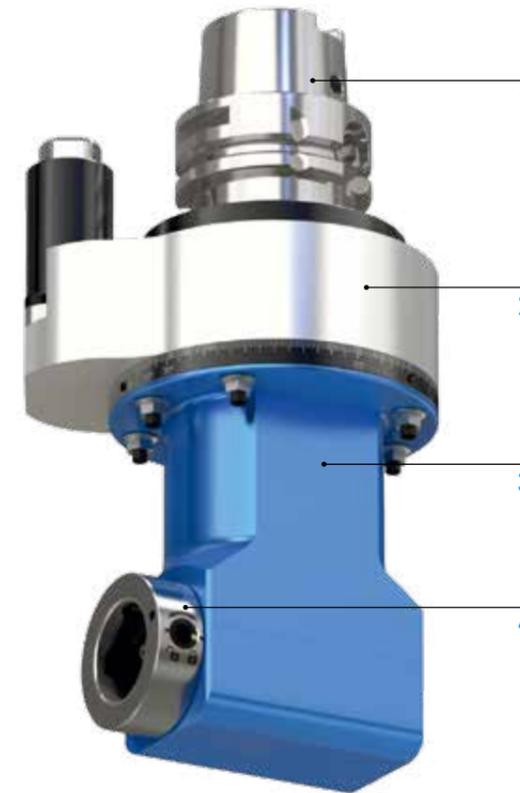


ANGLE HEAD MONO WSX

ANGLE HEAD 90° – SINGLE OUTPUT SPINDLE

Angle head for machining without spatial constraint

Feasible on request: external cooling (EC), internal cooling (IC) or EC/IC combination



