

CITIZEN

MAS
TOOLS & ENGINEERING



C I T I Z E N M i y a n o B N E - B N J

PZ[®]turn - Modulares Schnellwechselsystem

PZ[®]turn - Modular Quick Change System

Quadratschaftaufnahme

Square Shank Holder

Hydrodehnaufnahme

Hydraulic Holder

GND-Stechsystem

GND Grooving System



mas-tools.de

LEONBERG

SCAN ME!



Menschen, Anspruch, Synergie

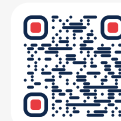
Wir sind MAS

Seit über 40 Jahren stellen wir uns Aufgaben, die weit über den Verkauf hochwertiger Werkzeuge hinausgehen. Gemeinsam mit Ihnen entwickeln wir zukunftsfähige Werkzeuglösungen, Bearbeitungsstrategien und Prozessoptimierungen für die Zerspanungstechnik von morgen.

People, Exigency, Synergy

We are MAS

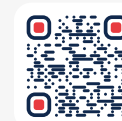
For more than 40 years, we have been tackling challenges that go well beyond selling high-quality tools. Together with you, we develop future-proof tool solutions, machining strategies, and process optimizations for the machining technology of tomorrow.



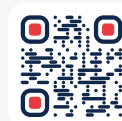
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CITIZEN Miyano BNE-BNJ

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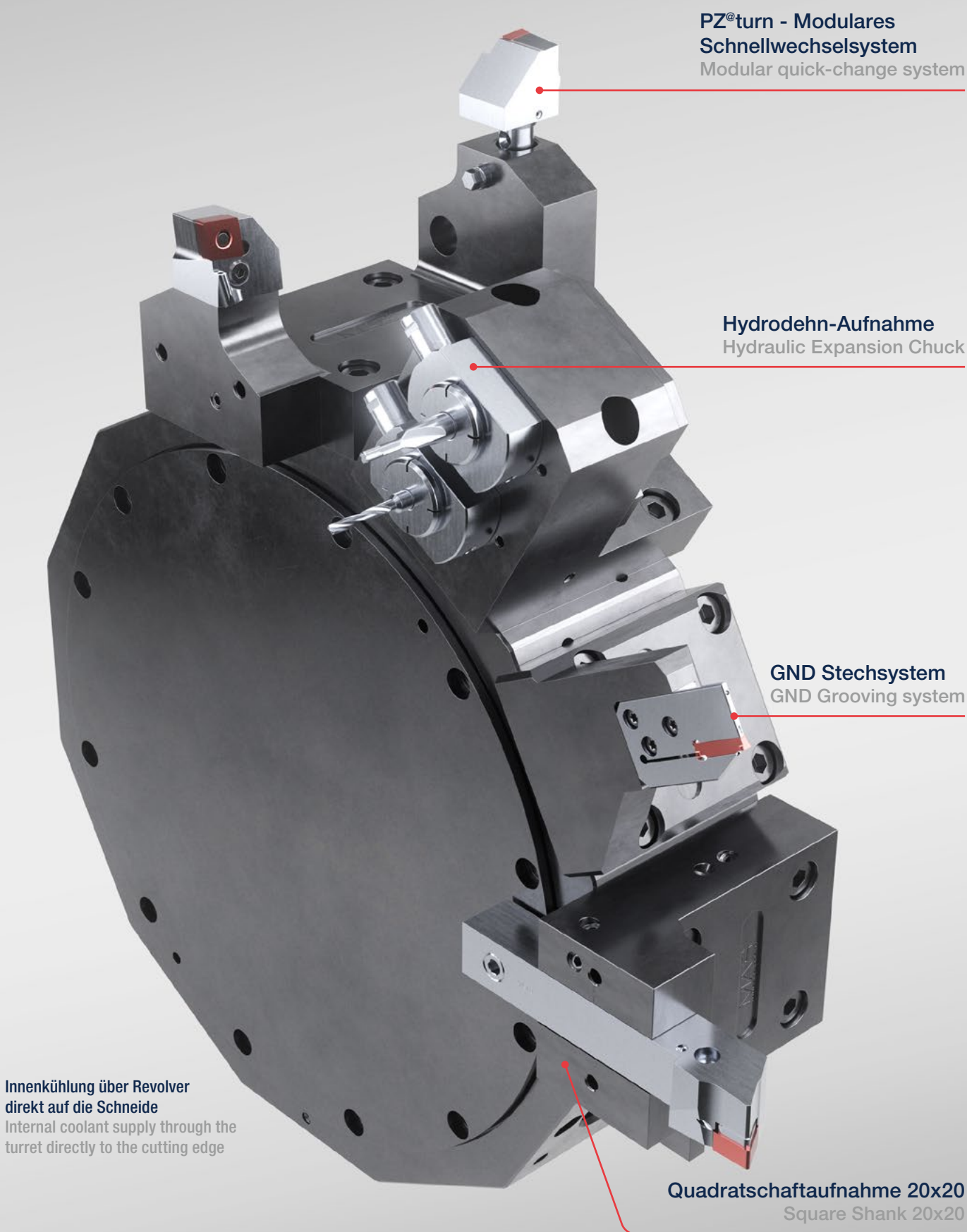
CITIZEN Miyano BNE-BNJ

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Unsere Werkzeuglösungen im Einsatz

Our Tooling Solutions in Action



MAS PZ®turn CITIZEN Aufnahme
MAS PZ®turn CITIZEN Holder

Technical drawing of the MAS PZ®turn CITIZEN Holder (PZ20-CI-BNE-BNJ-1-Z1361) showing front, side, and top views with dimensions.

Dimensions (mm):

- Front view: 120 (width), 93 (width), 118 (width), 95 (height), 70 (height), 51.5 (height), 1 (height), 25 (height).
- Side view: 120 (width), 93 (width), 118 (width), 95 (height), 70 (height), 51.5 (height), 1 (height), 25 (height).
- Top view: 38 (width), 68 (width), 8 (height), 56 (height), 72 (height), 0 (height).
- Bottom view: 38 (width), 68 (width), 8 (height), 56 (height), 72 (height), 0 (height).
- Other dimensions: 120, 93, 118, 95, 70, 51.5, 1, 25, 38, 68, 8, 56, 72, 0.

Legend:

- auf Lager in stock
- auf Anfrage on request

MAS PZ®turn CITIZEN Aufnahme
MAS PZ®turn CITIZEN Holder

Technical drawing of the MAS PZ®turn CITIZEN Holder (PZ20-CI-BNE-BNJ-2-Z1362) showing front, side, and top views with dimensions.

