





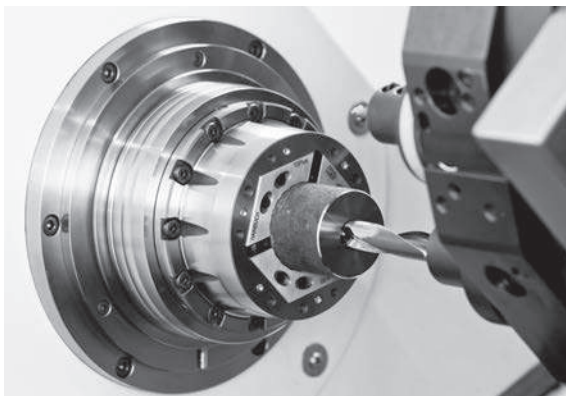
The »mini« series really shines with a mass reduced by as much as 30 %, and a chuck diameter that is reduced by 1/3. This means reduced energy consumption and better tool accessibility. Naturally, adaptation devices can also be used with the TOPlus mini chuck. To maintain the minimal interference contour, the TOPlus mini chuck has its own adaptation devices with a smaller bolt hole circle.

Thanks to the reduced interference contour, it is easier to choose the tool that you need. Now it can also be shorter and more stable – on the main and sub spindles. Particularly in the case of limited installation space and in series operation, the TOPlus mini chuck is ideal: Lower energy consumption, dynamic spindle acceleration, and shorter cycle times reduce the costs per workpiece.

Minimalism that pays off!

Key advantages

- Adaptation devices possible [HAINBUCH SYSTEM]
- 25 % higher holding power than SPANNTOP
- Significantly reduced interference contour
- Improved tool accessibility
- Ideal for limited installation space
- Lower mass
- Minimal inertia loss compared to 3-jaw chucks



TOPlus mini pull-back in use

CHUCKS

TOPlus mini chuck



TOPlus mini chuck types

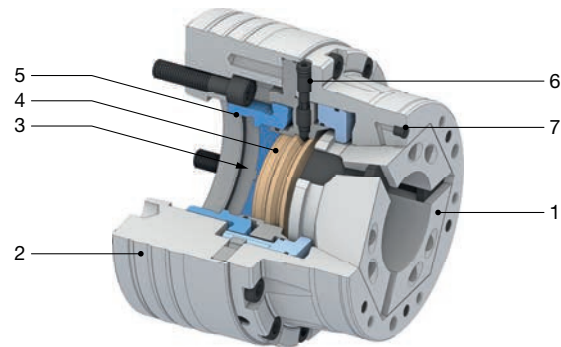
	TOPlus mini pull-back	TOPlus mini deadlength
		
Description	Workpiece clamping with pull-back effect. Chuck with dismountable end-stop plate.	Workpiece clamping without pull-back effect. Chuck with dismountable end-stop plate.
Advantages	■ Workpiece stabilization through axial draw force applied against the workpiece end-stop ■ Prepared for inside and front end-stop ■ Converts to a fully functional »bar chuck« when the end-stop plate is removed	■ Workpiece clamping without axial movement of the clamping head ■ Clamps workpieces with a short collar or shoulder ■ Suitable for pick-off without pull-back effect ■ Prepared for inside and front end-stop ■ Converts to a fully functional »bar chuck« when the end-stop plate is removed
Clamping elements	 Clamping head SE	 Clamping head SE
Adaptations	 MANDO Adapt T211 SE [Mandrel-in-clamping-device, with draw bolt]  MANDO Adapt T212 SE [Mandrel-in-clamping-device, without draw bolt]  Jaw module SE [Adaptation for jaw clamping]  Face driver SE / Morse taper adapter SE [Adaptation for clamping between centers]  Magnet module SE [Adaptation for magnetic clamping]	



TOPlus mini pull-back in detail

Designation

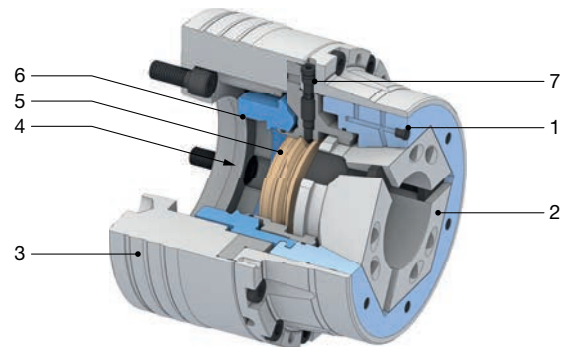
- 1 Vulcanized clamping head with pull-back and hexagonal geometry for optimum chuck sealing and improved clamping force
- 2 Spindle flange
- 3 Chuck through-bore for bar work after disassembling the base end-stop
- 4 Fixed base end-stop for clamping with pull-back effect, central mounting thread for workpiece specific end-stop
- 5 Mounting thread for drawtube connection
- 6 Clamping screw for base end-stop, easy mounting through external actuation
- 7 Grease nipple, optimal holding power due to efficient lubrication



