DN SOLUTIONS BMT

Live Tools & Static Holders

Tooling & Machine Tooling Technology

Metal machining

BENZ TOOLING





AT BENZ TOOLING, OUR MAXIM, INNOVATION, PRECISION, PASSION, IS FAR MORE THAN JUST A MARKETING FORMULA. RATHER, IT DESCRIBES THE CORE GOALS OF OUR BUSINESS WHILE ALSO OUTLINING THE REASONS WHY WE HAVE BEEN ABLE TO COMPETE IN THE MARKET SUCCESSFULLY WITH TOOL SYSTEMS FOR WOODWORKING, METAL MACHINING AND COMPOSITE MATERIAL PROCESSING FOR MORE THAN 40 YEARS.

INNOVATIONS ARE IMPORTANT TO US. BUT WE ALSO RECOGNIZE THAT THEY CAN BE SUCCESSFUL ONLY IF THEY PRECISELY MEET THE NEEDS OF OUR CUSTOMERS. THIS IS WHY WE HAVE MAINTAINED A STRICT FOCUS ON OUR CUSTOMERS FOR MANY YEARS. WE ENSURE THAT OUR DEVELOPMENTS AND INNOVATIONS SIMPLIFY YOUR PRODUCTION PROCESSES AND LOWER YOUR MANUFACTURING COSTS - AND ULTIMATELY IMPROVE YOUR COMPETITIVENESS AS A RESULT.



BENZ TOOLING

FOR DN SOLUTIONS BMT

EXCERPT PRODUCT RANGE



BENZ TOOLING

DN Solutions BMT – ONLINE CATALOG

For more information on our BENZ modular quick-change-systems and accessories please refer to the DN Solutions BMT online catalog.
Visit our website for download:

► www.benztooling.com/en/downloads

DN Solutions
OVERVIEW OF MACHINES – UNIT NAVIGATOR

FIND YOUR TOOLS BASED ON MACHINE TYPES

BMT 45

LYNX (LSYA, LSYC)
+ 220

LYNX (M, LM)
+ 220

LYNX (MA, LMA, MC, LMC)
+ 220

LYNX (YA, YC, LYA, LYC)
+ 220

LYNX (LMSA, LMSC)
+ 1600
+ 2100

PUMA MX (ST)
+ 1600

BMT 55

LYNX (M)
+ 300

PUMA (M, LM, S)
+ 230
+ 240
+ 280

PUMA (M, S, Y)
+ 1500
+ 2000
+ 2500

PUMA (Y, LY, SY, LSY)
+ 2100

PUMA (M, Y, MS, SY)
+ 2100
+ 2600
+ 3100

PUMA MX (T, ST)
+ 2100

PUMA TT (MS, SY)
+ 1500
+ 1800

PUMA VTT (M, S, Y)
+ 2000
+ 2500

PUMA H (M)
+ 250T

PUMA TL (M,LM)
+ 2000
+ 2500

PUMA GT (M, MB)
+ 2100
+ 2600

PUMA QL (M)
+ 200H

TW (M)
+ 2600

1.1 Page 6

1.2 Page 16

BMT 65

PUMA (M, LM, MS, LMS)
+ 2100
+ 2600

PUMA (Y, LY, SY, LSY)
+ 2100
+ 2600

PUMA (M, MS, MB, MC)
+ 300

PUMA (M, LM, LY, XLM, XLY, ULM, ULY)
+ 3100

PUMA MX (T, ST)
+ 2000
+ 2500

PUMA MX (T, ST)
+ 2600

PUMA TT (MS, SY)
+ 2500
+ 2000

PUMA V (M)
+ 400

PUMA VT (M, M-2SP)
+ 450

PUMA VTT / TL (M, S, Y)
+ 2000
+ 2500

1.3 Page 28

BMT 75

PUMA (MA, LMA, MB, LMB, MC, LMC, XLMA, XLMB, XLMC)
+ 400

PUMA (M, LM, XLM)
+ 480

PUMA (M)
+ 500

PUMA (M, LM)
+ 4100

PUMA (M, LM)
+ 5100

PUMA V (M)
+ 550

PUMA VT (M, M-2SP)
+ 750

1.4 Page 40

BMT 85

PUMA (M, LM, XLM, XLY)
+ 600
+ 700
+ 800

PUMA VT (M, M-2SP)
+ 900
+ 1100

1.5 Page 50

LIVE TOOLS - BMT 45
DN Solutions

LIVE TOOLS



AXIAL 8



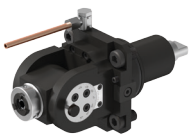
RADIAL 9



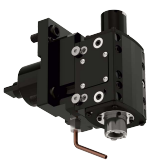
RADIAL, RECESSED 10



DOUBLE-SPINDLE 11

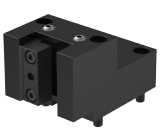


ADJUSTABLE 12



BROACHING UNIT 13

STATIC HOLDERS



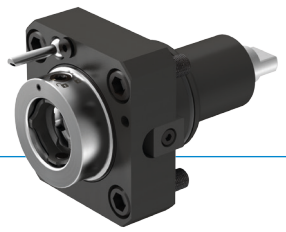
STANDARD 14



BENZ CAPTO™ 15

LIVE TOOL - BMT 45
AXIAL

▶ TECHNICAL DATA





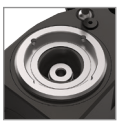
▶ OUTPUT SPINDLES



BENZ Solidfix®



Collet Chuck System ER DIN 6499

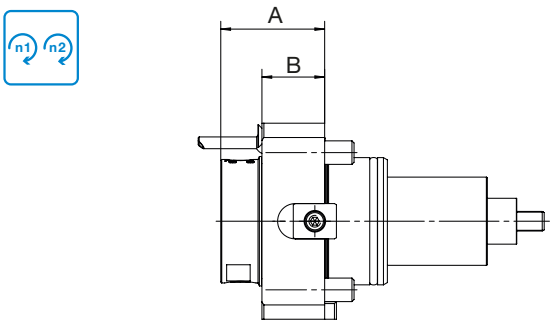


BENZ CAPTO™

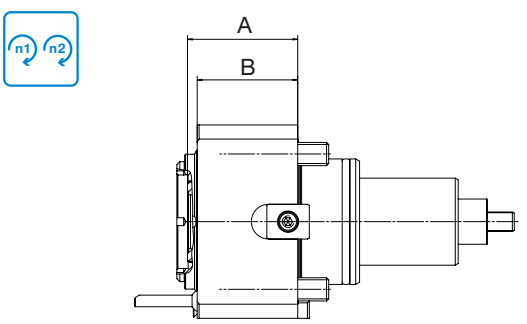
i Other output spindles available upon request

i Accessories see online catalog

BENZ Solidfix®



BENZ CAPTO™



1.1

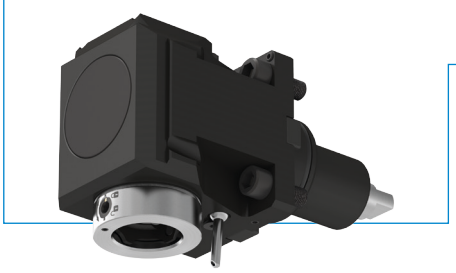
Axial / Live Tools - BMT 45

Output Spindles	Size	i	EC	IC*	n_{1max} / n_{2max} [min^{-1}]	M_{1max} / M_{2max} [Nm]	A_{max} [mm]	B [mm]	Order No.
	▶ Technical Data								
BENZ Solidfix®	S3	1:1	✔	-	8.000 / 8.000	30 / 30	43	25	**113DA056E0S3**
	S3	1:1	✔	✔	8.000 / 8.000	30 / 30	43	25	**113EA05600S3**
Collet Chuck	ER20	1:1	✔	-	8.000 / 8.000	30 / 30	36,5	25	**113DA056E0E4A-Z**
	ER20	1:1	✔	✔	8.000 / 8.000	30 / 30	41,5	25	**113EA05600E4A**
BENZ CAPTO™	C3	1:1	✔	-	8.000 / 8.000	30 / 30	48	50	**113DA05600L3BD**
	C3	1:1	✔	✔	8.000 / 8.000	30 / 30	48	39,5	**113EA05600L3BD**

*Internal Cooling p_{max} = 50 bar

LIVE TOOL - BMT 45
RADIAL

▶ TECHNICAL DATA



▶ LENGTH

65 | 85

▶ OUTPUT SPINDLES



BENZ Solidfix®



Collet Chuck System ER DIN 6499

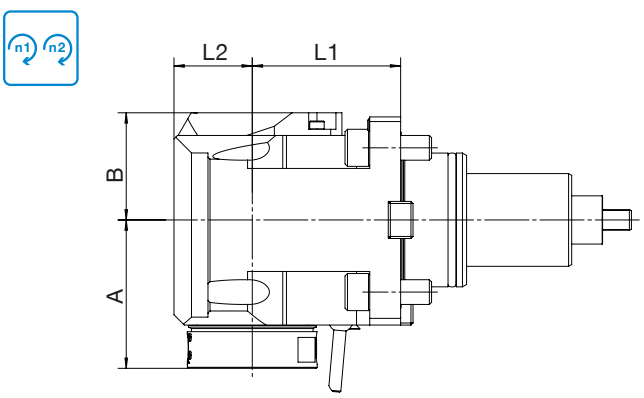


BENZ CAPTO™

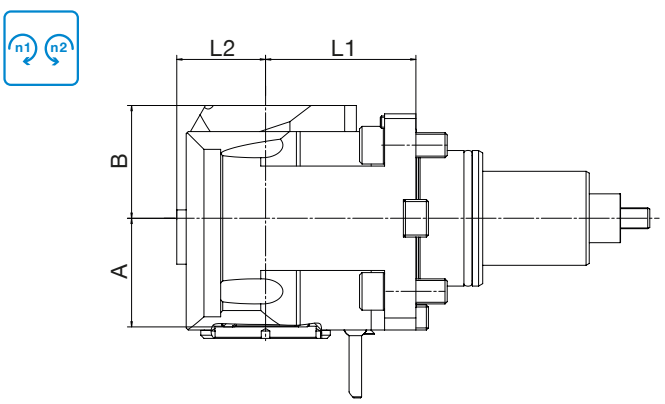
i Other output spindles available upon request

i Accessories see online catalog

BENZ Solidfix®



BENZ CAPTO™



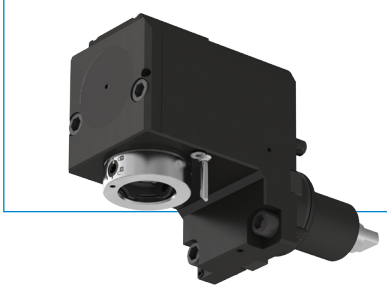
▶ **Technical Data**

Output Spindles	Size	i	EC	IC*	n_{1max} / n_{2max} [min^{-1}]	M_{1max} / M_{2max} [Nm]	A_{max} [mm]	B [mm]	L1 [mm]	L2 [mm]	Order No.
BENZ Solidfix®	S3	1:1	✔	-	8.000 / 8.000	30 / 30	56	40	65	28	**113FAX05639S3D-65**
	S3	1:1	✔	✔	8.000 / 8.000	30 / 30	56	58	65	28	**113GAX05639S3D-65**
	S3	1:1	✔	-	8.000 / 8.000	30 / 30	56	40	85	28	**113FAX056E3S3D-85**
	S3	1:1	✔	✔	8.000 / 8.000	30 / 30	56	58	85	28	**113GAX05639S3D-85**
Collet Chuck	ER20	1:1	✔	-	8.000 / 8.000	30 / 30	51	40	65	28	**113FAX05639E4AD-65**
	ER20	1:1	✔	✔	8.000 / 8.000	30 / 30	56	58	65	28	**113GAX05639E4AD-65**
	ER20	1:1	✔	-	8.000 / 8.000	30 / 30	51	40	85	28	**113FAX056E3E4AD-85-Z**
	ER20	1:1	✔	✔	8.000 / 8.000	30 / 30	56	58	85	28	**113GAX05639E4AD-85**
BENZ CAPTO™	C3	1:1	✔	-	8.000 / 8.000	30 / 30	42	44	65	38,5	**113FAX05639L3BD-65**
	C3	1:1	✔	✔	8.000 / 8.000	30 / 30	42	67,5	65	38,5	**113GAX05639L3BD-65**
	C3	1:1	✔	-	8.000 / 8.000	30 / 30	42	44	85	38,5	**113FAX05639L3BD-85**
	C3	1:1	✔	✔	8.000 / 8.000	30 / 30	42	67,5	85	38,5	**113GAX05639L3BD-85**

*Internal Cooling p_{max} = 100 bar

LIVE TOOL - BMT 45
RADIAL, RECESSED

▶ TECHNICAL DATA



▶ LENGTH

65 85

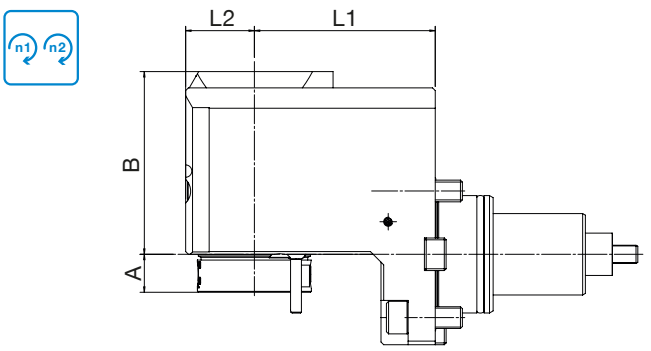
▶ OUTPUT SPINDLES

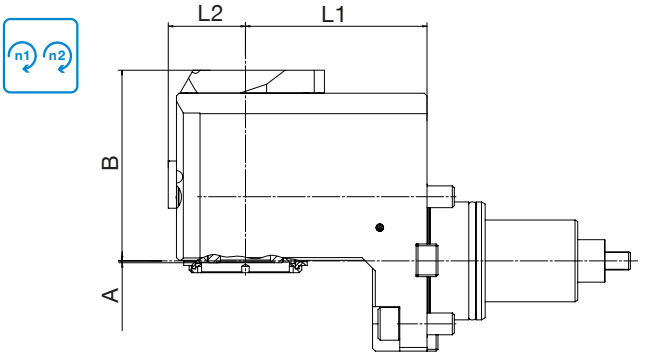




i Other output spindles available upon request

i Accessories see online catalog





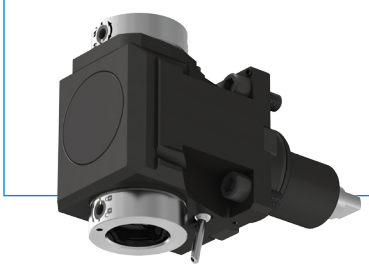
▶ **Technical Data**

Output Spindles	Size	i	EC	IC*	n_{1max} / n_{2max} [min^{-1}]	M_{1max} / M_{2max} [Nm]	A_{max} [mm]	B [mm]	L1 [mm]	L2 [mm]	Order No.
BENZ Solidfix®	S3	1:1	✔	-	8.000 / 8.000	30 / 30	21	75	65	28	**113FBX05639S3D-65**
	S3	1:1	✔	-	8.000 / 8.000	30 / 30	21	75	85	28	**113FBX05639S3D-85**
	S3	1:1	✔	✔	8.000 / 8.000	30 / 30	21	93	65	28	**113GBX05639S3D-65**
	S3	1:1	✔	✔	8.000 / 8.000	30 / 30	21	93	85	28	**113GBX05639S3D-85**
Collet Chuck	ER20	1:1	✔	-	8.000 / 8.000	30 / 30	16	75	65	28	**113FBX05639E4AD-65**
	ER20	1:1	✔	-	8.000 / 8.000	30 / 30	16	75	85	28	**113FBX05639E4AD-85**
	ER20	1:1	✔	✔	8.000 / 8.000	30 / 30	21	93	65	28	**113GBX05639E4AD-65**
	ER20	1:1	✔	✔	8.000 / 8.000	30 / 30	21	93	85	28	**113GBX05639E4AD-85**
BENZ CAPTO™	C3	1:1	✔	-	8.000 / 8.000	30 / 30	7	79	65	38,5	**113FBX05639L3BD-65**
	C3	1:1	✔	-	8.000 / 8.000	30 / 30	7	79	85	38,5	**113FBX05639L3BD-85**
	C3	1:1	✔	✔	8.000 / 8.000	30 / 30	7	102,5	65	38,5	**113GBX05639L3BD-65**
	C3	1:1	✔	✔	8.000 / 8.000	30 / 30	7	102,5	85	38,5	**113GBX05639L3BD-85**