Dimensions (mm):

- Front view: 139 (width), 164 (width), 60 (height), 35 (height), 1 (height), 70 (height), 95 (height).
- Side view: 139 (width), 164 (width), 60 (height), 35 (height), 1 (height), 70 (height), 95 (height).
- Top view: 53 (width), 68 (width), 8 (height), 56 (height), 72 (height), 0 (height).
- Bottom view: 53 (width), 68 (width), 8 (height), 56 (height), 72 (height), 0 (height).
- Other dimensions: 139, 164, 60, 35, 1, 70, 95, 53, 68, 8, 56, 72, 0.

Legend:

- auf Lager in stock
- auf Anfrage on request

MAS PZ[®]turn CITIZEN Aufnahme
MAS PZ[®]turn CITIZEN Holder

nicht im Lieferumfang enthalten
not included in the delivery

Bestellnummer Order Number	MAS ID MAS ID	Lager Stock
PZ20-CI-BNE-BNJ-R-Z1112	Z00001112	●

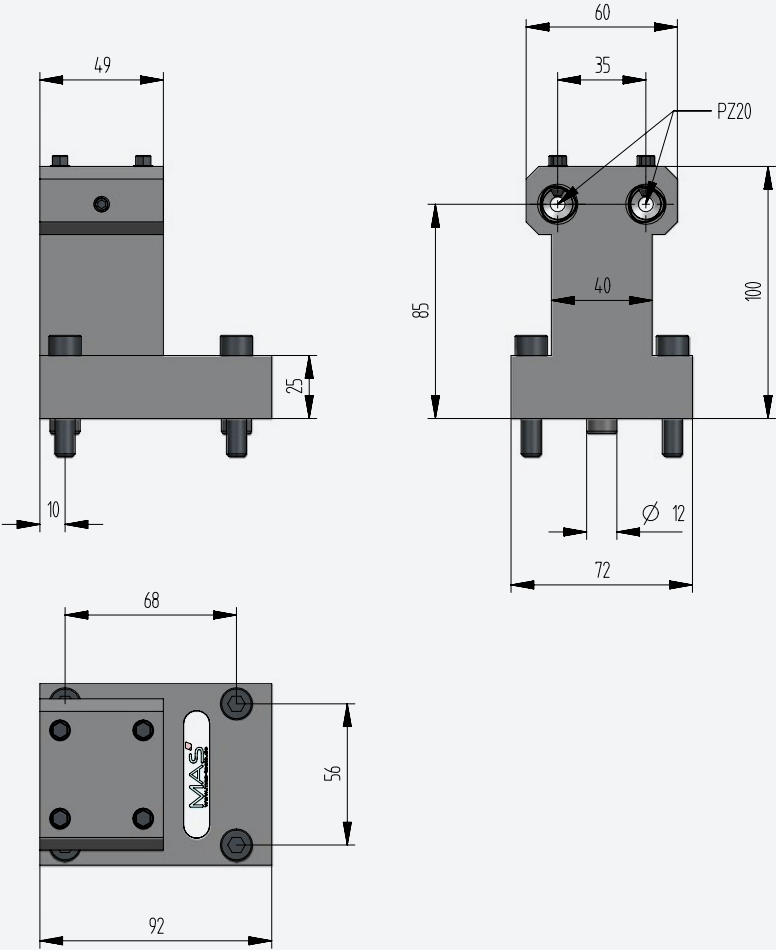
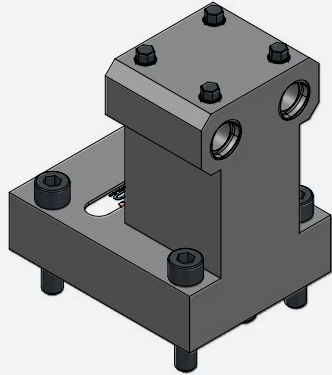
● auf Lager in stock
○ auf Anfrage on request

MAS PZ[®]turn CITIZEN Aufnahme
MAS PZ[®]turn CITIZEN Holder

Bestellnummer Order Number	MAS ID MAS ID	Lager Stock
GRH-PZ20-4-CI-BNE-BNJ-Z1655	Z00001655	●

● auf Lager in stock
○ auf Anfrage on request

MAS PZ®turn CITIZEN Aufnahme
MAS PZ®turn CITIZEN Holder



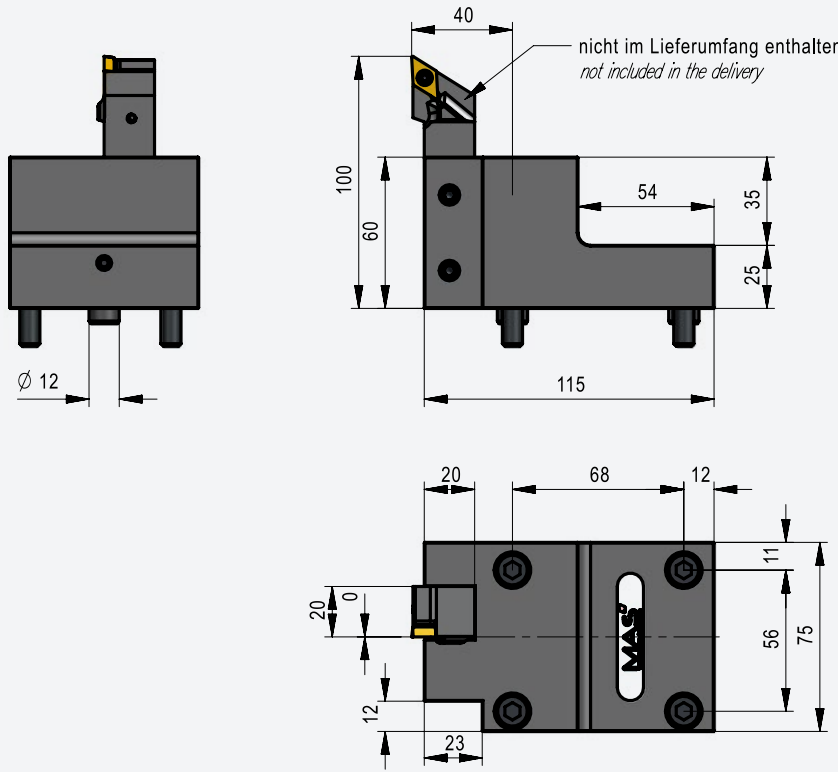
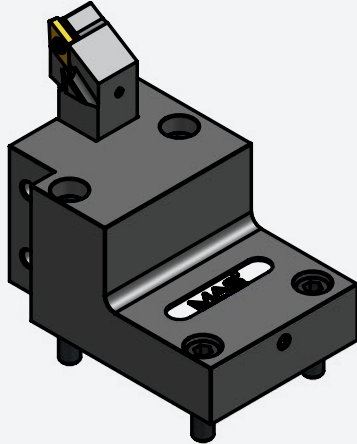
Technical drawing showing three views of the MAS PZ®turn CITIZEN Holder with dimensions in millimeters:

- Front view: 49 (width), 10 (height), 25 (height), 85 (height), 60 (width), 35 (width), 40 (width), 100 (height), 72 (width), $\varnothing 12$ (hole diameter).
- Side view: 49 (width), 10 (height), 25 (height), 85 (height), 60 (width), 35 (width), 40 (width), 100 (height), 72 (width), $\varnothing 12$ (hole diameter).
- Top view: 68 (width), 56 (height), 92 (width), 72 (width), $\varnothing 12$ (hole diameter).