TOPlus mini deadlength in detail

Designation

- 1 Grease nipple, optimal holding power due to efficient lubrication
- 2 Vulcanized standing clamping head with hexagonal geometry for improved chuck seal and greater clamping force
- 3 Spindle flange
- 4 Chuck through-bore for bar work after disassembling the base end-stop
- 5 Fixed base end-stop with central mounting thread for workpiece specific end-stop
- 6 Mounting thread for drawtube connection
- 7 Clamping screw for base end-stop, easy mounting through external actuation



CHUCKS

TOPlus mini chuck



Order overview. TOPlus mini chuck

						Clamping elements and adaptations					
Size	Variant	Spindle nose	Total length [mm]	Material no.	In stock						
						Page 422	Page 274	Page 280	Page 316	Page 324	Page 332
26	Pull-back	A2-4	102	10000752	✓	✓					
		A2-5		10000753	✓						
		A2-5	125	10000754	✓						
	Deadlength	A2-4	99	10000797	✓	✓					
			110	10000798	✓						
		A2-5	101	10000799	✓						
			110	10000800	✓						
			130	10000801	✓						
40	Pull-back	A2-4	125	10000755	✓	✓					
		A2-5	117	10000756	✓						
			125	10000757	✓						
			143	10000758	✓						
		A2-6	124	10000759	✓						
			142	10000760	✓						
		AP120	106	10000761	✓						
			118	10000762	✓						
		AP140	106	10000786	✓						
	Deadlength	A2-4	123	10000802	✓	✓					
		A2-5	115	10000803	✓						
			123	10000804	✓						
			140	10000805	✓						
		A2-6	122	10000806	✓						
			139	10000807	✓						
52	Pull-back	A2-5	122	10000764	✓	✓	✓	✓		✓	✓
			145	10000765	✓						
		A2-6	122	10000766	✓						
			145	10000767	✓						
		A2-8	120	10000784	✓						
			145	10000785	✓						
		AP110	120	10000782	✓						
		AP120	105	10000768	✓						
			115	10000769	✓						
		AP140	105	10000770	✓						
			115	10000771	✓						

Detailed technical data follows.

TOPlus mini and TOPlus premium chucks require adaptations [MANDO Adapt, face driver and morse taper adapter] of the mini series. Machine spindle standard DIN ISO 702-1. For spindle connection data please visit www.hainbuch.com.



CHUCKS

TOPlus mini chuck

Order overview. TOPlus mini chuck

						Clamping elements and adaptations					
Size	Variant	Spindle nose	Total length [mm]	Material no.	In stock						
						Clamping head SE Page 422	MANDO Adapt T211 SE for TOPlus mini / premium Page 274	MANDO Adapt T212 SE for TOPlus mini / premium Page 280	Jaw module SE Page 316	Face driver / morse taper adapter SE for TOPlus mini / premium Page 324	Magnet module SE Page 332
52	Deadlength	A2-5	122	10000811	✓	✓					
		A2-5	147	10000812	✓						
		A2-6	122	10000813	✓						
			147	10000814	✓						
		A2-8	120	10000834	✓						
		AP110	100	10000831	✓						
			115	10000833	✓						
		AP120	105	10000815	✓						
			115	10000816	✓						
		AP140	107	10000817	✓						
65	Pull-back	A2-5	124	10000787	✓	✓	✓	✓	✓	✓	✓
			130	10000740	✓						
			150	10000741	✓						
		A2-6	126	10000742	✓						
			130	10000743	✓						
			155	10000744	✓						
		A2-8	130	10000745	✓						
			155	10000746	✓						
		AP120	111	10000749	✓						
			120	10000750	✓						
		AP140	111	10000747	✓						
			120	10000748	✓						
		AP170	115	10000751	✓						
	Deadlength	A2-5	128	10000788	✓						
			138	10000789	✓						
		A2-6	124	10000790	✓						
			138	10000791	✓						
			163	10000792	✓						
		A2-8	133	10000793	✓						
			163	10000794	✓						
		AP120	129	10000840	✓						
		AP140	138	10000795	✓						
		AP170	110	10000836	✓						
			128	10000796	✓						
80	Pull-back	A2-5	132	10017026	✓	✓	✓	✓			
		A2-6	128	10017030	✓						

Detailed technical data follows.

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CHUCKS

TOPlus mini chuck



Order overview. TOPlus mini chuck

Clamping elements and adaptations

Size	Variant	Spindle nose	Total length [mm]	Material no.	In stock	Clamping elements and adaptations					
											