*Internal Cooling p_{max} = 100 bar

LIVE TOOL - BMT 45
DOUBLE-SPINDLE

▶ TECHNICAL DATA



▶ LENGTH

65 | 85

▶ OUTPUT SPINDLES



BENZ Solidfix®



Collet Chuck System ER DIN 6499

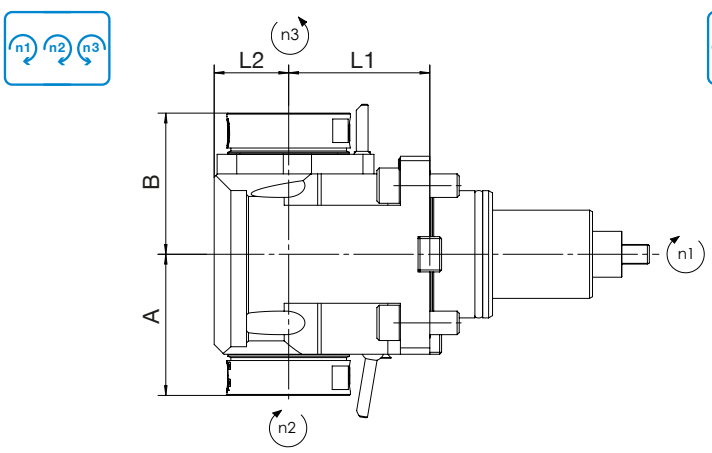


BENZ CAPTO™

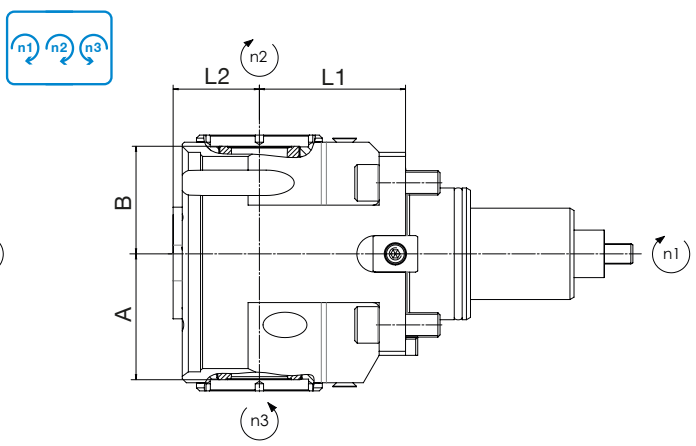
i Other output spindles available upon request

i Accessories see online catalog

BENZ Solidfix®



BENZ CAPTO™

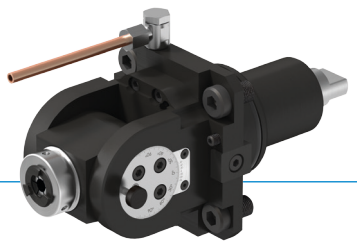


▶ **Technical Data**

Output Spindles	Size	i	EC	IC	n_{1max} / $n_{2\,max}$ [min^{-1}]	$M_{1\,max}$ / $M_{2\,max}$ [Nm]	A_{max} [mm]	B [mm]	L1 [mm]	L2 [mm]	Order No.
BENZ Solidfix®	S3	1:1	✔	-	8.000 / 8.000	30 / 30	59	56	65	28	**113FAX05639S32-65**
	S3	1:1	✔	-	8.000 / 8.000	30 / 30	59	56	85	28	**113FAX05639S32-85**
Collet Chuck	ER25	1:1	✔	-	8.000 / 8.000	30 / 30	51	51	65	28	**113FAX05639E5A2-65**
	ER25	1:1	✔	-	8.000 / 8.000	30 / 30	51	51	85	28	**113FAX05639E5A2-85**
BENZ CAPTO™	C3	1:1	✔	-	8.000 / 8.000	30 / 30	52	45	65	38,5	**113FAX05639L3BD2-65**
	C3	1:1	✔	-	8.000 / 8.000	30 / 30	52	45	85	38,5	**113FAX05639L3BD2-85**

LIVE TOOL - BMT 45
ADJUSTABLE

▶ TECHNICAL DATA



▶ OUTPUT SPINDLES

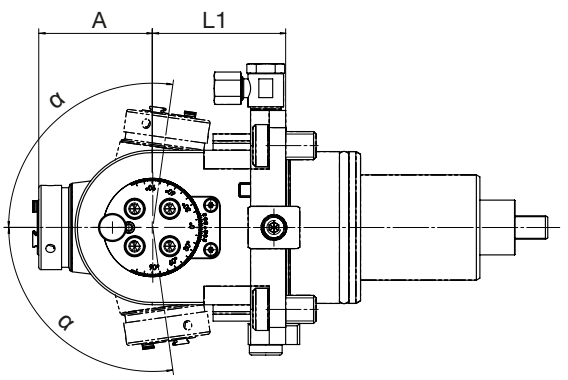


Collet Chuck
System ER
DIN 6499

Other output spindles available upon request

Accessories see online catalog

Collet Chuck



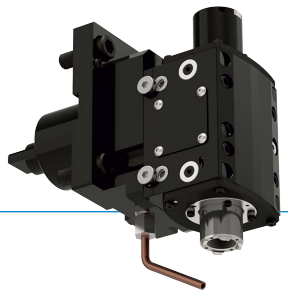
▶ **Technical Data**

Output Spindles	Size	i	EC	IC*	n_{1max} / $n_{2\,max}$ [min^{-1}]	$M_{1\,max}$ / $M_{2\,max}$ [Nm]	A_{max} [mm]	L1 [mm]	α [°]	Order No.
Collet Chuck	ER16	1:0,879	✔	-	8.000 / 7.000	10 / 12	51,1	57	± 98	**113FDX05639E3A**
	ER16	1:0,879	✔	✔	8.000 / 7.000	10 / 12	56	57	± 98	**113GDX05639E3A**
	ER16	1:2	✔	-	4.000 / 8.000	16 / 8	50,6	46	± 105	**113FK05638E3**

*Internal Cooling p_{max} = 50 bar

LIVE TOOL - BMT 45
BROACHING UNIT BENZ LINA 4.0

▶ TECHNICAL DATA



▶ LENGTH (GS)

72

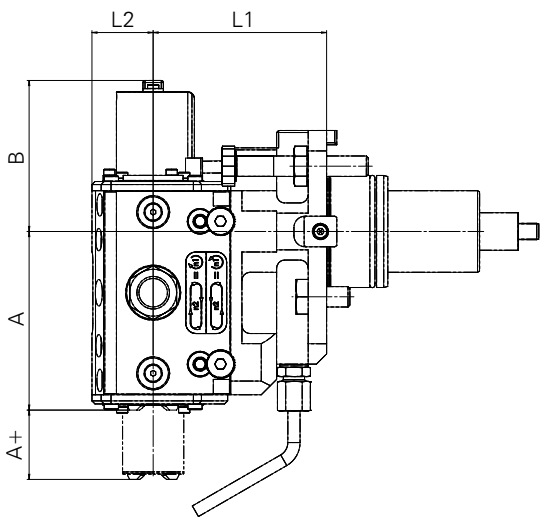
▶ OUTPUT SPINDLE



similar to prism
Ø 30mm

1 | 90°

Accessories see online catalog



▶ Performance Data

Type	n_{max} [min^{-1}]	$M1_{max}$ [Nm]	f_{max} [mm]	Groove $width_{max}$ [mm]
GS	3.000/1.500	15	0,02-0,10	8-12

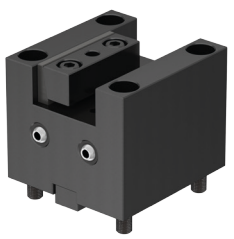
▶ Technical Data

Type	Size	i	EC	IC	*Stroke	A [mm]	A+ [mm]	B [mm]	L1 [mm]	L2 [mm]	Order No.
GS	16	2:1	✔	✔	32	85,5	34	68,5	72	30	**113GS05602B2D-72**

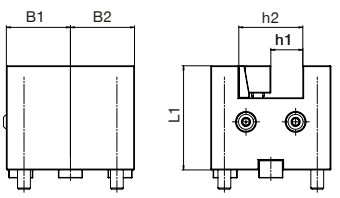
*Usable working stroke

STATIC HOLDER - BMT 45

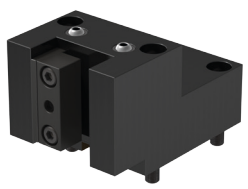
Face and I.D. Turning Tool - Single



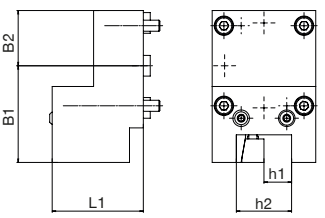
▶ **Technical Data**

Drawing	h1 [mm]	h2 [mm]	L [mm]	B1 [mm]	B2 [mm]	Order No.
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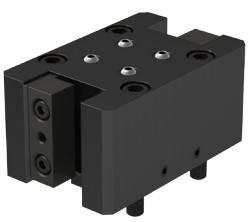
O.D. Turning Tool - Single



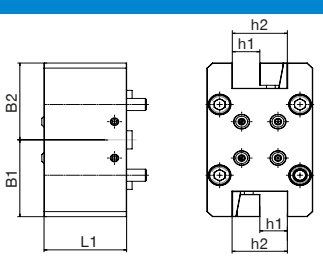
▶ **Technical Data**

Drawing	h1 [mm]	h2 [mm]	L1 [mm]	B1 [mm]	B2 [mm]	Order No.
	20	40	66	70	40	**113A056560001**

O.D. Turning Tool - Double



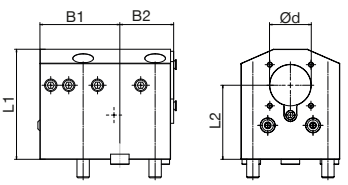
▶ **Technical Data**

Drawing	h1 [mm]	h2 [mm]	L1 [mm]	B1 [mm]	B2 [mm]	Order No.
	20	40	60	62	62	**113A056567001**

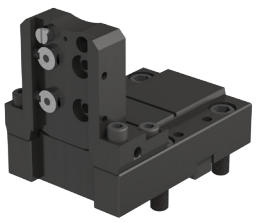
Boring Bar Holder



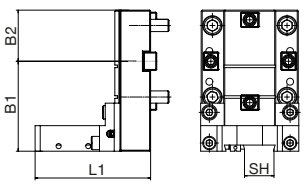
▶ **Technical Data**

Drawing	Ø d [mm]	L1 [mm]	L2 [mm]	B1 [mm]	B2 [mm]	Order No.
	32	95	65	40	43	**113A056578001**

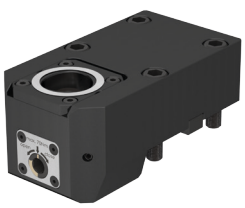
Cut-Off Holder



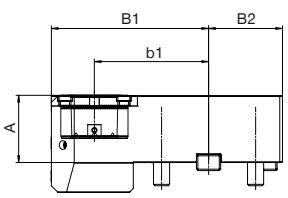
▶ **Technical Data**

Drawing	SH [mm]	L1 [mm]	B1 [mm]	B2 [mm]	Order No.
	26	78	75	40	**113A056583001**

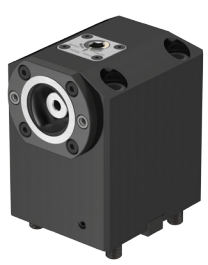
Axial Holder - Single | BENZ CAPTO™



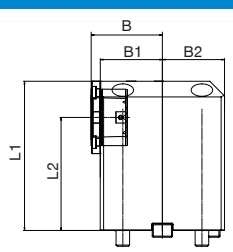
▶ **Technical Data**

Drawing	Size	A [mm]	b1 [mm]	B1 [mm]	B2 [mm]	Order No.
	C4	50	58	82	40	**113AV056L4BDU-50**
	C4	50	58	82	40	**113AV056L4BDN-50**

Radial Holder - Single | BENZ CAPTO™



▶ **Technical Data**

Drawing	Size	L1 [mm]	L2 [mm]	B [mm]	B1 [mm]	B2 [mm]	Order No.
	C4	89	65	62	58	40	**113AP056L4BDU-65**
	C4	89	65	62	58	40	**113AP056L4BDN-65**

LIVE TOOLS - BMT 55
DN Solutions

LIVE TOOLS



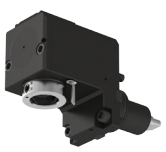
AXIAL 18



AXIAL, OFFSET 19



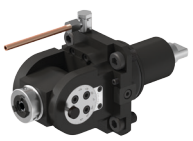
RADIAL 20



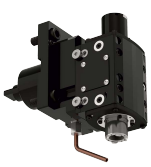
RADIAL, RECESSED 22



DOUBLE-SPINDLE 23



ADJUSTABLE 24

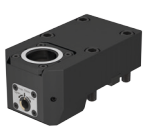


BROACHING UNIT 25

STATIC HOLDERS



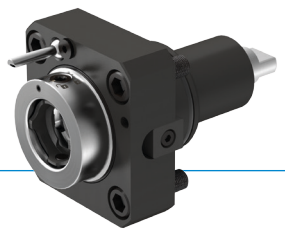
STANDARD 26



BENZ CAPTO™ 27

LIVE TOOL - BMT 55
AXIAL

▶ TECHNICAL DATA





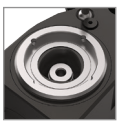
▶ OUTPUT SPINDLES



BENZ Solidfix®



Collet Chuck System ER DIN 6499



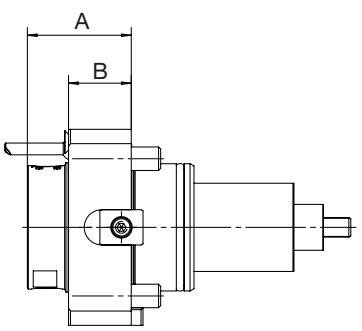
BENZ CAPTO™

Other output spindles available upon request

Accessories see online catalog

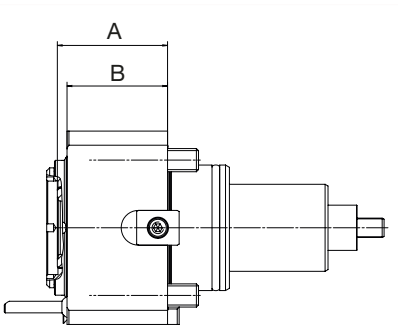
BENZ Solidfix®





BENZ CAPTO™





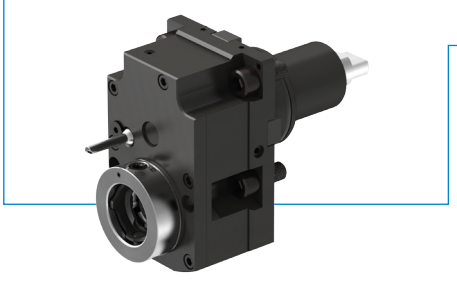
▶ **Technical Data**

Output Spindles	Size	i	EC	IC*	n_{1max} / $n_{2\,max}$ [min^{-1}]	$M_{1\,max}$ / $M_{2\,max}$ [Nm]	A_{max} [mm]	B [mm]	Order No.
BENZ Solidfix®	S3	1:1	✔	-	6.000 / 6.000	50 / 50	49	30	**114DA11400S3**
	S3	1:1	✔	✔	6.000 / 6.000	50 / 50	49	30	**114EA11400S3**
	S4	1:1	✔	-	6.000 / 6.000	50 / 50	51	30	**114DA11400S4**
	S4	1:1	✔	✔	6.000 / 6.000	50 / 50	51	30	**114EA11400S4**
Collet Chuck	ER25	1:1	✔	-	6.000 / 6.000	50 / 50	42,9	30	**114DA11400E5A**
	ER25	1:1	✔	✔	6.000 / 6.000	50 / 50	47,9	30	**114EA11400E5A**
	ER32	1:1	✔	-	6.000 / 6.000	50 / 50	55,1	30	**114DA11400E6A**
	ER32	1:1	✔	✔	6.000 / 6.000	50 / 50	60,2	30	**114EA11400E6A**
BENZ CAPTO™	C3	1:1	✔	-	6.000 / 6.000	50 / 50	49	40,5	**114DA11400L3BD**
	C3	1:1	✔	✔	6.000 / 6.000	50 / 50	49	40,5	**114EA11400L3BD**
	C4	1:1	✔	-	6.000 / 6.000	70 / 70	57	58,5	**114DA11400L4BD**
	C4	1:1	✔	✔	6.000 / 6.000	70 / 70	57	58,5	**114EA11400L4BD**

*Internal Cooling p_{max} = 50 bar

LIVE TOOL - BMT 55
AXIAL, OFFSET

▶ TECHNICAL DATA

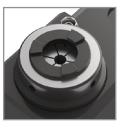




▶ OUTPUT SPINDLES



BENZ Solidfix®



Collet Chuck System ER DIN 6499

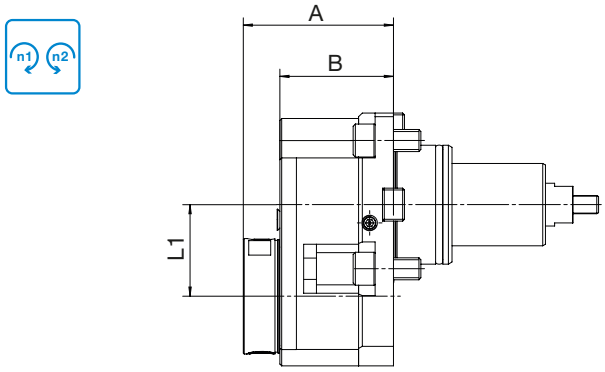


BENZ CAPTO™

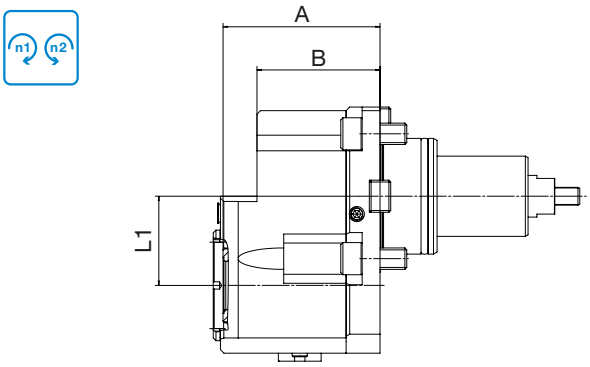
i Other output spindles available upon request

i Accessories see online catalog

BENZ Solidfix®



BENZ CAPTO™



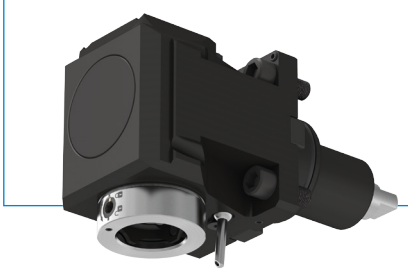
▶ **Technical Data**

Output Spindles	Size	i	EC	IC*	n_{1max} / n_{2max} [min^{-1}]	M_{1max} / M_{2max} [Nm]	A_{max} [mm]	B [mm]	L1 [mm]	Order No.
BENZ Solidfix®	S3	1:1	✔	-	6.000 / 6.000	30 / 30	70	53	42	**114DM11494S3D**
	S3	1:1	✔	✔	6.000 / 6.000	30 / 30	77	60	42	**114EM11494S3D**
	S3	1:2	✔	-	6.000 / 12.000	30 / 15	70	53	42	**114DI11494S3D**
	S3	1:2	✔	✔	6.000 / 12.000	30 / 15	77	60	42	**114EI11494S3D**
Collet Chuck	ER25	1:1	✔	-	6.000 / 6.000	30 / 30	71,9	53	42	**114DM11494E5AD**
	ER25	1:1	✔	✔	6.000 / 6.000	30 / 30	83,9	60	42	**114EM11494E5AD**
	ER25	1:2	✔	-	6.000 / 12.000	30 / 15	71,9	53	42	**114DI11494E5AD**
	ER25	1:2	✔	✔	6.000 / 12.000	30 / 15	83,9	60	42	**114EI11494E5AD**
BENZ CAPTO™	C3	1:1	✔	-	6.000 / 6.000	30 / 30	75	55	42	**114DM11494L3BD**
	C3	1:1	✔	✔	6.000 / 6.000	30 / 30	82	62	42	**114EM11494L3BD**
	C3	1:2	✔	-	6.000 / 12.000	30 / 15	75	55	42	**114DI11494L3BD**
	C3	1:2	✔	✔	6.000 / 12.000	30 / 15	82	62	42	**114EI11494L3BD**

