

DN SOLUTIONS BMT

Live Tools & Static Holders

Tooling & Machine Tooling Technology

Metal machining





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

Overview of machines - unit navigator / DN Solutions

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

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

BMT 85

PUMA (M, LM, XLM, XLY)

- + 600
- + 700
- + 800

PUMA VT (M, M-2SP)

- + 900
- + 1100

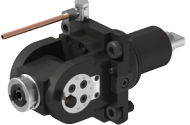
LIVE TOOLS - BMT 45

DN Solutions

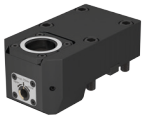
1.1

DN Solutions / Live Tools - BMT 45

LIVE TOOLS

	AXIAL	8		RADIAL	9
	RADIAL, RECESSED	10		DOUBLE-SPINDLE	11
	ADJUSTABLE	12		BROACHING UNIT	13

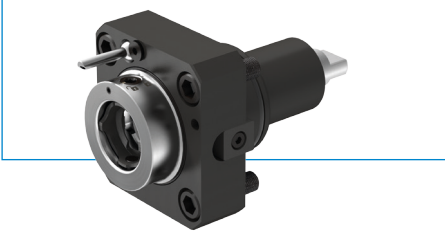
STATIC HOLDERS

	STANDARD	14		BENZ CAPTO™	15
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LIVE TOOL - BMT 45

AXIAL

TECHNICAL DATA



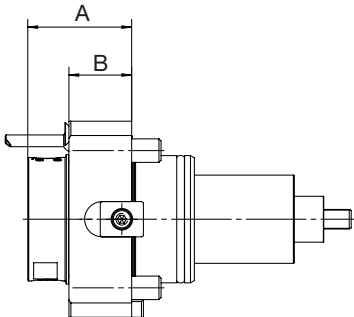
OUTPUT SPINDLES



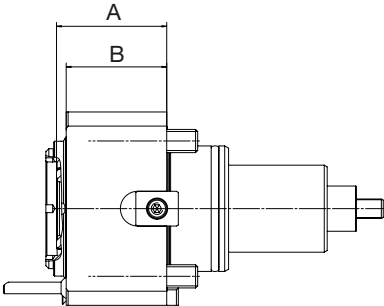
BENZ Solidfix®
Collet Chuck System ER
DIN 6499
BENZ CAPTO™

- Other output spindles available upon request
- Accessories see online catalog

BENZ Solidfix®



BENZ CAPTO™



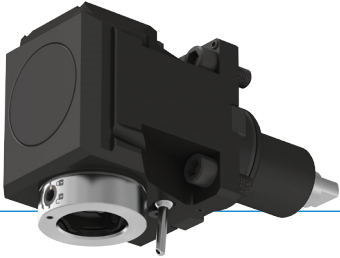
Technical Data									
Output Spindles	Size	i	EC	IC*	$n_{1\max} / n_{2\max}$ [min ⁻¹]	$M_{1\max} / M_{2\max}$ [Nm]	$A_{\max}$ [mm]	B [mm]	Order No.
BENZ Solidfix®	S3	1:1	✓	-	8.000 / 8.000	30 / 30	43	25	113DA056E0S3
	S3	1:1	✓	✓	8.000 / 8.000	30 / 30	43	25	113EA05600S3
Collet Chuck	ER20	1:1	✓	-	8.000 / 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

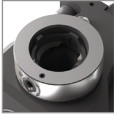


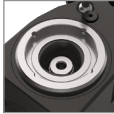
▶ LENGTH

65

85

▶ OUTPUT SPINDLES





BENZ Solidfix®

Collet Chuck System ER
DIN 6499

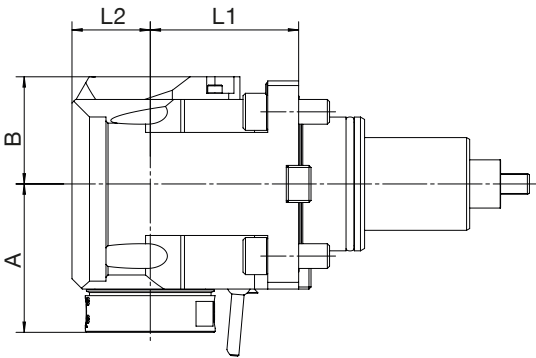
BENZ CAPTO™

Other output spindles available upon request

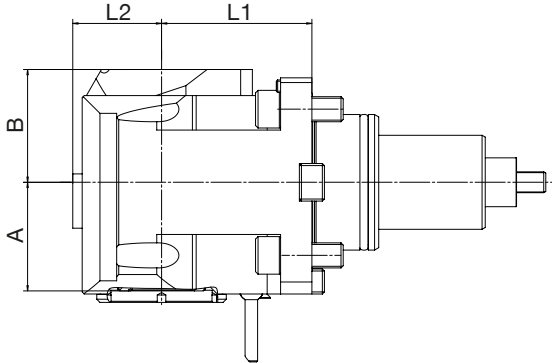
Accessories see online catalog



BENZ Solidfix®



BENZ CAPTO™



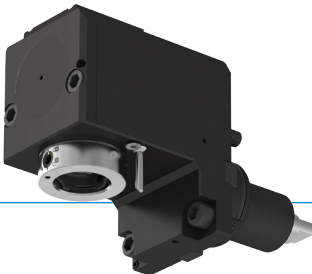
	▶ Technical Data										
Output Spindles	Size	i	EC	IC*	n _{1max} / n _{2max} [min ⁻¹]	M _{1max} / M _{2max} [Nm]	A _{max} [mm]	B [mm]	L1 [mm]	L2 [mm]	Order No.
BENZ Solidfix®	S3	1:1	✓	-	8.000 / 8.000	30 / 30	56	40	65	28	113FAX05639S3D-65
	S3	1:1	✓	✓	8.000 / 8.000	30 / 30	56	58	65	28	113GAX05639S3D-65
	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

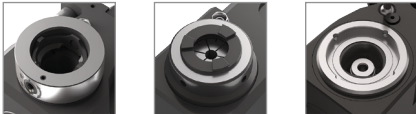
TECHNICAL DATA



LENGTH

6585

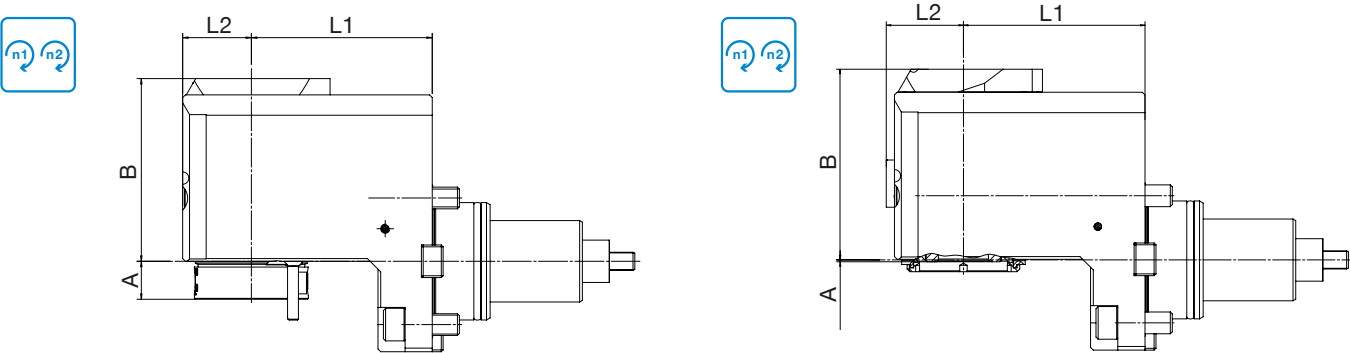
OUTPUT SPINDLES





Other output spindles available upon request

Accessories see online catalog



	▶ Technical Data										
Output Spindles	Size	i	EC	IC*	$n_{1\max} / n_{2\max}$ [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	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™

Other output spindles available upon request

Accessories see online catalog

BENZ Solidfix®

BENZ CAPTO™

▶ Technical Data											
Output Spindles	Size	i	EC	IC	$n_{1\max} / n_{2\max}$ [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	56	65	28	113FAX05639S32-65
	S3	1:1	✓	-	8.000 / 8.000	30 / 30	56	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

1.1

Double-spindle / Live tool - BMT 45

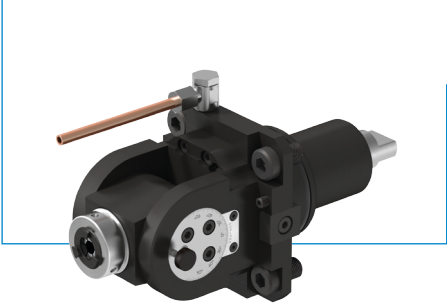
www.benztooling.com

11

LIVE TOOL - BMT 45

ADJUSTABLE

TECHNICAL DATA



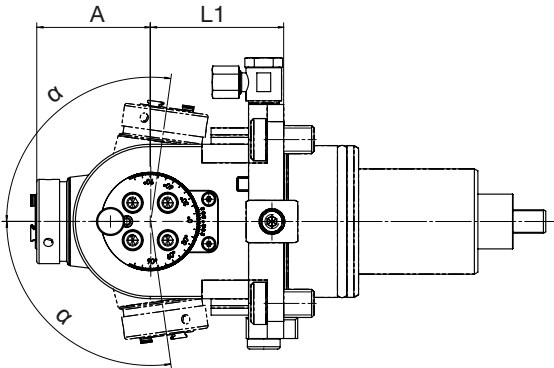
OUTPUT SPINDLES



Collet Chuck
System ER
DIN 6499

- Other output spindles available upon request
- Accessories see online catalog

Collet Chuck



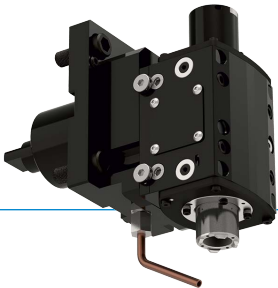
	▶ Technical Data									
Output Spindles	Size	i	EC	IC*	$n_{1\max} / n_{2\max}$ [min ⁻¹]	$M_{1\max} / M_{2\max}$ [Nm]	$A_{\max}$ [mm]	L1 [mm]	α [°]	Order No.
Collet Chuck	ER16	1:0,879	✓	-	8.000 / 7.000	10 / 12	51,1	57	± 98	113FDX05639E3A
	ER16	1:0,879	✓	✓	8.000 / 7.000	10 / 12	56	57	± 98	113GDX05639E3A
	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



