BIG DAISHOWA



The Commitment to Europe

With the opening of its new European Headquarters in Sulz am Neckar, Germany, BIG DAISHOWA has reached an important milestone in the development of its European presence and created a central platform for its future activities in the region.



The new facility is more than a change of location. It is a long-term investment that combines representation, operations, logistics and a dedicated showroom in one strategic hub. Planned to improve logistics and expand capacity, it strengthens product availability and enables reliable, responsive support for customers and partners across Europe.

In the showroom, visitors can experience BIG DAISHOWA precision tooling solutions first-hand. Together with the site's operational capabilities, it brings the company closer to the European market and supports day-to-day cooperation with customers, dealers and partners.

Partners, dealers and guests attended the official opening on 1,2 and3 July 2026.
An opening ceremony, a tour of the facility and the showroom premiere gave them a first look at the new home of BIG DAISHOWA Europe.

Now fully operational, the headquarters underlines BIG DAISHOWA's long-term commitment to Europe: proximity, availability and precision tooling support. It provides a strong foundation for the continued development of BIG DAISHOWA Europe and its service capabilities.



Fast Delivery

From Sulz am Neckar, we supply customers across the EU from Germany – enabling faster shipping, streamlined deliveries, greater availability and no intra-EU customs duties or customs checks.

Facts

Site Area:	6,000 m²
Offices:	3,300 m²
Logistics:	2,100 m²

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NEW



Building



Reception









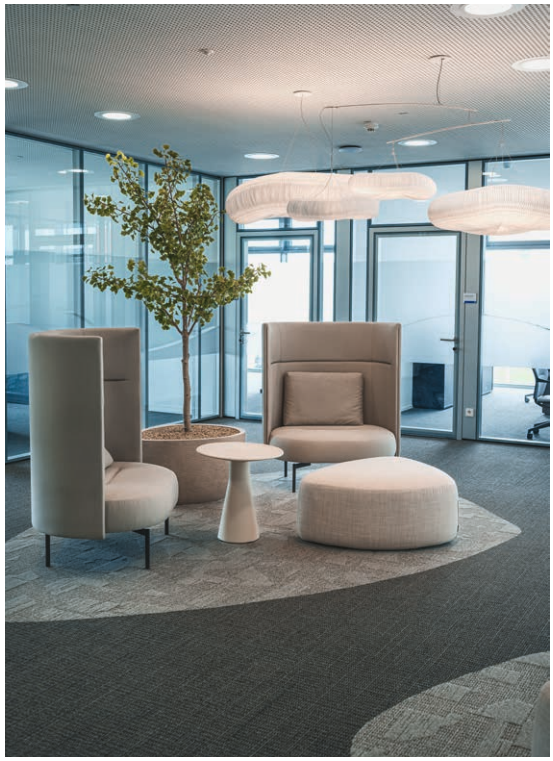
Showroom



Logistic Center



Office



Content

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NEW

EWR

Digital Fine Boring Head



The perfect combination

The EWR series combines fine boring heads with an external digital reader.

The electronics sit in the reader, not in the tool, and display the adjustment value referenced to the diameter.



EWR Display

The EWR Display attaches magnetically to the fine boring head. It displays the adjustment digitally with a resolution of 1 µm as a diametral value, making even small corrections clearly visible. Communication with the head is contactless via NFC. A single EWR Display can be used with multiple EWR digital fine boring heads in different sizes and must be removed before machining.



How to use

Connect and adjust
Attach the EWR Display magnetically to the fine boring head and set the zero reference. Release the clamping, adjust the head until the required value is shown, then re-clamp.

Remove before machining
Remove the EWR Display before machining. The fine boring head operates without it, keeping the display and battery protected and the tool mechanically robust.

Benefits
One display serves multiple EWR digital fine boring heads, and existing EWN and EWE insert holders and boring bars can be reused. Each adjustment is clearly shown as a diametral value.



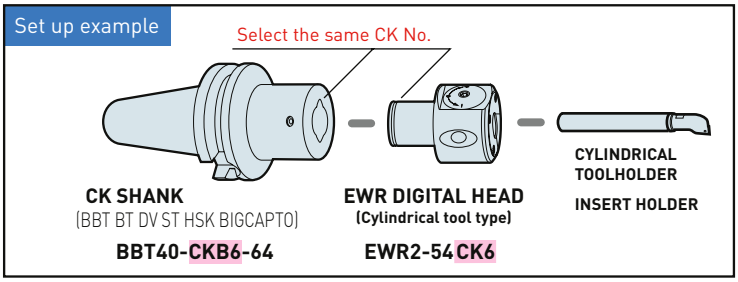
EWR Display Charging Station

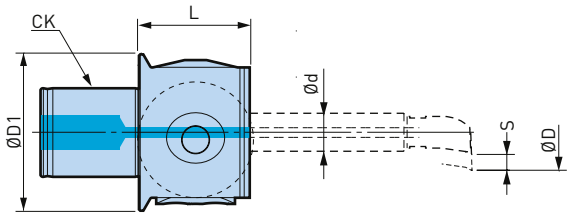
EWR Display Charging Station is an optional charging station for the EWR Display. The display normally charges with the supplied pogo-pin cable; EWR Display Charging Station adds a convenient station powered via USB-C, so only a standard USB-C cable is required. Place the display on the station between jobs. A full charge takes about 90 minutes and provides up to 250 adjustments or two months of standby time. The charge level is shown on the display.

EWR Digital Fine Boring Head, Ø 1 - 54

The EWR series combines fine boring heads with an external digital reader. The electronics sit in the reader, not in the tool, and display the adjustment value referenced to the diameter.







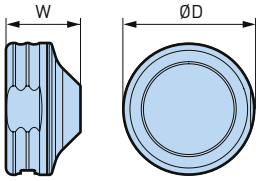
	ØD	Model	CK	Ød	ØD1	L	S	Weight (kg)
NEW	1 - 54	EWR2-54CK6	CK6	16	63.5	45	0 - 4.5	1.35

1. EWR Display and Boring Bar to be ordered separately.
2. Must be used with the EWR Display.

EWR Display

Exclusive display for EWR Digital Fine Boring Head



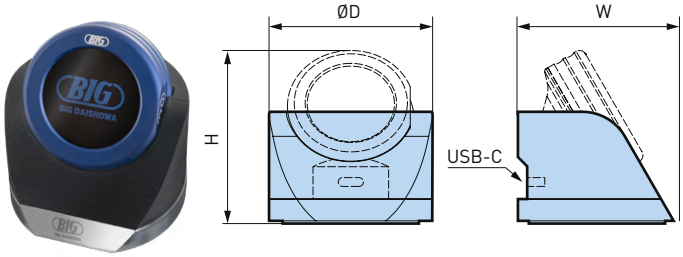


	Model	ØD	W	Weight (kg)
NEW	EWR-DSP	46.5	26.3	0.066

1. Can only be used with EWR Boring Heads.
2. Works with multiple EWR Boring Heads.
3. Exclusive charging cable is included. (to USB-A)
4. Charging cable is available as single component. (EWR-DPL-CB)

EWR Display Charging Station

Optional charging station for the EWR Display.