*Internal Cooling p_{max} = 100 bar

LIVE TOOL - BMT 55
RADIAL

▶ TECHNICAL DATA



▶ LENGTH

60 | 70 | 85

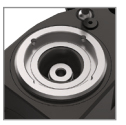
▶ OUTPUT SPINDLES



BENZ Solidfix®



Collet Chuck System ER DIN 6499

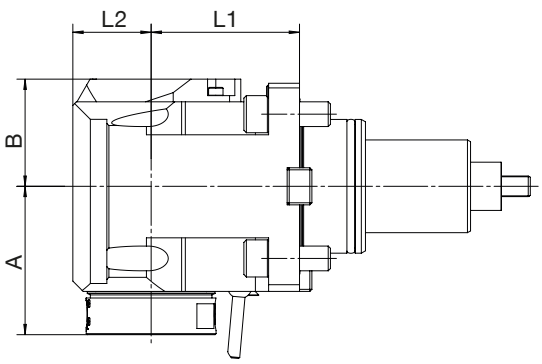


BENZ CAPTO™

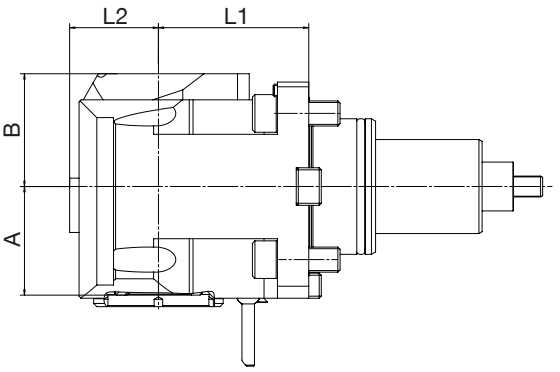
i Other output spindles available upon request

i Accessories see online catalog

BENZ Solidfix®



BENZ CAPTO™



▶ **Technical Data**

Output Spindles	Size	i	EC	IC*	n_{1max} / $n_{2 max}$ [min^{-1}]	$M_{1 max}$ / $M_{2 max}$ [Nm]	A_{max} [mm]	B [mm]	L1 [mm]	L2 [mm]	Order No.
BENZ Solidfix®	S3	1:1	✔	-	8.000 / 8.000	30 / 30	56	40	60	28	**114FAX11439S3D-60**
	S3	1:1	✔	-	8.000 / 8.000	30 / 30	56	40	70	28	**114FAX11439S3D-70**
	S3	1:1	✔	-	8.000 / 8.000	30 / 30	56	40	85	28	**114FAX11439S3D-85**
	S3	1:1	✔	✔	8.000 / 8.000	30 / 30	56	58	60	28	**114GAX11439S3D-60**
	S3	1:1	✔	✔	8.000 / 8.000	30 / 30	56	58	70	28	**114GAX11439S3D-70**
	S3	1:1	✔	✔	8.000 / 8.000	30 / 30	56	58	85	28	**114GAX11439S3D-85**
	S4	1:1	✔	-	6.000 / 6.000	70 / 70	72	52	60	38	**114FAX11449S4D-60**
	S4	1:1	✔	-	6.000 / 6.000	70 / 70	72	52	70	38	**114FAX11449S4D-70**
	S4	1:1	✔	-	6.000 / 6.000	70 / 70	72	52	85	38	**114FAX11449S4D-85**
	S4	1:1	✔	✔	6.000 / 6.000	70 / 70	72	60	60	38	**114GAX11449S4D-60**
	S4	1:1	✔	✔	6.000 / 6.000	70 / 70	72	60	70	38	**114GAX11449S4D-70**
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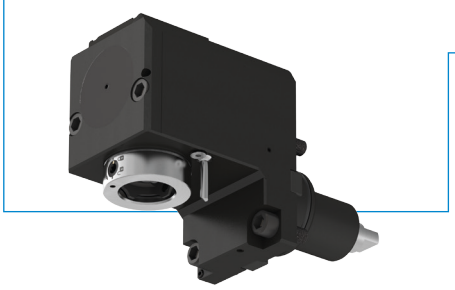
*Internal Cooling p_{max} = 100 bar

Output Spindles	Size	i	EC	IC*	n_{1max} / $n_{2\,max}$ [min^{-1}]	$M_{1\,max}$ / $M_{2\,max}$ [Nm]	A_{max} [mm]	B [mm]	L1 [mm]	L2 [mm]	Order No.
					► Technical Data						
BENZ Solidfix®	S2	1:2	✔	-	6.000 / 12.000	20 / 10	64	44	60	28	**114FWX11439S2D-60**
	S2	1:2	✔	-	6.000 / 12.000	20 / 10	64	44	70	28	**114FWX11439S2D-70**
	S2	1:2	✔	-	6.000 / 12.000	20 / 10	64	44	85	28	**114FWX11439S2D-85**
	S2	1:2	✔	✔	6.000 / 12.000	20 / 10	64	58	60	28	**114GWX11439S2D-60**
	S2	1:2	✔	✔	6.000 / 12.000	20 / 10	64	58	70	28	**114GWX11439S2D-70**
	S2	1:2	✔	✔	6.000 / 12.000	20 / 10	64	58	85	28	**114GWX11439S2D-85**
Collet Chuck	ER25	1:1	✔	-	8.000 / 8.000	30 / 30	56,9	40	60	28	**114FAX11439E5AD-60**
	ER25	1:1	✔	-	8.000 / 8.000	30 / 30	56,9	40	70	28	**114FAX11439E5AD-70**
	ER25	1:1	✔	-	8.000 / 8.000	30 / 30	56,9	40	85	28	**114FAX11439E5AD-85**
	ER25	1:1	✔	✔	8.000 / 8.000	30 / 30	61,9	58	60	28	**114GAX11439E5AD-60**
	ER25	1:1	✔	✔	8.000 / 8.000	30 / 30	61,9	58	70	28	**114GAX11439E5AD-70**
	ER25	1:1	✔	✔	8.000 / 8.000	30 / 30	61,9	58	85	28	**114GAX11439E5AD-85**
	ER32	1:1	✔	-	6.000 / 6.000	70 / 70	69,1	52	60	38	**114FAX11449E6AD-60**
	ER32	1:1	✔	-	6.000 / 6.000	70 / 70	69,1	52	70	38	**114FAX11449E6AD-70**
	ER32	1:1	✔	-	6.000 / 6.000	70 / 70	69,1	52	85	38	**114FAX11449E6AD-85**
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	ER32	1:1	✔	✔	6.000 / 6.000	70 / 70	74,2	60	85	38	**114GAX11449E6AD-85**
	ER20	1:2	✔	-	6.000 / 12.000	20 / 10	68	44	60	28	**114FWX11439E4AD-60**
	ER20	1:2	✔	-	6.000 / 12.000	20 / 10	68	44	70	28	**114FWX11439E4AD-70**
	ER20	1:2	✔	-	6.000 / 12.000	20 / 10	68	44	85	28	**114FWX11439E4AD-85**
	ER20	1:2	✔	✔	6.000 / 12.000	20 / 10	73	58	60	28	**114GWX11439E4AD-60**
	ER20	1:2	✔	✔	6.000 / 12.000	20 / 10	73	58	70	28	**114GWX11439E4AD-70**
	ER20	1:2	✔	✔	6.000 / 12.000	20 / 10	73	58	85	28	**114GWX11439E4AD-85**
BENZ CAPTO™	C3	1:1	✔	-	8.000 / 8.000	30 / 30	42	44	60	38,5	**114FAX11439L3BD-60**
	C3	1:1	✔	-	8.000 / 8.000	30 / 30	42	44	70	38,5	**114FAX11439L3BD-70**
	C3	1:1	✔	-	8.000 / 8.000	30 / 30	42	44	85	38,5	**114FAX11439L3BD-85**
	C3	1:1	✔	✔	8.000 / 8.000	30 / 30	42	67,5	60	38,5	**114GAX11439L3BD-60**
	C3	1:1	✔	✔	8.000 / 8.000	30 / 30	42	67,5	70	38,5	**114GAX11439L3BD-70**
	C3	1:1	✔	✔	8.000 / 8.000	30 / 30	42	67,5	85	38,5	**114GAX11439L3BD-85**
	C4	1:1	✔	-	6.000 / 6.000	70 / 70	52	54	60	42,5	**114FAX11449L4BD-60**
	C4	1:1	✔	-	6.000 / 6.000	70 / 70	52	54	70	42,5	**114FAX11449L4BD-70**
	C4	1:1	✔	-	6.000 / 6.000	70 / 70	52	54	85	42,5	**114FAX11449L4BD-85**
	C4	1:1	✔	✔	6.000 / 6.000	70 / 70	52	60,5	60	42,5	**114GAX11449L4BD-60**
	C4	1:1	✔	✔	6.000 / 6.000	70 / 70	52	60,5	70	42,5	**114GAX11449L4BD-70**
	C4	1:1	✔	✔	6.000 / 6.000	70 / 70	52	60,5	85	42,5	**114GAX11449L4BD-85**

*Internal Cooling p_{max} = 100 bar

LIVE TOOL - BMT 55
RADIAL, RECESSED

▶ TECHNICAL DATA



▶ LENGTH

70 | 85

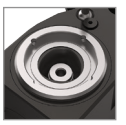
▶ OUTPUT SPINDLES



BENZ Solidfix®



Collet Chuck System ER DIN 6499

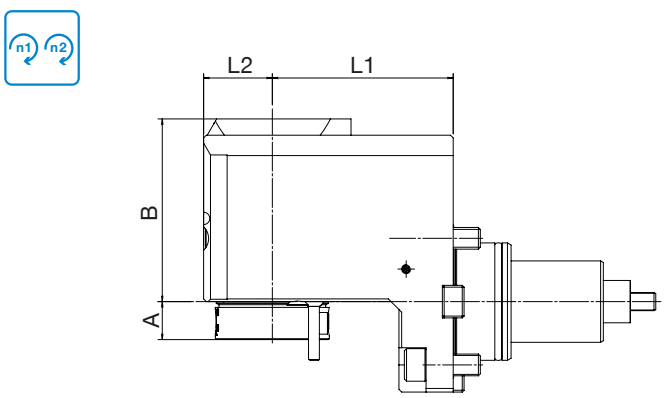


BENZ CAPTO™

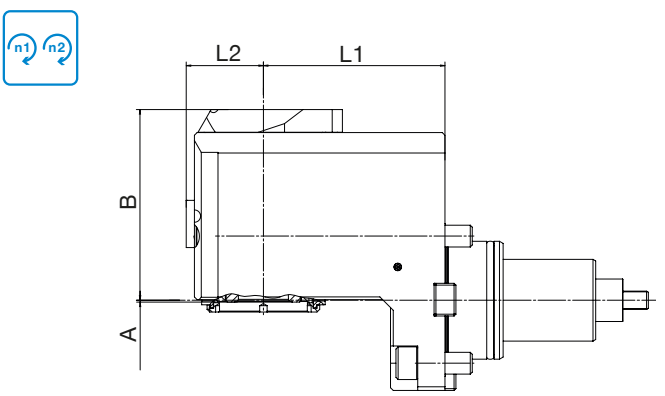
i Other output spindles available upon request

i Accessories see online catalog

BENZ Solidfix®



BENZ CAPTO™



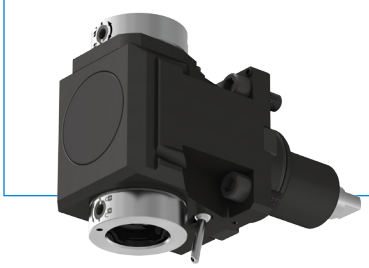
▶ **Technical Data**

Output Spindles	Size	i	EC	IC*	n_{1max} / $n_{2 max}$ [min^{-1}]	$M_{1 max}$ / $M_{2 max}$ [Nm]	A_{max} [mm]	B [mm]	L1 [mm]	L2 [mm]	Order No.
BENZ Solidfix®	S3	1:1	✔	-	8.000 / 8.000	30 / 30	21	75	70	28	**114FBX11439S3D-70**
	S3	1:1	✔	✔	8.000 / 8.000	30 / 30	21	93	70	28	**114GBX11439S3D-70**
	S3	1:1	✔	-	8.000 / 8.000	30 / 30	21	75	85	28	**114FBX11439S3D-85**
	S3	1:1	✔	✔	8.000 / 8.000	30 / 30	21	93	85	28	**114GBX11439S3D-85**
Collet Chuck	ER25	1:1	✔	-	8.000 / 8.000	30 / 30	21,9	75	70	28	**114FBX11439E5AD-70**
	ER25	1:1	✔	✔	8.000 / 8.000	30 / 30	26,9	93	70	28	**114GBX11439E5AD-70**
	ER25	1:1	✔	-	8.000 / 8.000	30 / 30	21,9	75	85	28	**114FBX11439E5AD-85**
	ER25	1:1	✔	✔	8.000 / 8.000	30 / 30	26,9	93	85	28	**114GBX11439E5AD-85**
BENZ CAPTO™	C3	1:1	✔	-	8.000 / 8.000	30 / 30	7	79	70	38,5	**114FBX11439L3BD-70**
	C3	1:1	✔	✔	8.000 / 8.000	30 / 30	7	102,5	70	38,5	**114GBX11439L3BD-70**
	C3	1:1	✔	-	8.000 / 8.000	30 / 30	7	79	85	38,5	**114FBX11439L3BD-85**
	C3	1:1	✔	✔	8.000 / 8.000	30 / 30	7	102,5	85	38,5	**114GBX11439L3BD-85**

*Internal Cooling p_{max} = 100 bar

LIVE TOOL - BMT 55
DOUBLE-SPINDLE

▶ TECHNICAL DATA



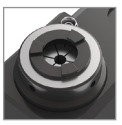
▶ LENGTH

60 | 70 | 85

▶ OUTPUT SPINDLES



BENZ Solidfix®



Collet Chuck System ER DIN 6499

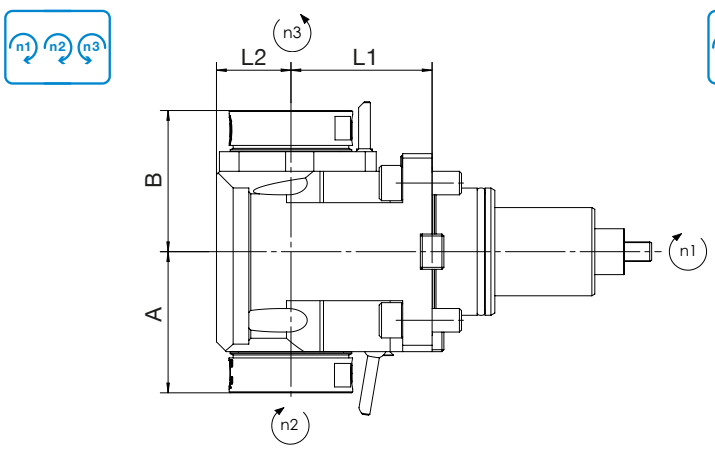


BENZ CAPTO™

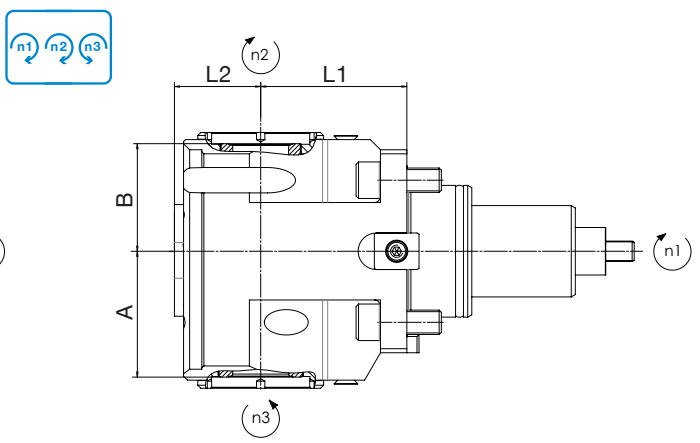
i Other output spindles available upon request

i Accessories see online catalog

BENZ Solidfix®



BENZ CAPTO™

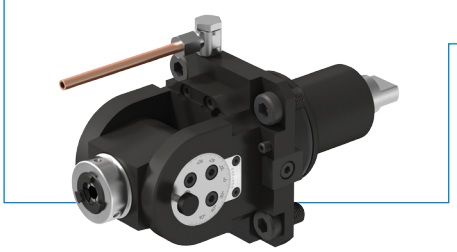


▶ **Technical Data**

Output Spindles	Size	i	EC	IC	n_{1max} / $n_{2\,max}$ [min^{-1}]	$M_{1\,max}$ / $M_{2\,max}$ [Nm]	A_{max} [mm]	B [mm]	L1 [mm]	L2 [mm]	Order No.
BENZ Solidfix®	S3	1:1	✔	-	8.000 / 8.000	30 / 30	59	56	60	28	**114FAX11439S32-60**
	S3	1:1	✔	-	8.000 / 8.000	30 / 30	59	56	70	28	**114FAX11439S32-70**
	S3	1:1	✔	-	8.000 / 8.000	30 / 30	59	56	85	28	**114FAX11439S32-85**
	S4	1:1	✔	-	6.000 / 6.000	70 / 70	72	72	60	38	**114FAX11449S42-60**
	S4	1:1	✔	-	6.000 / 6.000	70 / 70	72	72	70	38	**114FAX11449S42-70**
	S4	1:1	✔	-	6.000 / 6.000	70 / 70	72	72	85	38	**114FAX11449S42-85**
Collet Chuck	ER25	1:1	✔	-	8.000 / 8.000	30 / 30	56,9	56,9	60	28	**114FAX11439E5A2-60**
	ER25	1:1	✔	-	8.000 / 8.000	30 / 30	56,9	56,9	70	28	**114FAX11439E5A2-70**
	ER25	1:1	✔	-	8.000 / 8.000	30 / 30	56,9	56,9	85	28	**114FAX11439E5A2-85**
	ER32	1:1	✔	-	6.000 / 6.000	70 / 70	69,1	69,1	60	38	**114FAX11449E6A2-60**
	ER32	1:1	✔	-	6.000 / 6.000	70 / 70	69,1	69,1	70	38	**114FAX11449E6A2-70**
	ER32	1:1	✔	-	6.000 / 6.000	70 / 70	69,1	69,1	85	38	**114FAX11449E6A2-85**
BENZ CAPTO™	C3	1:1	✔	-	8.000 / 8.000	30 / 30	52	45	60	38,5	**114FAX11439L3BD2-60**
	C3	1:1	✔	-	8.000 / 8.000	30 / 30	52	45	70	38,5	**114FAX11439L3BD2-70**
	C3	1:1	✔	-	8.000 / 8.000	30 / 30	52	45	85	38,5	**114FAX11439L3BD2-85**
	C4	1:1	✔	-	6.000 / 6.000	70 / 70	62	53	60	42,5	**114FAX11449L4BD2-60**
	C4	1:1	✔	-	6.000 / 6.000	70 / 70	62	53	70	42,5	**114FAX11449L4BD2-70**
	C4	1:1	✔	-	6.000 / 6.000	70 / 70	62	53	85	42,5	**114FAX11449L4BD2-85**