						Page 422	Page 274	Page 280	Page 316	Page 324	Page 332
80	Pull-back	A2-6	135	10017031	✓	✓	✓	✓			
			155	10017032	✓						
		A2-8	132	10017034	✓						
			150	10017038	✓						
			180	10017039	✓						
		AP140	132	10017040	✓						
		AP170	115	10017041	✓						
		AP220		10018166	✓						
	Deadlength	A2-5	136	10017043	✓	✓					
			130	10017044	✓						
		A2-6	137	10017045	✓						
			157	10017046	✓						
			132	10017048	✓						
		A2-8	152	10017049	✓						
			182	10017050	✓						
		AP140	134	10017051	✓						
		AP170	115	10017053	✓						
100	Pull-back	A2-5	160	10000772	✓	✓	✓	✓	✓	✓	✓
			164	10000773	✓						
		A2-6	170	10000774	✓						
			162	10000775	✓						
			180	10000776	✓						
		A2-11	195	10000777	✓						
			164	10000778	✓						
		AP170	164	10000779	✓						
		AP220	150	10000780	✓						
	Deadlength	A2-5	171	10000818	✓	✓					
			175	10000819	✓						
		A2-6	182	10000820	✓						
			169	10000821	✓						
			192	10000822	✓						
		A2-8	185	10000823	✓						
			200	10000824	✓						
		AP140	171	10000828	✓						
		AP170	175	10000825	✓						

Detailed technical data follows.

TOPlus mini and TOPlus premium chucks require adaptations [MANDO Adapt, face driver and morse taper adapter] of the mini series.

Machine spindle standard DIN ISO 702-1.

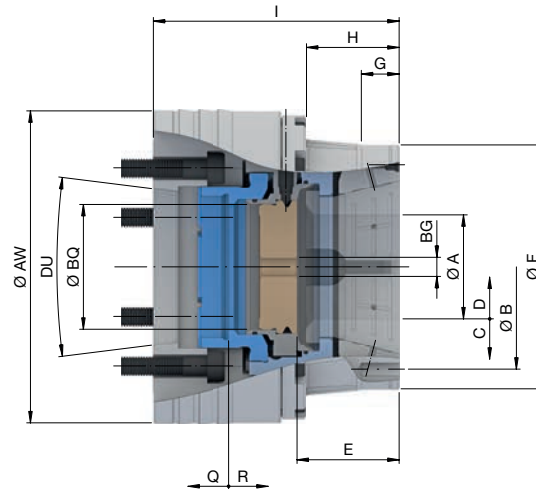
For spindle connection data please visit www.hainbuch.com.

Scope of delivery

- Chuck
- Base end-stop
- Socket wrench insert 1/2"



TOPlus mini pull-back size 26. Technical data



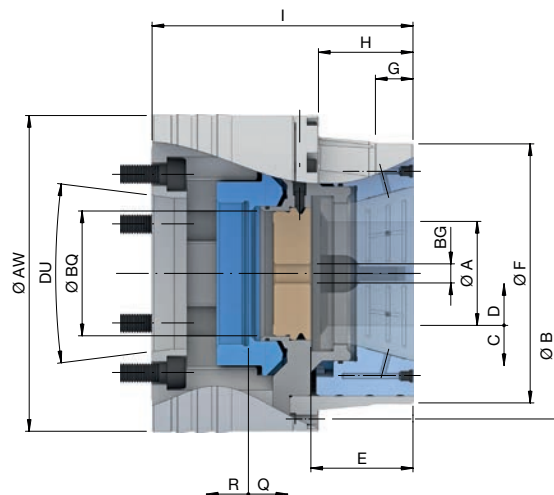
Size	26	
Variant	Pull-back	
Run-out ≤ [mm]	0,010	
Max. radial clamping force [kN]	35	
Max. axial drawtube force [pull / push] [kN]	16	
RPM n max. [1/min.]	10000	
Clamping range [mm]	A	3 – 26
Release stroke in Ø [mm]	C	0,6
Reserve stroke in Ø [mm]	D	0,6
Range / recommended workpiece tolerance [mm]	± 0,3	
End-stop depth [mm]	E	33,8
Ø Capacity [mm]	BQ	37
End-stop thread size [M]	BG	8
Location front end-stop	F	Ø 67 f7
Centering length [mm]	G	15
Bolt hole circle end-stop	B	LK Ø 58 [3 x M6]
Length [mm]	H	43
Reserve stroke axial [mm]	Q	1
Release stroke axial [mm]	R	2

Spindle nose	DU	A2-4	A2-5
Total length [mm]	I	102	125
Outer Ø [mm]	AW	114	128
Weight [kg]		4,8	5,3
In stock		✓	✓
Material no.		10000752	10000753

Clamping heads	Alignment set	Accessory overview
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TOPlus mini deadlength size 26. Technical data



Size	26	
Variant	Deadlength	
Run-out ≤ [mm]	0,020	
Max. radial clamping force [kN]	35	
Max. axial compression force [kN]	16	
RPM n max. [1/min.]	10000	
Clamping range [mm]	A	3 – 26
Release stroke in Ø [mm]	C	0,6
Reserve stroke in Ø [mm]	D	0,6
Range / recommended workpiece tolerance [mm]	± 0,3	
End-stop depth [mm]	E	34,5
Ø Capacity [mm]	BQ	27
End-stop thread size [M]	BG	8
Location front end-stop	F	Ø 74 f7
Centering length [mm]	G	20
Bolt hole circle end-stop	B	LK Ø 88 [3 x M4]
Length [mm]	H	33
Reserve stroke axial [mm]	Q	1
Release stroke axial [mm]	R	2