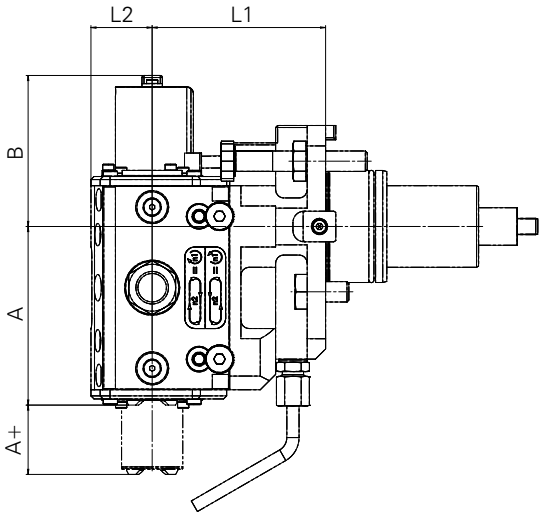
similar to prism
Ø 30mm







 Accessories see online catalog



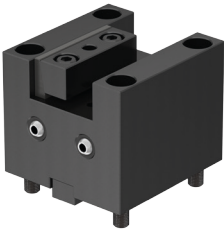
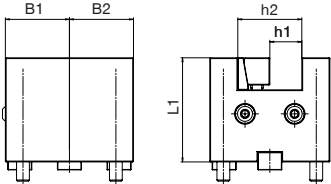
▶ Performance Data				
Type	n_{max} [min ⁻¹]	$M1_{max}$ [Nm]	f_{max} [mm]	Groove width _{max} [mm]
GS	3.000/1.500	15	0,02-0,10	8-12

	▶ 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

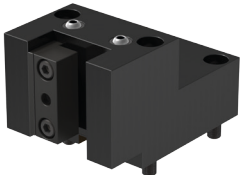
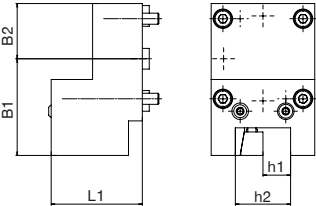
* Usable working stroke

STATIC HOLDER - BMT 45

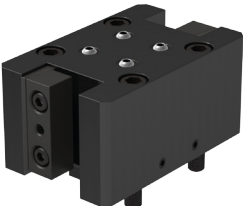
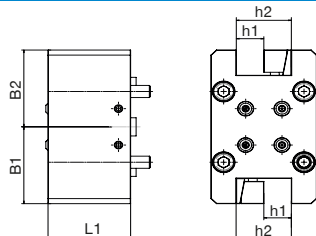
Face and I.D. Turning Tool - Single

	Technical Data					
	Drawing	h1 [mm]	h2 [mm]	L [mm]	B1 [mm]	B2 [mm] Order No.
		20	40	65	40	40 113A056559001

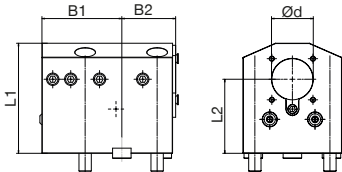
O.D. Turning Tool - Single

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

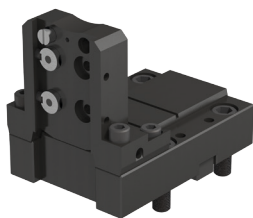
O.D. Turning Tool - Double

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

Boring Bar Holder

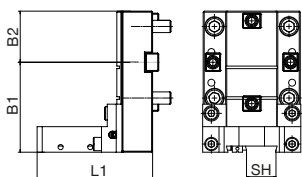
	Technical Data					
	Drawing	Ø d [mm]	L1 [mm]	L2 [mm]	B1 [mm]	B2 [mm] Order No.
		32	95	65	40	43 113A056578001

Cut-Off Holder



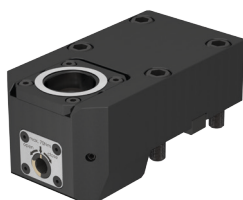
► Technical Data

Drawing



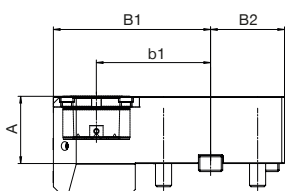
SH [mm]	L1 [mm]	B1 [mm]	B2 [mm]	Order No.
26	78	75	40	113A056583001

Axial Holder - Single | BENZ CAPTO™



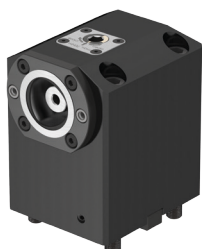
► Technical Data

Drawing



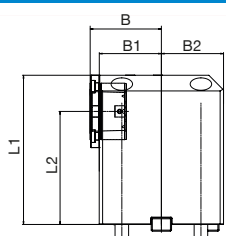
Size	A [mm]	b1 [mm]	B1 [mm]	B2 [mm]	Order No.
C4	50	58	82	40	113AV056L4BDU-50
C4	50	58	82	40	113AV056L4BDN-50

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

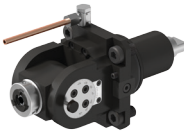
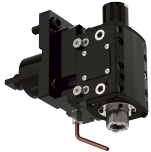
LIVE TOOLS - BMT 55

DN Solutions

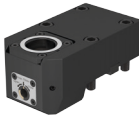
1.2

DN Solutions / Live Tools - BMT 55

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
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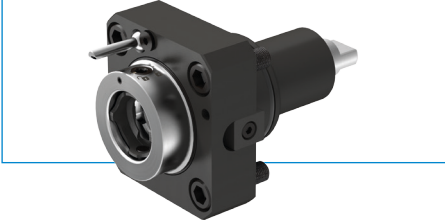
1.2

DN Solutions / Live Tools - BMT 55

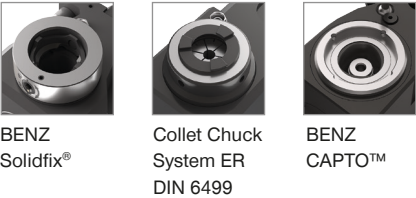
LIVE TOOL - BMT 55

AXIAL

TECHNICAL DATA

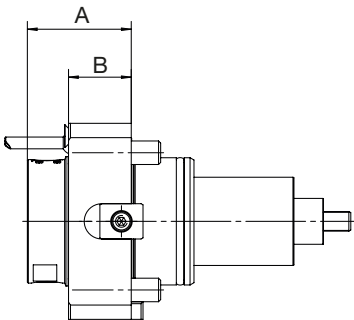


OUTPUT SPINDLES

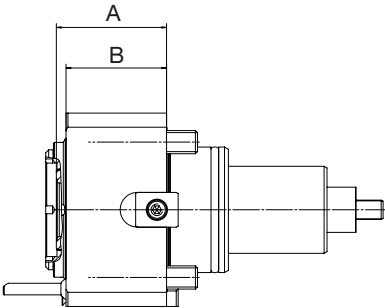


- Other output spindles available upon request
- Accessories see online catalog

BENZ Solidfix®



BENZ CAPTO™



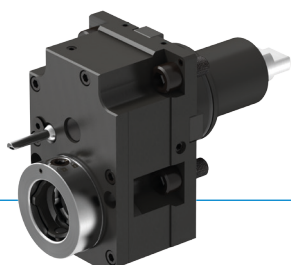
Technical Data									
Output Spindles	Size	i	EC	IC*	n_{1max} / n_{2max} [min ⁻¹]	M_{1max} / M_{2max} [Nm]	A_{max} [mm]	B [mm]	Order No.
BENZ Solidfix®	S3	1:1	✓	-	6.000 / 6.000	50 / 50	49	30	114DA11400S3
	S3	1:1	✓	✓	6.000 / 6.000	50 / 50	49	30	114EA11400S3
	S4	1:1	✓	-	6.000 / 6.000	50 / 50	51	30	114DA11400S4
	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

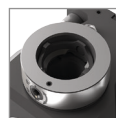
LIVE TOOL - BMT 55

AXIAL, OFFSET

TECHNICAL DATA



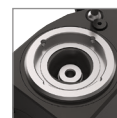
OUTPUT SPINDLES



BENZ
Solidfix®



Collet Chuck
System ER
DIN 6499



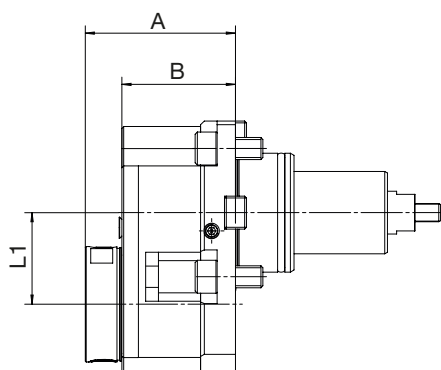
BENZ
CAPTO™

i Other output spindles available upon request

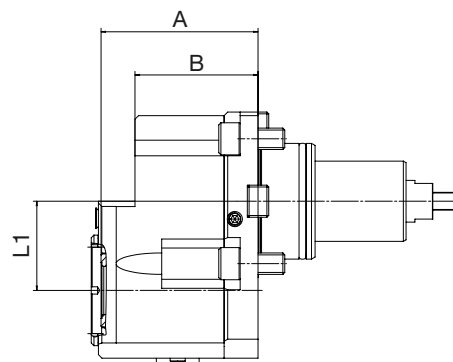
i Accessories see online catalog



BENZ Solidfix®



BENZ CAPTO™



Technical Data

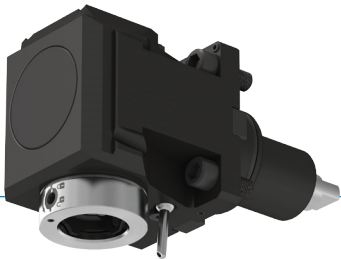
Output Spindles	Size	i	EC	IC*	$n_{1\max} / n_{2\max}$ [min ⁻¹]	$M_{1\max} / M_{2\max}$ [Nm]	$A_{\max}$ [mm]	B [mm]	L1 [mm]	Order No.
BENZ Solidfix®	S3	1:1	✓	-	6.000 / 6.000	30 / 30	70	53	42	114DM11494S3D
	S3	1:1	✓	✓	6.000 / 6.000	30 / 30	77	60	42	114EM11494S3D
	S3	1:2	✓	-	6.000 / 12.000	30 / 15	70	53	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