LIVE TOOL - BMT 55
ADJUSTABLE

▶ TECHNICAL DATA



▶ OUTPUT SPINDLE

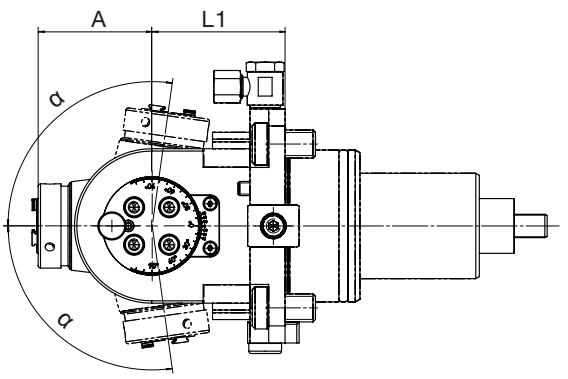


Collet Chuck
System ER
DIN 6499

Other output spindles available upon request

Accessories see online catalog

Collet Chuck



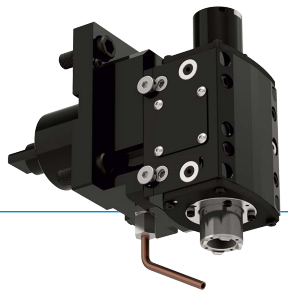
▶ **Technical Data**

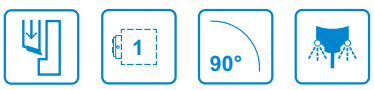
Output Spindles	Size	i	EC	IC*	n_{1max} / $n_{2\,max}$ [min^{-1}]	$M_{1\,max}$ / $M_{2\,max}$ [Nm]	A_{max} [mm]	L1 [mm]	α [°]	Order No.
Collet Chuck	ER16	1:0,879	✔	-	8.000 / 7.000	10 / 12	51,1	57	± 98	**114FDX11439E3A**
	ER16	1:0,879	✔	✔	8.000 / 7.000	10 / 12	56	57	± 98	**114GDX11439E3A**
	ER16	1:2	✔	-	4.000 / 8.000	16 / 8	50,6	46	± 105	**114FK11438E3**

*Internal Cooling p_{max} = 50 bar

LIVE TOOL - BMT 55
BROACHING UNIT BENZ LINA 4.0

▶ TECHNICAL DATA





▶ LENGTH (GS)

85

▶ LENGTH (GSL)

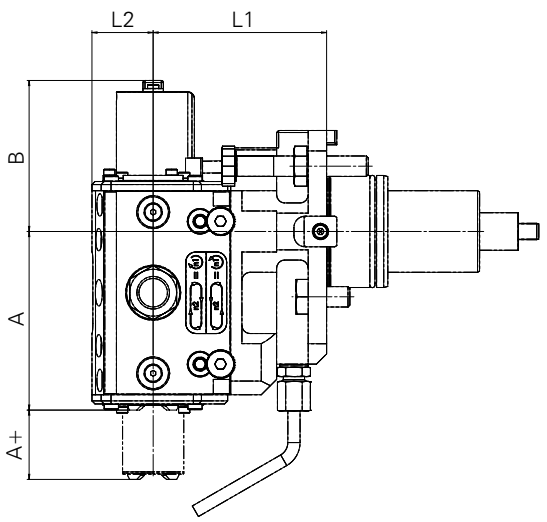
85

▶ OUTPUT SPINDLE



similar to prism
Ø 30mm

i Accessories see online catalog



▶ Performance Data

Type	n_{max} [min^{-1}]	$M1_{max}$ [Nm]	f_{max} [mm]	Groove $width_{max}$ [mm]
GS	3.000/1.500	15	0,02-0,10	8-12
GSL	2.000/1.000	23	0,02-0,10	8-12

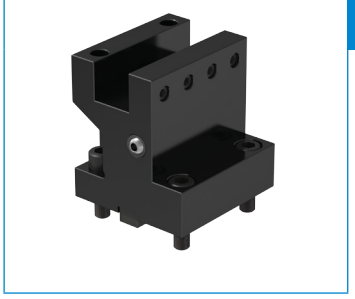
▶ Technical Data

Type	Size	i	EC	IC	*Stroke	A [mm]	A+ [mm]	B [mm]	L1 [mm]	L2 [mm]	Order No.
GS	16	2:1	✔	✔	32	85,5	34	68,5	85	30	**114GS11402B2D-85**
GSL	16	2:1	✔	✔	51	115,5	53	87,5	85	30	**114GSL11402B2D-85**

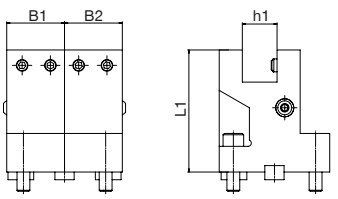
*Usable working stroke

STATIC HOLDER - BMT 55

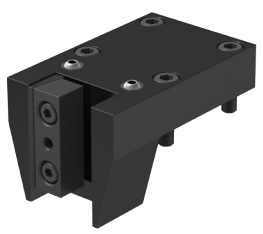
Face and I.D. Turning Tool - Single



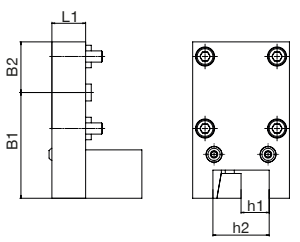
▶ **Technical Data**

Drawing	h1 [mm]	h2 [mm]	L1 [mm]	B1 [mm]	B2 [mm]	Order No.
	25	-	95	45	45	**114A114559002**

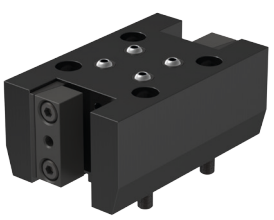
O.D. Turning Tool - Single



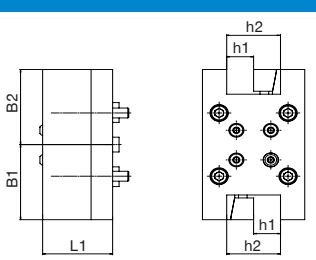
▶ **Technical Data**

Drawing	h1 [mm]	h2 [mm]	L1 [mm]	B1 [mm]	B2 [mm]	Order No.
	25	50	30/80	94	45	**114A114560002**

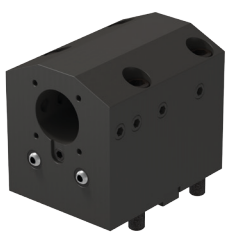
O.D. Turning Tool - Double



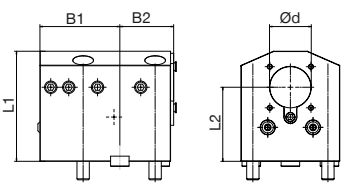
▶ **Technical Data**

Drawing	h1 [mm]	h2 [mm]	L1 [mm]	B1 [mm]	B2 [mm]	Order No.
	25	50	65	76	76	**114A114567002**

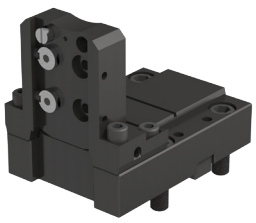
Boring Bar Holder



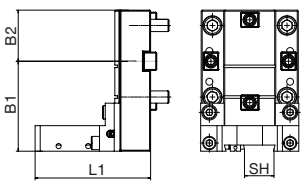
▶ **Technical Data**

Drawing	Ød [mm]	L1 [mm]	L2 [mm]	B1 [mm]	B2 [mm]	Order No.
	40	100	70	58	51	**114A114578002**

Cut-Off Holder



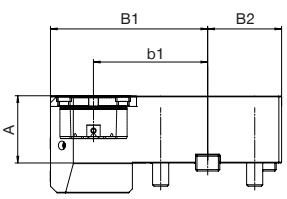
▶ **Technical Data**

Drawing	SH [mm]	L1 [mm]	B1 [mm]	B2 [mm]	Order No.
	32	93	79	45	**114A114583001**

Axial Holder – Single | BENZ CAPTO™



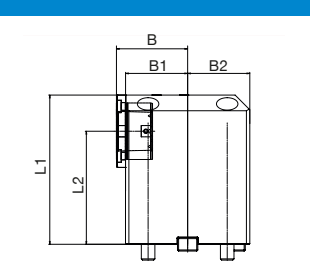
▶ **Technical Data**

Drawing	Size	A [mm]	b1 [mm]	B1 [mm]	B2 [mm]	Order No.
	C4	70	38	62	44	**114AV114L4BDU-70**
	C4	70	38	62	44	**114AV114L4BDN-70**

Radial Holder – Single | BENZ CAPTO™



▶ **Technical Data**

Drawing	Size	L1 [mm]	L2 [mm]	B [mm]	B1 [mm]	B2 [mm]	Order No.
	C4	94	70	76	70	44	**114AP114L4BDU-70**
	C4	94	70	76	70	44	**114AP114L4BDN-70**

LIVE TOOLS - BMT 65
DN Solutions

LIVE TOOLS



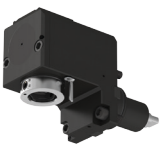
AXIAL 30



AXIAL, OFFSET 31



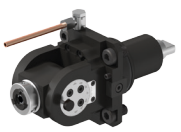
RADIAL 32



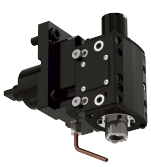
RADIAL, RECESSED 34



DOUBLE-SPINDLE 35

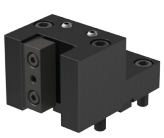


ADJUSTABLE 36

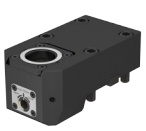


BROACHING UNIT 37

STATIC HOLDERS



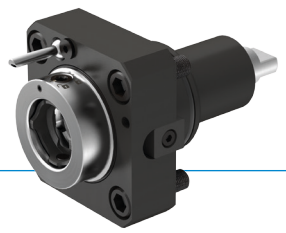
STANDARD 38



BENZ CAPTO™ 39

LIVE TOOL - BMT 65
AXIAL

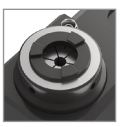
▶ TECHNICAL DATA



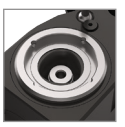
▶ OUTPUT SPINDLES



BENZ Solidfix®



Collet Chuck System ER DIN 6499

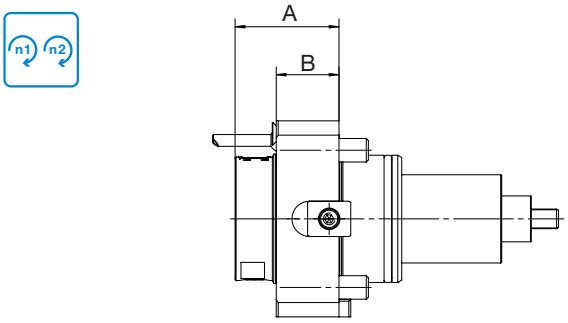


BENZ CAPTO™

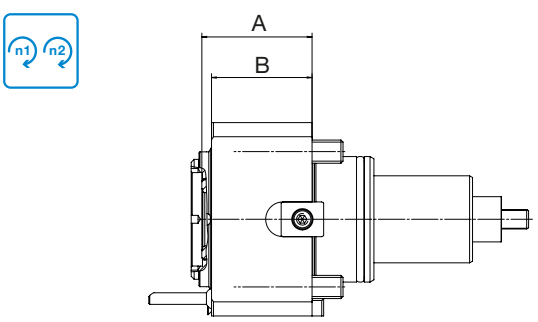
ⓘ Other output spindles available upon request

ⓘ Accessories see online catalog

BENZ Solidfix®



BENZ CAPTO™



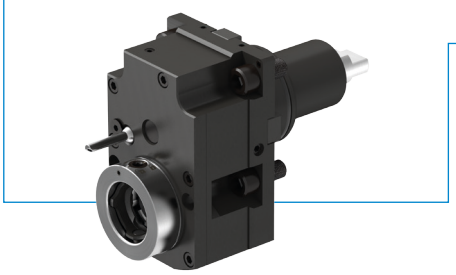
▶ **Technical Data**

Output Spindle	Size	i	EC	IC*	n_{1max} / $n_{2\,max}$ [min^{-1}]	$M_{1\,max}$ / $M_{2\,max}$ [Nm]	A_{max} [mm]	B [mm]	Order No.
BENZ Solidfix®	S4	1:1	✔	-	6.000 / 6.000	70 / 70	53	32	**114DA127E0S4**
	S4	1:1	✔	✔	6.000 / 6.000	70 / 70	53	32	**114EA12700S4**
Collet Chuck	ER32	1:1	✔	-	6.000 / 6.000	70 / 70	45,1	32	**114DA127E0E6A-Z**
	ER32	1:1	✔	✔	6.000 / 6.000	70 / 70	50,2	32	**114EA12700E6A**
BENZ CAPTO™	C4	1:1	✔	-	6.000 / 6.000	70 / 70	57	52	**114DA12700L4BD**
	C4	1:1	✔	✔	6.000 / 6.000	70 / 70	57	52	**114EA12700L4BD**

*Internal Cooling p_{max} = 50 bar

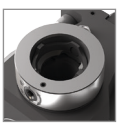
LIVE TOOL - BMT 65
AXIAL, OFFSET

▶ TECHNICAL DATA

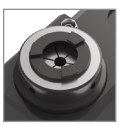




▶ OUTPUT SPINDLES



BENZ Solidfix®



Collet Chuck System ER DIN 6499

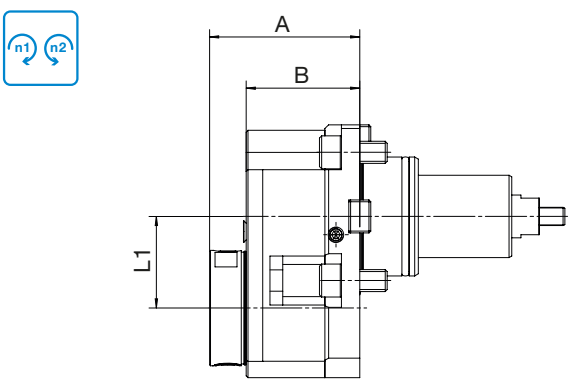


BENZ CAPTO™

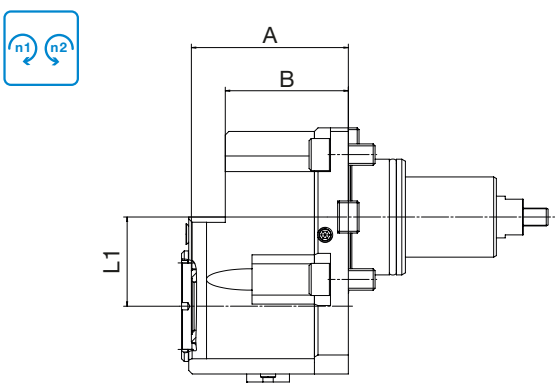
i Other output spindles available upon request

i Accessories see online catalog

BENZ Solidfix®



BENZ CAPTO™



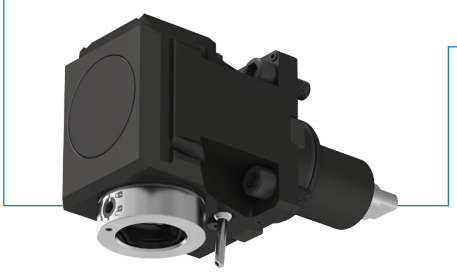
▶ **Technical Data**

Output Spindle	Size	i	EC	IC*	n_{1max} / n_{2max} [min^{-1}]	M_{1max} / M_{2max} [Nm]	A_{max} [mm]	B [mm]	L1 [mm]	Order No.
BENZ Solidfix®	S4	1:1	✔	-	6.000 / 6.000	50 / 50	82	62	50	**114DM12781S4D**
	S4	1:1	✔	✔	6.000 / 6.000	50 / 50	97	77	50	**114EM12781S4D**
	S3	1:2	✔	-	4.500 / 9.000	50 / 25	81	62	50	**114DI12781S3D**
	S3	1:2	✔	✔	4.500 / 9.000	50 / 25	96	77	50	**114EI12781S3D**
Collet Chuck	ER32	1:1	✔	-	6.000 / 6.000	50 / 50	82,1	62	50	**114DM12781E6AD**
	ER32	1:1	✔	✔	6.000 / 6.000	50 / 50	102,2	77	50	**114EM12781E6AD**
	ER25	1:2	✔	-	4.500 / 9.000	50 / 25	75,9	62	50	**114DI12781E5AD**
	ER25	1:2	✔	✔	4.500 / 9.000	50 / 25	95,9	77	50	**114EI12781E5AD**
BENZ CAPTO™	C4	1:1	✔	-	6.000 / 6.000	50 / 50	88	69	50	**114DM12781L4BD**
	C4	1:1	✔	✔	6.000 / 6.000	50 / 50	103	84	50	**114EM12781L4BD**
	C3	1:2	✔	-	4.500 / 9.000	50 / 25	81,5	69	50	**114DI12781L3BD**
	C3	1:2	✔	✔	4.500 / 9.000	50 / 25	96,5	84	50	**114EI12781L3BD**