Bestellnummer Order Number	MAS ID MAS ID	Lager Stock
GRH-PZ20-4-CI-BNE-BNJ-Z1670	Z00001670	●

● auf Lager in stock
○ auf Anfrage on request

MAS CITIZEN Quadratschaftaufnahme
MAS CITIZEN Square Shank Holder



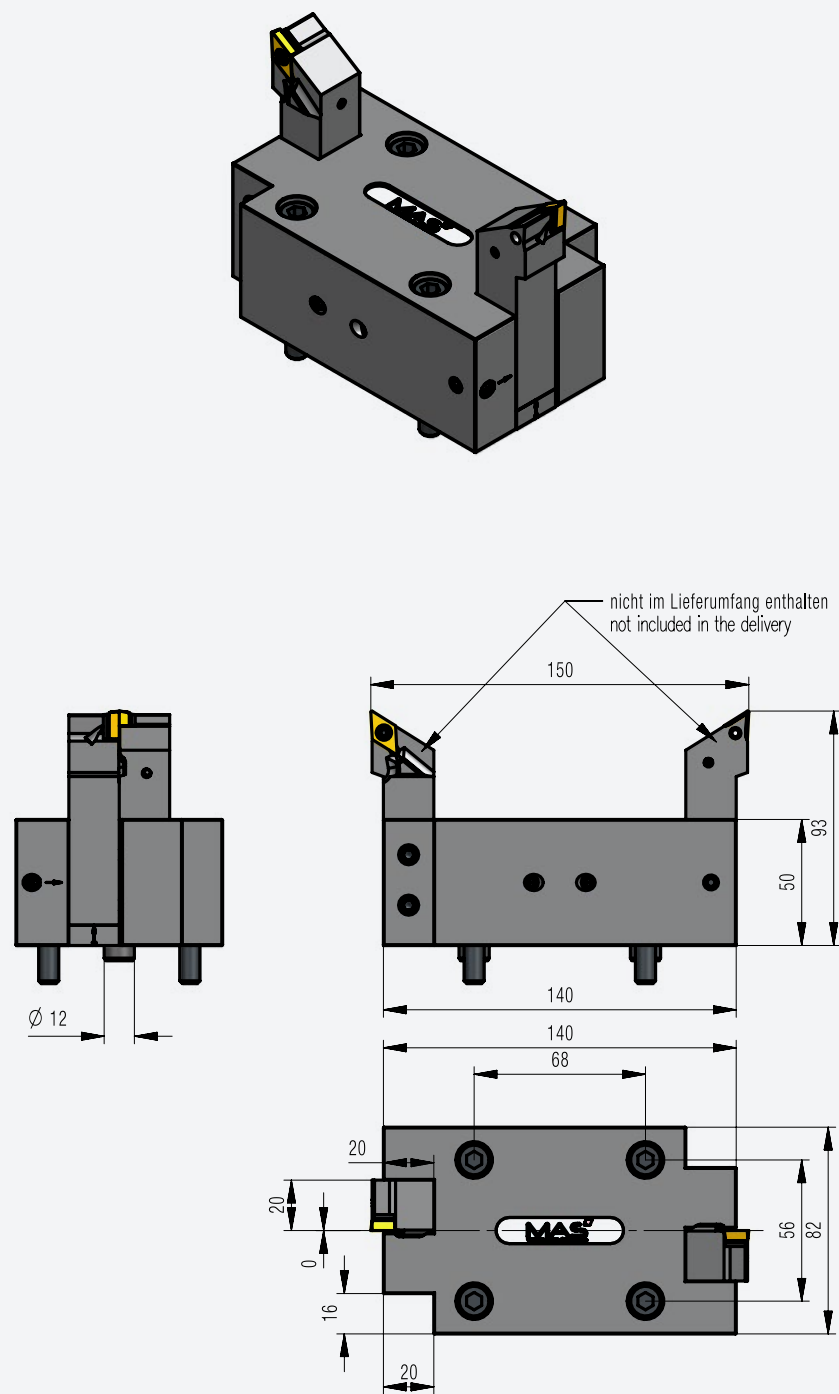
Technical drawing showing three views of the MAS CITIZEN Quadratschaftaufnahme with dimensions in millimeters:

- Front view: 40 (width), 100 (height), 60 (height), 54 (width), 35 (height), 25 (height), 115 (width), $\varnothing 12$ (hole diameter).
- Side view: 40 (width), 100 (height), 60 (height), 54 (width), 35 (height), 25 (height), 115 (width), $\varnothing 12$ (hole diameter).
- Top view: 20 (width), 68 (width), 12 (width), 11 (height), 56 (height), 75 (height), 23 (width), 12 (width), 20 (width).

Bestellnummer Order Number	MAS ID MAS ID	Lager Stock
GRH-2020-1-CI-BNE-BNJ-Z1351	Z00001351	●