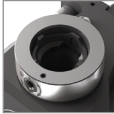
LENGTH

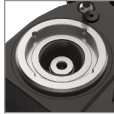
60

70

85

OUTPUT SPINDLES





BENZ Solidfix®

Collet Chuck System ER
DIN 6499

BENZ CAPTO™





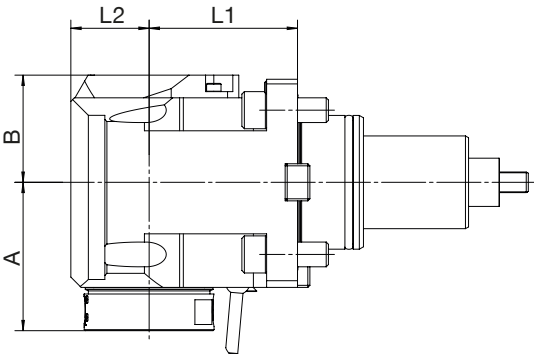




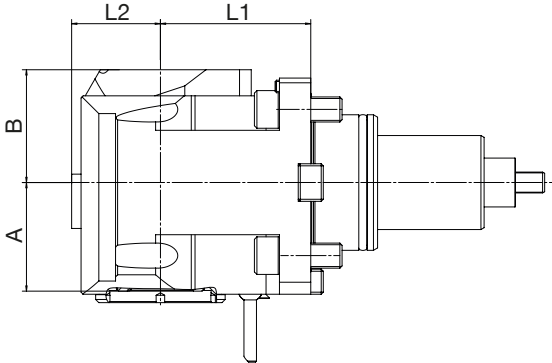
Other output spindles available upon request

Accessories see online catalog

BENZ Solidfix®



BENZ CAPTO™



	▶ Technical Data										
Output Spindles	Size	i	EC	IC*	$n_{1\max} / n_{2\max}$ [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
	S4	1:1	✓	✓	6.000 / 6.000	70 / 70	72	60	85	38	114GAX11449S4D-85

*Internal Cooling p_{max} = 100 bar

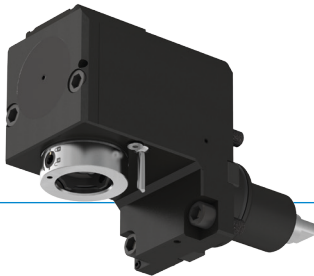
► Technical Data											
Output Spindles	Size	i	EC	IC*	$n_{1\max} / n_{2\max}$ [min ⁻¹]	$M_{1\max} / M_{2\max}$ [Nm]	$A_{\max}$ [mm]	B [mm]	L1 [mm]	L2 [mm]	Order No.
BENZ Solidfix®	S2	1:2	✓	-	6.000 / 12.000	20 / 10	64	44	60	28	114FWX11439S2D-60
	S2	1:2	✓	-	6.000 / 12.000	20 / 10	64	44	70	28	114FWX11439S2D-70
	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
Collet Chuck	S2	1:2	✓	✓	6.000 / 12.000	20 / 10	64	58	85	28	114GWX11439S2D-85
	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
	ER32	1:1	✓	✓	6.000 / 6.000	70 / 70	74,2	60	60	38	114GAX11449E6AD-60
	ER32	1:1	✓	✓	6.000 / 6.000	70 / 70	74,2	60	70	38	114GAX11449E6AD-70
	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

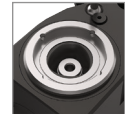
OUTPUT SPINDLES



BENZ
Solidfix®



Collet Chuck
System ER
DIN 6499



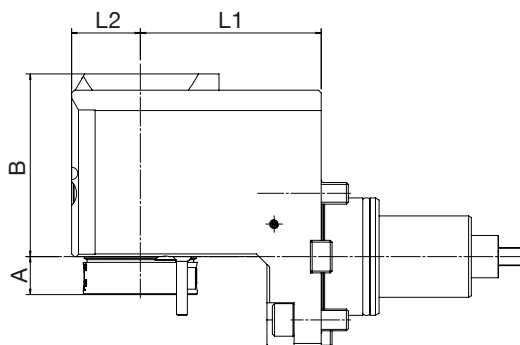
BENZ
CAPTO™



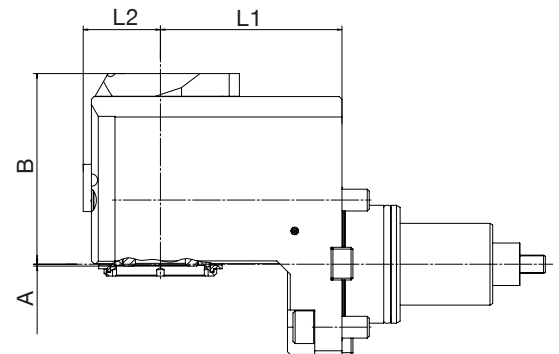
i Other output spindles available upon request

i Accessories see online catalog

BENZ Solidfix®



BENZ CAPTO™



Technical Data

Output Spindles	Size	i	EC	IC*	n_{1max} / n_{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	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



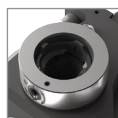
LENGTH

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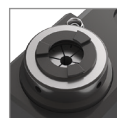
70

85

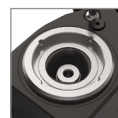
OUTPUT SPINDLES



BENZ Solidfix®



Collet Chuck System ER
DIN 6499



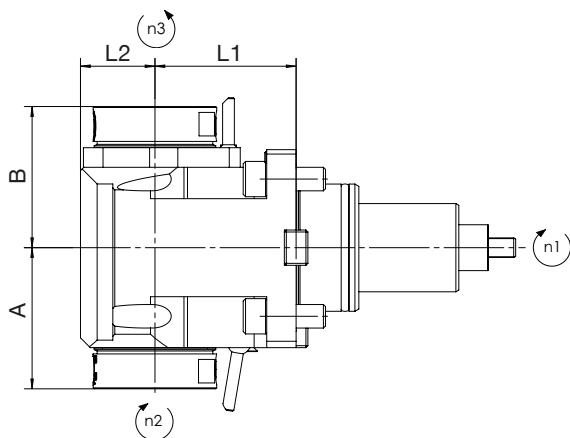
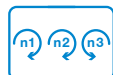
BENZ CAPTO™



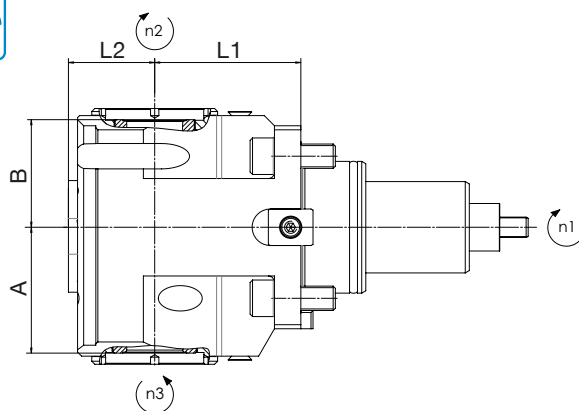
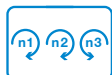
i Other output spindles available upon request

i Accessories see online catalog

BENZ Solidfix®



BENZ CAPTO™



Technical Data

Output Spindles	Size	i	EC	IC	n_{1max} / n_{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	56	60	28	114FAX11439S32-60
	S3	1:1	✓	-	8.000 / 8.000	30 / 30	56	56	70	28	114FAX11439S32-70
	S3	1:1	✓	-	8.000 / 8.000	30 / 30	56	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

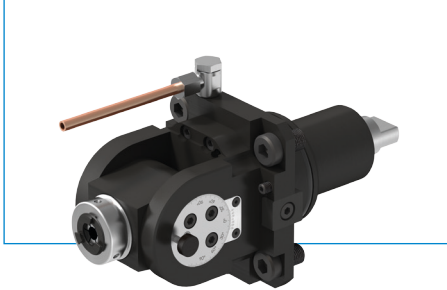
1.2

Double-Spindle / Live Tool - BMT 55

LIVE TOOL - BMT 55

ADJUSTABLE

TECHNICAL DATA



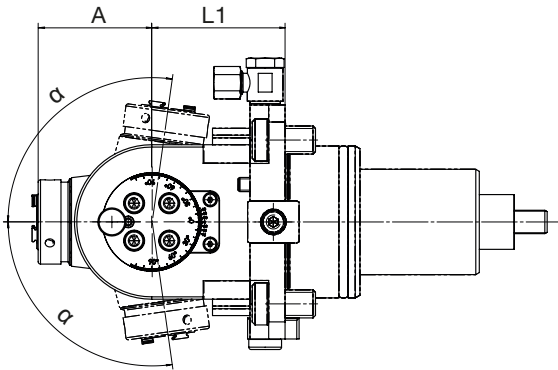
OUTPUT SPINDLE



Collet Chuck
System ER
DIN 6499

- Other output spindles available upon request
- Accessories see online catalog

Collet Chuck



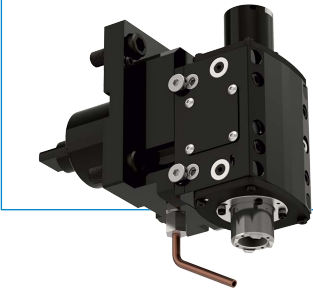
	▶ Technical Data									
Output Spindles	Size	i	EC	IC*	$n_{1\max} / n_{2\max}$ [min ⁻¹]	$M_{1\max} / M_{2\max}$ [Nm]	$A_{\max}$ [mm]	L1 [mm]	α [°]	Order No.
Collet Chuck	ER16	1:0,879	✓	-	8.000 / 7.000	10 / 12	51,1	57	± 98	114FDX11439E3A
	ER16	1:0,879	✓	✓	8.000 / 7.000	10 / 12	56	57	± 98	114GDX11439E3A
	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

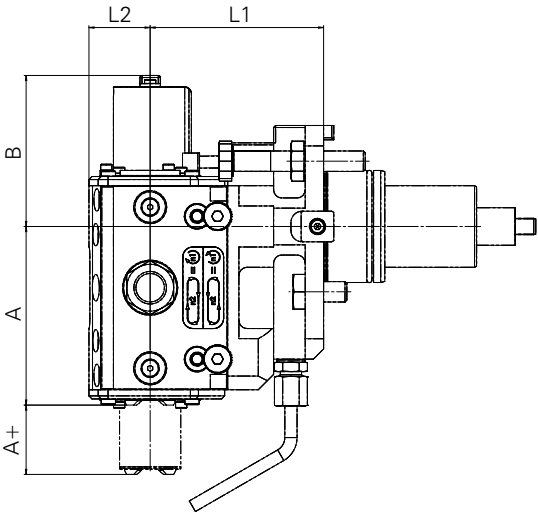
► OUTPUT SPINDLE



similar to prism
Ø 30mm

i

Accessories see online catalog



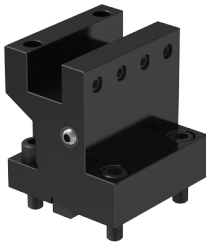
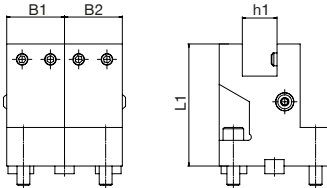
► Performance Data				
Type	n_{max} [min ⁻¹]	$M1_{max}$ [Nm]	f_{max} [mm]	Groove width _{max} [mm]
GS	3.000/1.500	15	0,02-0,10	8-12
GSL	2.000/1.000	23	0,02-0,10	8-12