*Internal Cooling p_{max} = 100 bar

LIVE TOOL - BMT 65
RADIAL

▶ TECHNICAL DATA



▶ LENGTH

72 | 85 | 100

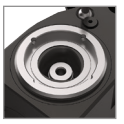
▶ OUTPUT SPINDLES



BENZ Solidfix®



Collet Chuck System ER DIN 6499

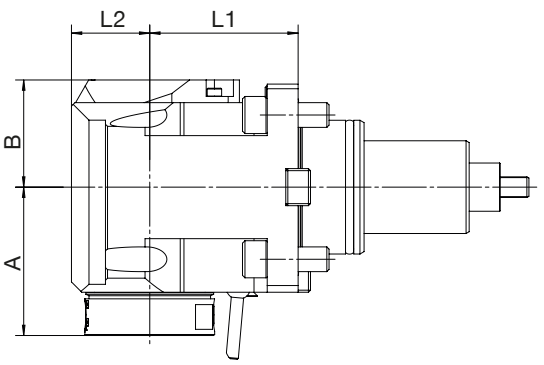


BENZ CAPTO™

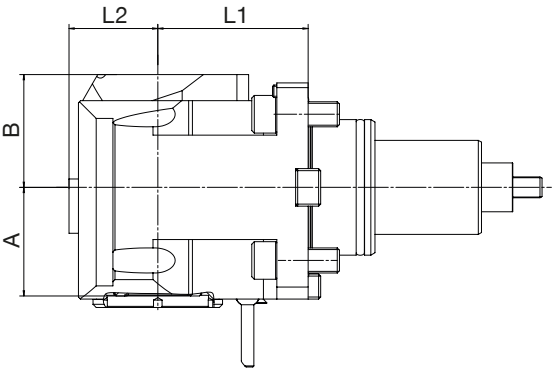
i Other output spindles available upon request

i Accessories see online catalog

BENZ Solidfix®



BENZ CAPTO™



▶ **Technical Data**

Output Spindle	Size	i	EC	IC*	n_{1max} / n_{2max} [min^{-1}]	M_{1max} / M_{2max} [Nm]	A_{max} [mm]	B [mm]	L1 [mm]	L2 [mm]	Order No.
BENZ Solidfix®	S4	1:1	✔	-	6.000 / 6.000	70 / 70	72	52	72	38	**114FAX127E4S4D-72**
	S4	1:1	✔	-	6.000 / 6.000	70 / 70	72	52	85	38	**114FAX12749S4D-85**
	S4	1:1	✔	-	6.000 / 6.000	70 / 70	72	52	100	38	**114FAX12749S4D-100**
	S4	1:1	✔	✔	6.000 / 6.000	70 / 70	72	60	72	38	**114GAX12749S4D-72**
	S4	1:1	✔	✔	6.000 / 6.000	70 / 70	72	60	85	38	**114GAX12749S4D-85**
	S4	1:1	✔	✔	6.000 / 6.000	70 / 70	72	60	100	38	**114GAX12749S4D-100**
	S3	1:2	✔	-	5.000 / 10.000	40 / 20	79	52	72	38	**114FWX12749S3D-72**
	S3	1:2	✔	-	5.000 / 10.000	40 / 20	79	52	85	38	**114FWX12749S3D-85**
	S3	1:2	✔	-	5.000 / 10.000	40 / 20	79	52	100	38	**114FWX12749S3D-100**
	S3	1:2	✔	✔	5.000 / 10.000	40 / 20	79	60	72	38	**114GWX12749S3D-72**
	S3	1:2	✔	✔	5.000 / 10.000	40 / 20	79	60	85	38	**114GWX12749S3D-85**
	S3	1:2	✔	✔	5.000 / 10.000	40 / 20	79	60	100	38	**114GWX12749S3D-100**

*Internal Cooling p_{max} = 100 bar

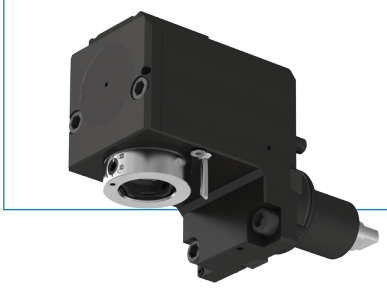
► **Technical Data**

Output Spindle	Size	i	EC	IC*	n_{1max} / $n_{2\,max}$ [min^{-1}]	$M_{1\,max}$ / $M_{2\,max}$ [Nm]	A_{max} [mm]	B [mm]	L1 [mm]	L2 [mm]	Order No.
Collet Chuck	ER32	1:1	✔	-	6.000 / 6.000	70 / 70	69,1	52	72	38	**114FAX127E4E6AD-72-Z**
	ER32	1:1	✔	-	6.000 / 6.000	70 / 70	69,1	52	85	38	**114FAX12749E6AD-85**
	ER32	1:1	✔	-	6.000 / 6.000	70 / 70	69,1	52	100	38	**114FAX12749E6AD-100**
	ER32	1:1	✔	✔	6.000 / 6.000	70 / 70	74,2	60	72	38	**114GAX12749E6AD-72**
	ER32	1:1	✔	✔	6.000 / 6.000	70 / 70	74,2	60	85	38	**114GAX12749E6AD-85**
	ER32	1:1	✔	✔	6.000 / 6.000	70 / 70	74,2	60	100	38	**114GAX12749E6AD-100**
	ER25	1:2	✔	-	5.000 / 10.000	40 / 20	78,9	52	72	38	**114FWX12749E5AD-72**
	ER25	1:2	✔	-	5.000 / 10.000	40 / 20	78,9	52	85	38	**114FWX12749E5AD-85**
	ER25	1:2	✔	-	5.000 / 10.000	40 / 20	78,9	52	100	38	**114FWX12749E5AD-100**
	ER25	1:2	✔	✔	5.000 / 10.000	40 / 20	83,9	60	72	38	**114GWX12749E5AD-72**
	ER25	1:2	✔	✔	5.000 / 10.000	40 / 20	83,9	60	85	38	**114GWX12749E5AD-85**
	ER25	1:2	✔	✔	5.000 / 10.000	40 / 20	83,9	60	100	38	**114GWX12749E5AD-100**
BENZ CAPTO™	C4	1:1	✔	-	6.000 / 6.000	70 / 70	52	54	72	42,5	**114FAX12749L4BD-72**
	C4	1:1	✔	-	6.000 / 6.000	70 / 70	52	54	85	42,5	**114FAX12749L4BD-85**
	C4	1:1	✔	-	6.000 / 6.000	70 / 70	52	54	100	42,5	**114FAX12749L4BD-100**
	C4	1:1	✔	✔	6.000 / 6.000	70 / 70	52	60,5	72	42,5	**114GAX12749L4BD-72**
	C4	1:1	✔	✔	6.000 / 6.000	70 / 70	52	60,5	85	42,5	**114GAX12749L4BD-85**
	C4	1:1	✔	✔	6.000 / 6.000	70 / 70	52	60,5	100	42,5	**114GAX12749L4BD-100**

*Internal Cooling p_{max} = 100 bar

LIVE TOOL - BMT 65
RADIAL, RECESSED

▶ TECHNICAL DATA



▶ LENGTH

72 | 85 | 100

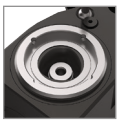
▶ OUTPUT SPINDLES



BENZ Solidfix®



Collet Chuck System ER DIN 6499



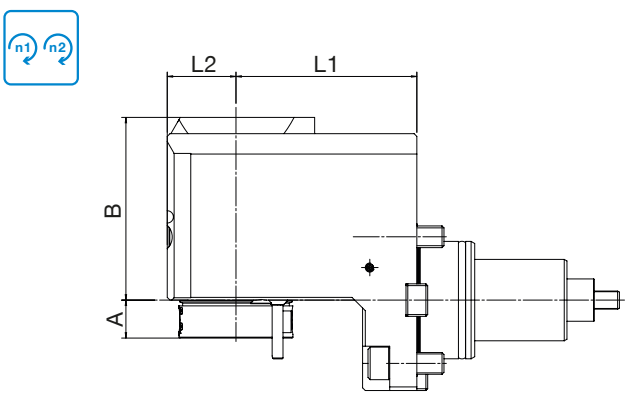
BENZ CAPTO™



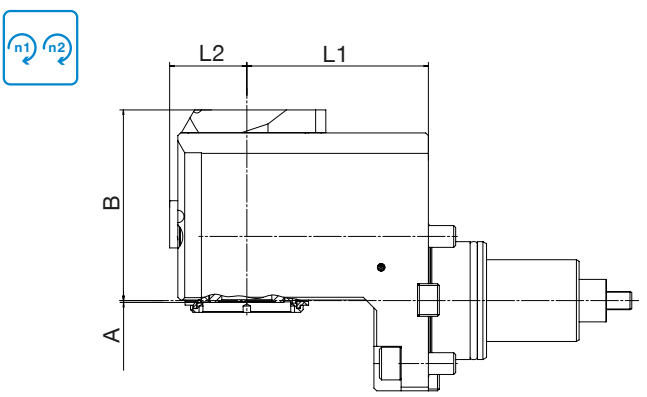
i Other output spindles available upon request

i Accessories see online catalog

BENZ Solidfix®



BENZ CAPTO™



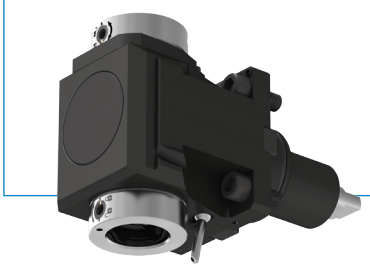
▶ **Technical Data**

Output Spindle	Size	i	EC	IC*	n_{1max} / $n_{2\,max}$ [min^{-1}]	$M_{1\,max}$ / $M_{2\,max}$ [Nm]	A_{max} [mm]	B [mm]	L1 [mm]	L2 [mm]	Order No.
BENZ Solidfix®	S4	1:1	✔	-	6.000 / 6.000	70 / 70	21	101	72	38	**114FBX12749S4D-72**
	S4	1:1	✔	-	6.000 / 6.000	70 / 70	21	101	85	38	**114FBX12749S4D-85**
	S4	1:1	✔	-	6.000 / 6.000	70 / 70	21	101	100	38	**114FBX12749S4D-100**
	S4	1:1	✔	✔	6.000 / 6.000	70 / 70	21	111	72	38	**114GBX12749S4D-72**
	S4	1:1	✔	✔	6.000 / 6.000	70 / 70	21	111	85	38	**114GBX12749S4D-85**
	S4	1:1	✔	✔	6.000 / 6.000	70 / 70	21	111	100	38	**114GBX12749S4D-100**
Collet Chuck	ER32	1:1	✔	-	6.000 / 6.000	70 / 70	18,1	101	72	38	**114FBX12749E6AD-72**
	ER32	1:1	✔	-	6.000 / 6.000	70 / 70	18,1	101	85	38	**114FBX12749E6AD-85**
	ER32	1:1	✔	-	6.000 / 6.000	70 / 70	18,1	101	100	38	**114FBX12749E6AD-100**
	ER32	1:1	✔	✔	6.000 / 6.000	70 / 70	23,2	111	72	38	**114GBX12749E6AD-72**
	ER32	1:1	✔	✔	6.000 / 6.000	70 / 70	23,2	111	85	38	**114GBX12749E6AD-85**
	ER32	1:1	✔	✔	6.000 / 6.000	70 / 70	23,2	111	100	38	**114GBX12749E6AD-100**
BENZ CAPTO™	C4	1:1	✔	-	6.000 / 6.000	70 / 70	1	105	72	42,5	**114FBX12749L4BD-72**
	C4	1:1	✔	-	6.000 / 6.000	70 / 70	1	105	85	42,5	**114FBX12749L4BD-85**
	C4	1:1	✔	-	6.000 / 6.000	70 / 70	1	105	100	42,5	**114FBX12749L4BD-100**
	C4	1:1	✔	✔	6.000 / 6.000	70 / 70	1	111,5	72	42,5	**114GBX12749L4BD-72**
	C4	1:1	✔	✔	6.000 / 6.000	70 / 70	1	111,5	85	42,5	**114GBX12749L4BD-85**
	C4	1:1	✔	✔	6.000 / 6.000	70 / 70	1	111,5	100	42,5	**114GBX12749L4BD-100**

*Internal Cooling p_{max} = 100 bar

LIVE TOOL - BMT 65
DOUBLE-SPINDLE

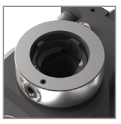
▶ TECHNICAL DATA



▶ LENGTH

72 | 85 | 100

▶ OUTPUT SPINDLES



BENZ Solidfix®



Collet Chuck System ER DIN 6499

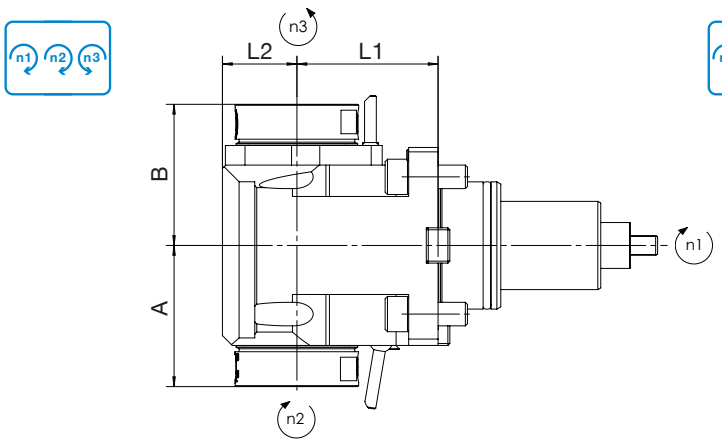


BENZ CAPTO™

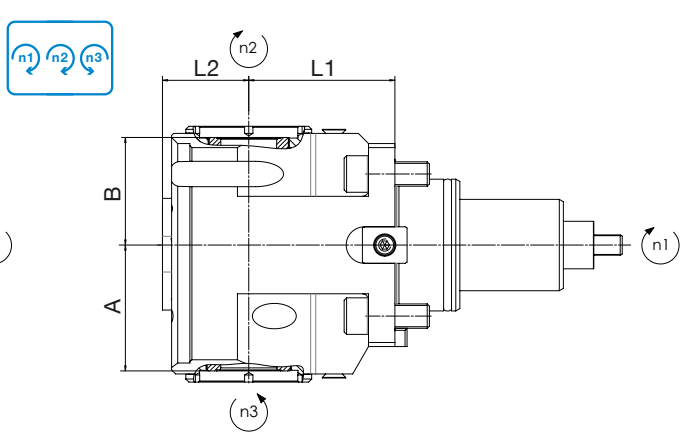
i Other output spindles available upon request

i Accessories see online catalog

BENZ Solidfix®



BENZ CAPTO™

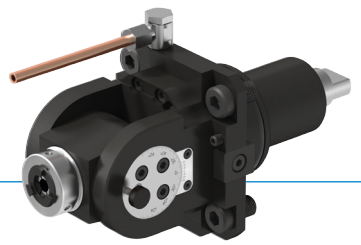


▶ **Technical Data**

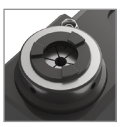
Output Spindle	Size	i	EC	IC	n_{1max} / $n_{2\,max}$ [min^{-1}]	$M_{1\,max}$ / $M_{2\,max}$ [Nm]	A_{max} [mm]	B [mm]	L1 [mm]	L2 [mm]	Order No.
BENZ Solidfix®	S4	1:1	✔	-	6.000 / 6.000	70 / 70	72	72	72	38	**114FAX12749S42-72**
	S4	1:1	✔	-	6.000 / 6.000	70 / 70	72	72	85	38	**114FAX12749S42-85**
	S4	1:1	✔	-	6.000 / 6.000	70 / 70	72	72	100	38	**114FAX12749S42-100**
Collet Chuck	ER32	1:1	✔	-	6.000 / 6.000	70 / 70	69,1	69,1	72	38	**114FAX12749E6A2-72**
	ER32	1:1	✔	-	6.000 / 6.000	70 / 70	69,1	69,1	85	38	**114FAX12749E6A2-85**
	ER32	1:1	✔	-	6.000 / 6.000	70 / 70	69,1	69,1	100	38	**114FAX12749E6A2-100**
BENZ CAPTO™	C4	1:1	✔	-	6.000 / 6.000	70 / 70	62	53	72	42,5	**114FAX12749L4BD2-72**
	C4	1:1	✔	-	6.000 / 6.000	70 / 70	62	53	85	42,5	**114FAX12749L4BD2-85**
	C4	1:1	✔	-	6.000 / 6.000	70 / 70	62	53	100	42,5	**114FAX12749L4BD2-100**

LIVE TOOL - BMT 65
ADJUSTABLE

▶ TECHNICAL DATA



▶ OUTPUT SPINDLE

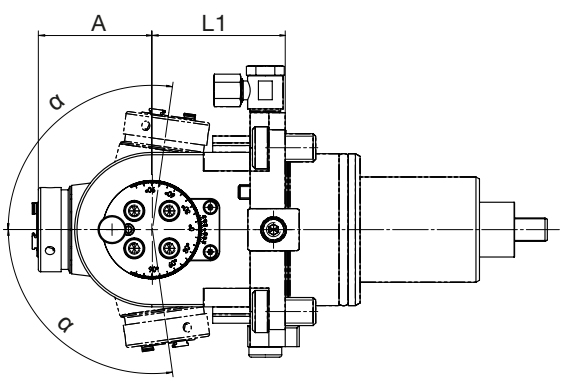


Collet Chuck
System ER
DIN 6499

Other output spindles available upon request

Accessories see online catalog

Collet Chuck



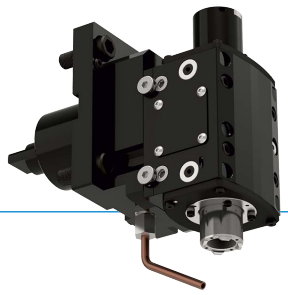
▶ **Technical Data**

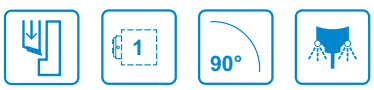
Output Spindle	Size	i	EC	IC	n_{1max} / n_{2max} [min^{-1}]	M_{1max} / M_{2max} [Nm]	A_{max} [mm]	L1 [mm]	α [°]	Order No.
Collet Chuck	ER16	1:0,879	✔	-	8.000 / 7.000	10 / 12	51,1	57	± 98	**114FDX12739E3A**
	ER16	1:0,879	✔	✔	8.000 / 7.000	10 / 12	56	57	± 98	**114GDX12739E3A**
	ER16	1:2	✔	-	4.000 / 8.000	16 / 8	50,6	46	± 105	**114FK12738E3**