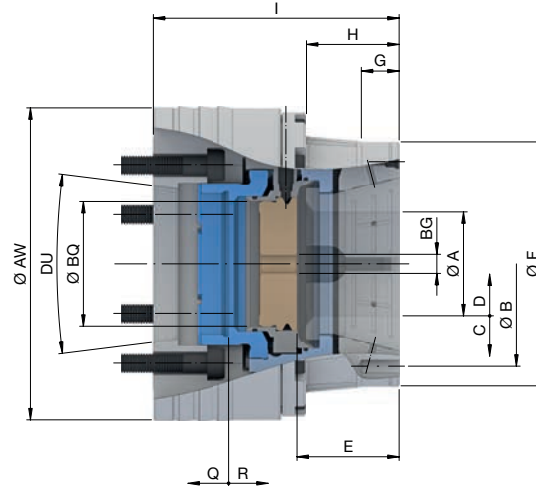
Spindle nose	DU	A2-4		A2-5		
Total length [mm]	I	99	110	101	110	130
Outer Ø [mm]	AW	114		128		
Weight [kg]		4,8	5,3	5,4	5,9	6,8
In stock		✓	✓	✓	✓	✓
Material no.		10000797	10000798	10000799	10000800	10000801



Clamping heads	Alignment set	Accessory overview
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TOPlus mini pull-back size 40. Technical data



Size	40	
Variant	Pull-back	
Run-out ≤ [mm]	0,010	
Max. radial clamping force [kN]	103	
Max. axial drawtube force [pull / push] [kN]	33	
RPM n max. [1/min.]	7000	
Clamping range [mm]	A	3 – 40
Release stroke in Ø [mm]	C	0,5
Reserve stroke in Ø [mm]	D	0,8
Range / recommended workpiece tolerance [mm]	± 0,5	
End-stop depth [mm]	E	47
Ø Capacity [mm]	BQ	44
End-stop thread size [M]	BG	10
Location front end-stop	F	Ø 91 f7
Centering length [mm]	G	20
Bolt hole circle end-stop	B	LK Ø 105 [3 x M6]
Length [mm]	H	47
Reserve stroke axial [mm]	Q	2
Release stroke axial [mm]	R	2

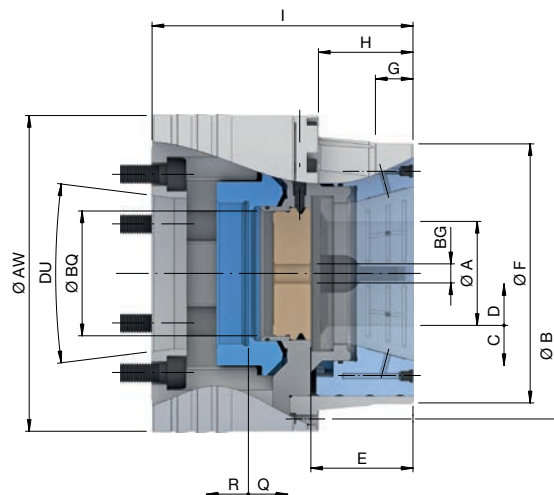
Spindle nose	DU	A2-4		A2-5		A2-6	
Total length [mm]	I	125	117	125	143	124	142
Outer Ø [mm]	AW	132				163	
Weight [kg]		7,7	6,9	7,3	8,2	9,7	11,1
In stock		✓	✓	✓	✓	✓	✓
Material no.		10000755	10000756	10000757	10000758	10000759	10000760

Spindle nose	DU	AP120		AP140
Total length [mm]	I	106	118	106
Outer Ø [mm]	AW	132		150
Weight [kg]		6,4	7	7,9
In stock		✓	✓	✓
Material no.		10000761	10000762	10000786

Clamping heads	Alignment set	Accessory overview
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TOPlus mini deadlength size 40. Technical data



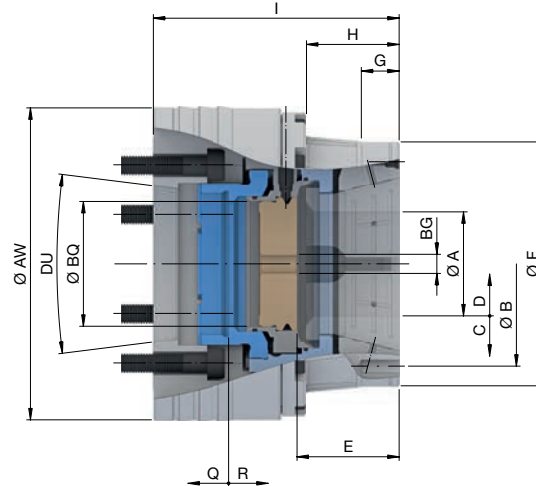
Size	40	
Variant	Deadlength	
Run-out ≤ [mm]	0,020	
Max. radial clamping force [kN]	103	
Max. axial compression force [kN]	33	
RPM n max. [1/min.]	7000	
Clamping range [mm]	A	3 – 40
Release stroke in Ø [mm]	C	0,5
Reserve stroke in Ø [mm]	D	0,8
Range / recommended workpiece tolerance [mm]	± 0,5	
End-stop depth [mm]	E	47,7
Ø Capacity [mm]	BQ	44
End-stop thread size [M]	BG	10
Location front end-stop	F	Ø 99 f7
Centering length [mm]	G	20
Bolt hole circle end-stop	B	LK Ø 115 [3 x M4]
Length [mm]	H	47
Reserve stroke axial [mm]	Q	2
Release stroke axial [mm]	R	2