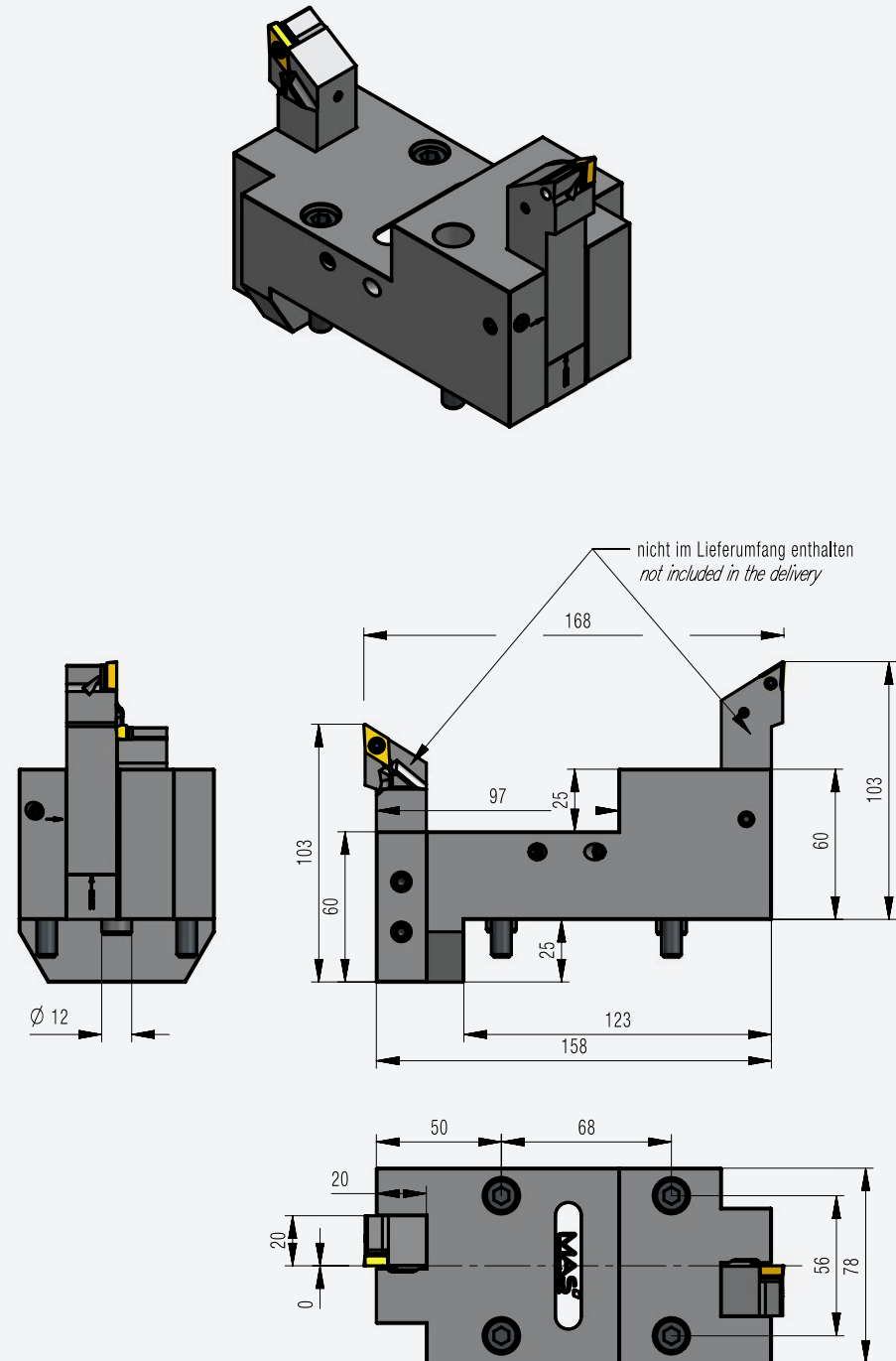
● auf Lager in stock
○ auf Anfrage on request

MAS CITIZEN Quadratschaftaufnahme
MAS CITIZEN Square Shank Holder



Bestellnummer Order Number	MAS ID MAS ID	Lager Stock
GRH-2020-2-CI-BNE-BNJ-Z1333	Z00001333	●
● auf Lager in stock ○ auf Anfrage on request		

MAS CITIZEN Quadratschaftaufnahme
MAS CITIZEN Square Shank Holder



Bestellnummer Order Number	MAS ID MAS ID	Lager Stock
GRH-2020-2-CI-BNE-BNJ-Z1346	Z00001346	●
● auf Lager in stock ○ auf Anfrage on request		

MAS CITIZEN Hydrodehnaufnahme
MAS CITIZEN Hydraulic Holder

Bestellnummer Order Number	MAS ID MAS ID	Lager Stock
GRH-D25-2-CI-BNE-BNJ-Z1442	Z00001442	●

● auf Lager in stock

○ auf Anfrage on request

MAS CITIZEN Hydrodehnaufnahme
MAS CITIZEN Hydraulic Holder

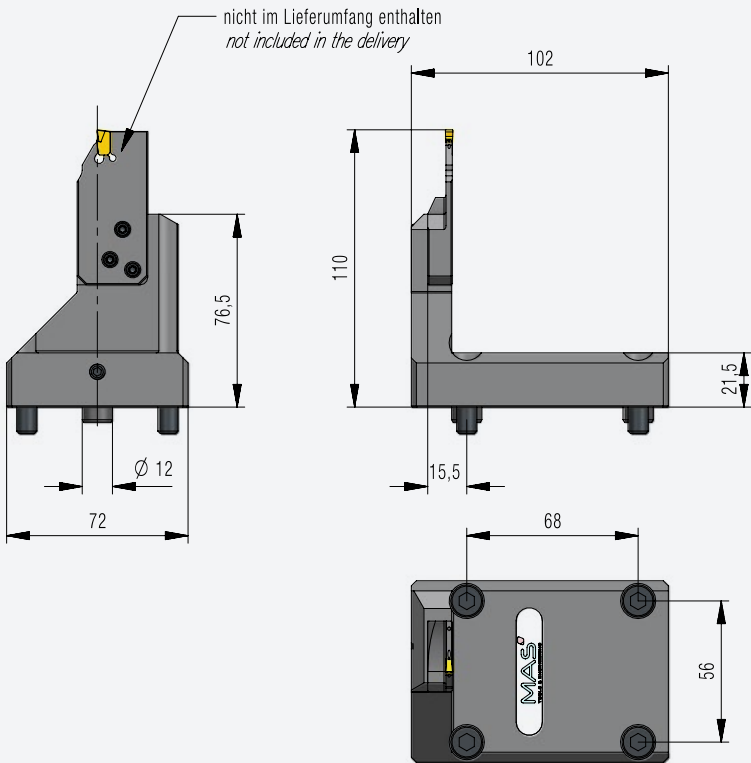
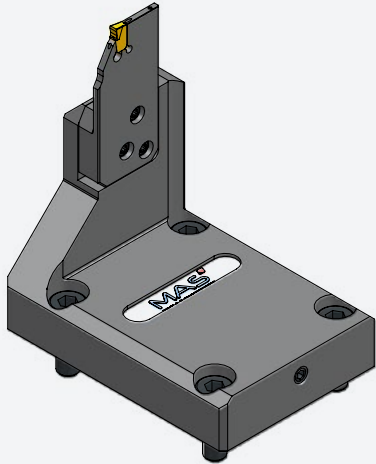
Bestellnummer Order Number	MAS ID MAS ID	Lager Stock
GRH-D25-2-CI-BNE-BNJ-Z1445	Z00001445	●