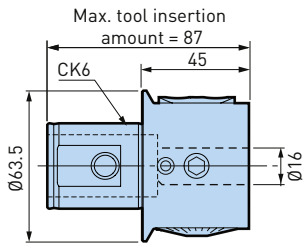


	Model	ØD	W	H	Weight (kg)
NEW	EWR-DSP-STN	60	51.7	63	0.086

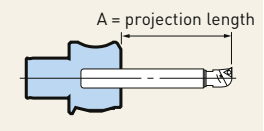
1. A USB-C cable is required for charging

EWR Tool Combination

Features abundant range of tools capable of small-diameter deep boring.



Head **EWR2-54CK6**
Stroke 0 - 4.5mm



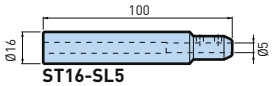
Always observe the projection length range and tool insertion limit. Use out of these ranges may result in damage to the boring head or slip of the bar shank.

STRAIGHT COLLET

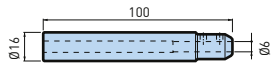


EC1605

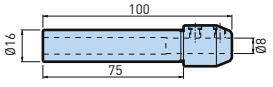
SIDE LOCK CYLINDRICAL TOOLHOLDER



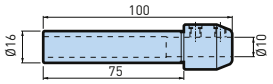
ST16-SL5



ST16-SL6

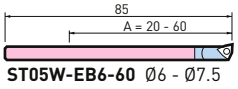


ST16-SL8

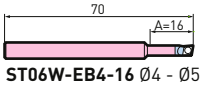


ST16-SL10

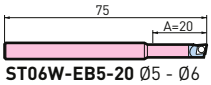
CARBIDE CYLINDRICAL INSERT HOLDER



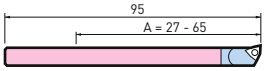
ST05W-EB6-60 Ø6 - Ø7.5 **WC02**



ST06W-EB4-16 Ø4 - Ø5 **EC03**



ST06W-EB5-20 Ø5 - Ø6



ST06W-EB7.5-65 Ø7.5 - Ø9 **WC02**

With a Side Lock Cylindrical Toolholder
With a Straight Collet

JIG BORING BIT, 8 models

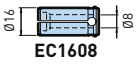


Ø1 - Ø9

STRAIGHT COLLET



EC1606

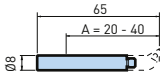


EC1608

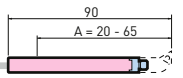


EC1610

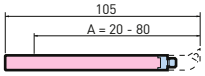
CYLINDRICAL TOOLHOLDER



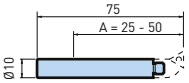
ST08-M5-40



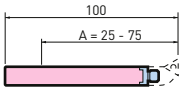
ST08W-M5-65



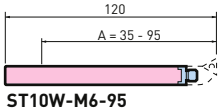
ST08W-M5-80



ST10-M6-50



ST10W-M6-75



ST10W-M6-95

INSERT HOLDER **TP08**



EB09N Ø9 - Ø10.5

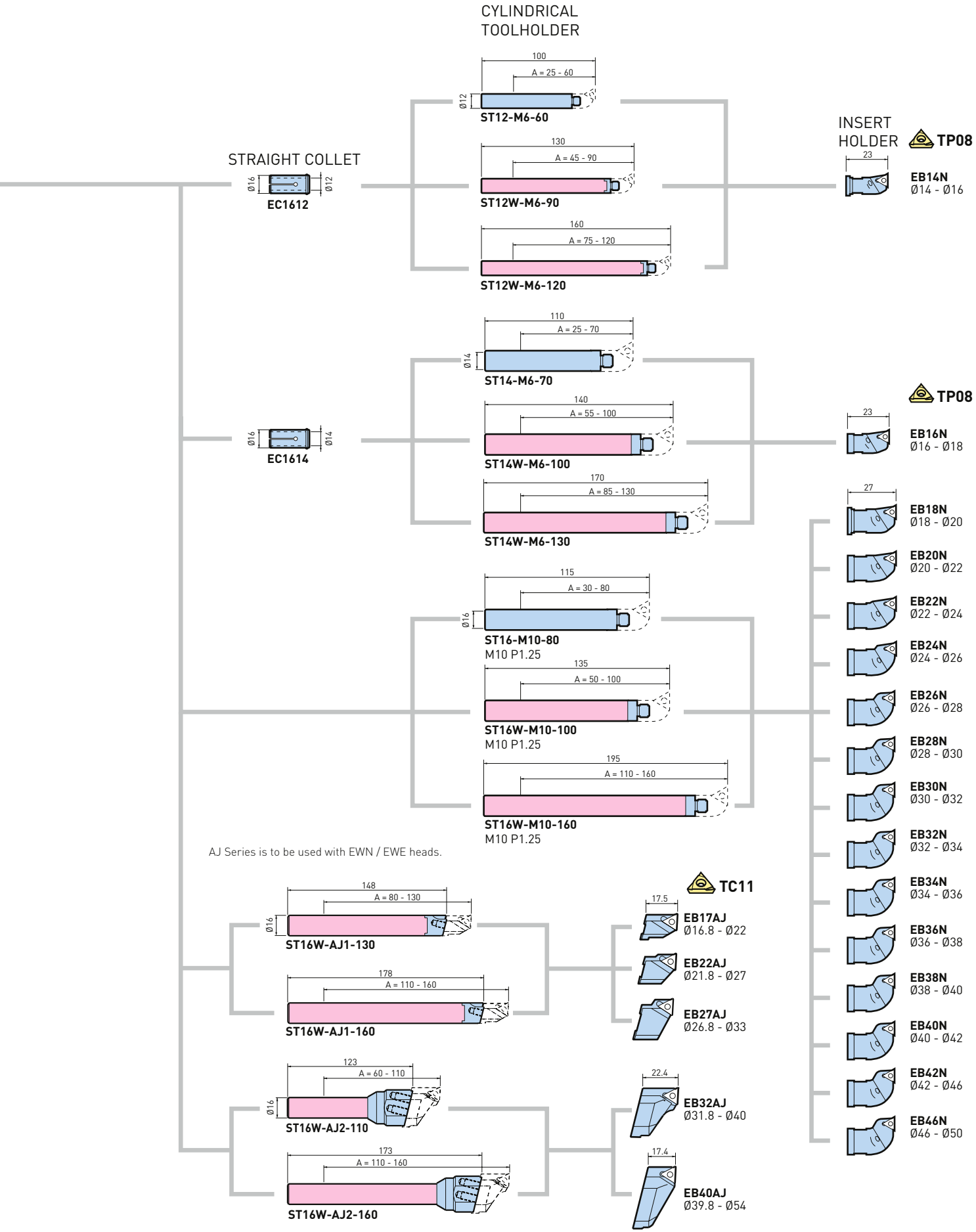


EB10.5N Ø10.5 - Ø12



EB12N Ø12 - Ø14

Carbide Cylindrical Insert Holders and Cylindrical Toolholders with "W" in the model numbers are made of carbide.
A is the projection length.