*Internal Cooling p_{max} = 50 bar

LIVE TOOL - BMT 65
BROACHING UNIT BENZ LINA 4.0

▶ TECHNICAL DATA





▶ LENGTH (GS)

72 | 85 | 100

▶ LENGTH (GSL)

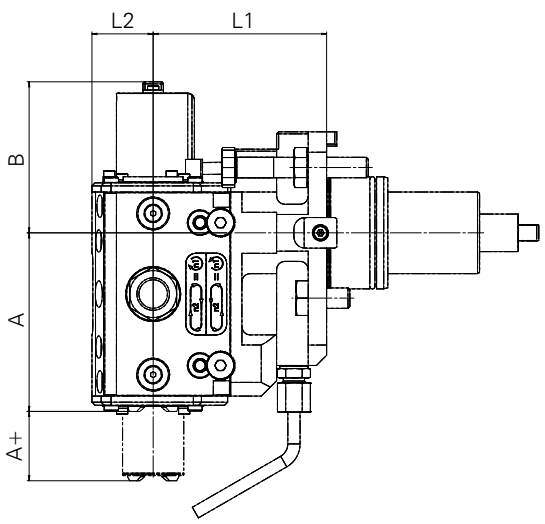
72 | 85 | 100

▶ OUTPUT SPINDLE



similar to prism
Ø 30mm

i Accessories see online catalog



▶ Performance Data

Type	n_{max} [min^{-1}]	$M1_{max}$ [Nm]	f_{max} [mm]	Groove $width_{max}$ [mm]
GS	3.000/1.500	15	0,02-0,10	8-12
GSL	2.000/1.000	23	0,02-0,10	8-12

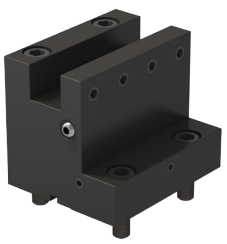
▶ Technical Data

Type	Size	i	EC	IC	*Stroke	A [mm]	A+ [mm]	B [mm]	L1 [mm]	L2 [mm]	Order No.
GS	16	2:1	✔	✔	32	85,5	34	68,5	72	30	**114GS12702B2D-72**
	16	2:1	✔	✔	32	85,5	34	68,5	85	30	**114GS12702B2D-85**
	16	2:1	✔	✔	32	85,5	34	68,5	100	30	**114GS12702B2D-100**
GSL	16	2:1	✔	✔	51	115,5	53	87,5	72	30	**114GSL12708B2D-72**
	16	2:1	✔	✔	51	115,5	53	87,5	85	30	**114GSL12708B2D-85**
	16	2:1	✔	✔	51	115,5	53	87,5	100	30	**114GSL12708B2D-100**

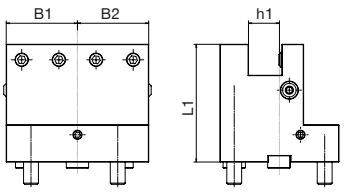
*Usable working stroke

STATIC HOLDER - BMT 65

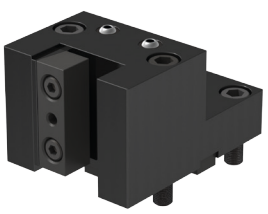
Face and I.D. Turning Tool - Single



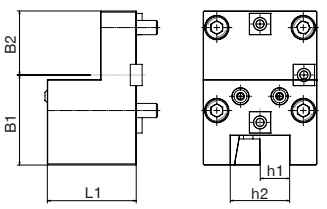
▶ **Technical Data**

Drawing	h1 [mm]	h2 [mm]	L1 [mm]	B1 [mm]	B2 [mm]	Order No.
	25	-	95	57,5	57,5	**114A127559001**

O.D. Turning Tool - Single



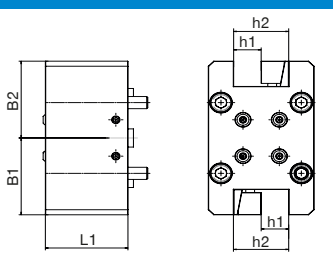
▶ **Technical Data**

Drawing	h1 [mm]	h2 [mm]	L1 [mm]	B1 [mm]	B2 [mm]	Order No.
	25	50	75	76	54	**114A127560001**

O.D. Turning Tool - Double



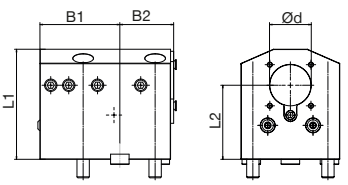
▶ **Technical Data**

Drawing	h1 [mm]	h2 [mm]	L1 [mm]	B1 [mm]	B2 [mm]	Order No.
	25	50	75	76	76	**114A127567001**

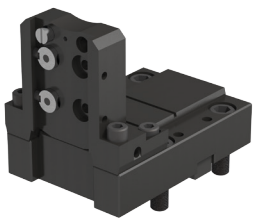
Boring bar Holder



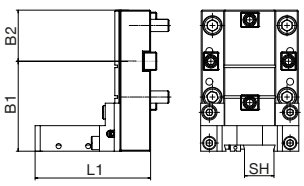
▶ **Technical Data**

Drawing	Ød [mm]	L1 [mm]	L2 [mm]	B1 [mm]	B2 [mm]	Order No.
	40	107	72	68	62	**114A127578001**

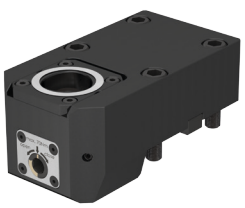
Cut-Off Holder



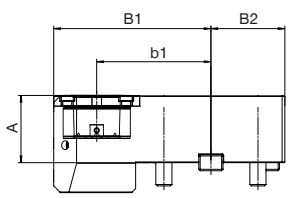
▶ **Technical Data**

Drawing	SH [mm]	L1 [mm]	B1 [mm]	B2 [mm]	Order No.
	32	113	88	50	**114A127583001**

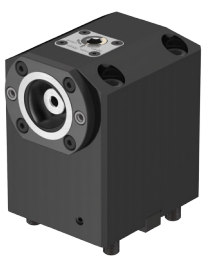
Axial Holder - Single | BENZ CAPTO™



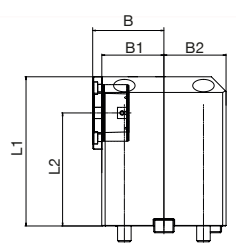
▶ **Technical Data**

Drawing	Size	A [mm]	b1 [mm]	B1 [mm]	B2 [mm]	Order No.
	C4	60	71	95	47	**114AV127L4BDU-60**
	C4	60	71	95	47	**114AV127L4BDN-60**
	C5	50	88	120	47	**114AV127L5BDU-50**
	C5	50	88	120	47	**114AV127L5BDN-50**

Radial Holder - Single | BENZ CAPTO™



▶ **Technical Data**

Drawing	Size	L1 [mm]	L2 [mm]	B [mm]	B1 [mm]	B2 [mm]	Order No.
	C4	124	100	70	53	47	**114AP127L4BDU-100**
	C4	124	100	70	53	47	**114AP127L4BDN-100**
	C5	132	100	70	53	47	**114AP127L5BDU-100**
	C5	132	100	70	53	47	**114AP127L5BDN-100**

LIVE TOOLS - BMT 75
DN Solutions

LIVE TOOLS



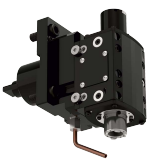
AXIAL 42



RADIAL 44

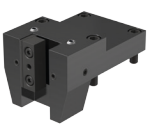


ADJUSTABLE 46

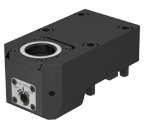


BROACHING UNIT 47

STATIC HOLDERS



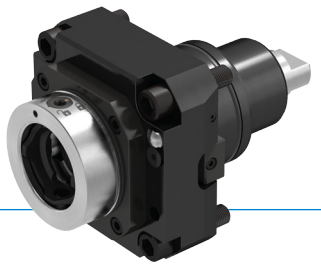
STANDARD 48



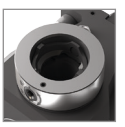
BENZ CAPTO™ 49

LIVE TOOL - BMT 75
AXIAL

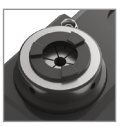
▶ TECHNICAL DATA



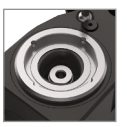
▶ OUTPUT SPINDLES



BENZ Solidfix®



Collet Chuck System ER DIN 6499

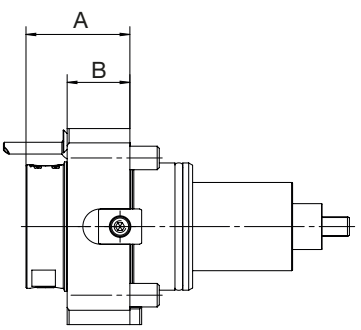


BENZ CAPTO™

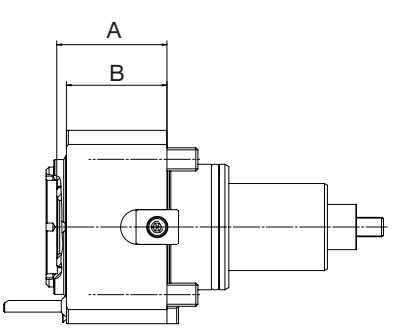
ℹ Other output spindles available upon request

ℹ Accessories see online catalog

BENZ Solidfix®



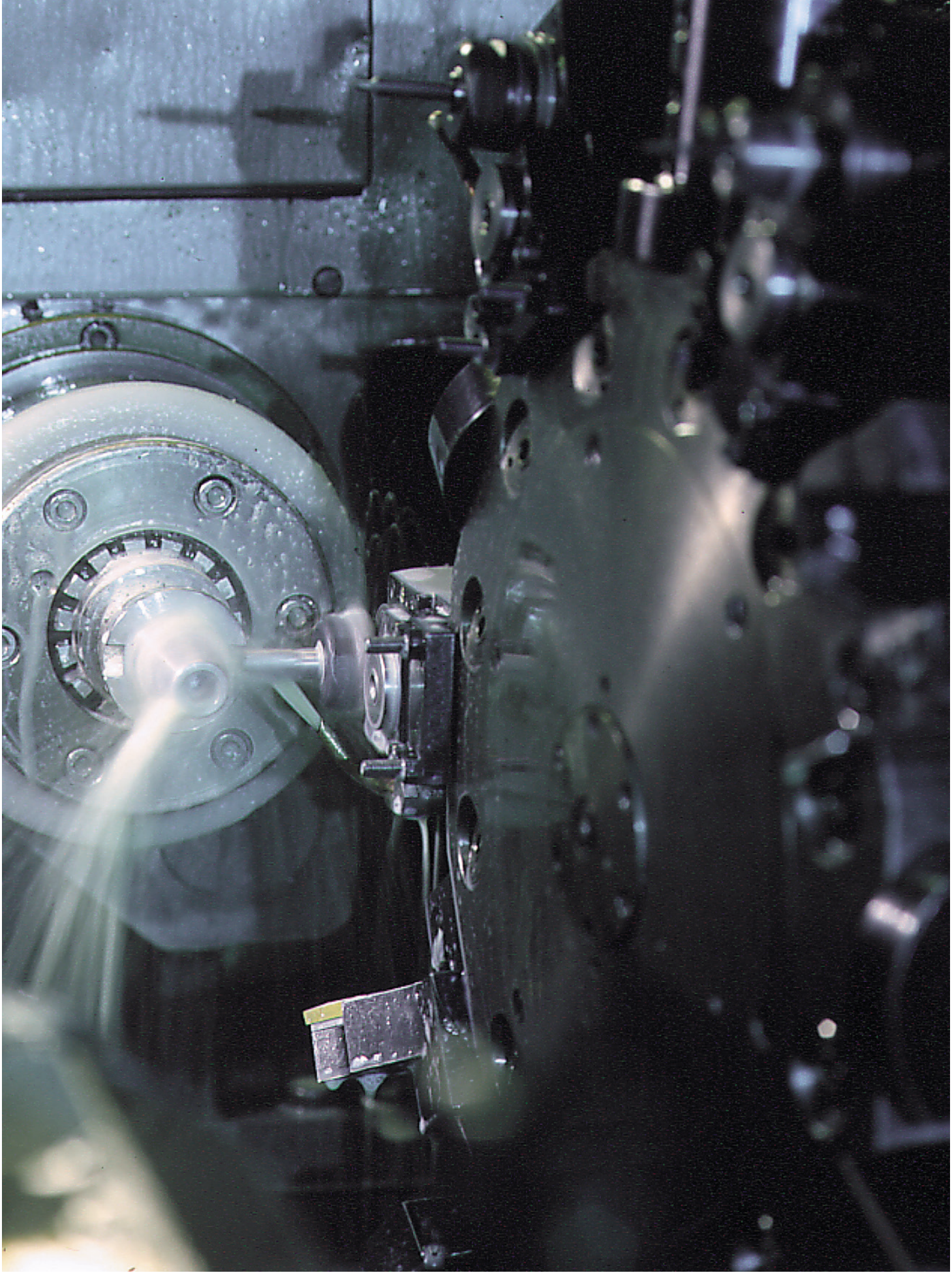
BENZ CAPTO™



▶ **Technical Data**

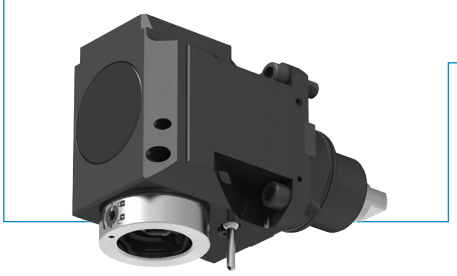
Output Spindle	Size	i	EC	IC*	n_{1max} / $n_{2\,max}$ [min^{-1}]	$M_{1\,max}$ / $M_{2\,max}$ [Nm]	A_{max} [mm]	B [mm]	Order No.
BENZ Solidfix®	S5	1:1	✔	-	4.500 / 4.500	100 / 100	77	41,5	**115DA033E0S5**
	S5	1:1	✔	✔	4.500 / 4.500	100 / 100	77	41,5	**115EA03300S5**
Collet Chuck	ER40	1:1	✔	-	4.500 / 4.500	100 / 100	68	41,5	**115DA033E0E7A-Z**
	ER40	1:1	✔	✔	4.500 / 4.500	100 / 100	72,9	41,5	**115EA03300E7A**
BENZ CAPTO™	C5	1:1	✔	-	4.500 / 4.500	100 / 100	69	58	**115DA03300L5BR**
	C5	1:1	✔	✔	4.500 / 4.500	100 / 100	69	58	**115EA03300L5BR**

*Internal Cooling p_{max} = 50 bar



LIVE TOOL - BMT 75
RADIAL

▶ TECHNICAL DATA



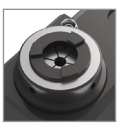
▶ LENGTH

60 90

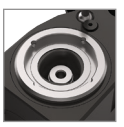
▶ OUTPUT SPINDLES



BENZ Solidfix®



Collet Chuck System ER DIN 6499

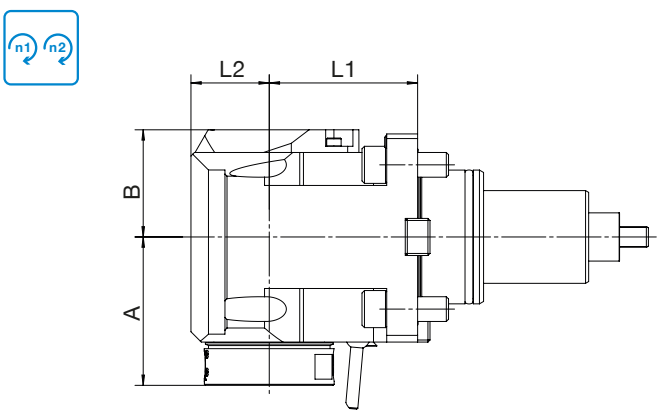


BENZ CAPTO™

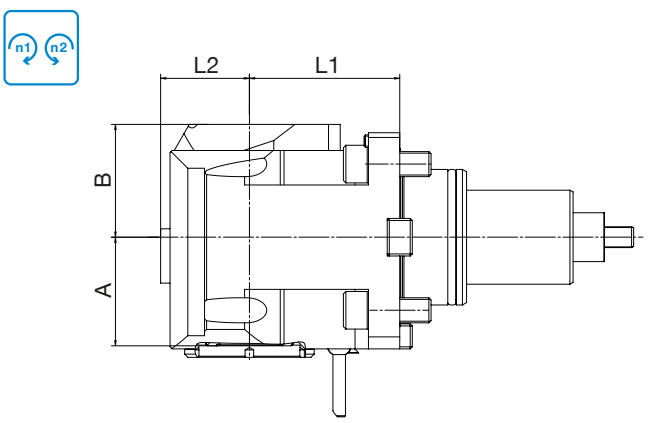
i Other output spindles available upon request

i Accessories see online catalog

BENZ Solidfix®



BENZ CAPTO™



▶ **Technical Data**

Output Spindle	Size	i	EC	IC*	n_{1max} / $n_{2 max}$ [min^{-1}]	$M_{1 max}$ / $M_{2 max}$ [Nm]	A_{max} [mm]	B [mm]	L1 [mm]	L2 [mm]	Order No.
BENZ Solidfix®	S5	1:1	✔	-	4.500 / 4.500	150 / 150	86	62	60	41	**115FAX033E5S5D-60**
	S5	1:1	✔	-	4.500 / 4.500	150 / 150	86	62	90	41	**115FAX03359S5D-90**
	S5	1:1	✔	✔	4.500 / 4.500	150 / 150	86	68	60	41	**115GAX03359S5D-60**
	S5	1:1	✔	✔	4.500 / 4.500	150 / 150	86	68	90	41	**115GAX03359S5D-90**
	S5	2:1	✔	-	4.500 / 2.250	90 / 180	92	68,5	60	41	**115FHH03359S5D-60**
	S5	2:1	✔	-	4.500 / 2.250	90 / 180	92	68,5	90	41	**115FHH03359S5D-90**
	S5	2:1	✔	✔	4.500 / 2.250	90 / 180	92	75	60	41	**115GHH03359S5D-60**
	S5	2:1	✔	✔	4.500 / 2.250	90 / 180	92	75	90	41	**115GHH03359S5D-90**

