ER32A	07	106	55	20
ER40A	15	125	70	30



► Technical data

Milling arbor	Size	L4 [mm]	ØD [mm]	Ød [mm]
22	05	83	48	22
27	07	98	60	27
32	15	122	75	32
40	15	125	90	40

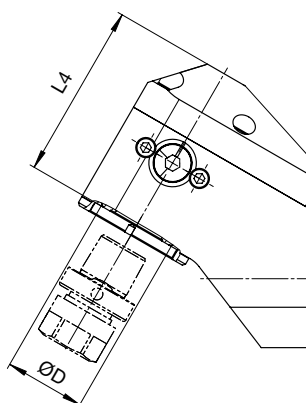


i For adapters and dimensions, see catalogue **BENZ Modular Tool Systems**



► **Technical data**

BENZ Solidfix®	Size	L4 [mm]	ØD [mm]
S3	05	91	50
S4	07	108	63
S5	15	125	75

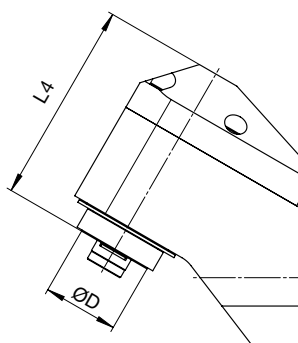


i For adapters and dimensions, see catalogue **BENZ Modular Tool Systems**



► **Technical data**

BENZ CAPTO™	Size	L4 [mm]	ØD [mm]
C3	05	100	32
C4	07	108	40
C5	15	129	50
C6	20	135	63



► **Technical data**

HSK	Size	L4 [mm]	ØD [mm]
HSK 32	05	85	32
HSK 40	07	101	40
HSK 50	15	124	50
HSK 63	15	131	63

ANGLE HEAD FIX WFX

► DRIVE CONE



Technical data for other machine interfaces on request.

Type: Steep taper



	► Size		
SK DIN 69871	05	07	15
SK 40	✓	✓	-
SK 50	✓	✓	✓



	► Size		
MAS BT	05	07	15
BT 40	✓	✓	-
BT 50	✓	✓	✓



	► Size		
CAT	05	07	15
CAT 40	✓	✓	-
CAT 50	✓	✓	✓

Type: Hollow shank taper



HSK
DIN 69893

	► Size		
	05	07	15
HSK 40	-	-	-
HSK 50	✓	-	-
HSK 63	✓	✓	-
HSK 80	✓	✓	✓
HSK 100	✓	✓	✓



Coromant Capto®

	► Size		
	05	07	15
C3	-	-	-
C4	✓	-	-
C5	✓	✓	✓
C6	✓	✓	✓
C8	✓	✓	✓



Kennametal™

	► Size		
	05	07	15
KM 40	-	-	-
KM 50	✓	-	-
KM 63	✓	✓	-
KM 80	✓	✓	✓
KM 100	✓	✓	✓