Spindle nose	DU	A2-4		A2-5		A2-6	
Total length [mm]	I	123	115	123	140	122	139
Outer Ø [mm]	AW	134				160	
Weight [kg]		8,2	7,5	8	8,9	10	11,3
In stock		✓	✓	✓	✓	✓	✓
Material no.		10000802	10000803	10000804	10000805	10000806	10000807

Clamping heads	Alignment set	Accessory overview
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TOPlus mini pull-back size 52. Technical data



Size	52	
Variant	Pull-back	
Run-out ≤ [mm]	0,010	
Max. radial clamping force [kN]	108	
Max. axial drawtube force [pull / push] [kN]	40	
RPM n max. [1/min.]	7000	
Clamping range [mm]	A	3 – 52
Release stroke in Ø [mm]	C	0,6
Reserve stroke in Ø [mm]	D	1
Range / recommended workpiece tolerance [mm]	± 0,5	
End-stop depth [mm]	E	46
Ø Capacity [mm]	BQ	53
End-stop thread size [M]	BG	10
Location front end-stop	F	Ø 119 f7
Centering length [mm]	G	15
Bolt hole circle end-stop	B	LK Ø 105 [3 x M8]
Length [mm]	H	42
Reserve stroke axial [mm]	Q	2
Release stroke axial [mm]	R	2,5

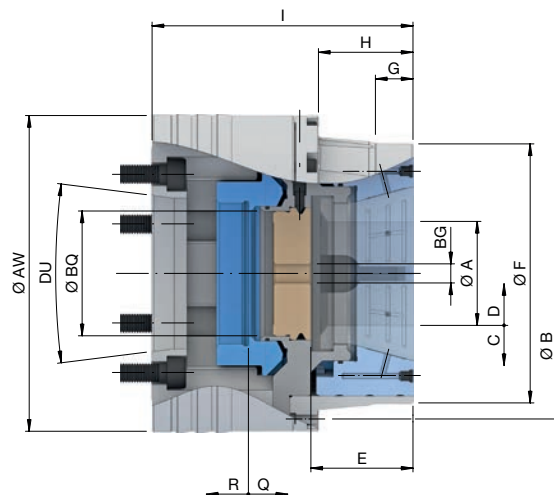
Spindle nose	DU	A2-5		A2-6		A2-8	
Total length [mm]	I	122	145	122	145	120	145
Outer Ø [mm]	AW	149		159		204	
Weight [kg]		10,5	12,4	10,7	12,4	15,7	18,6
In stock		✓	✓	✓	✓	✓	✓
Material no.		10000764	10000765	10000766	10000767	10000784	10000785

Spindle nose	DU	AP110	AP120		AP140	
Total length [mm]	I	120	105	115	105	115
Outer Ø [mm]	AW	149		150		
Weight [kg]		10,7	9,3	10,1	9,2	10,1
In stock		✓	✓	✓	✓	✓
Material no.		10000782	10000768	10000769	10000770	10000771

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TOPlus mini deadlength size 52. Technical data



Size	52	
Variant	Deadlength	
Run-out ≤ [mm]	0,020	
Max. radial clamping force [kN]	108	
Max. axial compression force [kN]	40	
RPM n max. [1/min.]	7000	
Clamping range [mm]	A	3 – 52
Release stroke in Ø [mm]	C	0,6
Reserve stroke in Ø [mm]	D	1
Range / recommended workpiece tolerance [mm]	± 0,5	
End-stop depth [mm]	E	45,8
Ø Capacity [mm]	BQ	53
End-stop thread size [M]	BG	10
Location front end-stop	F	Ø 119 f7
Centering length [mm]	G	15
Bolt hole circle end-stop	B	LK Ø 136 [3 x M6]
Length [mm]	H	44
Reserve stroke axial [mm]	Q	2
Release stroke axial [mm]	R	2,5

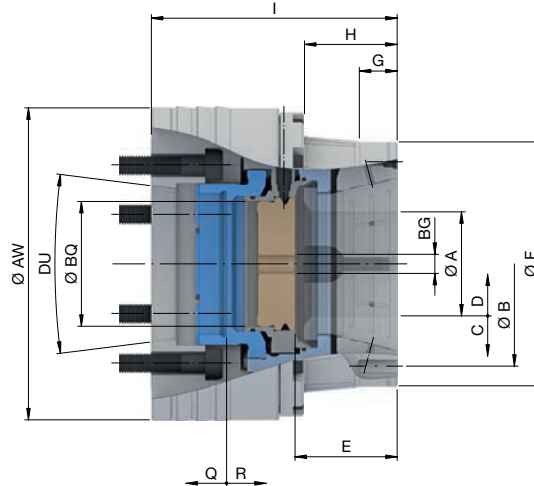
Spindle nose	DU	A2-5		A2-6		A2-8
Total length [mm]	I	122	147	122	147	120
Outer Ø [mm]	AW	149		163		202
Weight [kg]		10,5	12,4	11,5	13,5	15,4
In stock		✓	✓	✓	✓	✓
Material no.		10000811	10000812	10000813	10000814	10000834