	► 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

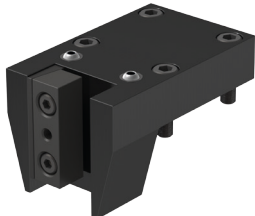
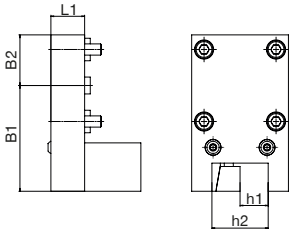
* Usable working stroke

STATIC HOLDER - BMT 55

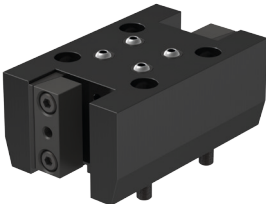
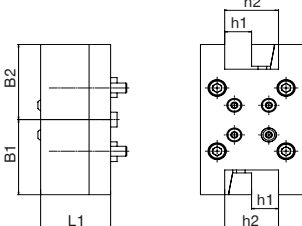
Face and I.D. Turning Tool - Single

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

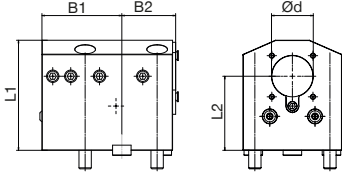
O.D. Turning Tool - Single

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

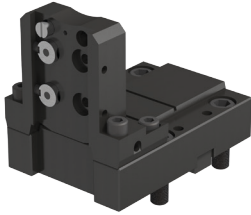
O.D. Turning Tool - Double

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

Boring Bar Holder

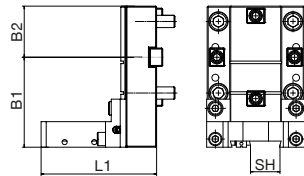
	► Technical Data						
	Drawing	Ød [mm]	L1 [mm]	L2 [mm]	B1 [mm]	B2 [mm]	Order No.
		40	100	70	58	51	114A114578002

Cut-Off Holder



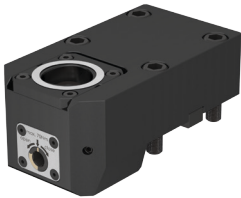
► Technical Data

Drawing



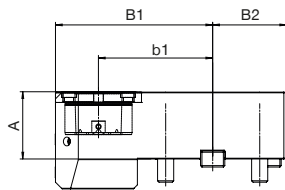
SH [mm]	L1 [mm]	B1 [mm]	B2 [mm]	Order No.
32	93	79	45	114A114583001

Axial Holder – Single | BENZ CAPTO™



► Technical Data

Drawing



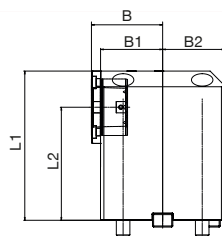
Size	A [mm]	b1 [mm]	B1 [mm]	B2 [mm]	Order No.
C4	70	38	62	44	114AV114L4BDU-70
C4	70	38	62	44	114AV114L4BDN-70

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

1.3

DN Solutions / Live Tools - BMT 65

LIVE TOOLS



AXIAL

30



AXIAL, OFFSET

31



RADIAL

32



RADIAL, RECESSED

34



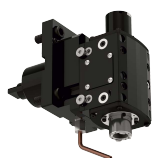
DOUBLE-SPINDLE

35



ADJUSTABLE

36



BROACHING UNIT

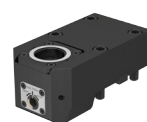
37

STATIC HOLDERS



STANDARD

38



BENZ CAPTO™

39

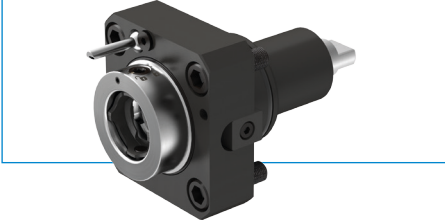
1.3

DN Solutions / Live Tools - BMT 65

LIVE TOOL - BMT 65

AXIAL

TECHNICAL DATA



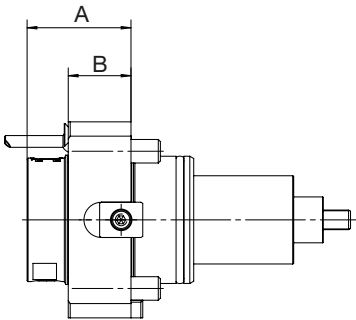
OUTPUT SPINDLES



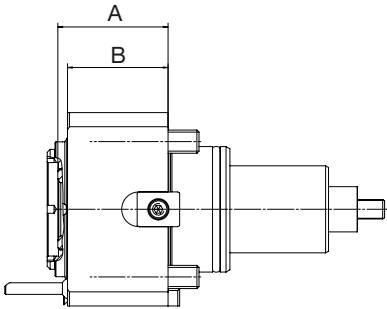
BENZ Solidfix®
Collet Chuck System ER DIN 6499
BENZ CAPTO™

- Other output spindles available upon request
- Accessories see online catalog

BENZ Solidfix®



BENZ CAPTO™



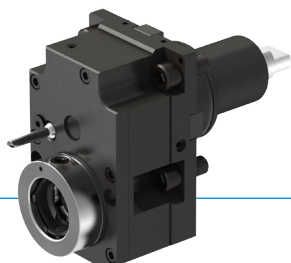
Technical Data									
Output Spindle	Size	i	EC	IC*	n_{1max} / n_{2max} [min ⁻¹]	M_{1max} / M_{2max} [Nm]	A_{max} [mm]	B [mm]	Order No.
BENZ Solidfix®	S4	1:1	✓	-	6.000 / 6.000	70 / 70	53	32	114DA127E0S4
	S4	1:1	✓	✓	6.000 / 6.000	70 / 70	53	32	114EA12700S4
Collet Chuck	ER32	1:1	✓	-	6.000 / 6.000	70 / 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

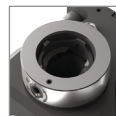
LIVE TOOL - BMT 65

AXIAL, OFFSET

► TECHNICAL DATA



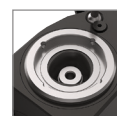
► OUTPUT SPINDLES



BENZ
Solidfix®



Collet Chuck
System ER
DIN 6499



BENZ
CAPTO™



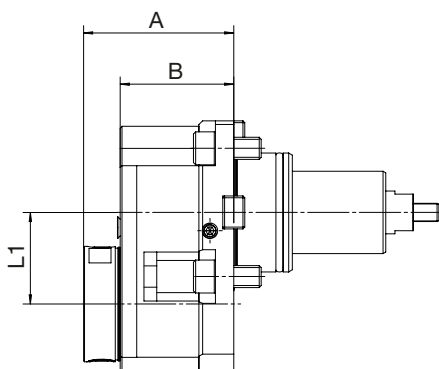
Other output spindles available upon request



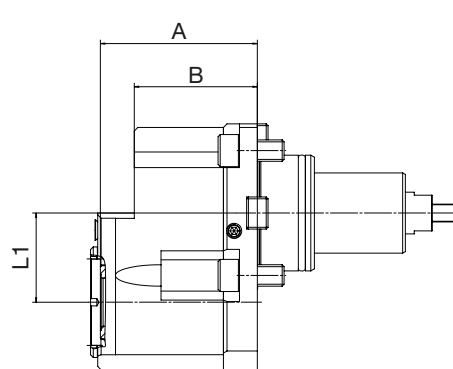
Accessories see online catalog



BENZ Solidfix®



BENZ CAPTO™



► Technical Data

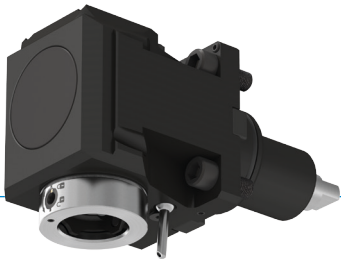
Output Spindle	Size	i	EC	IC*	$n_{1\max} / n_{2\max}$ [min ⁻¹]	$M_{1\max} / M_{2\max}$ [Nm]	$A_{\max}$ [mm]	B [mm]	L1 [mm]	Order No.
BENZ Solidfix®	S4	1:1	✓	-	6.000 / 6.000	50 / 50	82	62	50	114DM12781S4D
	S4	1:1	✓	✓	6.000 / 6.000	50 / 50	97	77	50	114EM12781S4D
	S3	1:2	✓	-	4.500 / 9.000	50 / 25	81	62	50	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



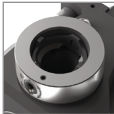
LENGTH

72

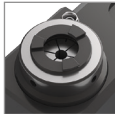
85

100

OUTPUT SPINDLES



BENZ Solidfix®



Collet Chuck System ER
DIN 6499

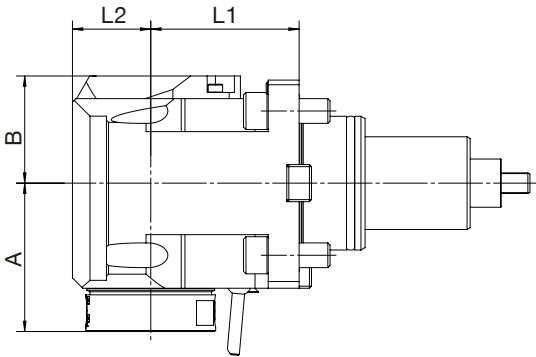


BENZ CAPTO™

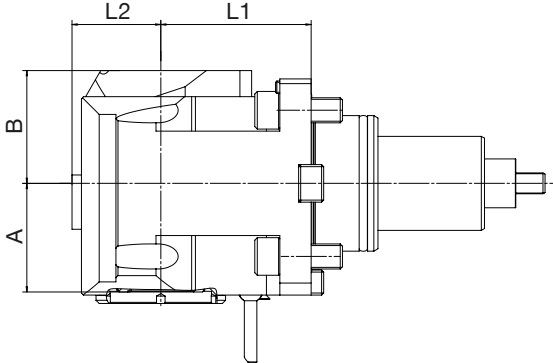
Other output spindles available upon request

Accessories see online catalog

BENZ Solidfix®



BENZ CAPTO™



	▶ Technical Data										
Output Spindle	Size	i	EC	IC*	n _{1 max} / 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	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