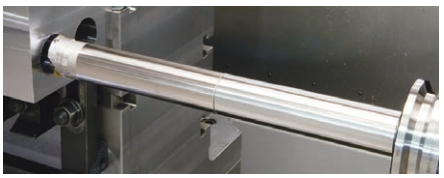
* Carbide Cylindrical Insert Holders and Cylindrical Toolholders with "W" in the model numbers are made of carbide.

Smart Damper Series

Unique dynamic damping system eliminates vibration for higher productivity.

Anti-Vibration

- Unique damping system for milling and boring
- Center through coolant supply





EWN Fine Boring Type & CKN-R Type
Boring head with a built-in damper. The EWN Boring Head functions are maintained, featuring integrated damper. Our latest product features a CKN-R type.

SW Rough Boring Type
Boring head with a built-in damper. Damper located closer to the cutting edge provides greater damping effect.

CK Shank Integral Type
A damper is built into the CK Shank. L/D = 6x

BIG-PLUS SPINDLE SYSTEM DUAL CONTACT

CK Extension Type
Just combine it with your standard KAISER Boring Head/ CK Shank to achieve damping countermeasures.

Large Diameter Type
Combining a lightweight aluminum intermediate soleplate with an integrated Smart-Damper for fine and rough boring from 200 to 340mm.



Smart Damper Turning type & Boring Bar
Several indexable insert holders are available for ISO indexable inserts. Now available in HSK-T63 & 100 and BIG Capto C6 and 8.



Screw On Type
Tapered body design maximizes rigidity while minimizing interference. Screw on cutter with Full Cut Mill is newly available.



Face Mill Type
Modular design allows you to select the optimal size. The BBT40 and HSK-A63 series are newly added to the lineup, enabling coverage of a wider range.

Full Cut Mill for Screw On
Indexable insert end mills combining exceptional sharpness and toughness, delivering performance comparable to solid carbide end mills.



Fullcut Mill FCR



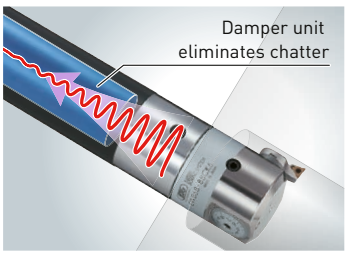
Fullcut Mill FCM

Fullcut Mill FCM - Arbor Type
Corresponding to Form FMH of new standard face milling adapter.



Damping mechanism
Smart Damper incorporates unique damping mechanism functioning both counter and friction dampers. Patent-pending counter weight maximizes effect of the friction damper. Vibration is absorbed effectively and higher machining accuracy is achieved.

Chatter suppressing mechanism



An incorporated unique damper that functions as both a counter damper and friction damper. Patent-pending counter weight maximizes effect of the friction damper. Chatter is absorbed effectively and higher machining accuracy is achieved.

NEW

SMART DAMPER EWN HEAD
CKN6R TYPE



3 CK set screws increase connection rigidity.

CK shank and CKN shank are not compatible. CKN6R shank or extension must be used.

Integrated EWN head and anti-vibration damper

Integrated design enables to locate the damper close to the cutting edge where is the origin of vibration. This maximizes the damping effect.



Reliable scale 1 micron adjustment with vernier.

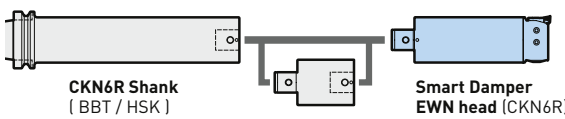
EWN Smart Damper Fine Boring Head CKN6R type, Ø84 - 180

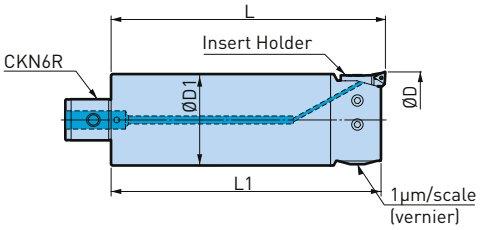
Anti-Vibration

Coolant Through Hole

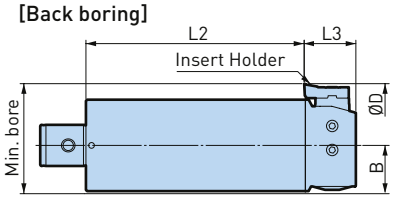


Set up example





[Back boring]



Min. bore = B + (back boring diameter / 2)

Model	CK	Insert Holder	Boring			Back Boring				ØD1	Weight (kg)	Insert
			ØD	L	L1	ØD	L2	L3	B			
NEW CKN6R-EWN84DP-240	CKN6R	ENH6-1	84 - 130	240	236.2	108 - 130	191	42.2	40.5	80	12.5	TC11
		ENH6-2	110 - 156			112 - 156						
		ENH6-3	134 - 180			134 - 180						

1. The diameter range is the values when an insert with nose radius 0.4 is used.
2. ENH6-1 Insert Holder is included. ENH6-2 and 3 are to be ordered separately if required.
3. During back boring, the rotation direction will be reversed.
4. Insert is to be ordered separately.
5. Needs to be assembled with 3 CK set screws.

Boring range is extended by using optional Insert Holder

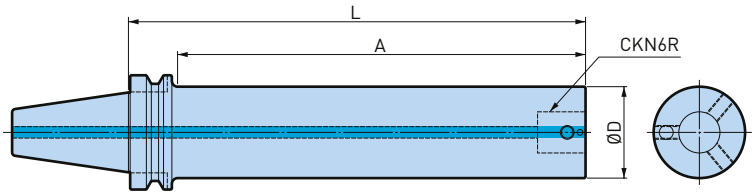
Standard Accessory	Optional Accessory	
ENH6-1	**ENH6-2**	**ENH6-3**
		
Ø84 - Ø130	Ø110 - Ø156	Ø134 - Ø180

In addition to the products shown, various insert holders for EWN BORING HEAD such as the "Insert Holder to undercut corners" can be used.

CKN6R with BBT Shank

With drive key grooves and orientation notch.