● auf Lager in stock

○ auf Anfrage on request

MAS GND CITIZEN Kassettenhalter

MAS GND CITIZEN Cartridge Holder



nicht im Lieferumfang enthalten
not included in the delivery

102

110

76,5

21,5

15,5

68

56

72

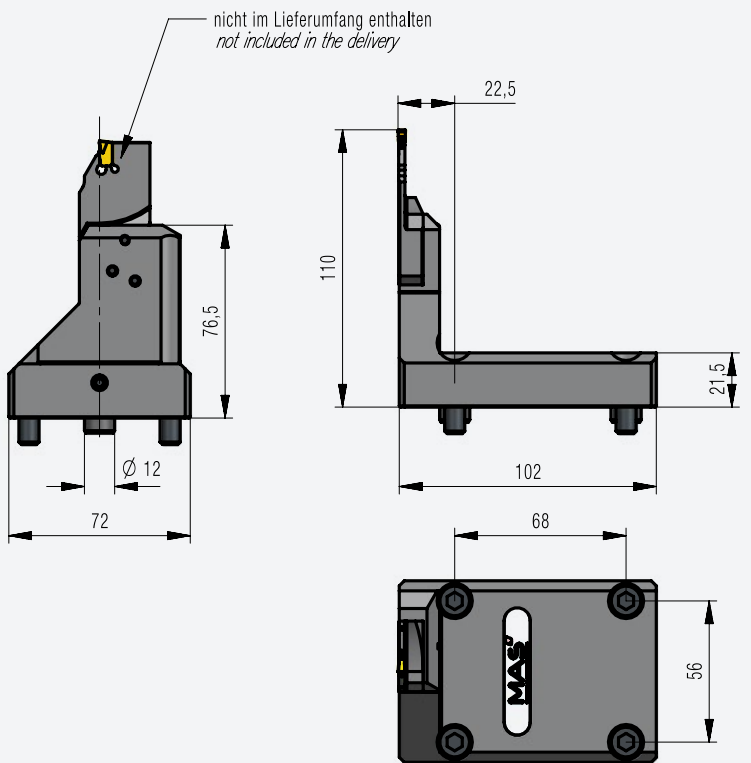
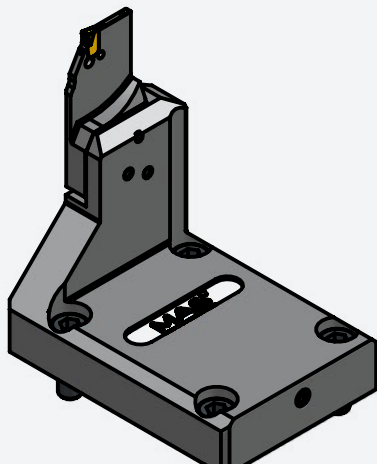
Ø 12

Bestellnummer Order Number	MAS ID MAS ID	Lager Stock
GRH-L -CI-BNE-BNJ-K20-Z1 035	Z00001035	●

● auf Lager in stock
○ auf Anfrage on request

MAS GND CITIZEN Kassettenhalter

MAS GND CITIZEN Cartridge Holder



nicht im Lieferumfang enthalten
not included in the delivery

22,5

110

76,5

21,5

102

68

56

72

Ø 12

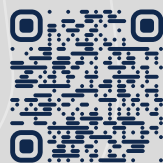
Bestellnummer Order Number	MAS ID MAS ID	Lager Stock
GRH-L -CI-BNE-BNJ-K20-Z1389	Z00001389	●

● auf Lager in stock
○ auf Anfrage on request



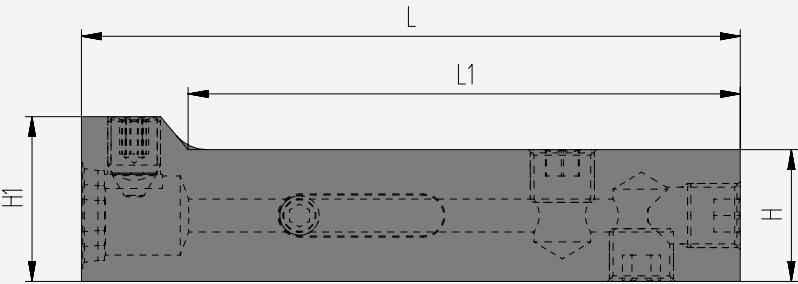
P Z[®] t u r n

Modulares Schnellwechselsystem/
Modular quick-change system



PZ[®]turn
PZ[®]turn

Quadratschaft 20 mm



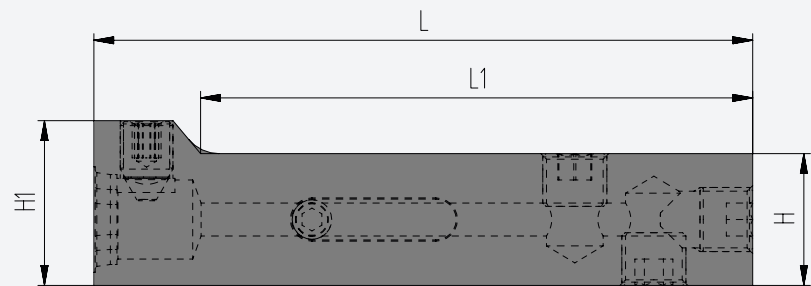
Schaft	Bestellnummer	L	L1	H	H1	IK Anschlußgewinde
20	PZ2020R-100	100	83,8	20	25	G1/8"

- Ausführung in vergütetem Stahl
- Auf Anfrage Sonderabmaße
- Lieferung mit Torx-Schraube
- Als Ersatzteil kann zusätzlich eine Aussensechskant-Schraube geliefert werden
- Übergabe Innenkühlung auch über Langloch Unterseite Schaft

ERSATZTEILE SPANNSCHRAUBEN						
für Schaft	TORX			AUSSENSECHSKANT (alternativ)		
	Bestellnummer	Einsatz	Anzug	Bestellnummer	Schlüsselweite	Anzug
20	M8X1X11.5X60-E3685	TX25	8Nm/71lb-in	M8X1X11.5X60-E23172	SW6,0	8Nm/71lb-in

ERSATZTEILE BLINDSTOPFEN			ERSATZTEILE BLINDSTOPFEN IK ÜBERGABE UNTEN	
für Schaft	Bestellnummer	Schlüsselweite	Bestellnummer	Schlüsselweite
20	HYD-S28	SW5	HYD-S28	SW5

Square shank 20 mm



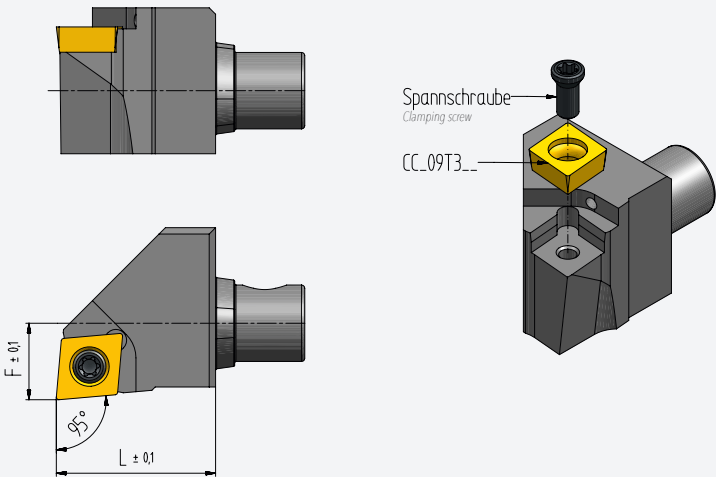
Square shank	Order number	L	L1	H	H1	Internal cooling connection thread
20	PZ2020R-100	100	83,8	20	25	G1/8"