Spindle nose	DU	AP110		AP120		AP140
Total length [mm]	I	100	115	105	115	107
Outer Ø [mm]	AW	149		149		149
Weight [kg]		8,9	10,2	9,3	10	9,1
In stock		✓	✓	✓	✓	✓
Material no.		10000831	10000833	10000815	10000816	10000817

Clamping heads	Alignment set	Accessory overview
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TOPlus mini pull-back size 65. Technical data



Size	65	
Variant	Pull-back	
Run-out ≤ [mm]	0,010	
Max. radial clamping force [kN]	120	
Max. axial drawtube force [pull / push] [kN]	45	
RPM n max. [1/min.]	6000	
Clamping range [mm]	A	3 – 65
Release stroke in Ø [mm]	C	0,6
Reserve stroke in Ø [mm]	D	1
Range / recommended workpiece tolerance [mm]	± 0,5	
End-stop depth [mm]	E	54
Ø Capacity [mm]	BQ	66
End-stop thread size [M]	BG	12
Location front end-stop	F	Ø 129 f7
Centering length [mm]	G	20
Bolt hole circle end-stop	B	LK Ø 112 [3 x M8]
Length [mm]	H	49
Reserve stroke axial [mm]	Q	2
Release stroke axial [mm]	R	2,5

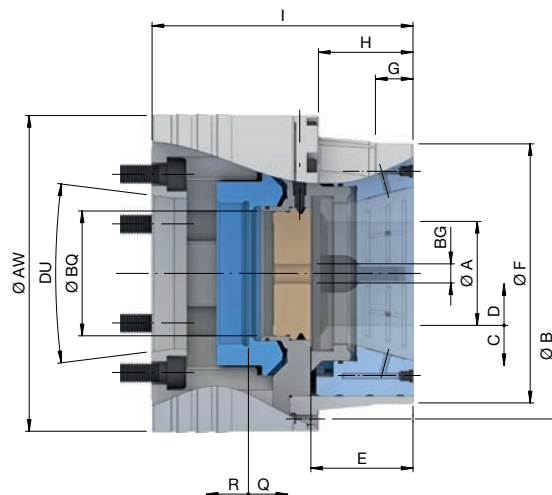
Spindle nose	DU	A2-5			A2-6			A2-8	
Total length [mm]	I	124	130	150	126	130	155	130	155
Outer Ø [mm]	AW	165						204	
Weight [kg]		12,4	13	15,2	11,4	11,7	13,5	15,9	19
In stock		✓	✓	✓	✓	✓	✓	✓	✓
Material no.		10000787	10000740	10000741	10000742	10000743	10000744	10000745	10000746

Spindle nose	DU	AP120		AP140		AP170
Total length [mm]	I	111	120	111	120	115
Outer Ø [mm]	AW	165				180
Weight [kg]		11,3	12,3	10,9	11,7	12,3
In stock		✓	✓	✓	✓	✓
Material no.		10000749	10000750	10000747	10000748	10000751

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TOPlus mini deadlength size 65. Technical data



Size	65	
Variant	Deadlength	
Run-out ≤ [mm]	0,020	
Max. radial clamping force [kN]	120	
Max. axial compression force [kN]	45	
RPM n max. [1/min.]	6000	
Clamping range [mm]	A	3 – 65
Release stroke in Ø [mm]	C	0,6
Reserve stroke in Ø [mm]	D	1
Range / recommended workpiece tolerance [mm]	± 0,5	
End-stop depth [mm]	E	54
Ø Capacity [mm]	BQ	66
End-stop thread size [M]	BG	12
Location front end-stop	F	Ø 137 f7
Centering length [mm]	G	20
Bolt hole circle end-stop	B	LK Ø 154 [3 x M6]
Length [mm]	H	50
Reserve stroke axial [mm]	Q	2
Release stroke axial [mm]	R	2,5

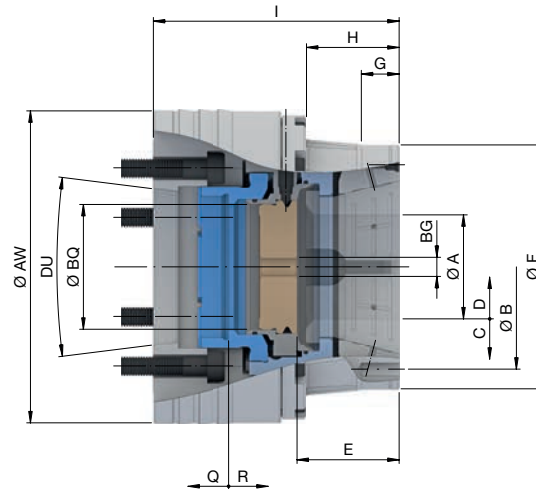
Spindle nose	DU	A2-5		A2-6			A2-8	
Total length [mm]	I	128	138	124	138	163	133	163
Outer Ø [mm]	AW	167		165			202	
Weight [kg]		13,7	14,7	12,6	13,9	16,2	17,2	20,5
In stock		✓	✓	✓	✓	✓	✓	✓
Material no.		10000788	10000789	10000790	10000791	10000792	10000793	10000794