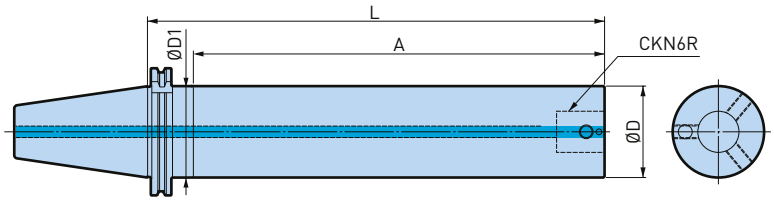
	Model	Article No.	CK	ØD	L	A	Weight (kg)
NEW	BBT50-CKN6R-80-400	-	CKN6R	80	400	357	16.90

1. Cutting edge and drive key grooves are located in the same orientation.
2. 3 pcs. of CK-Screws on the Shank side are assembled.

CKN6R with BDV Shank

With drive key grooves and orientation notch.





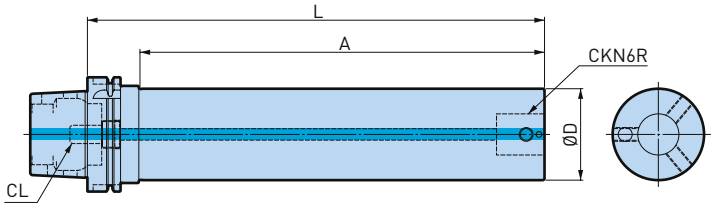
	Model	Article No.	CK	ØD1	ØD	L	A	Weight (kg)
NEW	BDV50-CKN6R-80-400	-	CKN6R	80	80	400	380	16.20

1. Cutting edge and drive key grooves are located in the same orientation.
2. 3 pcs. of CK-Screws on the Shank side are assembled.

CKN6R with HSK-A Shank

With drive key grooves and orientation notch.





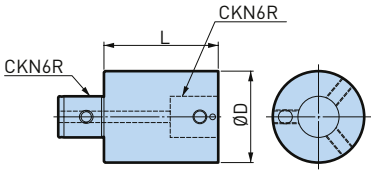
	Model	Article No.	CK	ØD	L	A	Weight (kg)
NEW	HSK-A100-CKN6R-80-400	-	CKN6R	80	400	354	15.40

1. Coolant pipe (CL) is to be ordered separately.
2. Cutting edge and drive key grooves are located in the same orientation.
3. 3 pcs. of CK-Screws on the Shank side are assembled.

CKN6R Extensions

Coolant Through Hole





Model	Article No.	CK	ØD	L	Weight (kg)
NEW CKN66R-80-100	-	CKN6R	80	100	3.80

1. 3 pcs. of CK-Screws on the Shank side are assembled.

CK Screw Set

Clamp Set Screw for CKN6R



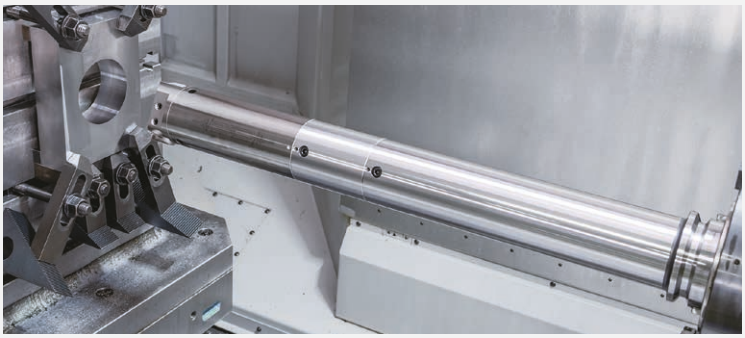
Model	Article No.	Screw	Wrench
NEW CK6S-L	-	M12 x P1	CK-T6

1. 2 screws and 1 wrench are included

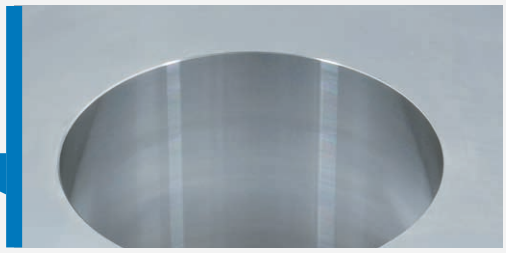
Application Example

CKN6R-EWN84DP-240 head assembly with exceeding 700mm overhang Despite the quite long setup, ideal cutting speed is achieved, and the quality surface finish is obtained.

Material	C50
Machine	Horizontal #50
Diameter	**Ø90**
Feed f (mm/rev)	0.16
Cutting Depth (mm/Ø)	0.2
Radius	0.8



Boring tool	Overhang	Speed (m/min)			
		50	100	200	300
Smart Damper **CKN6R-EWN84DP-240** + BBT50-CKN6R-80-400 + CKN66R-80-100	740	○	○	○	○

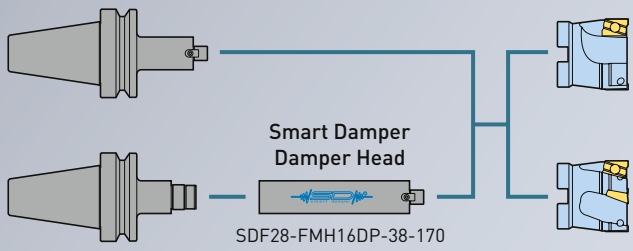


NEW

FULLCUT MILL Type FCM

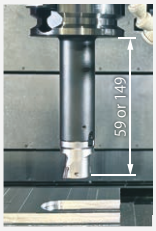
Fullcut Mill Arbor Type
Smallest Ø40 model!





Slotting with 2 or 4 inserts → Higher chip volume: **4 inserts for short overhang**, **2 inserts for long overhang**

Model description	FMH16-FCM40112-40 FMH16-FCM40114-40
Workpiece	C50
Machine	Vertical #50
Speed Vc	150 m/min
Feed fz	0.1 mm
Redial DOC ae	40 mm



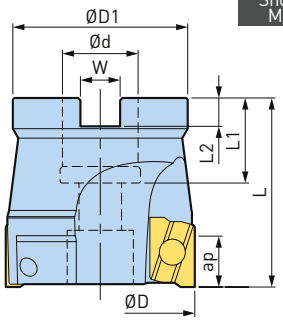
Effective cutter length (mm)	59		149	
Number of inserts	2	**4**	**2**	4
Axial DOC (max.) ap (mm)	11.0	7.0	4.0	1.2
Chip volume (cm^3/min)	105	**134**	**38**	23

Fullcut Mill FCM - Arbor Type

Corresponding to Form FMH of new standard face milling adapter.