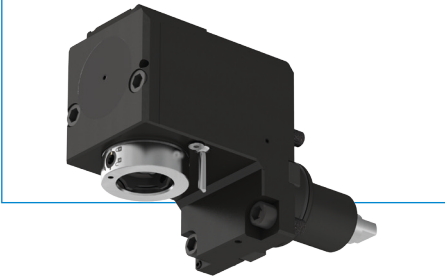
	► Technical Data										
Output Spindle	Size	i	EC	IC*	n _{1max} / n _{2 max} [min ⁻¹]	M _{1 max} / M _{2 max} [Nm]	A _{max} [mm]	B [mm]	L1 [mm]	L2 [mm]	Order No.
Collet Chuck	ER32	1:1	✓	-	6.000 / 6.000	70 / 70	69,1	52	72	38	114FAX127E4E6AD-72-Z
	ER32	1:1	✓	-	6.000 / 6.000	70 / 70	69,1	52	85	38	114FAX12749E6AD-85
	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™

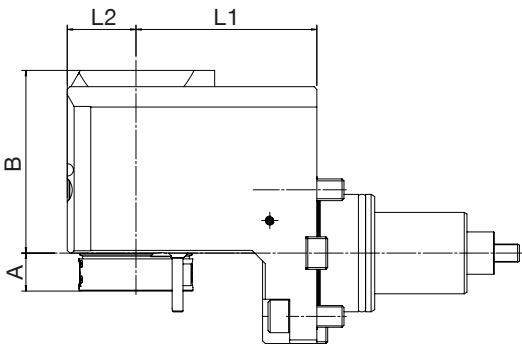


Other output spindles available upon request

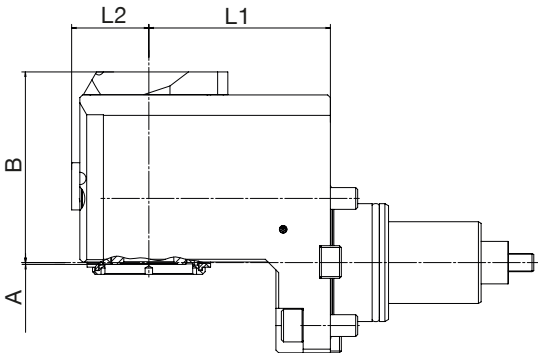


Accessories see online catalog

BENZ Solidfix®



BENZ CAPTO™



Technical Data

Output Spindle	Size	i	EC	IC *	n_{1max} / n_{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	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



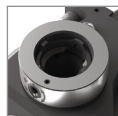
LENGTH

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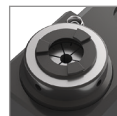
85

100

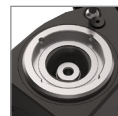
OUTPUT SPINDLES



BENZ
Solidfix®



Collet Chuck
System ER
DIN 6499



BENZ
CAPTO™



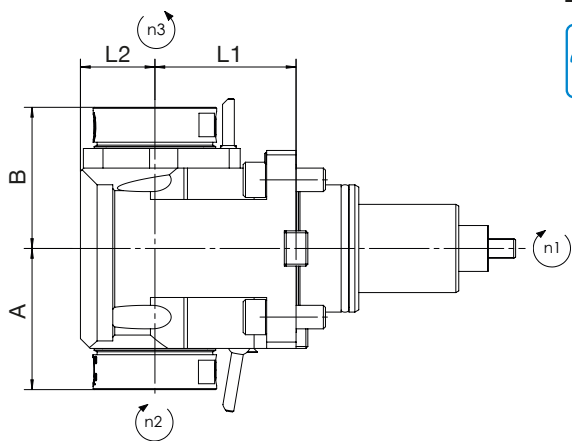
Other output spindles available upon request



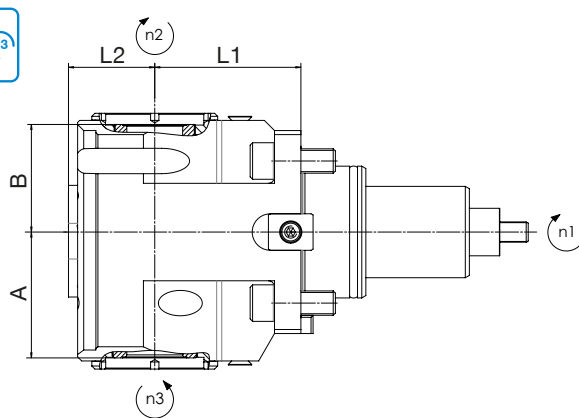
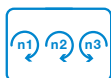
Accessories see online catalog



BENZ Solidfix®



BENZ CAPTO™



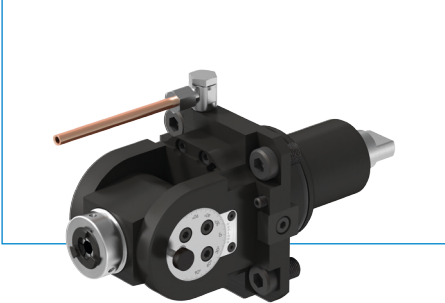
Technical Data

Output Spindle	Size	i	EC	IC	$n_{1\max} / n_{2\max}$ [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



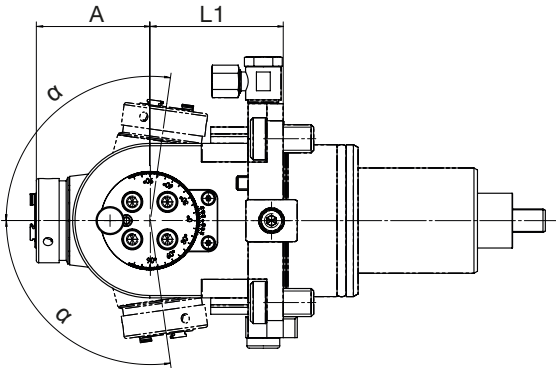
OUTPUT SPINDLE



Collet Chuck
System ER
DIN 6499

- Other output spindles available upon request
- Accessories see online catalog

Collet Chuck



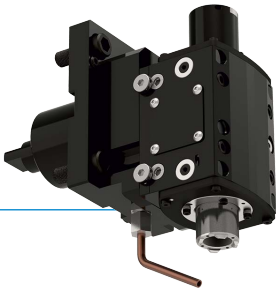
	▶ Technical Data									
Output Spindle	Size	i	EC	IC	$n_{1\max} / n_{2\max}$ [min ⁻¹]	$M_{1\max} / M_{2\max}$ [Nm]	$A_{\max}$ [mm]	L1 [mm]	α [°]	Order No.
Collet Chuck	ER16	1:0,879	✓	-	8.000 / 7.000	10 / 12	51,1	57	± 98	114FDX12739E3A
	ER16	1:0,879	✓	✓	8.000 / 7.000	10 / 12	56	57	± 98	114GDX12739E3A
	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)

7285100

▶ LENGTH (GSL)

7285100

▶ OUTPUT SPINDLE



similar to prism
Ø 30mm

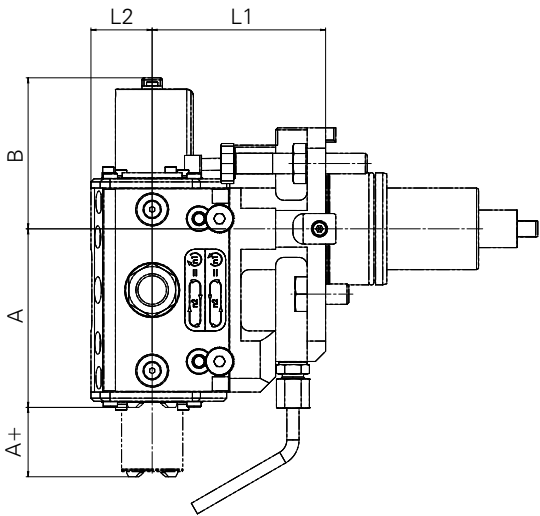
▶ 1

90°

▶

i

Accessories see online catalog



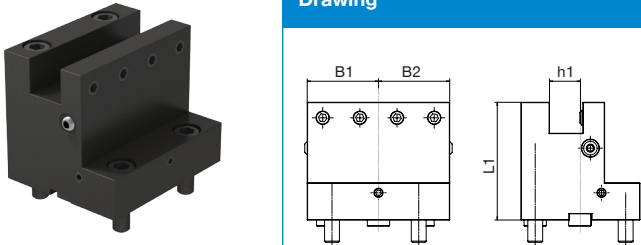
▶ Performance Data				
Type	n_{max} [min ⁻¹]	$M1_{max}$ [Nm]	f_{max} [mm]	Groove width _{max} [mm]
GS	3.000/1.500	15	0,02-0,10	8-12
GSL	2.000/1.000	23	0,02-0,10	8-12

▶ 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

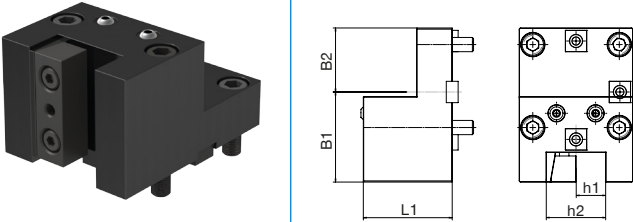
*Usable working stroke

STATIC HOLDER - BMT 65

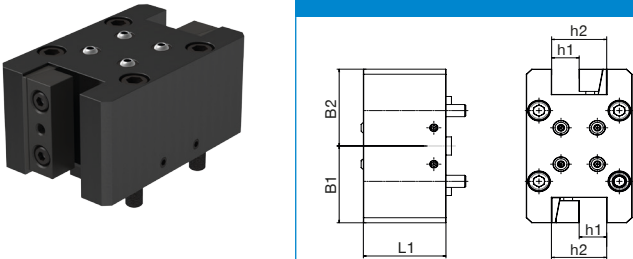
Face and I.D. Turning Tool - Single

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

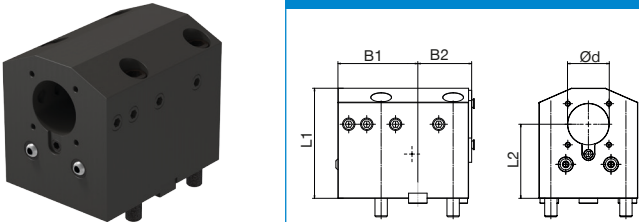
O.D. Turning Tool - Single

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

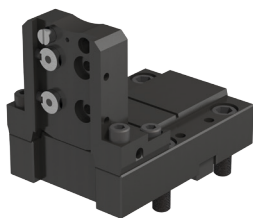
O.D. Turning Tool - Double

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

Boring bar Holder

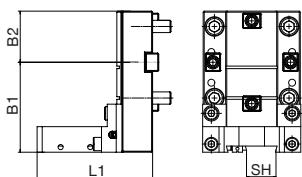
Technical Data						
Drawing	Ød [mm]	L1 [mm]	L2 [mm]	B1 [mm]	B2 [mm]	Order No.
	40	107	72	68	62	114A127578001