*Internal Cooling p_{max} = 100 bar

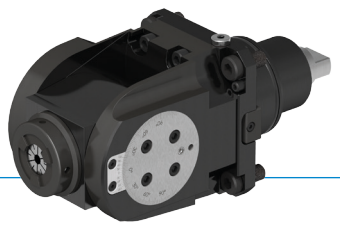
► **Technical Data**

Output Spindle	Size	i	EC	IC*	n_{1max} / $n_{2\,max}$ [min^{-1}]	$M_{1\,max}$ / $M_{2\,max}$ [Nm]	A_{max} [mm]	B [mm]	L1 [mm]	L2 [mm]	Order No.
Collet Chuck	ER40	1:1	✔	-	4.500 / 4.500	150 / 150	81,5	62	60	41	**115FAX033E5E7AD-60-Z**
	ER40	1:1	✔	-	4.500 / 4.500	150 / 150	81,5	62	90	41	**115FAX03359E7AD-90**
	ER40	1:1	✔	✔	4.500 / 4.500	150 / 150	86,4	68	60	41	**115GAX03359E7AD-60**
	ER40	1:1	✔	✔	4.500 / 4.500	150 / 150	86,4	68	90	41	**115GAX03359E7AD-90**
	ER40	2:1	✔	-	4.500 / 2.250	90 / 180	93	68,5	60	41	**115FHH03359E7AD-60**
	ER40	2:1	✔	-	4.500 / 2.250	90 / 180	93	68,5	90	41	**115FHH03359E7AD-90**
	ER40	2:1	✔	✔	4.500 / 2.250	90 / 180	97,9	75	60	41	**115GHH03359E7AD-60**
	ER40	2:1	✔	✔	4.500 / 2.250	90 / 180	97,9	75	90	41	**115GHH03359E7AD-90**
BENZ CAPTO™	C5	1:1	✔	-	4.500 / 4.500	150 / 150	60	61	60	50	**115FAX03359L5BD-60**
	C5	1:1	✔	-	4.500 / 4.500	150 / 150	60	61	90	50	**115FAX03359L5BD-90**
	C5	1:1	✔	✔	4.500 / 4.500	150 / 150	60	67,5	60	50	**115GAX03359L5BD-60**
	C5	1:1	✔	✔	4.500 / 4.500	150 / 150	60	67,5	90	50	**115GAX03359L5BD-90**

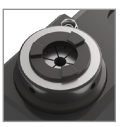
*Internal Cooling p_{max} = 100 bar

LIVE TOOL - BMT 75
ADJUSTABLE

▶ TECHNICAL DATA



▶ OUTPUT SPINDLE

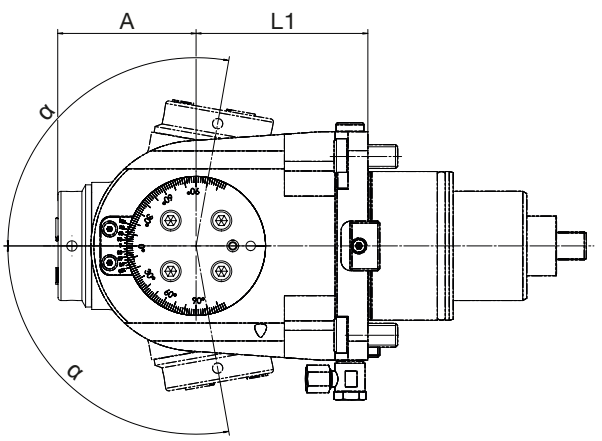


Collet Chuck
System ER
DIN 6499

Other output spindles available upon request

Accessories see online catalog

Collet Chuck



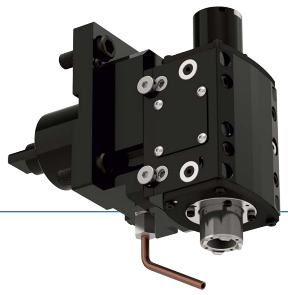
▶ **Technical Data**

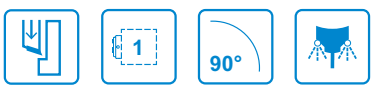
Output Spindle	Size	i	EC	IC*	n_{1max} / n_{2max} [min^{-1}]	M_{1max} / M_{2max} [Nm]	A_{max} [mm]	L1 [mm]	α [°]	Order No.
Collet Chuck	ER32	1:0,816	✔	-	4.500 / 3.700	57 / 70	70,6	86,5	100	**115FDX03359E6A**
	ER32	1:0,816	✔	✔	4.500 / 3.700	57 / 70	75,7	86,5	100	**115GDX03359E6A**

*Internal Cooling p_{max} = 100 bar

LIVE TOOL - BMT 75
BROACHING UNIT BENZ LINA 4.0

▶ TECHNICAL DATA





▶ LENGTH (GS)

90

▶ LENGTH (GSL)

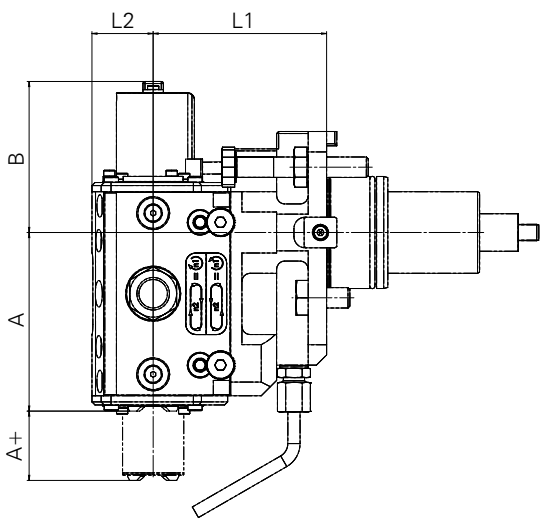
90

▶ OUTPUT SPINDLE



similar to prism
Ø 30mm

Accessories see online catalog



▶ Performance Data

Type	n_{max} [min^{-1}]	$M1_{max}$ [Nm]	f_{max} [mm]	Groove $width_{max}$ [mm]
GS	3.000/1.500	15	0,02-0,01	8-12
GSL	2.000/1.000	23	0,02-0,01	8-12

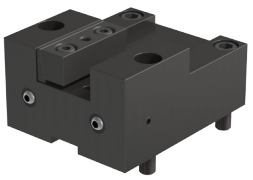
▶ Technical Data

Type	Size	i	EC	IC	*Stroke	A [mm]	A+ [mm]	B [mm]	L1 [mm]	L2 [mm]	Order No.
GS	16	2:1	✔	✔	32	85,5	34	68,5	90	30	**115GS03302B2D-90**
GSL	16	2:1	✔	✔	51	115,5	87,5	85	90	30	**115GSL03308B2D-90**

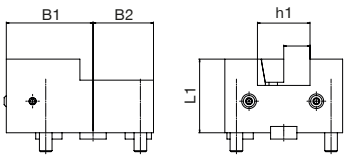
*Usable working stroke

STATIC HOLDERS - BMT 75

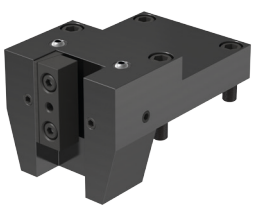
Face and I.D. Turning Tool - single



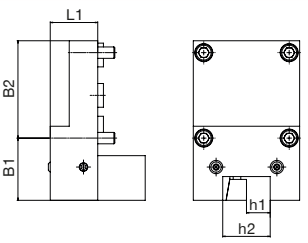
▶ **Technical Data**

Drawing	h1 [mm]	h2 [mm]	L1 [mm]	B1 [mm]	B2 [mm]	Order No.
	25	50	70	82,5	57,5	**115A033559001**

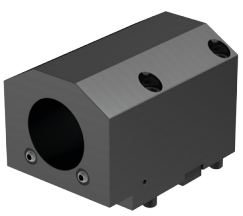
O.D. Turning Tool - Single



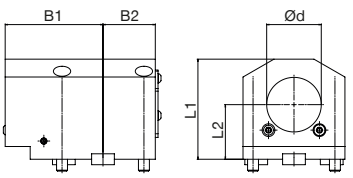
▶ **Technical Data**

Drawing	h1 [mm]	h2 [mm]	L1 [mm]	B1 [mm]	B2 [mm]	Order No.
	25	50	50/100	110,5	57,5	**115A033560001**

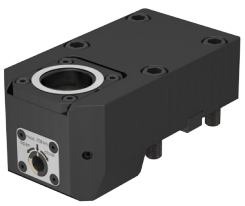
Boring Bar Holder



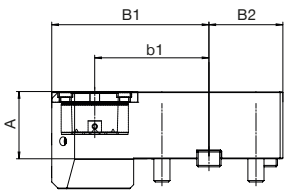
▶ **Technical Data**

Drawing	Ød [mm]	L1 [mm]	L2 [mm]	B1 [mm]	B2 [mm]	Order No.
	60	110	60	107,5	60,5	**115A033578001**

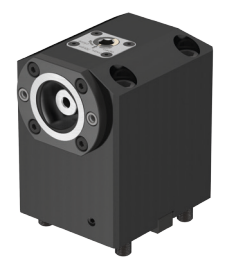
Axial Holder - Single | BENZ CAPTO™



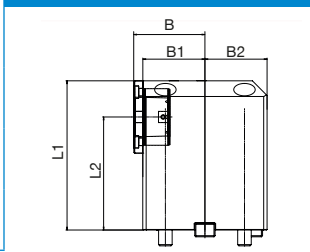
▶ **Technical Data**

Drawing	Size	A [mm]	b1 [mm]	B1 [mm]	B2 [mm]	Order No.
	C5	40	92,5	124,5	57,5	**115AV033L5BRU-40**
	C5	40	92,5	124,5	57,5	**115AV033L5BRN-40**

Radial Holder - Single | BENZ CAPTO™



▶ **Technical Data**

Drawing	Size	L1 [mm]	L2 [mm]	B [mm]	B1 [mm]	B2 [mm]	Order No.
	C5	92	60	92,5	84,5	57,5	**115AP033L5BRU-60**
	C5	92	60	92,5	84,5	57,5	**115AP033L5BRN-60**
	C6	102	60	92,5	83,5	57,5	**115AP033L6BRU-60**
	C6	102	60	92,5	83,5	57,5	**115AP033L6BRN-60**

LIVE TOOLS - BMT 85

DN Solutions

LIVE TOOLS



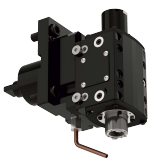
AXIAL 52



RADIAL 54



ADJUSTABLE 56

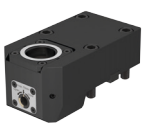


BROACHING UNIT 57

STATIC HOLDERS



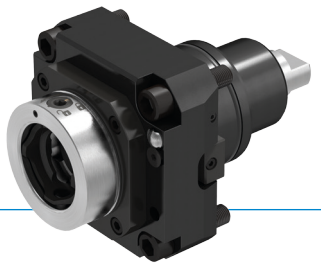
STANDARD 58



BENZ CAPTO™ 59

LIVE TOOL - BMT 85
AXIAL

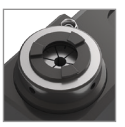
▶ TECHNICAL DATA



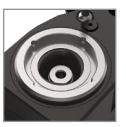
▶ OUTPUT SPINDLES



BENZ Solidfix®



Collet Chuck System ER DIN 6499

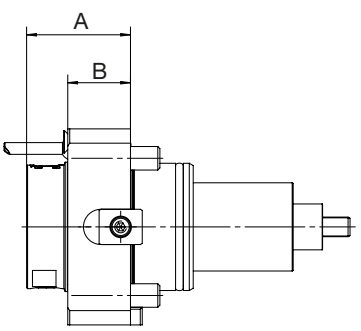


BENZ CAPTO™

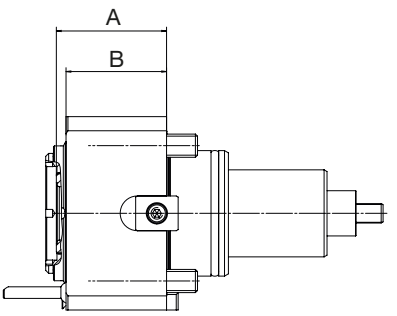
i Other output spindles available upon request

i Accessories see online catalog

BENZ Solidfix®



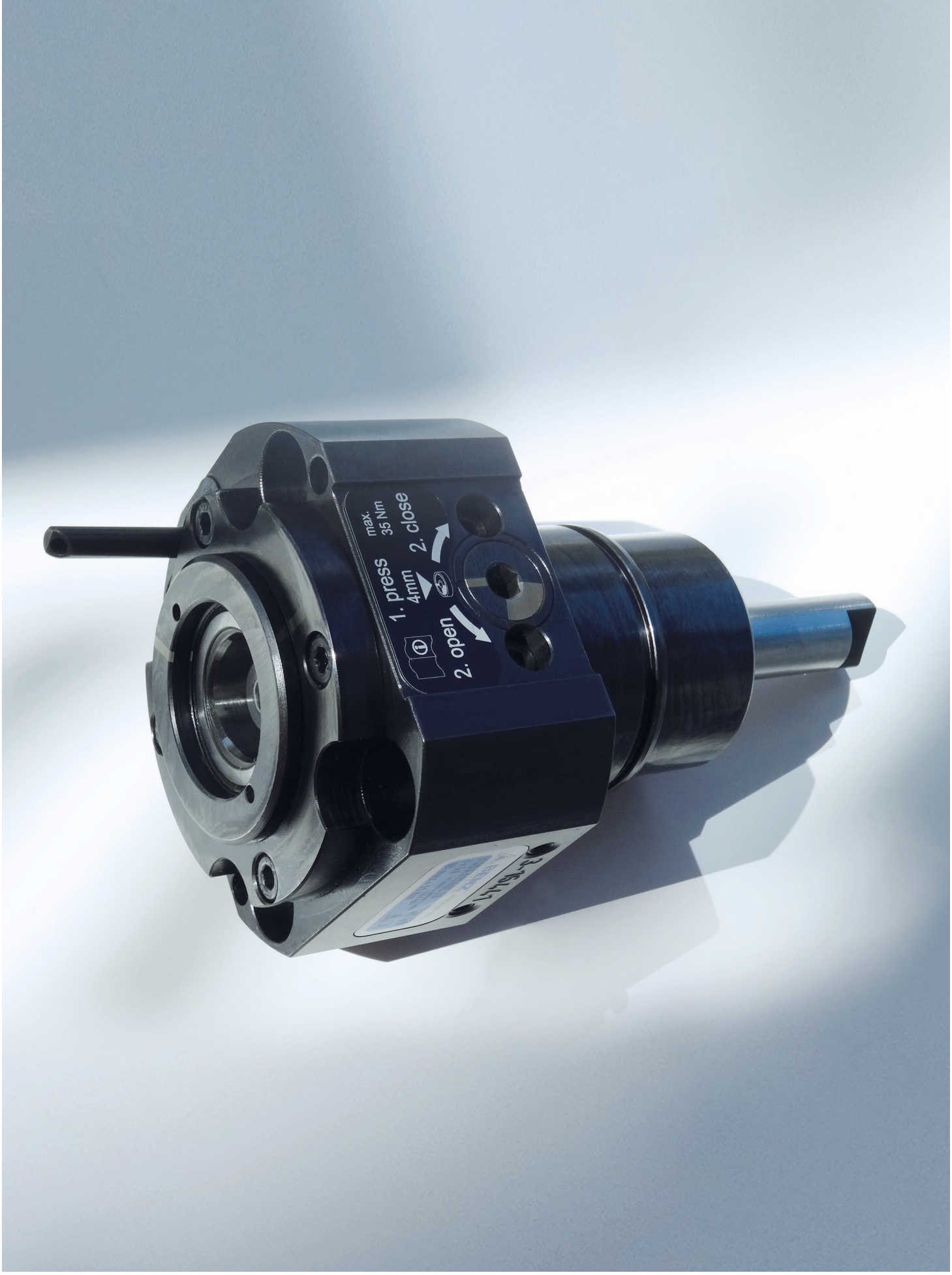
BENZ CAPTO™



▶ **Technical Data**

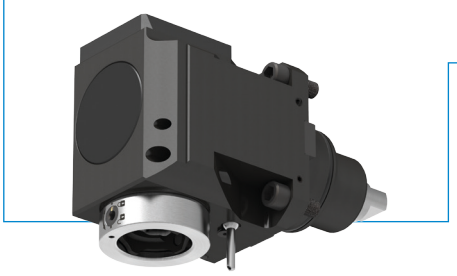
Output Spindle	Size	i	EC	IC*	n_{1max} / $n_{2\,max}$ [min^{-1}]	$M_{1\,max}$ / $M_{2\,max}$ [Nm]	A_{max} [mm]	B [mm]	Order No.
BENZ Solidfix®	S5	1:1	✔	-	4.500 / 4.500	150 / 150	82	46,5	**116DA01800S5**
	S5	1:1	✔	✔	4.500 / 4.500	150 / 150	82	46,5	**116EA01800S5**
Collet Chuck	ER40	1:1	✔	-	4.500 / 4.500	150 / 150	71,5	46,5	**116DA01800E7A**
	ER40	1:1	✔	✔	4.500 / 4.500	150 / 150	76,4	46,5	**116EA01800E7A**
	ER50	1:1	✔	-	4.500 / 4.500	150 / 150	92,5	46,5	**116DA01800E8A**
	ER50	1:1	✔	✔	4.500 / 4.500	150 / 150	101,5	46,5	**116EA01800E8A**
BENZ CAPTO™	C5	1:1	✔	-	4.500 / 4.500	150 / 150	69	58	**116DA01800L5BR**
	C5	1:1	✔	✔	4.500 / 4.500	150 / 150	69	58	**116EA01800L5BR**
	C6	1:1	✔	-	4.500 / 4.500	150 / 150	86	75	**116DA01800L6BR**
	C6	1:1	✔	✔	4.500 / 4.500	150 / 150	86	75	**116EA01800L6BR**