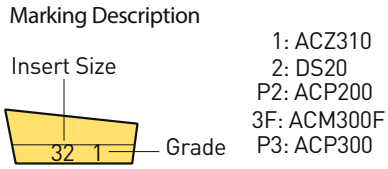


	Model	ØD	Ød	ØD1	L	L1	L2	ap	W	Number of Inserts	Insert size	Weight (kg)
NEW	FMH16-FCM40112-40	40	16	37	40	18	6	11	8.4	2	ARG40	0.30
NEW	FMH16-FCM40114-40	40	16	37	40	18	6	11	8.4	4	ARG40	0.30
NEW	FMH22-FCM50113-40	50	22	47	40	20	6	11	10.4	3	ARG40	0.50

1. Wrench is included.
2. Inserts are to be ordered separately.

Indexable Inserts for Fullcut Mill FCM



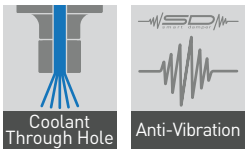


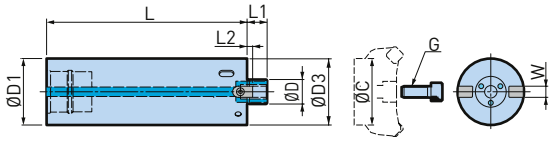
Model	Article No.	ØD	ap	R	Insert Grade	Material
ARG401102(DS20)	978.821	40, 50	11	0.2	DS20	Aluminium
ARG401102(ACM300F)	807.737	40, 50	11	0.2	ACM300F	Stainless Steel
ARG401102(ACP300)	800.052	40, 50	11	0.2	ACP300	General Steel
ARG401102(ACZ310)	800.053	40, 50	11	0.2	ACZ310	Cast iron
ARG401104(DS20)	966.269	40, 50	11	0.4	DS20	Aluminium
ARG401104(ACP200)	978.809	40, 50	11	0.4	ACP200	Prehardened steel
ARG401104(ACM300F)	807.738	40, 50	11	0.4	ACM300F	Stainless Steel
ARG401104(ACP300)	966.265	40, 50	11	0.4	ACP300	General Steel
ARG401104(ACZ310)	966.268	40, 50	11	0.4	ACZ310	Cast iron

1. ACP300 is first recommendation for steel and ACM300F is first recommendation for stainless steel.
2. Inserts are available in a packet of 10 pcs.

Smart Damper Damper Heads for Mills





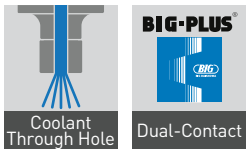


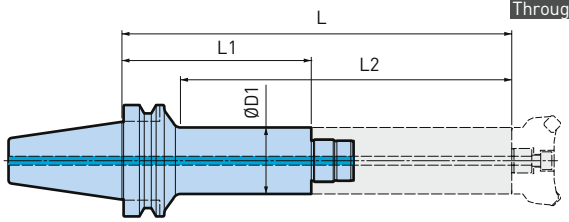
Model	Article No.	ØD	ØD1	ØD3	L	L1	L2	G	W	ØC min.	Weight (kg)
SDF28-FMH16DP-38-170	-	16	38	38	170	16	5	M8	8	28	1.90
SDF36-FMH22DP-47-180	804.969	22	47	47	180	18	5	M10	10	36	3.00

1. Wrench and cutter clamping bolt are included.
2. By using a clamping screw with a through bore, coolant is supplied through the screw.

Smart Damper Basic Holders for Milling Heads





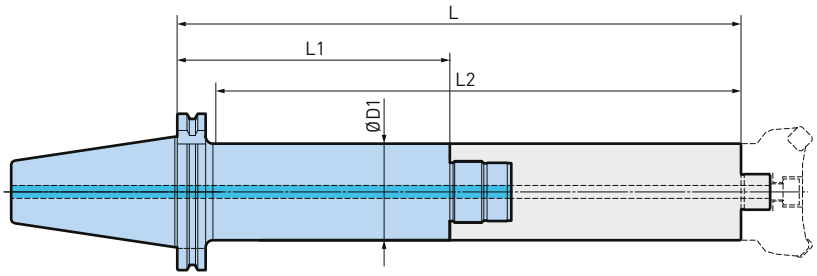


Model	Article No.	ØD1	L	L1	L2	Damper Head Model	Weight (kg)
BBT40-SDF28-38-30	-	38	200	30	171	SDF28-FMH16DP-38	1.10
BBT40-SDF28-38-80	-	38	250	80	220	SDF28-FMH16DP-38	1.50
BBT50-SDF28-38-80	-	38	250	80	195	SDF28-FMH16DP-38	4.30
BBT50-SDF28-38-130	-	38	300	130	245	SDF28-FMH16DP-38	4.70
BBT50-SDF28-38-180	-	38	350	180	295	SDF28-FMH16DP-38	5.10

1. BIG-PLUS® tools can be used in machining centers with non BIG-PLUS® spindles.

Smart Damper Basic Holders for Milling Heads



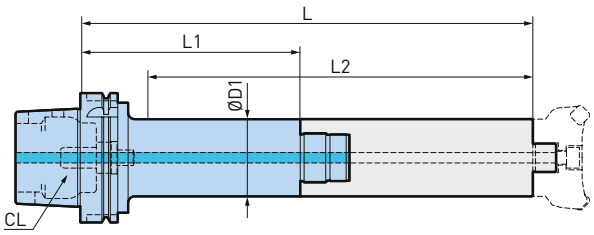


Model	Article No.	ØD1	L	L1	L2	Damper Head Model	Weight (kg)
BDV50-SDF36-47-170	805.296	47	350	170	325	SDF36-FMH...DP-47	4.90

1. BIG-PLUS® tools can be used in machining centers with non BIG-PLUS® spindles.

Smart Damper Basic Holders for Milling Heads





Model	Article No.	ØD1	L	L1	L2	Damper Head Model	Weight (kg)
HSK-A63-SDF28-38-40	-	38	210	40	175	SDF28-FMH16DP-38	0.90
HSK-A63-SDF28-38-80	-	38	250	80	215	SDF28-FMH16DP-38	1.30
HSK-A63-SDF36-47-45	-	47	225	45	182	SDF36-FMH...DP-60	1.20
HSK-A63-SDF36-47-85	-	47	265	85	222	SDF36-FMH...DP-60	1.70
HSK-A100-SDF36-47-170	804.976	47	350	170	310	SDF36-FMH...DP-47	4.40
HSK-A100-SDF36-47-220	804.978	47	400	220	360	SDF36-FMH...DP-47	5.00

1. Coolant pipe (CL) is to be ordered separately.

NEW

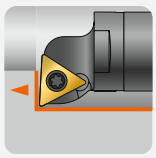
SMART DAMPER BORING BAR

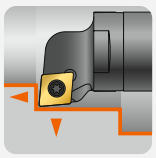
Stable Deep-Hole Machining for Small Diameters