Cut-Off Holder



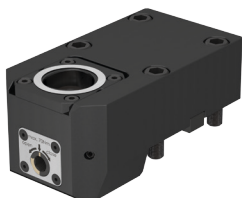
Technical Data

Drawing



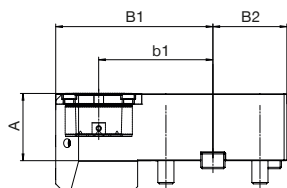
SH [mm]	L1 [mm]	B1 [mm]	B2 [mm]	Order No.
32	113	88	50	114A127583001

Axial Holder - Single | BENZ CAPTO™



Technical Data

Drawing



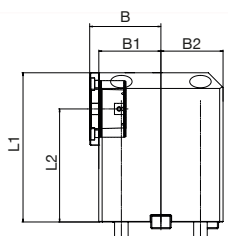
Size	A [mm]	b1 [mm]	B1 [mm]	B2 [mm]	Order No.
C4	60	71	95	47	114AV127L4BDU-60
C4	60	71	95	47	114AV127L4BDN-60
C5	50	88	120	47	114AV127L5BDU-50
C5	50	88	120	47	114AV127L5BDN-50

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

1.4

DN Solutions / Live Tools - BMT 75

LIVE TOOLS



AXIAL

42



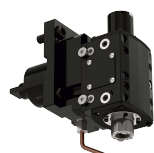
RADIAL

44



ADJUSTABLE

46



BROACHING UNIT

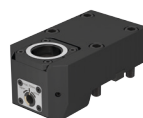
47

STATIC HOLDERS



STANDARD

48



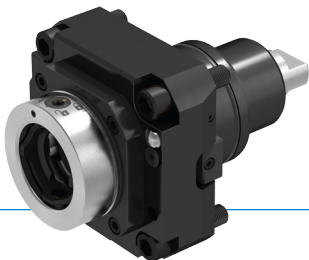
BENZ CAPTO™

49

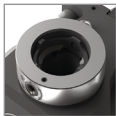
LIVE TOOL - BMT 75

AXIAL

TECHNICAL DATA



OUTPUT SPINDLES



BENZ
Solidfix®



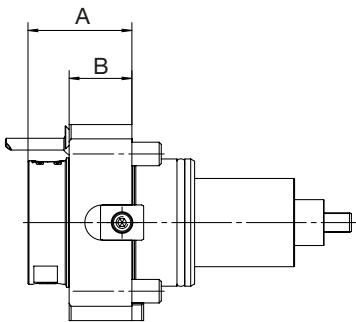
Collet Chuck
System ER
DIN 6499



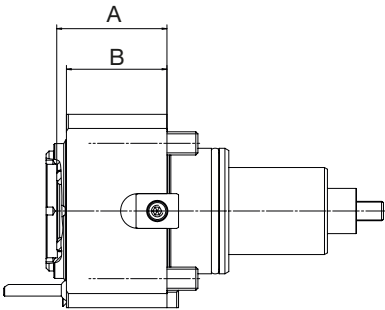
BENZ
CAPTO™

- Other output spindles available upon request
- Accessories see online catalog

BENZ Solidfix®

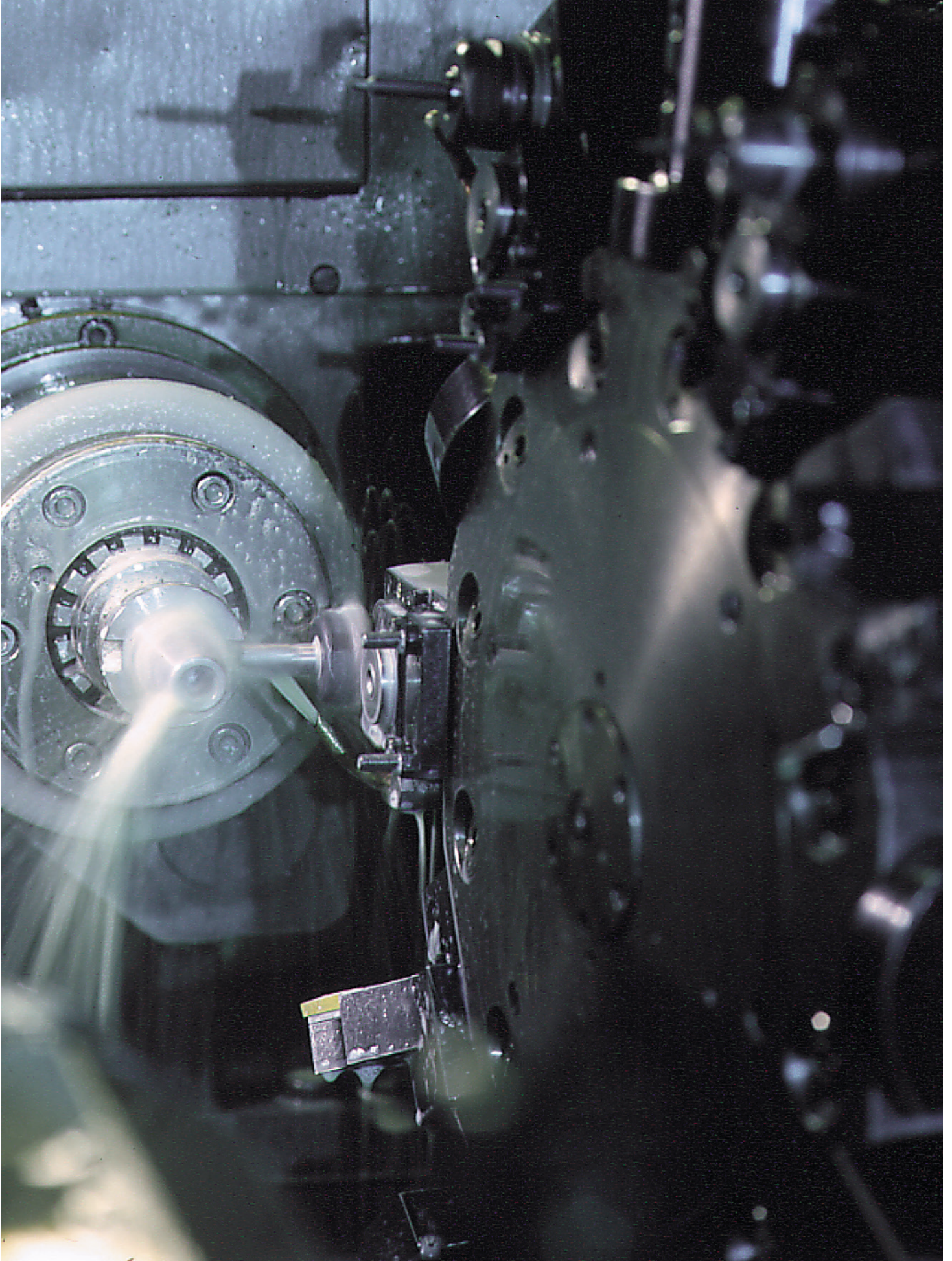


BENZ CAPTO™



Technical Data									
Output Spindle	Size	i	EC	IC*	$n_{1\max} / n_{2\max}$ [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

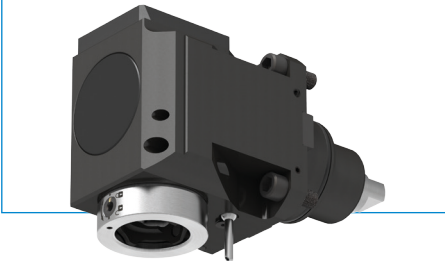
*Internal Cooling $p_{\max} = 50$ bar



LIVE TOOL - BMT 75

RADIAL

TECHNICAL DATA



LENGTH

- 60
- 90

OUTPUT SPINDLES

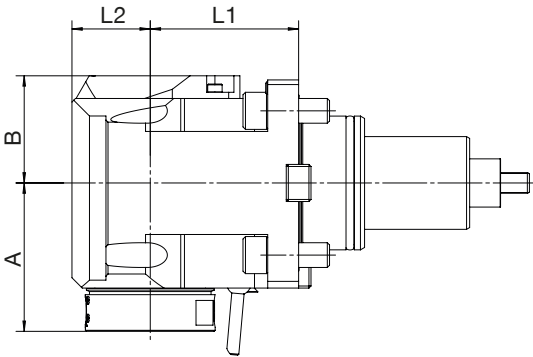


- BENZ Solidfix®
- Collet Chuck System ER DIN 6499
- BENZ CAPTO™

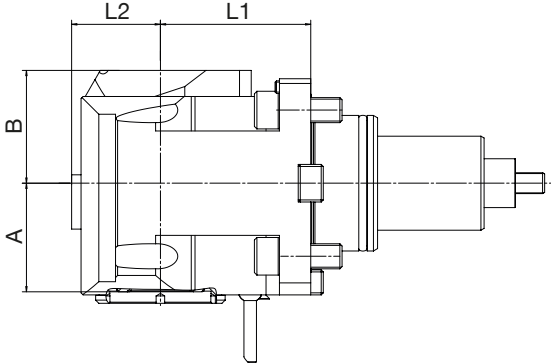


- Other output spindles available upon request
- Accessories see online catalog

BENZ Solidfix®



BENZ CAPTO™



Output Spindle	Technical Data										Order No.
	Size	i	EC	IC*	$n_{1\max} / n_{2\max}$ [min ⁻¹]	$M_{1\max} / M_{2\max}$ [Nm]	$A_{\max}$ [mm]	B [mm]	L1 [mm]	L2 [mm]	
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

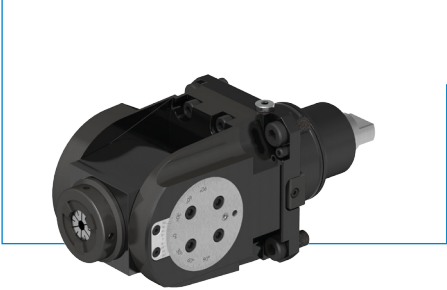
	► Technical Data										
Output Spindle	Size	i	EC	IC*	n _{1max} / n _{2max} [min ⁻¹]	M _{1max} / M _{2max} [Nm]	A _{max} [mm]	B [mm]	L1 [mm]	L2 [mm]	Order No.
Collet Chuck	ER40	1:1	✓	-	4.500 / 4.500	150 / 150	81,5	62	60	41	115FAX033E5E7AD-60-Z
	ER40	1:1	✓	-	4.500 / 4.500	150 / 150	81,5	62	90	41	115FAX03359E7AD-90
	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