- Special tempered steel
- Special lengths available on request
- Supplied with Torx screw
- A hexagon head screw can also be supplied as a spare part
- Additional inner coolant supply through groove at the shank bottom

SPARE PARTS CLAMPING SCREWS						
for shanks	TORX			HEXAGON HEAD SCREW (alternative)		
	Order number	Insert	Tightening	Order number	AF(mm)	Tightening
20	M8X1X11.5X60-E3685	TX25	8Nm/71lb-in	M8X1X11.5X60-E23172	SW6,0	8Nm/71lb-in

SPARE PARTS BLIND PLUGS FOR COOLANT CONNECTION			SPARE PARTS BLIND PLUGS FOR IC-CONNECTION, TRANSFER BELOW	
for shanks	Order number	AF(mm)	Order number	AF(mm)
20	HYD-S28	SW5	HYD-S28	SW5

MAS Schneidköpfe
MAS Cutting heads

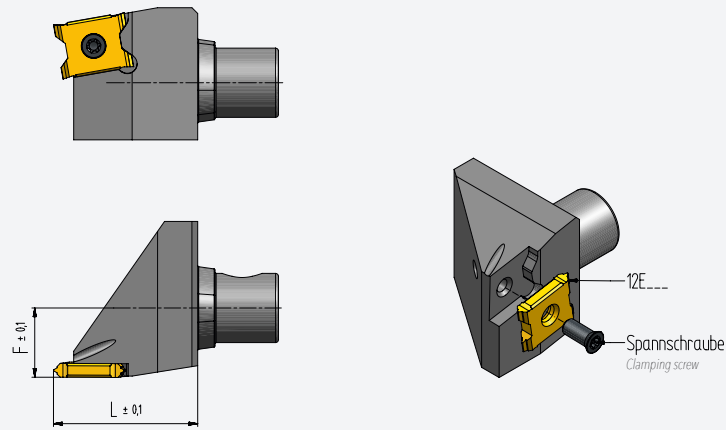


Ausführung Series	Bestellnummer Order Number	F	L	Anstellwinkel Setting Angle	WP Insert	Spannschraube Clamping screw	Zubehör Zwischenlage Accessories Intermediate Layer	Zubehör Kniehebel Accessories Knee Lever	Zubehör Rohrstift Accessories Shim	Info PZ [®] turn Katalog Info PZ [®] turn Catalog	Lager Stock
20	PZ20-K-SCLCR-1225-09	12	25	95°	CC...09T3	BFTX03588	-	-	-	13	●
20	PZ20-K-SCLCL-1725-09	17	25	95°	CC...09T3	BFTX03588	-	-	-	13	○
20	PZ20-K-SDJCR-1225-11	12	25	93°	DC...11T3	BFTX03588N	-	-	-	18	●
20	PZ20-K-SDJCL-1725-11	17	25	93°	DC...11T3	BFTX03588N	-	-	-	18	●
20	PZ20-K-SVJCR-1225-11	12	25	93°	VC...1103	BFTX02508NV	-	-	-	23	●
20	PZ20-K-SVJCL-1725-11	17	25	93°	VC...1103	BFTX02508NV	-	-	-	23	●
20	PZ20-K-SVJCR-1234-16	12	34	93°	VC...1604	BFTX03588	-	-	-	24	●
20	PZ20-K-SVJCL-1734-16	17	34	93°	VC...1604	BFTX03588	-	-	-	24	●
20	PZ20-K-SVJBR-1225-11	12	25	93°	VB...1103	BFTX02508NV	-	-	-	25	●
20	PZ20-K-SVJBL-1725-11	17	25	93°	VB...1103	BFTX02508NV	-	-	-	25	○
20	PZ20-K-SVJBR-1234-16	12	34	93°	VB...1604	BFTX03588	-	-	-	26	●
20	PZ20-K-SVJBL-1734-16	17	34	93°	VB...1604	BFTX03588	-	-	-	26	●
20	PZ20-K-PCLNR-1225-09	12	25	95°	CN...0903	1606 3,5Nm	3608	8009	4109	44	○
20	PZ20-K-PCLNL-1725-09	17	25	95°	CN...0903	1606 3,5Nm	3608	8009	4109	44	○
20	PZ20-K-PCLNR-1228-12	12	28	95°	CN...1204	1608 5,0Nm	3612	8012	4112	45	●
20	PZ20-K-PCLNL-1728-12	17	28	95°	CN...1204	1608 5,0Nm	3612	8012	4112	45	○
20	PZ20-K-PDJNR-1226-11	12	26	93°	DN...1104	1606 3,5Nm	3710	8411	4108	46	●
20	PZ20-K-PDJNL-1725-11	17	25	93°	DN...1104	1606 3,5Nm	3710	8411	4108	46	○
20	PZ20-K-PDJNR-1236-15	12	36	93°	DN...1506	1638 5Nm	3715	1638	4112	47	●
20	PZ20-K-PDJNL-1736-15	17	36	93°	DN...1506	1638 5Nm	3715	1638	4112	47	○
20	PZ20-K-PWLN-1225-08	12	25	95°	WN...0804	1608 5Nm	3308M	8012	4112	48	○
20	PZ20-K-PWLN-1725-08	17	25	95°	WN...0804	1608 5Nm	3308M	8012	4112	48	○
20	PZ20-K-PTJNR-1225-16	12	25	93°	TN...1604	1606	3416	8009	4109	50	○
20	PZ20-K-PTJNL-1725-16	17	25	93°	TN...1604	1606	3416	8009	4109	50	○

● auf Lager in stock
○ auf Anfrage on request

MAS STS... Gewindeschneiden

MAS STS...thread cutting

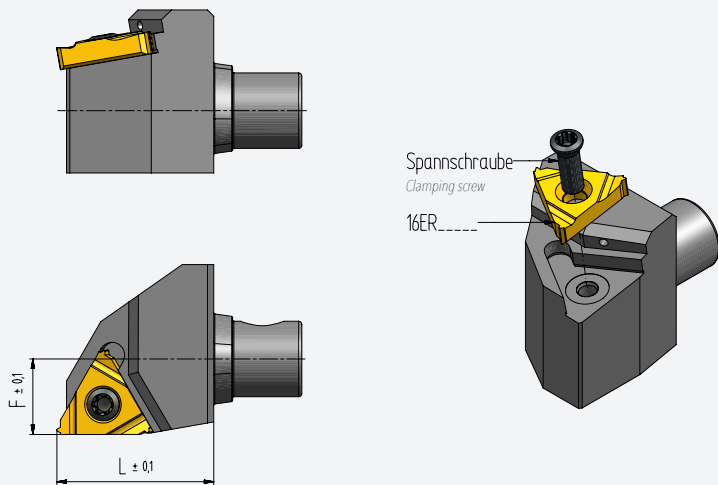


Ausführung Series	F	L	WP Indexable insert	Bestellnummer Order number	Spannschraube Clamping screw	Ausrichtung Mounting position	Steigungswinkel Helix angle	Lager Stock
20 (3/4")	12	25	12E...	PZ20-K-STs-1225-12	STS T9xm3 2,0Nm/18lb-in	rechts right	1,5°	○