Spindle nose	DU	AP120		AP140		AP170	
Total length [mm]	I	129	138	110	128		
Outer Ø [mm]	AW	167		180			
Weight [kg]		14	14,6	12,8	14,9		
In stock		✓	✓	✓	✓		
Material no.		10000840	10000795	10000836	10000796		

Clamping heads	Alignment set	Accessory overview
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TOPlus mini pull-back size 80. Technical data



Size	80	
Variant	Pull-back	
Run-out ≤ [mm]	0,010	
Max. radial clamping force [kN]	132	
Max. axial drawtube force [pull / push] [kN]	50	
RPM n max. [1/min.]	5500	
Clamping range [mm]	A	4 – 80
Release stroke in Ø [mm]	C	0,6
Reserve stroke in Ø [mm]	D	1
Range / recommended workpiece tolerance [mm]	± 0,5	
End-stop depth [mm]	E	54
Ø Capacity [mm]	BQ	82
End-stop thread size [M]	BG	12
Location front end-stop	F	Ø 150 f7
Centering length [mm]	G	20
Bolt hole circle end-stop	B	LK Ø 130 [3 x M8]
Length [mm]	H	49
Reserve stroke axial [mm]	Q	2
Release stroke axial [mm]	R	2,5

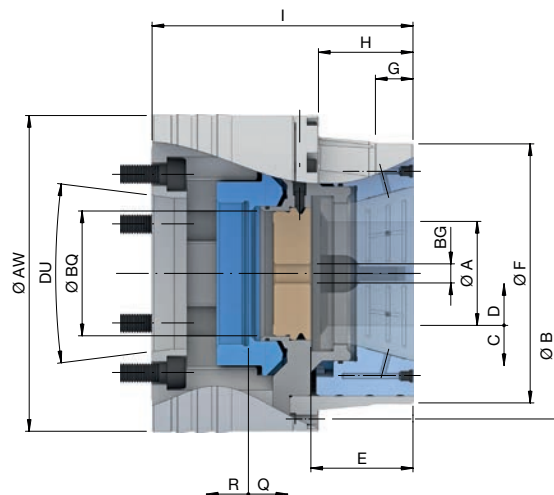
Spindle nose	DU	A2-5		A2-6		A2-8		
Total length [mm]	I	132	128	135	155	132	150	180
Outer Ø [mm]	AW	176					204	
Weight [kg]		15,2	13,9	14,6	16,6	17	19,1	22,6
In stock		✓	✓	✓	✓	✓	✓	✓
Material no.		10017026	10017030	10017031	10017032	10017034	10017038	10017039

Spindle nose	DU	AP140		AP170		AP220	
Total length [mm]	I	132		115			
Outer Ø [mm]	AW	176		180		230	
Weight [kg]		15,3		13		18,7	
In stock		✓		✓		✓	
Material no.		10017040		10017041		10018166	

Clamping heads	Adaptations I.D. clamping	Alignment set	Accessory overview
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TOPlus mini deadlength size 80. Technical data



Size	80	
Variant	Deadlength	
Run-out ≤ [mm]	0,020	
Max. radial clamping force [kN]	132	
Max. axial compression force [kN]	50	
RPM n max. [1/min.]	5500	
Clamping range [mm]	A	4 – 80
Release stroke in Ø [mm]	C	0,6
Reserve stroke in Ø [mm]	D	1
Range / recommended workpiece tolerance [mm]	± 0,5	
End-stop depth [mm]	E	55
Ø Capacity [mm]	BQ	82
End-stop thread size [M]	BG	12
Location front end-stop	F	Ø 160 f7
Centering length [mm]	G	25
Bolt hole circle end-stop	B	LK Ø 175 [9 x M6]
Length [mm]	H	51
Reserve stroke axial [mm]	Q	2
Release stroke axial [mm]	R	2,5

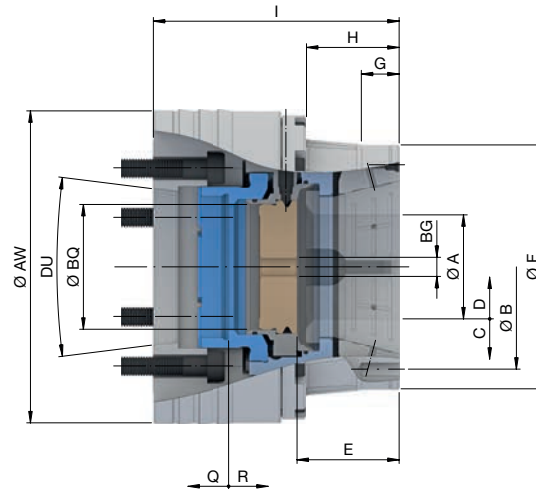
Spindle nose	DU	A2-5	A2-6			A2-8		
Total length [mm]	I	136	130	137	157	132	152	182
Outer Ø [mm]	AW	194		193			205	
Weight [kg]		20	18,2	19,1	21,8	19,3	21,6	24,7
In stock		✓	✓	✓	✓	✓	✓	✓
Material no.		10017043	10017044	10017045	10017046	10017048	10017049	10017050