1 TAPER



2 TORQUE ARM

optional: customized torque arm
more information on page 25

3 FRONT HEAD (SIZE)



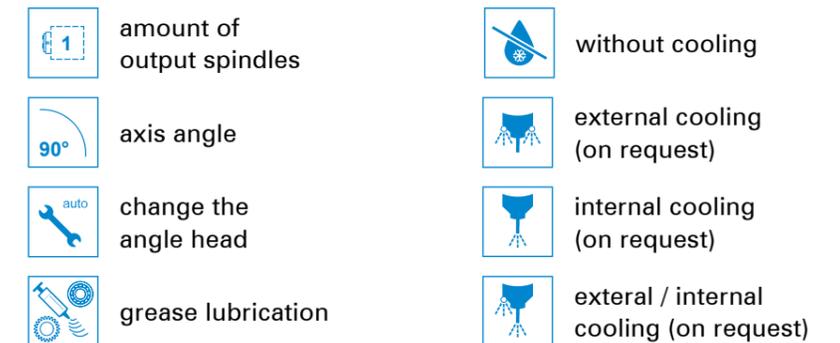
4 OUTPUT SPINDLE



MACHINING

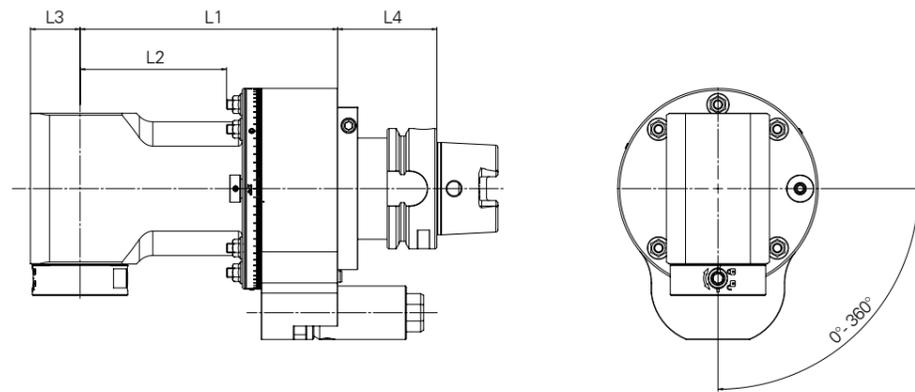


SPECIFICATIONS



ANGLE HEAD MONO WSX

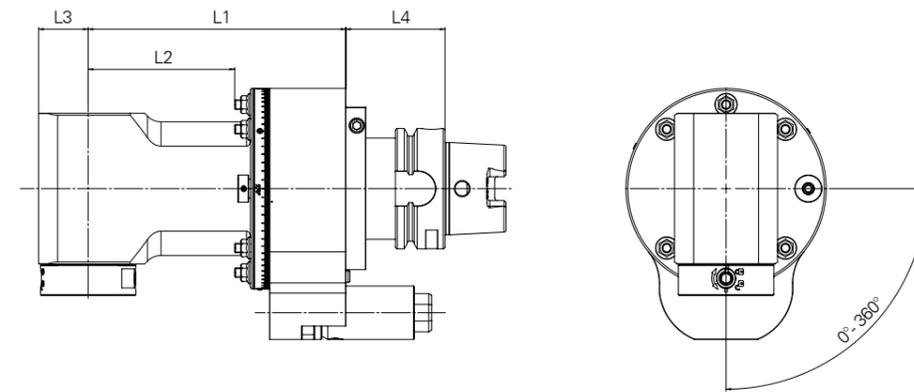
TECHNICAL DATA



04 

M_{max} 15 Nm
 i 1:1
 n_{max} 10.000 rpm

TECHNICAL DATA

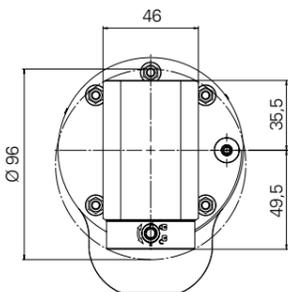


05 

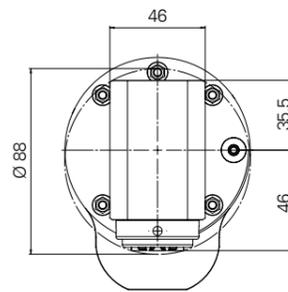
M_{max} 30 Nm
 i 1:1
 n_{max} 8.000 rpm

OUTPUT SPINDLE

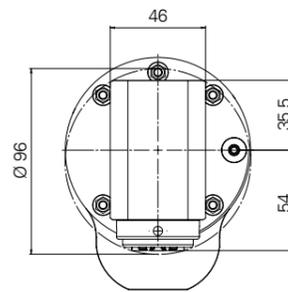
BENZ Solidfix®-S2



Collet chuck-ER16A

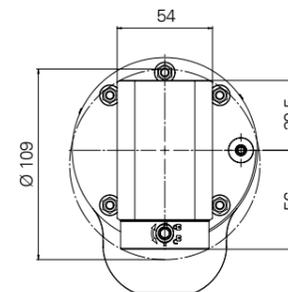


Collet chuck-ER20A

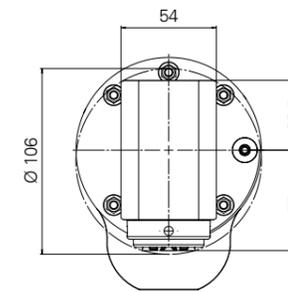


OUTPUT SPINDLE

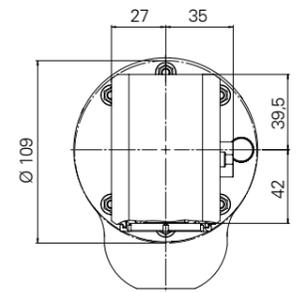
BENZ Solidfix®-S3



Collet chuck-ER25A



BENZ CAPTO™ -C3



 technical data for other output spindles on request

 technical data for other output spindles on request

FRONT HEAD

+OUTPUT SPINDLE

+TAPER

Type Size	Technical data		
	L1 [mm]	L2 [mm]	
04	145	93,5	4,1

Type Size	Technical data		
	L3 [mm]	+ [kg]	
S2	24	0	
ER16A	24	0	
ER20A	24	0	

Type Size	Technical data		
	L4 [mm]	+ [kg]	
HSK-A63	52	0	
HSK-A100	55	1,5	
Capto C6 SK40 CAT40	45	0,1	
Capto C8	45	0,9	
SK50 CAT50	45	2	
BT40	53	0,4	
BT50	60	3,3	

FRONT HEAD

+OUTPUT SPINDLE

+TAPER

Type Size	Technical data		
	L1 [mm]	L2 [mm]	
05	88*	26,5	4,8
	135	73,5	5,6
	195	133,5	6,4