*Internal Cooling p_{max} = 50 bar


max.
35 Nm
2. close
1. press
4mm
2. open

LIVE TOOL - BMT 85
RADIAL

▶ TECHNICAL DATA



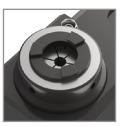
▶ LENGTH

85 110

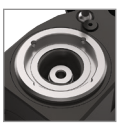
▶ OUTPUT SPINDLES



BENZ Solidfix®



Collet Chuck System ER DIN 6499

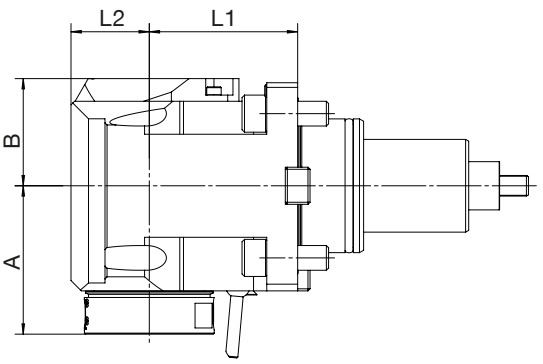


BENZ CAPTO™

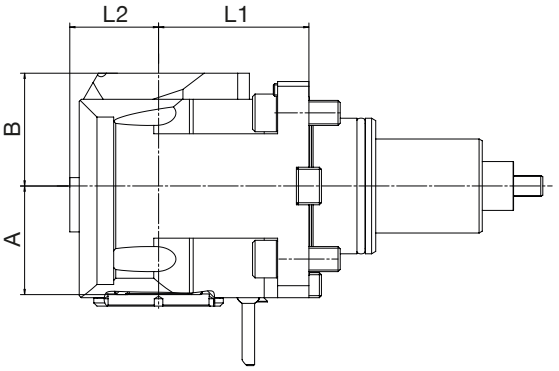
i Other output spindles available upon request

i Accessories see online catalog

BENZ Solidfix®



BENZ CAPTO™



▶ **Technical Data**

Output Spindle	Size	i	EC	IC*	n_{1max} / $n_{2\,max}$ [min^{-1}]	$M_{1\,max}$ / $M_{2\,max}$ [Nm]	A_{max} [mm]	B [mm]	L1 [mm]	L2 [mm]	Order No.
BENZ Solidfix®	S5	1:1	✔	-	4.500 / 4.500	150 / 150	86	62	85	41	**116FAX01859S5D-85**
	S5	1:1	✔	-	4.500 / 4.500	150 / 150	86	62	110	41	**116FAX01859S5D-110**
	S5	1:1	✔	✔	4.500 / 4.500	150 / 150	86	68	85	41	**116GAX01859S5D-85**
	S5	1:1	✔	✔	4.500 / 4.500	150 / 150	86	68	110	41	**116GAX01859S5D-110**
	S5	1:1	✔	-	3.000 / 3.000	210 / 210	106	81	85	56	**116FAX01869S5D-85**
	S5	1:1	✔	-	3.000 / 3.000	210 / 210	106	81	110	56	**116FAX01869S5D-110**
	S5	1:1	✔	✔	3.000 / 3.000	210 / 210	106	88	85	56	**116GAX01869S5D-85**
	S5	1:1	✔	✔	3.000 / 3.000	210 / 210	106	88	110	56	**116GAX01869S5D-110**

*Internal Cooling p_{max} = 100 bar

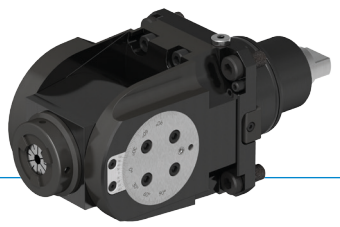
► **Technical Data**

Output Spindle	Size	i	EC	IC*	n_{1max} / $n_{2\,max}$ [min^{-1}]	$M_{1\,max}$ / $M_{2\,max}$ [Nm]	A_{max} [mm]	B [mm]	L1 [mm]	L2 [mm]	Order No.
Collet Chuck	ER40	1:1	✔	-	4.500 / 4.500	150 / 150	81,5	62	85	41	**116FAX01859E7AD-85**
	ER40	1:1	✔	-	4.500 / 4.500	150 / 150	81,5	62	110	41	**116FAX01859E7AD-110**
	ER40	1:1	✔	✔	4.500 / 4.500	150 / 150	86,4	68	85	41	**116GAX01859E7AD-85**
	ER40	1:1	✔	✔	4.500 / 4.500	150 / 150	86,4	68	110	41	**116GAX01859E7AD-110**
	ER50	1:1	✔	-	3.000 / 3.000	210 / 210	121,5	81	85	56	**116FAX01869E8AD-85**
	ER50	1:1	✔	-	3.000 / 3.000	210 / 210	121,5	81	110	56	**116FAX01869E8AD-110**
	ER50	1:1	✔	✔	3.000 / 3.000	210 / 210	130,5	88	85	56	**116GAX01869E8AD-85**
	ER50	1:1	✔	✔	3.000 / 3.000	210 / 210	130,5	88	110	56	**116GAX01869E8AD-110**
BENZ CAPTO™	C5	1:1	✔	-	4.500 / 4.500	150 / 150	60	61	85	50	**116FAX01859L5BD-85**
	C5	1:1	✔	-	4.500 / 4.500	150 / 150	60	61	110	50	**116FAX01859L5BD-110**
	C5	1:1	✔	✔	4.500 / 4.500	150 / 150	60	67,5	85	50	**116GAX01859L5BD-85**
	C5	1:1	✔	✔	4.500 / 4.500	150 / 150	60	67,5	110	50	**116GAX01859L5BD-110**
	C6	1:1	✔	-	3.000 / 3.000	210 / 210	81	81	85	58	**116FAX01869L6BD-85**
	C6	1:1	✔	-	3.000 / 3.000	210 / 210	81	81	110	58	**116FAX01869L6BD-110**
	C6	1:1	✔	✔	3.000 / 3.000	210 / 210	81	88	85	58	**116GAX01869L6BD-85**
	C6	1:1	✔	✔	3.000 / 3.000	210 / 210	81	88	110	58	**116GAX01869L6BD-110**

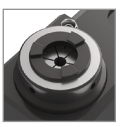
*Internal Cooling p_{max} = 100 bar

LIVE TOOL - BMT 85
ADJUSTABLE

▶ TECHNICAL DATA



▶ OUTPUT SPINDLES

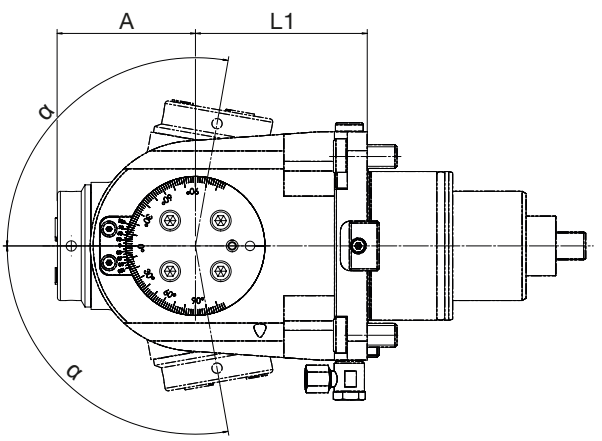


Collet Chuck
System ER
DIN 6499

i Other output spindles available upon request

i Accessories see online catalog

Collet Chuck



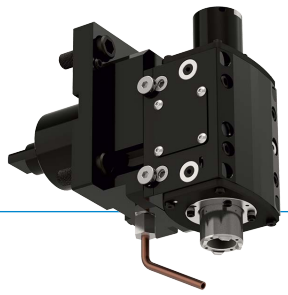
▶ **Technical Data**

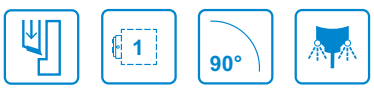
Output Spindle	Size	i	EC	IC*	n_{1max} / $n_{2\,max}$ [min^{-1}]	$M_{1\,max}$ / $M_{2\,max}$ [Nm]	A_{max} [mm]	L1 [mm]	α [°]	Order No.
Collet Chuck	ER32	1: 0,816	✔	-	4.500 / 3.700	57 / 70	70,6	86,5	100	**116FDX01859E6A**
	ER32	1: 0,816	✔	✔	4.500 / 3.700	57 / 70	75,7	86,5	100	**116GDX01859E6A**

*Internal Cooling p_{max} = 50 bar

LIVE TOOL - BMT 85
BROACHING UNIT BENZ LINA 4.0

▶ TECHNICAL DATA





▶ LENGTH (GS)

85 **110**

▶ LENGTH (GSL)

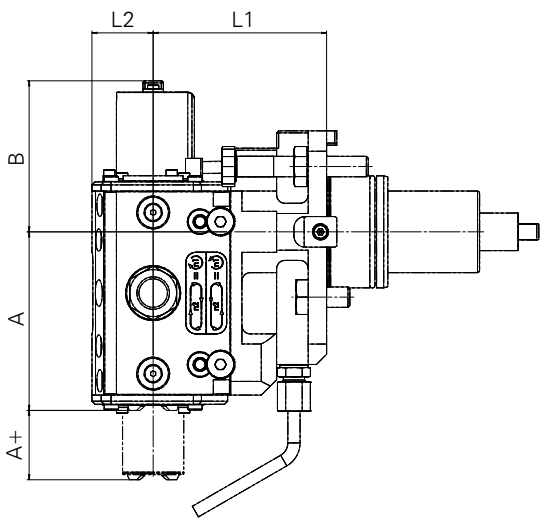
85 **110**

▶ OUTPUT SPINDLES



similar to prism
Ø 30mm

Accessories see online catalog



▶ Performance Data

Type	n_{max} [min^{-1}]	$M1_{max}$ [Nm]	f_{max} [mm]	Groove width$_{max}$ [mm]
GS	3.000/1.500	15	0,02-0,10	8-12
GSL	2.000/1.000	23	0,02-0,10	8-12

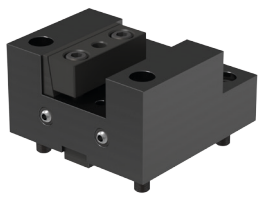
▶ Technical Data

Type	Size	i	EC	IC	*Stroke	A [mm]	A+ [mm]	B [mm]	L1 [mm]	L2 [mm]	Order No.
GS	16	2:1	✔	✔	32	85,5	34	68,5	85	30	**116GS01802B2D-85**
	16	2:1	✔	✔	32	85,5	34	68,5	110	30	**116GS01802B2D-110**
GSL	16	2:1	✔	✔	51	115,5	53	87,5	85	30	**116GSL01808B2D-85**
	16	2:1	✔	✔	51	115,5	53	87,5	110	30	**116GSL01808B2D-110**

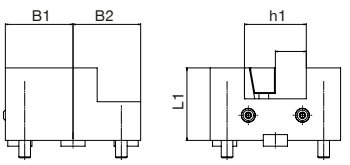
*Usable working stroke

STATIC HOLDER - BMT 85

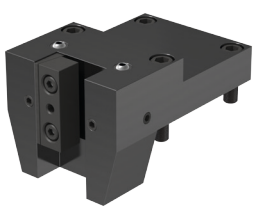
Face and I.D. Turning Tool - Single



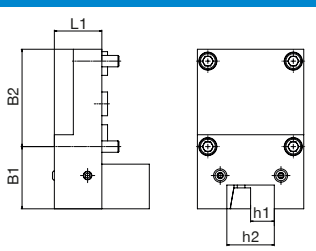
▶ **Technical Data**

Drawing	h1 [mm]	h2 [mm]	L1 [mm]	B1 [mm]	B2 [mm]	Order No.
	32	64	75	70	70	**116A018559001**

O.D. Turning Tool - Single



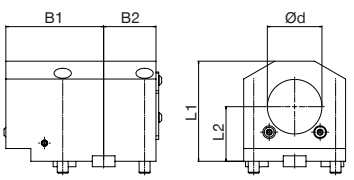
▶ **Technical Data**

Drawing	h1 [mm]	h2 [mm]	L1 [mm]	B1 [mm]	B2 [mm]	Order No.
	32	64	50	120	70	**116A018560001**

Boring Bar Holder



▶ **Technical Data**

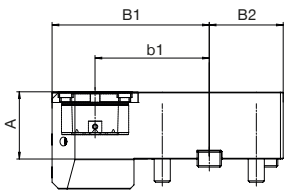
Drawing	Ø D [mm]	L1 [mm]	L2 [mm]	B1 [mm]	B2 [mm]	Order No.
	80	142	85	125	73	**116A018578001**

Axial Holder - Single | BENZ CAPTO™



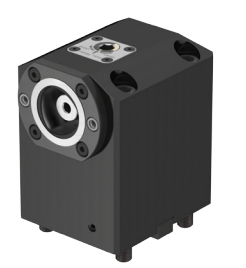
▶ **Technical Data**

Drawing



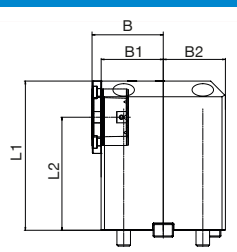
Size	A [mm]	b1 [mm]	B1 [mm]	B2 [mm]	Order No.
C6	35	113	155	70	**116AV018L6BRU-35**
C6	35	113	155	70	**116AV018L6BRN-35**

Radial Holder - Single | BENZ CAPTO™



▶ **Technical Data**

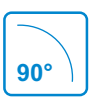
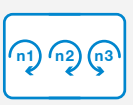
Drawing



Size	L1 [mm]	L2 [mm]	B [mm]	B1 [mm]	B2 [mm]	Order No.
C6	127	85	125	113	70	**116AP018L6BRU-85**
C6	127	85	125	113	70	**116AP018L6BRN-85**
C8	135	85	125	113	70	**116AP018L8BRU-85**
C8	135	85	125	113	70	**116AP018L8BRN-85**

EXPLANATION OF SYMBOLS AND ABBREVIATIONS

▶ OVERVIEW OF SYMBOLS AND ABBREVIATIONS

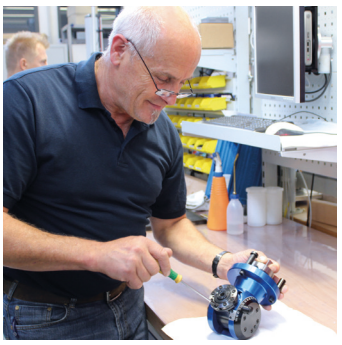
	▶ Live Tools – Specifications			
Symbol				
Type of machining	 **Drilling** The unit is suitable for boring machining	 **Milling** The unit is suitable for milling machining	 **Threading** The unit is suitable for thread machining	 **Broaching and slotting** The unit is suitable for machining by broaching and slotting
Number of output spindles	 **1** The unit has one tool holder	 **2** The unit has two tool holders		
Axis angle	 **0°** Unit for machining tasks at a 0° angle	 **90°** Unit for machining tasks at a 90° angle	 **± 0** Unit for machining tasks at an adjustable angle. 0° ±max. **α°** adjustable angle.	
Drive for spindle Direction of rotation	 clockwise / clockwise synchronized rotation	 clockwise / counterclockwise counter-rotation	 clockwise / clockwise / counterclockwise synchronized and counter-rotation (multi-spindle units)	
Coolant feed for cutting blade	 **Extern (EC)** The tool is cooled using an external feed line (spray nozzle)	 **Combination (EC+IC)** The tool is cooled by a combination of both internal and external systems		
Turret	 **Star turret**	 **Holder** symmetric		

Symbol	▶ Other specifications
Information	 **Info**  **Downloads**

▶ Abbreviations	
M_{max}	Maximum torque
i	Gear ratio
n_{max}	Maximum speed
p_{max}	Maximum pressure (bar)
EC	External cooling
IC	Internal cooling
p.	Page
✔	Possible
-	Not possible
SW	Width across flats
mm	Millimeter

LIVE TOOLS
SERVICE

▶ SERVICES: CUSTOMIZED, VALUE-RETAINING, COST-EFFECTIVE



▶ Service evaluation and repair

- quick and professional analysis of damage
- findings and recommended repairs within 5 working days
- you decide based on the recommendation how to proceed
- on request: general overhaul



▶ Rapid Repair Kits

- reduce downtime costs due to a machine standstill
- all critical wear and special parts available for a prompt repair
- assembly of your individual Rapid Repair Kit
- offer and order processing
- attractive pricing



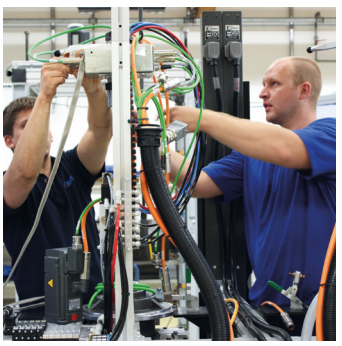
▶ Express Service

- Exceptionally fast and efficient turnaround
- Repair at a fixed price
- 48-hour ExpressService available for selected units



▶ Preventive maintenance

- preventively reduce unplanned downtimes
- increase the unit‘s lifetime
- maintenance of a perfect product condition
- can be done during a shutdown
- on request: general overhaul



Worldwide on-site service

- professinal assembly / product briefing
- troubleshooting
- regular maintenance
- repair on-site (if possible)



Service Hotline

- skilled service representatives answer your questions and provide additional support in the event of a problem
- Phone: +49 7832 704-8600
- Email: service@benztooling.com

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- PRECISE, CUSTOMER-SPECIFIC SOLUTIONS
- CONSTANT DEVELOPMENT OF OUR INDUSTRY EXPERTISE

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BENZ GmbH Werkzeugsysteme
Kinzigpark 3
77723 Gengenbach
Germany

+49 7803 504 300-0
info@benztooling.com
www.benztooling.com

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