Spindle nose	DU	AP140	AP170
Total length [mm]	I	134	115
Outer Ø [mm]	AW		193
Weight [kg]		20	16,2
In stock		✓	✓
Material no.		10017051	10017053

Clamping heads	Alignment set	Accessory overview
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TOPlus mini pull-back size 100. Technical data



Size	100	
Variant	Pull-back	
Run-out ≤ [mm]	0,015	
Max. radial clamping force [kN]	172	
Max. axial drawtube force [pull / push] [kN]	65	
RPM n max. [1/min.]	4650	
Clamping range [mm]	A	15 – 100
Release stroke in Ø [mm]	C	1,6
Reserve stroke in Ø [mm]	D	1,5
Range / recommended workpiece tolerance [mm]	± 1,0	
End-stop depth [mm]	E	72
Ø Capacity [mm]	BQ	102
End-stop thread size [M]	BG	12
Location front end-stop	F	Ø 183 f7
Centering length [mm]	G	20
Bolt hole circle end-stop	B	LK Ø 160 [3 x M8]
Length [mm]	H	64
Reserve stroke axial [mm]	Q	3
Release stroke axial [mm]	R	5

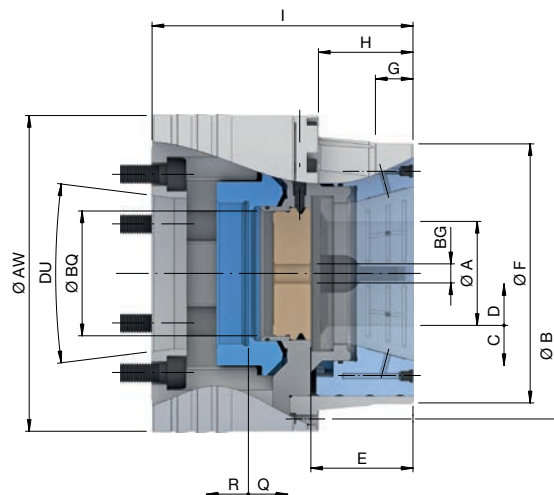
Spindle nose	DU	A2-5	A2-6		A2-8		A2-11	
Total length [mm]	I	160	164	170	162	180		195
Outer Ø [mm]	AW	221				281		
Weight [kg]		27,4	27,9	28,8	25,7	27,9	43,3	47,5
In stock		✓	✓	✓	✓	✓	✓	✓
Material no.		10000772	10000773	10000774	10000775	10000776	10000777	10000778

Spindle nose	DU	AP170		AP220	
Total length [mm]	I	164		150	
Outer Ø [mm]	AW	221		230	
Weight [kg]		28,2		26,3	
In stock		✓		✓	
Material no.		10000779		10000780	

Clamping heads	Adaptations I.D. clamping	Adaptations jaw clamping	Face driver / morse taper	Magnet module	Clamping head adapter	Alignment set	Accessory overview
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TOPlus mini deadlength size 100. Technical data



Size	100	
Variant	Deadlength	
Run-out ≤ [mm]	0,025	
Max. radial clamping force [kN]	172	
Max. axial compression force [kN]	65	
RPM n max. [1/min.]	4650	
Clamping range [mm]	A	15 – 100
Release stroke in Ø [mm]	C	1,6
Reserve stroke in Ø [mm]	D	1,5
Range / recommended workpiece tolerance [mm]	± 1,0	
End-stop depth [mm]	E	74
Ø Capacity [mm]	BQ	102
End-stop thread size [M]	BG	12
Location front end-stop	F	Ø 191 f7
Centering length [mm]	G	30
Bolt hole circle end-stop	B	LK Ø 208 [3 x M6]
Length [mm]	H	64
Reserve stroke axial [mm]	Q	3
Release stroke axial [mm]	R	5

Spindle nose	DU	A2-5	A2-6		A2-8		A2-11	
Total length [mm]	I	171	175	182	169	192	185	200
Outer Ø [mm]	AW	221					276	
Weight [kg]		31,5	31,9	33	29,2	32,6	42,5	45,5
In stock		✓	✓	✓	✓	✓	✓	✓
Material no.		10000818	10000819	10000820	10000821	10000822	10000823	10000824

Spindle nose	DU	AP140		AP170		AP220	
Total length [mm]	I	171	175	162	175	162	162
Outer Ø [mm]	AW	221					
Weight [kg]		32,5	32,3	29,9	32,3	29,9	29,9
In stock		✓	✓	✓	✓	✓	✓
Material no.		10000828	10000825	10000826	10000825	10000826	10000826

Clamping heads	Clamping head adapter	Alignment set	Accessory overview
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