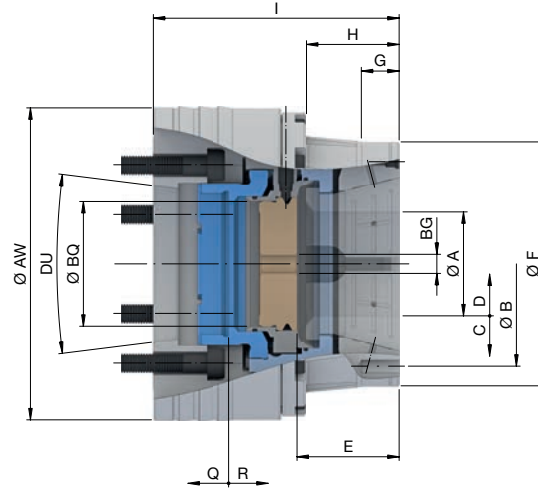




TOPlus mini pull-back size 26. Technical data



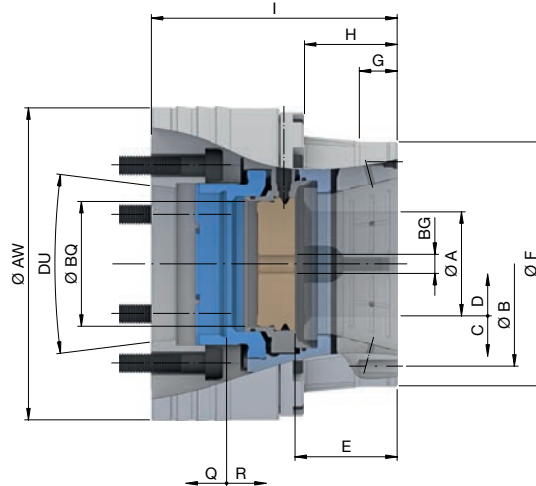
Size	26	
Variant	Pull-back	
Run-out ≤ [mm]	0,010	
Max. radial clamping force [kN]	35	
Max. axial drawtube force [pull / push] [kN]	16	
RPM n max. [1/min.]	10000	
Clamping range [mm]	A	3 – 26
Release stroke in Ø [mm]	C	0,6
Reserve stroke in Ø [mm]	D	0,6
Range / recommended workpiece tolerance [mm]	± 0,3	
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





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

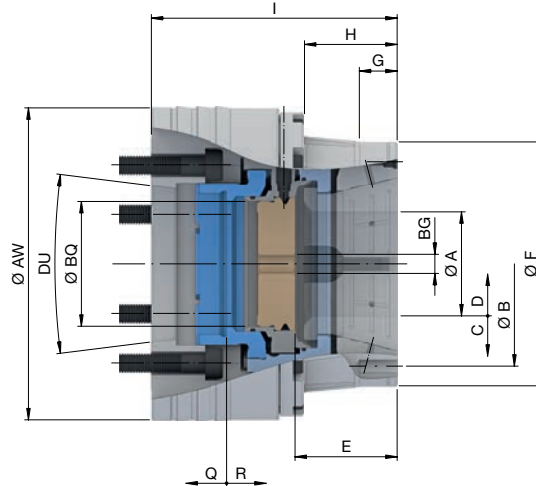
Spindle nose	DU	AP120		AP140
Total length [mm]	I	106	118	106
Outer Ø [mm]	AW	132		150
Weight [kg]		6,4	7	7,9
In stock		✓	✓	✓
Material no.		10000761	10000762	10000786

➔

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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

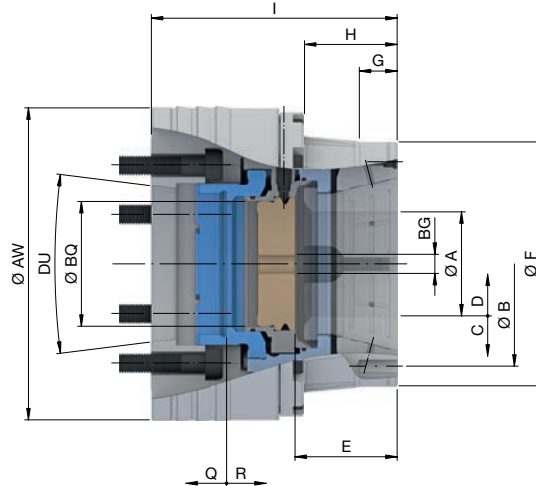
Spindle nose	DU	A2-5		A2-6		A2-8	
Total length [mm]	I	122	145	122	145	120	145
Outer Ø [mm]	AW	149		159		204	
Weight [kg]		10,5	12,4	10,7	12,4	15,7	18,6
In stock		✓	✓	✓	✓	✓	✓
Material no.		10000764	10000765	10000766	10000767	10000784	10000785

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 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

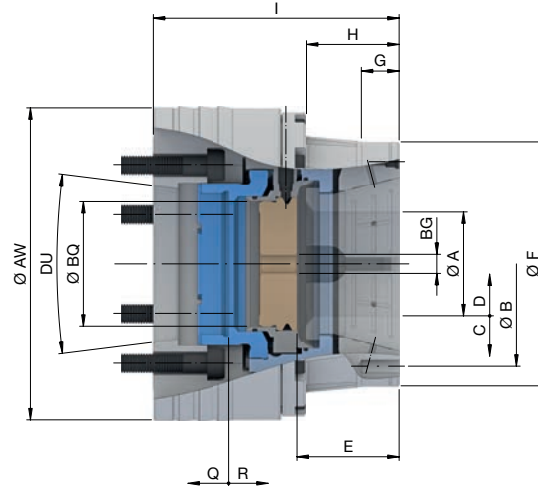
Spindle nose	DU	A2-5			A2-6			A2-8	
Total length [mm]	I	124	130	150	126	130	155	130	155
Outer Ø [mm]	AW	165						204	
Weight [kg]		12,4	13	15,2	11,4	11,7	13,5	15,9	19
In stock		✓	✓	✓	✓	✓	✓	✓	✓
Material no.		10000787	10000740	10000741	10000742	10000743	10000744	10000745	10000746

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 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

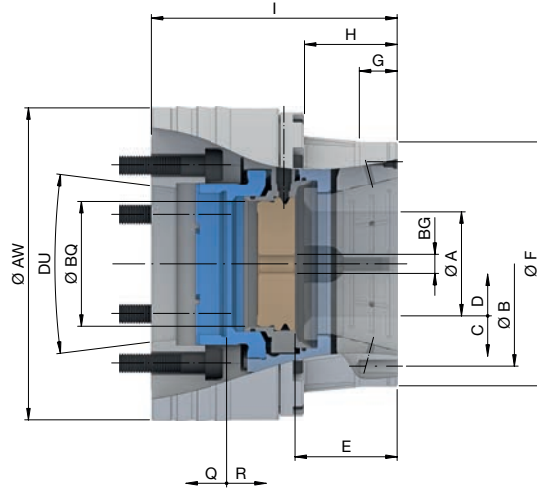
Spindle nose	DU	A2-5		A2-6		A2-8		
Total length [mm]	I	132	128	135	155	132	150	180
Outer Ø [mm]	AW	176				204		
Weight [kg]		15,2	13,9	14,6	16,6	17	19,1	22,6
In stock		✓	✓	✓	✓	✓	✓	✓
Material no.		10017026	10017030	10017031	10017032	10017034	10017038	10017039

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	





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		43,3		47,5
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	

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