● auf Lager in stock
○ auf Anfrage on request

MAS ER...16 Gewindeschneiden

MAS ER...16 thread cutting



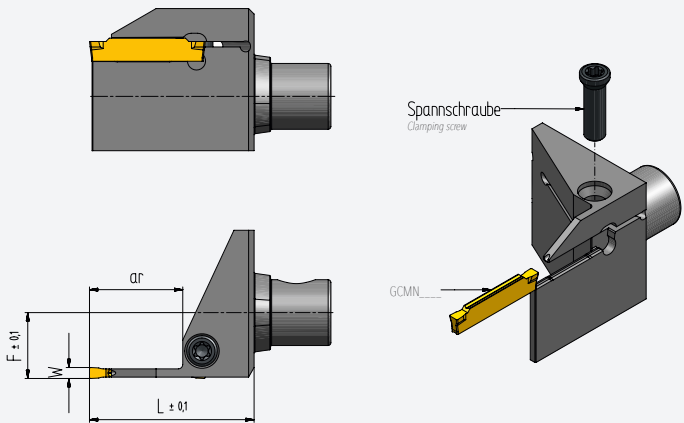
Ausführung Series	F	L	WP Indexable insert	Bestellnummer Order number	Spannschraube Clamping screw	Lager Stock
20 (3/4")	12	25	3ER...ISO (16)	PZ20-K-ER-1225-16-1.5	123511P 3,5Nm/31lb-in	○

● auf Lager in stock
○ auf Anfrage on request

CITIZEN Miyano BNE-BNJ

MAS GND System - GNDR

MAS GND System - GNDR



Ausführung Series	F	L	WP Indexable insert	Bestellnummer Order number	Spannschraube Clamping screw	Stechbreite W Grooving width W	Stechtiefe ar Grooving depth ar	Lager Stock
20 (3/4")	12	25	GCMN2002	PZ20-K-GNDR-1225-H212	BFTX0414 4Nm/35lb-in	2	12	●
20 (3/4")	12	30	GCMN2002	PZ20-K-GNDR-1230-H217	BFTX0414 4Nm/35lb-in	2	17	●
20 (3/4")	12	25	GCMN3002	PZ20-K-GNDR-1225-H312	BFTX0414 4Nm/35lb-in	3	12	●
20 (3/4")	12	30	GCMN3002	PZ20-K-GNDR-1230-H317	BFTX0414 4Nm/35lb-in	3	17	●
20 (3/4")	12	30	GCMN4002	PZ20-K-GNDR-1230-H412	BFTX0414 4Nm/35lb-in	4	12	●
20 (3/4")	12	30	GCMN4002	PZ20-K-GNDR-1230-H417	BFTX0414 4Nm/35lb-in	4	17	○

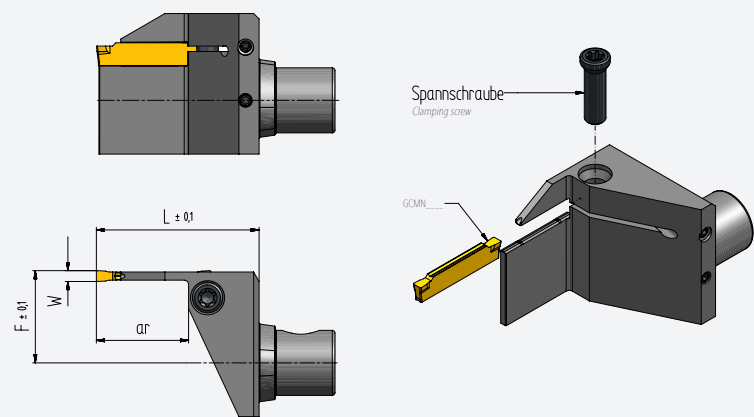
weitere Abmessungen auf Anfrage other dimensions on request

● auf Lager in stock
○ auf Anfrage on request

CITIZEN Miyano BNE-BNJ

MAS GND System - GNDL

MAS GND System - GNDL



Ausführung Series	F	L	WP Indexable insert	Bestellnummer Order number	Spannschraube Clamping screw	Stechbreite W Grooving width W	Stechtiefe ar Grooving depth ar	Lager Stock
20 (3/4")	17	25	GCMN2002	PZ20-K-GNDL-1725-H212	BFTX0414 4Nm/35lb-in	2	12	○
20 (3/4")	17	30	GCMN2002	PZ20-K-GNDL-1730-H217	BFTX0414 4Nm/35lb-in	2	17	○
20 (3/4")	17	25	GCMN3002	PZ20-K-GNDL-1725-H312	BFTX0414 4Nm/35lb-in	3	12	○
20 (3/4")	17	30	GCMN3002	PZ20-K-GNDL-1730-H317	BFTX0414 4Nm/35lb-in	3	17	○
20 (3/4")	17	30	GCMN4002	PZ20-K-GNDL-1730-H412	BFTX0414 4Nm/35lb-in	4	12	○
20 (3/4")	17	30	GCMN4002	PZ20-K-GNDL-1730-H417	BFTX0414 4Nm/35lb-in	4	17	○

weitere Abmessungen auf Anfrage other dimensions on request

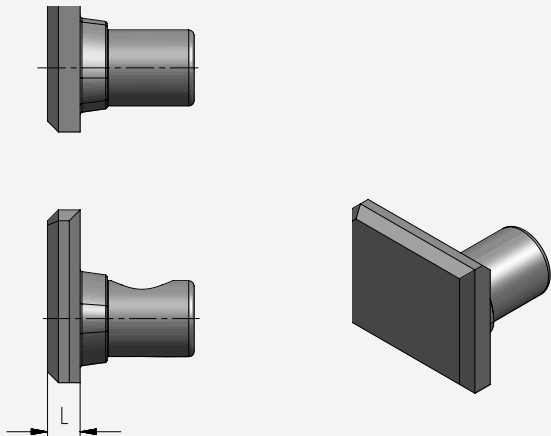
● auf Lager in stock
○ auf Anfrage on request

Zubehör für PZ[®]turn

Accessories for PZ[®]turn

Blindstopfen für Schäfte

Blind plugs for shanks



Ausführung Series	L	Bestellnummer Order Number	Lager Stock
20 (3/4")	5	PZ20-BS-5-E25238	●