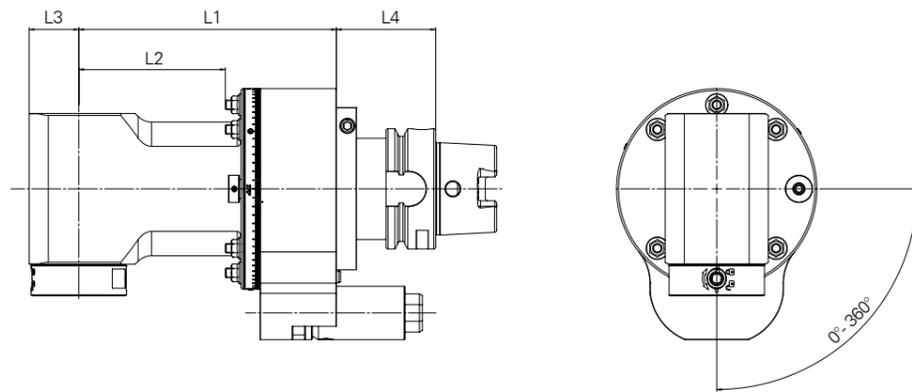
Type Size	Technical data		
	L3 [mm]	+ [kg]	
S3	26	0	
ER25A	26	0	
C3	30,5	1	

Type Size	Technical data		
	L4 [mm]	+ [kg]	
HSK-A63	52	0	
HSK-A100	55	1,7	
Capto C6 SK40 CAT40	45	0,1	
Capto C8	45	1,0	
SK50 CAT50	45	2,2	
BT40	53	0,4	
BT50	60	3,5	

* short size: output spindle BENZ CAPTO™ not possible

ANGLE HEAD MONO WSX

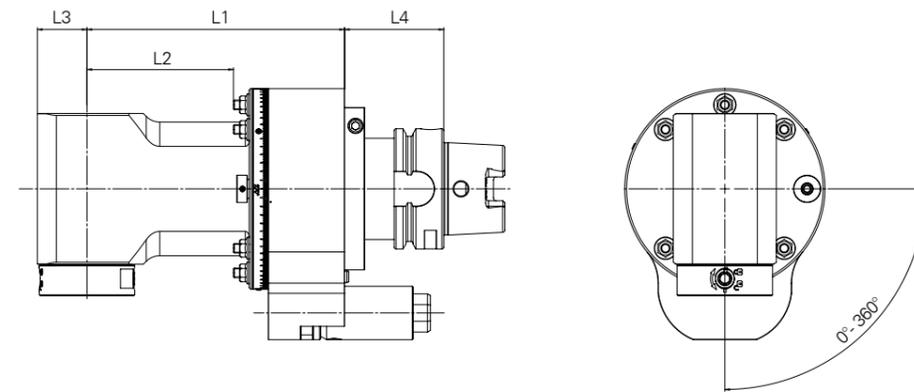
TECHNICAL DATA



07 

M_{max} 70 Nm
 i 1:1
 n_{max} 6.000 rpm

TECHNICAL DATA

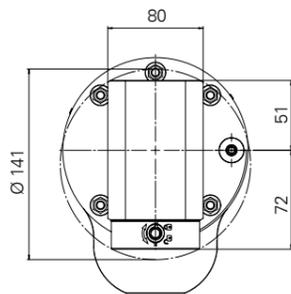


15 

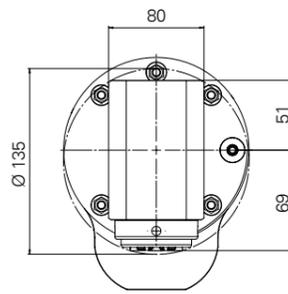
M_{max} 150 Nm
 i 1:1
 n_{max} 4.000 rpm

OUTPUT SPINDLE

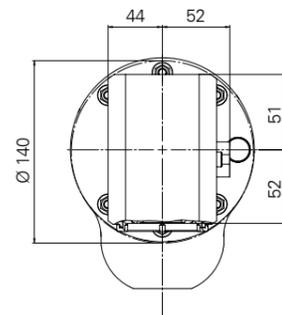
BENZ Solidfix®-S4



Collet chuck-ER32A

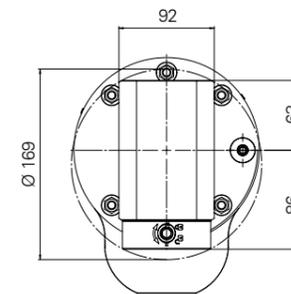


BENZ CAPTO™-C4

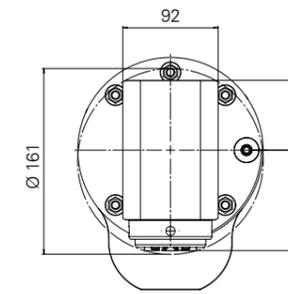


OUTPUT SPINDLE

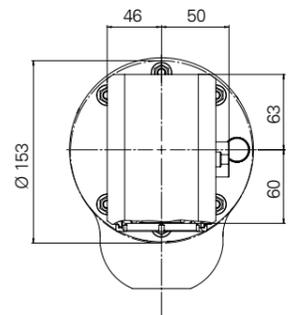
BENZ Solidfix®-S5



Collet chuck-ER40A



BENZ CAPTO™-C5



 technical data for other output spindles on request

 technical data for other output spindles on request

FRONT HEAD

+OUTPUT SPINDLE

+TAPER

Type Size	Technical data		
	L1 [mm]	L2 [mm]	
07	105	43,5	7,5
	150	88	8,7
	215	153,5	10,1