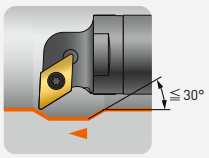
New Size Added to the
Vibration-Damping Boring Bar Lineup

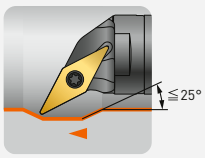
MAX. 7D

Application	**Blind Hole Machining**	**Back Face Machining**	**Profiling**	**Profiling**
Insert Shape	Triangular	80° Diamond	55° Diamond	35° Diamond
Applicable Insert	TP1103	CC0602, CC09T3	DC0702, DC11T3	VB1103
Cartridge	**STUPR**	**SCLCR**	**SDUCR**	**SVPBR**









Feature for the new Small Diameter Models (ST16M, ST20M and ST25M)

- **Special Dynamic Damper Instantly Suppresses Chatter**
- **Interchangeable Cartridges for Different Machining Applications**



Easy Center Height Adjustment by Simply Aligning the Reference Lines on the Boring Bar and Sleeve

Smart Damper Turning

Anti-Vibration



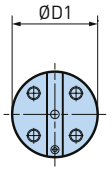


Fig. 1

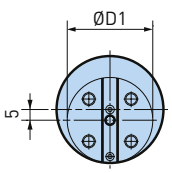
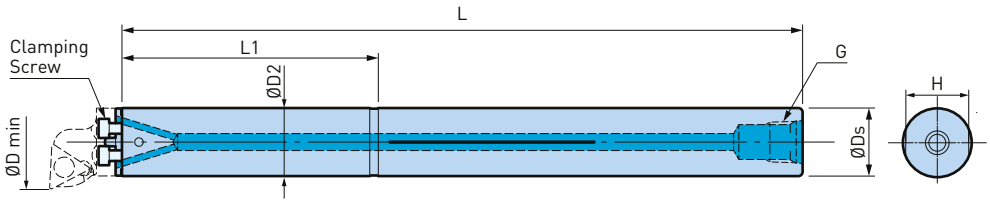


Fig. 2



	Model	Article No.	Fig.	Cartridge	ØD	ØDs	ØD1	ØD2	L	L1	H	G	Weight (kg)
NEW	ST16M-SDB20DP-160	-	1	B16	20*	16	-	-	160	63	-	PT1/8	0.30
NEW	ST20M-SDB25DP-200	-	1	B20	25**	20	-	-	200	84	-	PT1/8	0.50
NEW	ST25M-SDB32DP-255	-	1	B25	32	25	-	-	255	105	-	PT1/4	1.10
	ST32-SDB40DP-320	806.422	1	B32	40	32	32	32	320	144	30	PT1/4	2.20
	ST40-SDB50DP-410	806.423	1	B40	50	40	40	40	410	170	37	PT3/8	4.50
	ST50-SDB60DP-520	807.403	2	B40	60	50	40	40	520	190	47	PT3/8	8.90
NEW	ST60-SDB73DP-630	-	2	B40	73	60	40	60	630	207	57	PT1/2	15.10
NEW	ST63-SDB75DP-630	-	2	B40	75	63	40	60	630	207	60	PT1/2	16.10

1. Clamp bolts (3 pcs.) and o-rings (2 pcs.) are included.
2. Cartridge is to be ordered separately.
3. Center through coolant is available.
4. Small Diameter Models with „M" do not have flat surface on the shank.
5. * ØD will be 21 when B16-SVPBR-12021-11 is installed.
6. ** ØD will be 26 when B20-SVPBR-14022-11 is installed.

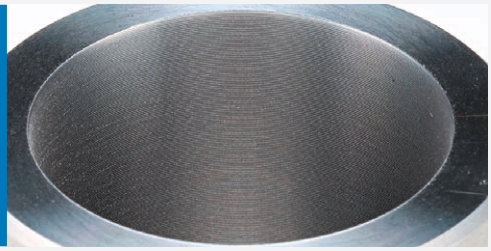
Application Example

Material	C45
Cutting speed	200m/min
Feed	0.15mm
Insert	TPMT110304N-FA
Machining diameter	Ø25



Boring tool	Overhang	L/D	Depth of cut (mm)			
			0.25	0.5	1.5	2.5
Carbide shank	80	5.0	×	—	—	—
Smart Damper **ST16M-SDB20DP-160** + B16-STUPR-11017-11	**112**	**7.0**	○	○	○	○

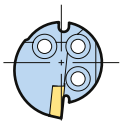
○ = Good surface finish × = Chatter occurs



Cartridges for Smart Damper

Positive





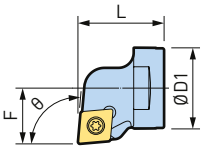


Fig. 1

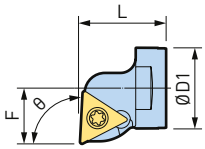


Fig. 2

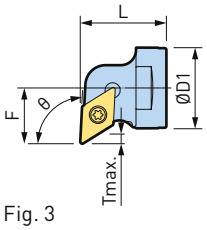


Fig. 3

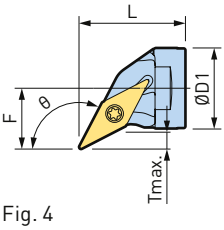
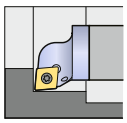
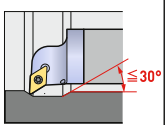
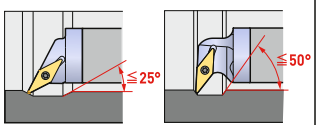
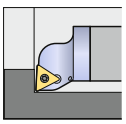
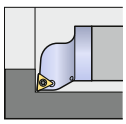
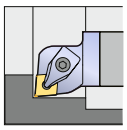
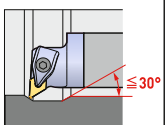
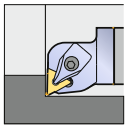