● auf Lager in stock
○ auf Anfrage on request

Zubehör für PZ®turn
Accessories for PZ®turn

T-Griff für PZ20
T-Wrench for PZ20



Ausführung Series	Bestellnummer Order Number	für Spannschraube for clamping screw	Lager Stock
TX25	PZ20-DREHMOMENT-SET-T	Torx	●

● auf Lager in stock
○ auf Anfrage on request

Ratsche für PZ20
Wrench for PZ20



Ausführung Series	Bestellnummer Order Number	für Spannschraube for clamping screw	Lager Stock
TX25	PZ20-DREHMOMENT-SET-R	Torx	●

● auf Lager in stock
○ auf Anfrage on request

Zubehör für PZ®turn
Accessories for PZ®turn

Schmierstoff
Lubricant



Bestellnummer Order Number	Lager Stock
PZ-SCHMIERSTOFF-E22335	●

● auf Lager in stock
○ auf Anfrage on request

Kassetten
Cartridges

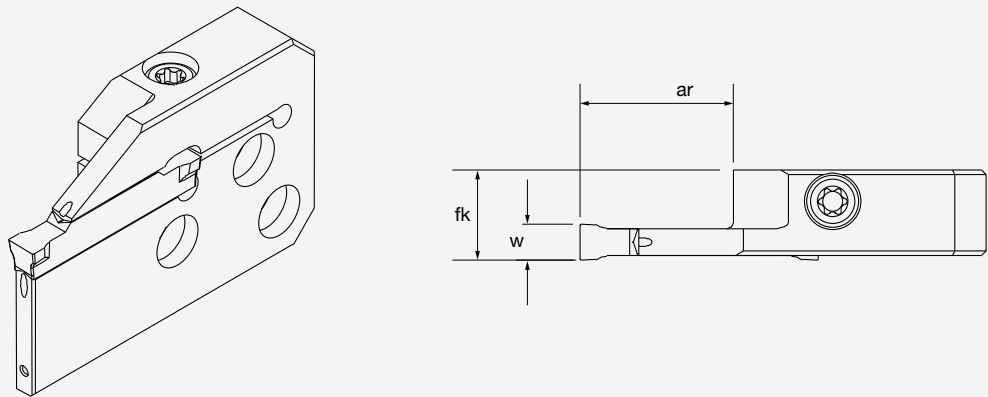
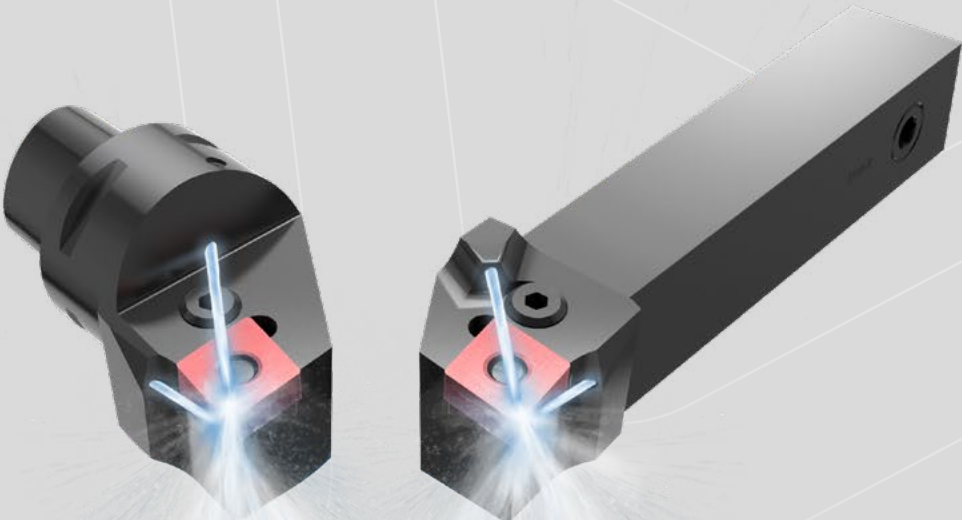


Abbildung zeigt rechte Ausführung
Illustration shows right version

Bestellnummer Order Number	fk	w	ar	Schneidplatte Cutting insert	Lager Stock	
					R	L
GND R/L K20-H12507	10	1,25	7	GCM □1250□□	●	●
GND R/L K20-H12512	10	1,25	12	GCM □1250□□	●	●
GND R/L K20-H1507	10	1,5	7	GCM □1500□□	●	●
GND R/L K20-H1512	10	1,5	12	GCM □1500□□	●	●
GND R/L K20-H212	10	2	12	GCM □2000□□	●	●
GND R/L K20-H217	10	2	17	GCM □2000□□	●	●
GND R/L K20-H222	10	2	22	GCM □2000□□	●	●
GND R/L K20-H312	10	3	12	GCM □3000□□	●	●
GND R/L K20-H317	10	3	17	GCM □3000□□	●	●
GND R/L K20-H322	10	3	22	GCM □3000□□	●	●
GND R/L K20-H412	10	4	12	GCM □4000□□	●	●
GND R/L K20-H417	10	4	17	GCM □4000□□	●	●
GND R/L K20-H422	10	4	22	GCM □4000□□	●	●
GND R/L K20-H512	11	5	12	GCM □5000□□	●	●
GND R/L K20-H517	11	5	17	GCM □5000□□	●	●
GND R/L K20-H522	11	5	22	GCM □5000□□	●	●
GND R/L K20-H612	12	6	12	GCM □6000□□	●	●
GND R/L K20-H617	12	6	17	GCM □6000□□	●	●
GND R/L K20-H622	12	6	22	GCM □6000□□	●	●
GND R/L K20-H717	13	7	17	GCM □7000□□	●	●
GND R/L K20-H722	13	7	22	GCM □7000□□	●	●
GND R/L K20-H817	14	8	17	GCM □8000□□	●	●
GND R/L K20-H822	14	8	22	GCM □8000□□	●	●

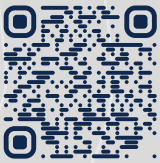
- IK von oben und unten ab w=2
- Klemmschraube BFTX0414
- Anzugsmoment (Nm) 3,4
- Schlüssel Tx15
- Internal cooling from top and bottom w=2
- Clamping screw BFTX0414
- Tightening torque (Nm) 3,4
- Wrench Tx15

● auf Lager in stock
○ auf Anfrage on request

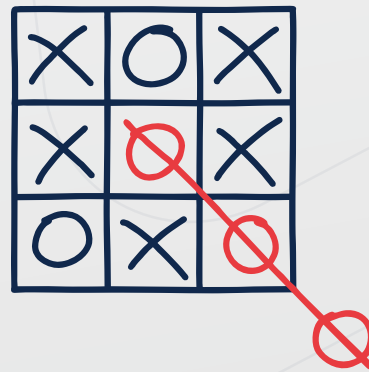


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Reliable internal Cooling



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