Type Size	Technical data		
	L3 [mm]	+ [mm]	
S4	35	0	0
ER32A	35	0	0
C4	37	0,5	0,5

Type Size	Technical data		
	L4 [mm]	+ [mm]	
HSK-A63	52	0	0
HSK-A100	55	1,9	1,9
Capto C6 SK40 CAT40	45	0,1	0,1
Capto C8	45	1,0	1,0
SK50 CAT50	45	2,2	2,2
BT40	53	0,5	0,5
BT50	60	3,5	3,5

FRONT HEAD

+OUTPUT SPINDLE

+TAPER

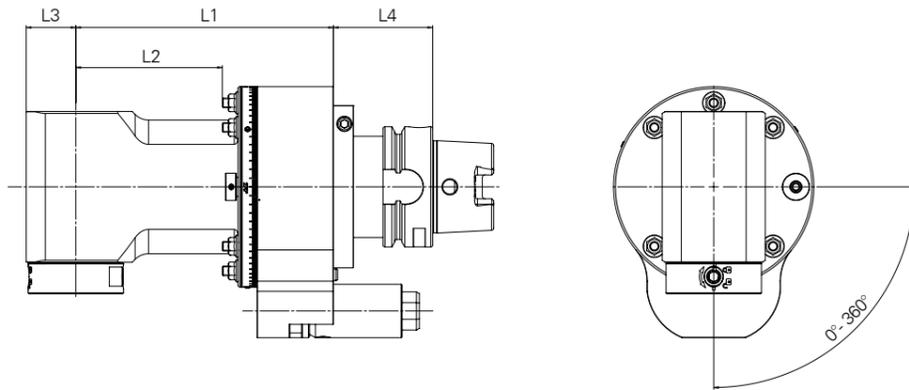
Type Size	Technical data		
	L1 [mm]	L2 [mm]	
15	155	85,5	14,1
	225	155,5	16,3
	298	228,5	19,1

Type Size	Technical data		
	L3 [mm]	+ [mm]	
S5	40	0	0
ER40A	40	0	0
C5	44	0	0

Type Size	Technical data		
	L4 [mm]	+ [mm]	
HSK-A100	55	0	0
Capto C8	45	-0,8	-0,8
SK50 CAT50	45	0,3	0,3
BT50	60	2,9	2,9

ANGLE HEAD MONO WSX

TECHNICAL DATA

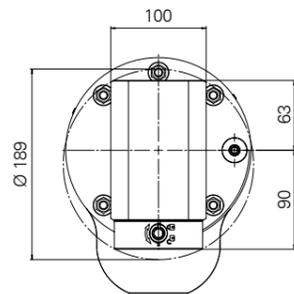


20

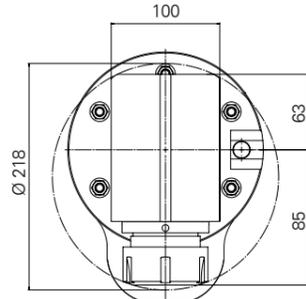
M_{max} 230 Nm
 i 1:1
 n_{max} 3.000 rpm

OUTPUT SPINDLE

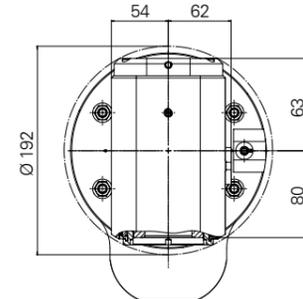
BENZ Solidfix®-S5



Collet chuck-ER50



BENZ CAPTO™-C6



technical data for other output spindles on request

FRONT HEAD

Type Size	Technical data		
	L1 [mm]	L2 [mm]	
20	171	101	19,0
	241	171	21,5
	311	241	24,8

+OUTPUT SPINDLE

Type Size	Technical data	
	L3 [mm]	+ [kg]
S5	45	-0,5
ER50	45	0
C6	50	0,5

+TAPER

Type Size	Technical data	
	L4 [mm]	+ [kg]
HSK-A100	55	0
Capto C8	45	-0,8
SK50 CAT50	45	0,3
BT50	60	1,9