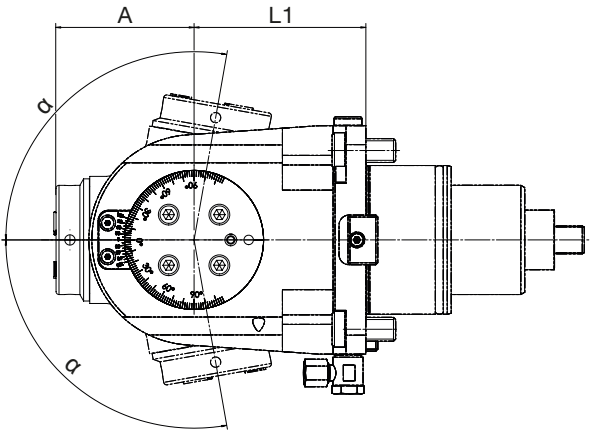
OUTPUT SPINDLE



Collet Chuck
System ER
DIN 6499

- Other output spindles available upon request
- Accessories see online catalog

Collet Chuck



Technical Data

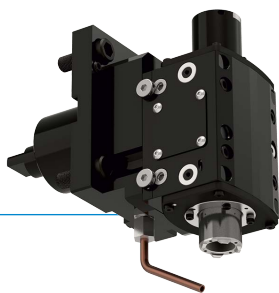
Output Spindle	Size	i	EC	IC*	n_{1max} / n_{2max} [min ⁻¹]	M_{1max} / M_{2max} [Nm]	A_{max} [mm]	L1 [mm]	α [°]	Order No.
Collet Chuck	ER32	1:0,816	✓	-	4.500 / 3.700	57 / 70	70,6	86,5	100	115FDX03359E6A
	ER32	1:0,816	✓	✓	4.500 / 3.700	57 / 70	75,7	86,5	100	115GDX03359E6A

*Internal Cooling $p_{max} = 100$ bar

LIVE TOOL - BMT 75

BROACHING UNIT BENZ LINA 4.0

TECHNICAL DATA



LENGTH (GS)

90

LENGTH (GSL)

90

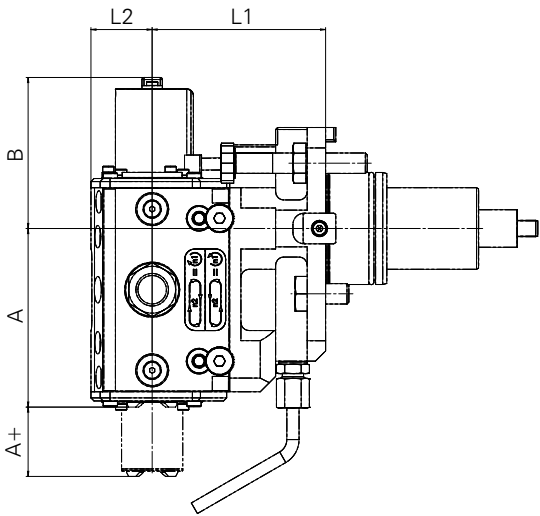
OUTPUT SPINDLE



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

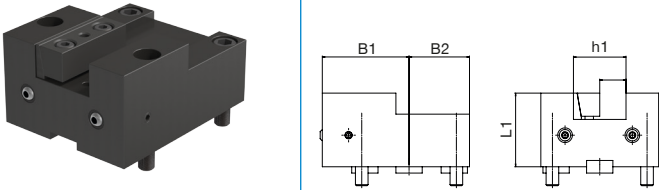
Technical Data

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

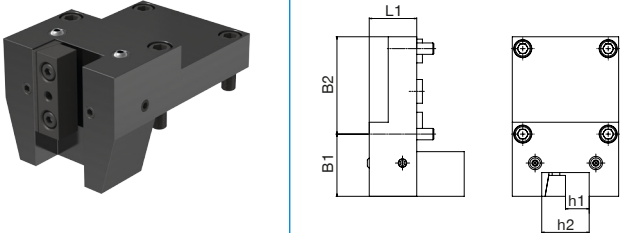
*Usable working stroke

STATIC HOLDERS - BMT 75

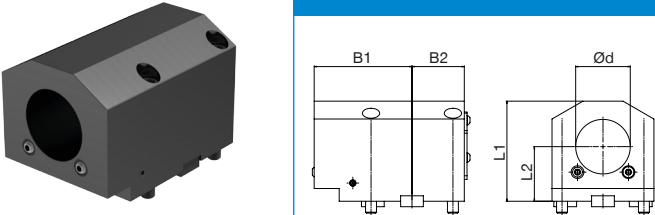
Face and I.D. Turning Tool - single

	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

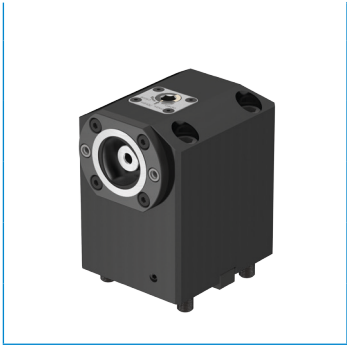
	Technical Data					
	Drawing	Ød [mm]	L1 [mm]	L2 [mm]	B1 [mm]	B2 [mm] Order No.
		60	110	60	107,5	60,5 115A033578001

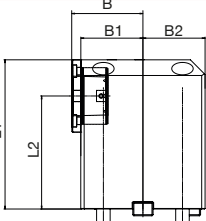
Axial Holder - Single | BENZ CAPTO™



▶ 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

1.5

DN Solutions / Live Tools - BMT 85

LIVE TOOLS



AXIAL

52



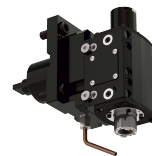
RADIAL

54



ADJUSTABLE

56



BROACHING UNIT

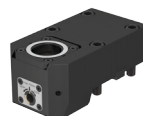
57

STATIC HOLDERS



STANDARD

58



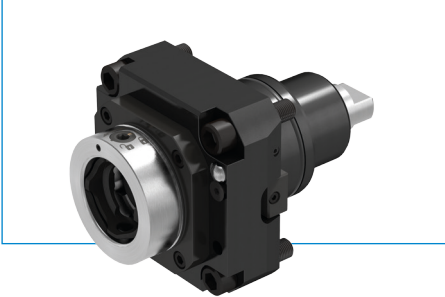
BENZ CAPTO™

59

LIVE TOOL - BMT 85

AXIAL

TECHNICAL DATA



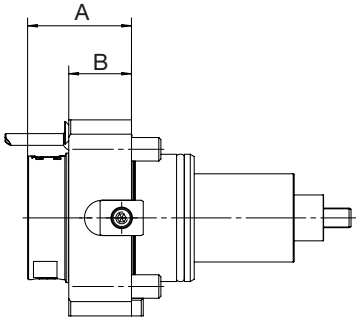
OUTPUT SPINDLES



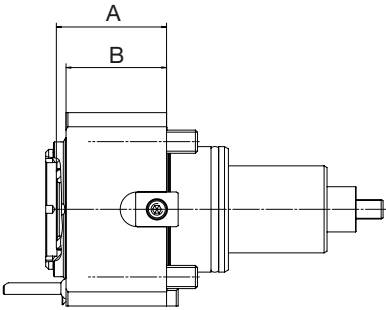
BENZ Solidfix®
Collet Chuck System ER DIN 6499
BENZ CAPTO™

- Other output spindles available upon request
- Accessories see online catalog

BENZ Solidfix®

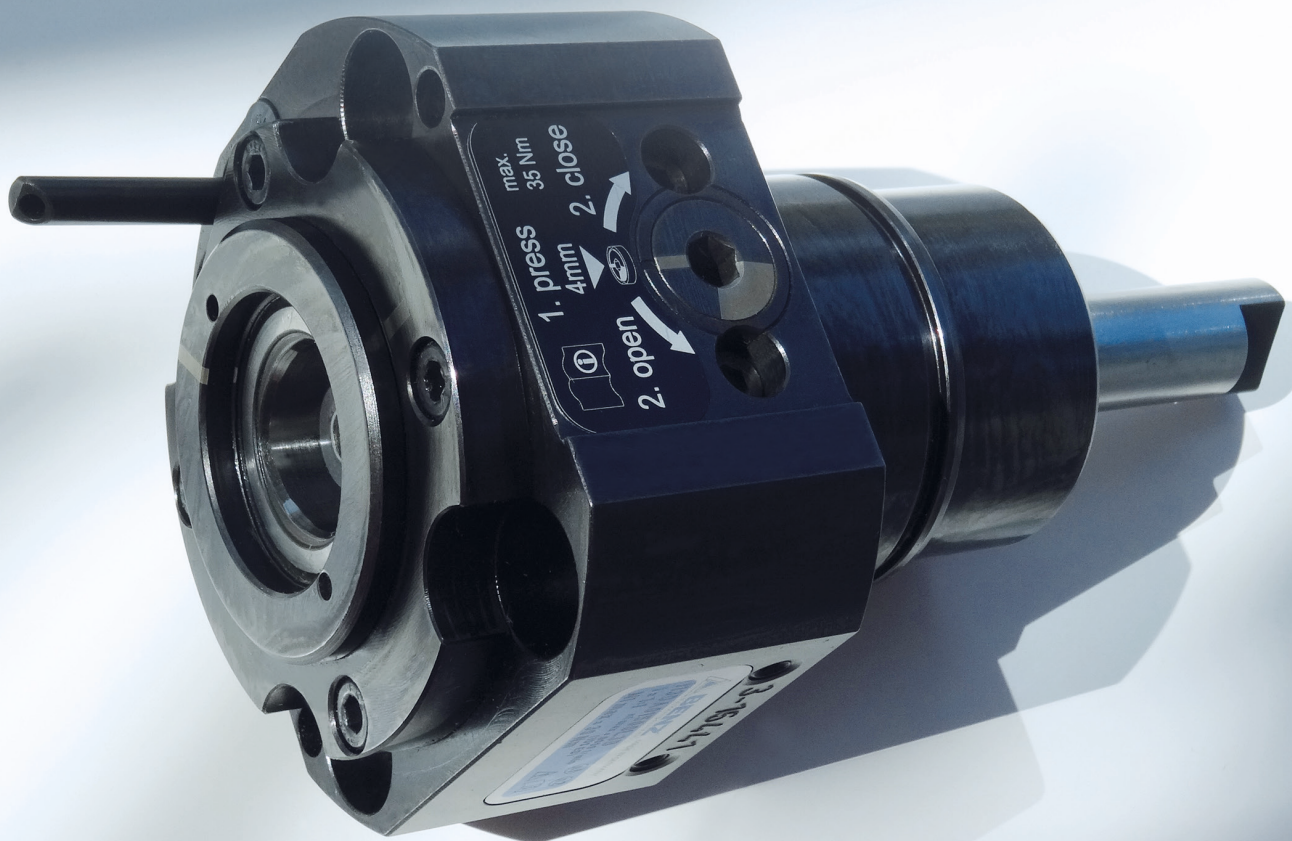


BENZ CAPTO™



Technical Data									
Output Spindle	Size	i	EC	IC*	$n_{1\max} / n_{2\max}$ [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