Fig. 4

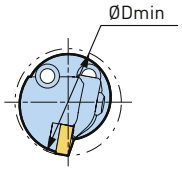
Model	Article No.	Fig.	Type	Insert	Hand	ØD1	L	F	Entering Angle	Screw Set
NEW B16-SCLCR-11017-06	-	1	B16	CC0602	R	16	17	11	95°	S2.5S-8IP
NEW B16-SDUCR-11017-07	-	3	B16	DC0702	R	16	17	11	93°	S2.5S-8IP
NEW B16-STUPR-11017-11	-	2	B16	TP1103	R	16	17	11	93°	S3S-10IP
NEW B16-SVPBR-12021-11	-	4	B16	VB1103	R	16	21	12	117.5°	S2.5S-8IP
NEW B20-SCLCR-13020-09	-	1	B20	CC09T3	R	20	20	13	95°	S4S-15IP
NEW B20-SDUCR-13020-11	-	3	B20	DC11T3	R	20	20	13	93°	S4S-15IP
NEW B20-STUPR-13020-11	-	2	B20	TP1103	R	20	20	13	93°	S3S-10IP
NEW B20-SVPBR-14022-11	-	4	B20	VB1103	R	20	22	14	117.5°	S2.5S-8IP
NEW B25-SCLCR-17020-09	-	1	B25	CC09T3	R	25	20	17	95°	S4S-15IP
NEW B25-SDUCR-17020-11	-	3	B25	DC11T3	R	25	20	17	93°	S4S-15IP
NEW B25-STUPR-17020-11	-	2	B25	TP1103	R	25	20	17	93°	S3S-10IP
NEW B25-SVPBR-17022-11	-	4	B25	VB1103	R	25	22	17	117.5°	S2.5S-8IP
B32-SDUCR-22032-11	806.426	3	B32	DC11T3	R	32	32	22	93°	S4 S-15IP
B32-STUCR-22032-11	806.802	2	B32	TC1102	R	32	32	22	93°	S2.5S-7IP
B32-SCLCR-22032-12	806.424	1	B32	CC1204	R	32	32	22	95°	S5 S-20IP
B32-STUPR-22032-16	806.425	2	B32	TP1604	R	32	32	22	93°	S4 S-15IP
B32-SVPBR-22032A-16	-	4	B32	VB1604	R	32	32	22	117.5°	S3.5S-15IP
B32-SVUBR-22032-16	-	4	B32	VB1604	R	32	32	22	93°	S3.5S-15IP
B40-SDUCR-27032-11	806.429	3	B40	DC11T3	R	40	32	27	93°	S4 S-15IP
B40-STUCR-27032-11	806.803	2	B40	TC1102	R	40	32	27	93°	S2.5S-7IP
B40-SCLCR-27032-12	806.427	1	B40	CC1204	R	40	32	27	95°	S5 S-20IP
B40-STUPR-27032-16	806.428	2	B40	TP1604	R	40	32	27	93°	S4 S-15IP
B40-SVPBR-27032A-16	-	4	B40	VB1604	R	40	32	27	117.5°	S3.5S-15IP
B40-SVUBR-27032-16	-	4	B40	VB1604	R	40	32	27	93°	S3.5S-15IP

1. Wrench is included.
2. Inserts are to be ordered separately.

Application	Inner angle face machining	Copy machining		Blind hole machining	
Shape	80° rhombic	55° rhombic	35° rhombic	Triangular	
Screw-on type (for positive insert) 	CC1204 	DC11T3 	VB1604 	TP1604 	TC1102 
Double clamp type (for negative insert) 	CN1204 	DN1104 DN1504 DN1506 	—	TN1604 	

Negative





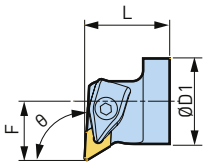


Fig. 1

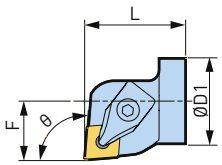


Fig. 2

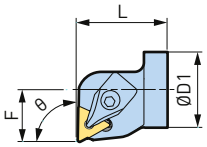


Fig. 3

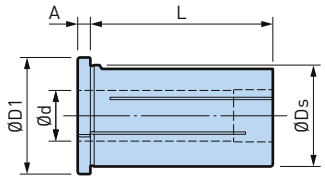
Model	Article No.	Fig.	Type	Insert	Hand	ØD1	L	F	Entering Angle	Weight (kg)
B32-DDUNR-22032-11	807.404	1	B32	DN1104	R	32	32	22	93°	0.12
B32-DCLNR-22038-12	807.405	2	B32	CN1204	R	32	38	22	95°	0.15
B32-DTFNR-22038-16	-	3	B32	TN1604	R	32	38	22	91°	0.16
B40-DDUNR-27032-15	807.407	1	B40	DN1506*/ DN1504	R	40	32	27	93°	0.18
B40-DCLNR-27038-12	807.408	2	B40	CN1204	R	40	38	27	95°	0.23
B40-DTFNR-27038-16	-	3	B40	TN1604	R	40	38	27	91°	0.23

1. Wrench is included.
2. Inserts are to be ordered separately.
3. Carbide shim for 6.35 mm thick DN1506 insert is included as standard. In case of DN1504 insert (thickness of 4.76 mm), please replace the standard carbide shim with DNS1506 (option).

BOA Sleeve

For ST16M, ST20M and ST25M



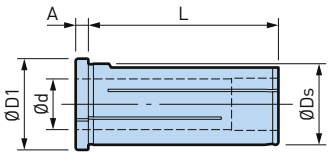


	Model	Ød	ØDs	ØD1	A	L
NEW	BOA32-16M	16	32	38	5	61
NEW	BOA32-20M	20	32	38	5	61
NEW	BOA32-25M	25	32	38	5	61
NEW	BOA40-16M	16	40	46	5	72
NEW	BOA40-20M	20	40	46	5	72
NEW	BOA40-25M	25	40	46	5	72
NEW	BOA50-20M	20	50	56	5	92
NEW	BOA50-25M	25	50	56	5	92

BSL Sleeve

For ST16M, ST20M and ST25M to use with BSL Side Lock Holder



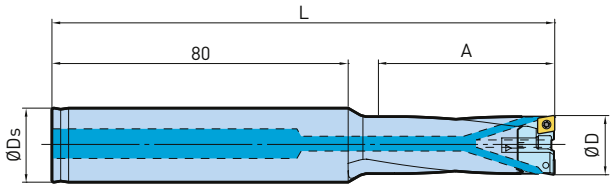


	Model	Ød	ØDs	ØD1	A	L
NEW	BSLA32-16M	16	32	36	5	75
NEW	BSLA32-20M	20	32	36	5	75
NEW	BSLA32-25M	25	32	36	5	75

MW Rough Boring Heads, Ø 16 - 24

The MW rough boring heads permit extremely fast roughing of small holes (Ø 16-24 mm).





Blind hole



Through hole



Threads for plug screws are prepared in the coolant holes to change the coolant directions.

	ØD	Model	Cartridge	ØDs	L	A	Weight (kg)
	16 - 19	ST20-MW1619-45	MW1619E	20	136	45	0.24
	16 - 19	ST20-MW1619-60	MW1619E	20	151	60	0.26
	18 - 21	ST20-MW1821-50	MW1821E	20	141	50	0.26
	18 - 21	ST20-MW1821-65	MW1821E	20	156	65	0.28
NEW	20 - 24	ST20-MW2024- 55	MW2024E	20	152	55	0.30
NEW	20 - 24	ST20-MW2024- 75	MW2024E	20	172	75	0.34

1. Cartridge models are a 2-piece set.
2. Cartridge is to be ordered separately.

MW BORING HEAD Cutting Conditions Table

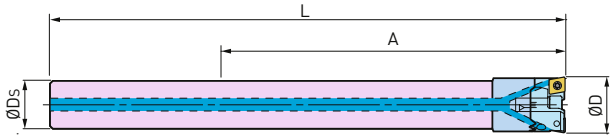
Workpiece Material	Cutting speed Vc (m/min)	Feed rate f (mm/rev)	Cutting depth (mm/Ø)
Carbon Steel	130 - 180	0.10 - 0.20	2.0 - 3.0
Stainless Steel	100 - 140	0.15 - 0.25	1.5 - 2.5
Cast Iron	120 - 200	0.10 - 0.30	1.0 - 4.0
Aluminum	180 - 280	0.20 - 0.30	1.5 - 4.0

- Generally for use with center through coolant.
  Cutting speed must be lowered for external oil supply.
- Blind hole processing may damage inserts and tools, as cutting chips clog at the back of the hole.
- Remove cutting chips at the small bottom of the hole several times for processing.

MW Rough Boring Heads, Ø 16 - 21 Carbide

The MW rough boring heads permit extremely fast roughing of small holes (Ø 16-21 mm).





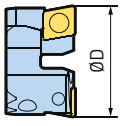
is made of carbide.

ØD	Model	Cartridge	ØDs	L	A	Weight (kg)
16 - 19	ST14W-MW16-110	MW1619E	14	151	110	0.27
18 - 21	ST16W-MW18-115	MW1821E	16	172	115	0.42

1. Cartridge models are a 2-piece set.
2. Cartridge is to be ordered separately.
3. Exclusive use for through holes. Do not use with blind holes.

Cartridge MW



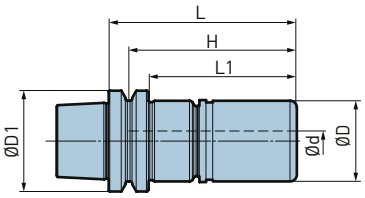


	ØD	Model	Insert	Weight (kg)
	16 - 19	MW1619E	MW 04	0.01
	18 - 21	MW1821E	MW 04	0.01
NEW	20 - 24	MW2024E	MW 04	0.01

1. Consisting of two cartridges, clamping screws and wrench.
2. Inserts are to be ordered separately.

HSK-EZ15 MEGA Micro Chuck





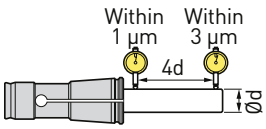
Model	Article No.	Ød	ØD	ØD1	L	L1	H	Collet Model	Nut Model	Weight (kg)
HSK-EZ15-MEGA3S-25	-	0.45 - 3.25	10	15	25	18	22	NBC3S-	MGN3S	0.30
HSK-EZ15-MEGA4S-28	-	0.45 - 4.05	12	15	28	21	25	NBC4S-	MGN4S	0.30
HSK-EZ15-MEGA6S-30	-	0.45 - 6.05	14	15	30	23	27	NBC6S-	MGN6S	0.30

1. MEGA nut is included in delivery.
2. "H" is the max. tool shank length that can be inserted for these models.
3. Collet and wrench are to be ordered separately.

Micro Collets

For MEGA Micro Chuck
Available in 0.1 mm diameter increments to suit all the cutting tool shank sizes with maximum accuracy. Despite their compact size, high clamping force and accuracy are achieved.





Collet class	Max. runout	
	At nose	At end of test bar
AA	Within 1 µm	Within 3 µm

For MEGA 3S

Model	Article No.	Clamping Range
NBC3S-1.00AA	968.306	0.95 - 1.05 mm
NBC3S-2.00AA	968.316	1.95 - 2.05 mm
NBC3S-3.00AA	968.326	2.95 - 3.05 mm

For MEGA 4S

Model	Article No.	Clamping Range
NBC4-1.00AA	961.462	0.95 - 1.05 mm
NBC4-2.00AA	961.466	1.95 - 2.05 mm
NBC4-3.00AA	961.470	2.95 - 3.05 mm
NBC4-4.00AA	961.474	3.95 - 4.05 mm

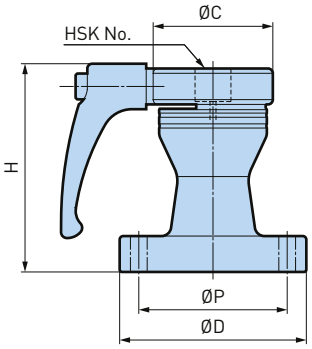
For MEGA 6S

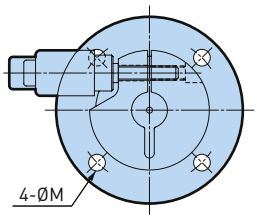
Model	Article No.	Clamping Range
NBC6S-1.00AA	961.477	0.95 - 1.05 mm
NBC6S-2.00AA	961.481	1.95 - 2.05 mm
NBC6S-3.00AA	961.485	2.95 - 3.05 mm
NBC6S-4.00AA	961.489	3.95 - 4.05 mm
NBC6S-5.00AA	961.493	4.95 - 5.05 mm
NBC6S-6.00AA	961.497	5.95 - 6.05 mm

1. More sizes are available. Please check our online catalogue.

Tool Holding Fixture







Model	Article No.	HSK No.	ØC	ØD	H	ØP	ØM	Weight (kg)
NEW TMS-HSK15	-	15	50	78	87	62	M6	1.03

1. Mounting screws are not included.

MEGA Wrench

For MEGA Micro Chuck



Model	Article No.	Ød	MEGA Micro Chuck
MGR10	969.449	10	MEGA3S
MGR12	969.450	12	MEGA4S
MGR14	969.452	14	MEGA6S

MEGA Torque Wrench

Engineered for accurate and secure nut tightening on MEGA Micro Chucks.



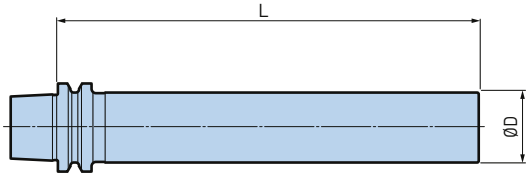
Model	Article No.	Ød	MEGA Micro Chuck
MGR10TL	805.460	10	MEGA3S
MGR12TL	969.451	12	MEGA4S
MGR12TLS	804.117		
MGR14TL	969.453	14	MEGA6S
MGR14TLS	978.379		

1. TLS models are recommended to tighten 3mm or smaller inner diameter collets.

Dyna Test

Regular inspection of the machine spindle to ensure production stability and operational precision.





Model	ØD	L
HSK-EZ15-12-L70	12	70

More additions across the entire range can be viewed in a separate PDF.

NEW



The complete product overview
and accessories can be found in the
BIG DAISHOWA main catalogue.
www.bigdaishowa.eu

BD-201-010-202608-EN