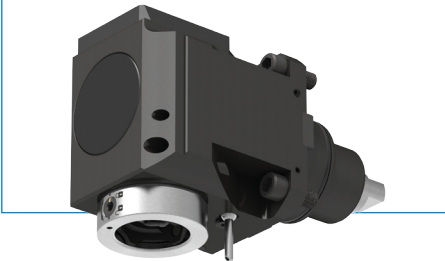
*Internal Cooling $p_{\max} = 50$ bar



LIVE TOOL - BMT 85

RADIAL

TECHNICAL DATA



LENGTH

85

110

OUTPUT SPINDLES



BENZ Solidfix®

Collet Chuck System ER
DIN 6499

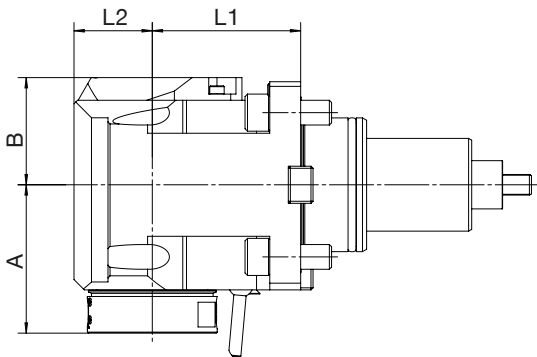
BENZ CAPTO™



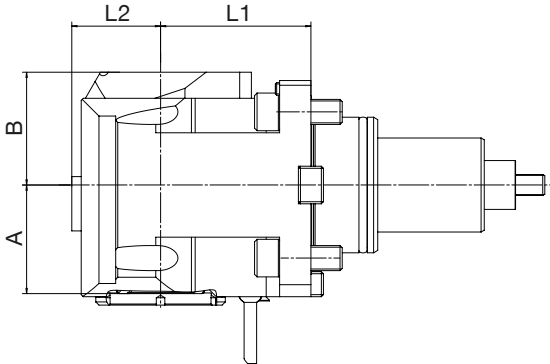
i Other output spindles available upon request

i Accessories see online catalog

BENZ Solidfix®



BENZ CAPTO™



	▶ Technical Data										
Output Spindle	Size	i	EC	IC*	n _{1 max} / 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

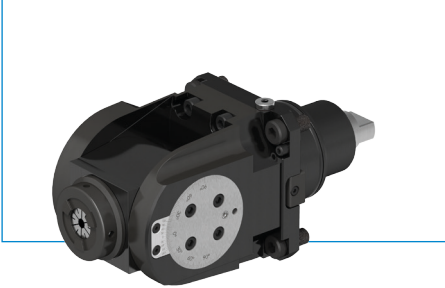
	► Technical Data										
Output Spindle	Size	i	EC	IC*	n _{1 max} / n _{2 max} [min ⁻¹]	M _{1 max} / M _{2 max} [Nm]	A _{max} [mm]	B [mm]	L1 [mm]	L2 [mm]	Order No.
Collet Chuck	ER40	1:1	✓	-	4.500 / 4.500	150 / 150	81,5	62	85	41	116FAX01859E7AD-85
	ER40	1:1	✓	-	4.500 / 4.500	150 / 150	81,5	62	110	41	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

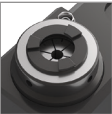
LIVE TOOL - BMT 85

ADJUSTABLE

TECHNICAL DATA



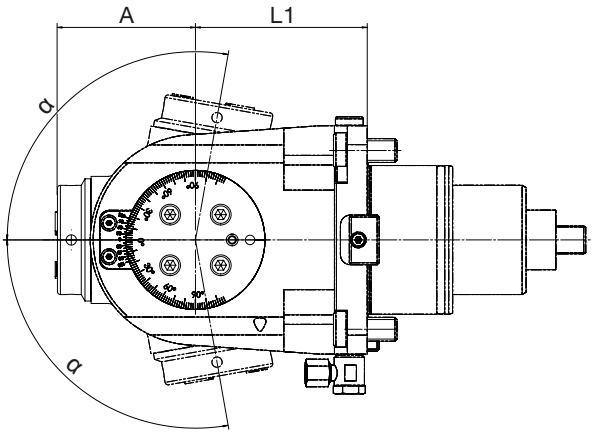
OUTPUT SPINDLES



Collet Chuck
System ER
DIN 6499

- Other output spindles available upon request
- Accessories see online catalog

Collet Chuck



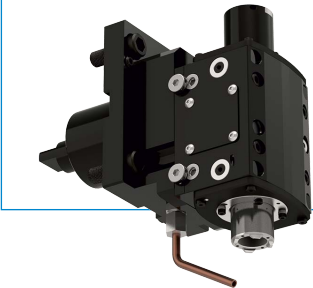
Output Spindle	Size	i	EC	IC*	$n_{1\max} / n_{2\max}$ [min ⁻¹]	$M_{1\max} / M_{2\max}$ [Nm]	$A_{\max}$ [mm]	L1 [mm]	α [°]	Order No.
Collet Chuck	ER32	1: 0,816	✓	-	4.500 / 3.700	57 / 70	70,6	86,5	100	116FDX01859E6A
	ER32	1: 0,816	✓	✓	4.500 / 3.700	57 / 70	75,7	86,5	100	116GDX01859E6A

*Internal Cooling p_{max} = 50 bar

LIVE TOOL - BMT 85

BROACHING UNIT BENZ LINA 4.0

TECHNICAL DATA



LENGTH (GS)

85 110

LENGTH (GSL)

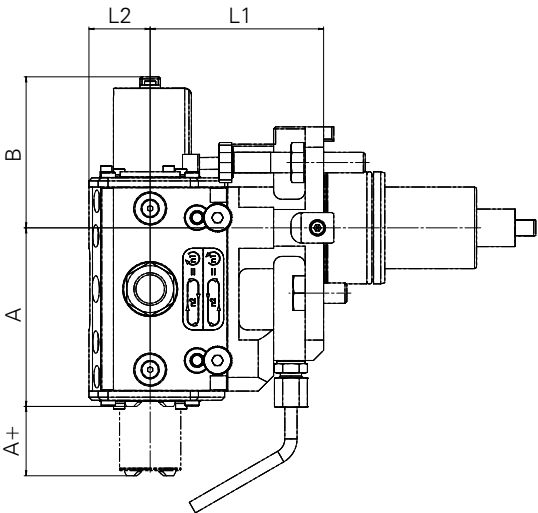
85 110

OUTPUT SPINDLES



similar to prism
Ø 30mm

i Accessories see online catalog



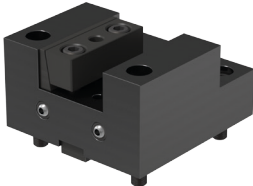
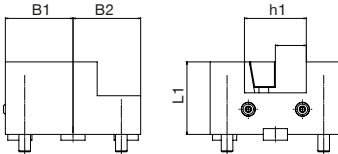
Type	Performance Data			
	n_{max} [min ⁻¹]	$M1_{max}$ [Nm]	f_{max} [mm]	Groove width _{max} [mm]
GS	3.000/1.500	15	0,02-0,10	8-12
GSL	2.000/1.000	23	0,02-0,10	8-12

Type	Technical Data										Order No.
	Size	i	EC	IC	*Stroke	A [mm]	A+ [mm]	B [mm]	L1 [mm]	L2 [mm]	
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

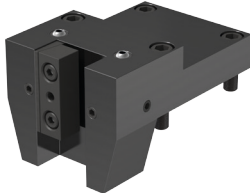
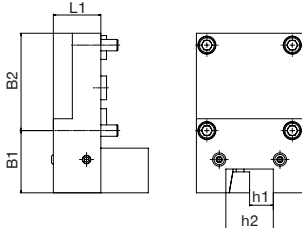
* Usable working stroke

STATIC HOLDER - BMT 85

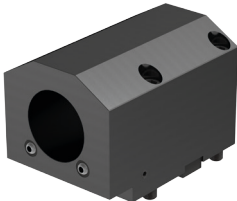
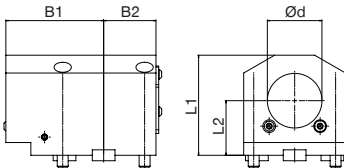
Face and I.D. Turning Tool - Single

	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

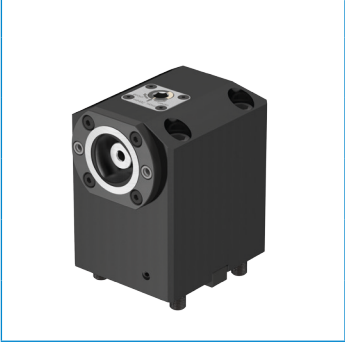
	Technical Data					Order No.	
	Drawing	Ø D [mm]	L1 [mm]	L2 [mm]	B1 [mm]		B2 [mm]
		80	142	85	125	73	116A018578001

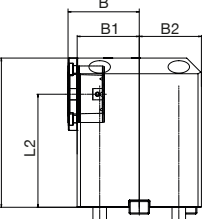
Axial Holder - Single | BENZ CAPTO™



▶ 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

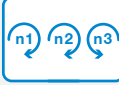
Radial Holder - Single | BENZ CAPTO™



▶ 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

Information

► Other specifications



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

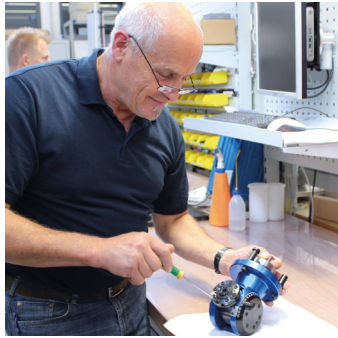
- Not possible

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



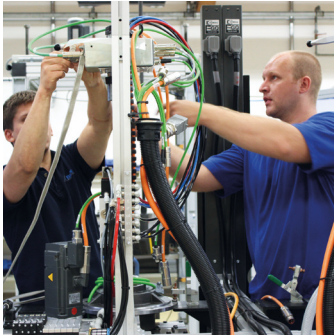
► Express Service

- 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**

- professional 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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- ▶ **INTERNATIONALLY NETWORKED THROUGH WORLD-WIDE LOCATIONS AND PARTNERS**
- ▶ **THE HIGHEST QUALITY FOR ALL PRODUCTS AND SERVICES**
- ▶ **PRECISE, CUSTOMER-SPECIFIC SOLUTIONS**
- ▶ **CONSTANT DEVELOPMENT OF OUR INDUSTRY EXPERTISE**

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CONTACT

BENZ Tooling
Kinzigpark 3
77723 Gengenbach
Germany

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

