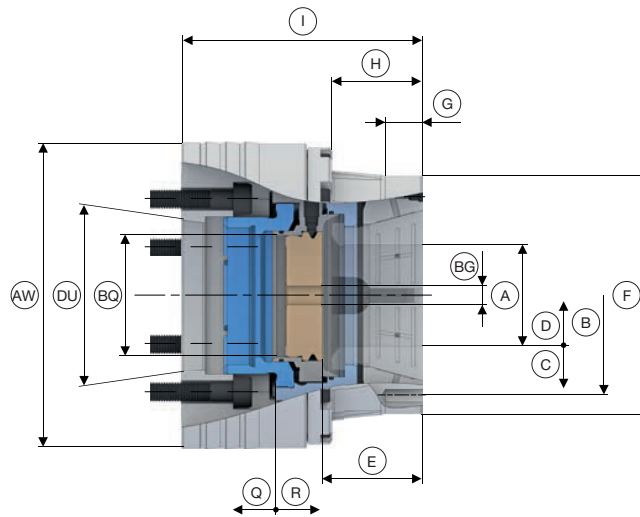




TOPlus mini pull-back size 26. Technical data



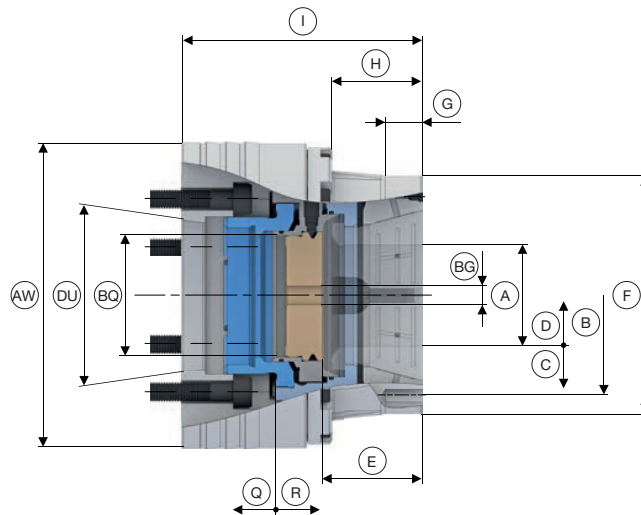
Size	<b>26</b>	
Variant	<b>Pull-back</b>	
Run-out ≤ [mm]	0,015	
Max. radial clamping force [kN]	35	
Max. axial drawtube force [pull / push] [kN]	16	
RPM n max. [1/min.]	10000	
Clamping range [mm]	A	3 – 26
Release stroke in Ø [mm]	C	0,6
Reserve stroke in Ø [mm]	D	0,6
Range / recommended workpiece tolerance [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	
Outer Ø [mm]	AW	114	128
Weight [kg]		4,9	6,3
In stock		✓	✓
Order no.		10784/0013	10784/0014
			10784/0015





TOPlus mini pull-back size 40. Technical data



Size	<b>40</b>	
Variant	<b>Pull-back</b>	
Run-out ≤ [mm]	0,015	
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

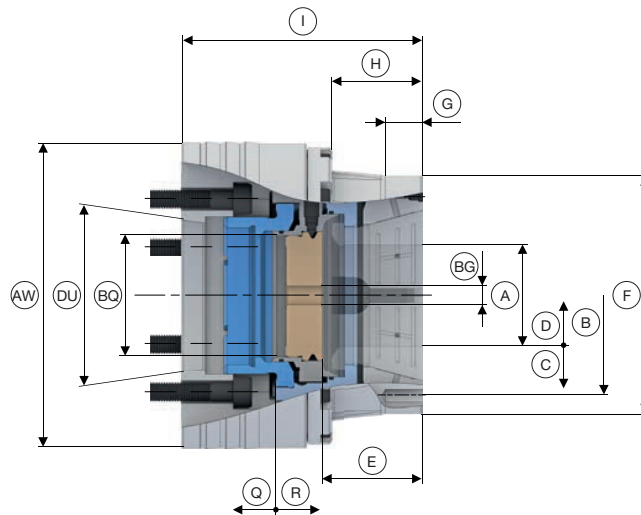
Spindle nose	DU	<b>A2-4</b>		<b>A2-5</b>		<b>A2-6</b>	
<b>Total length [mm]</b>	I	125	117	125	143	124	142
Outer Ø [mm]	AW	132		132		163	
Weight [kg]		7,7	7	7,5	9,5	10	
In stock		✓	✓	✓	✓	✓	✓
Order no.		10784/0016	10784/0017	10784/0018	10784/0019	10784/0020	10784/0021

Spindle nose	DU	<b>AP120</b>		<b>AP140</b>
<b>Total length [mm]</b>	I	106	118	106
Outer Ø [mm]	AW	132		150
Weight [kg]		6,5		8
In stock		✓	✓	✓
Order no.		10784/0022	10784/0023	10784/0047





TOPlus mini pull-back size 52. Technical data



Size	<b>52</b>	
Variant	<b>Pull-back</b>	
Run-out ≤ [mm]	0,015	
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

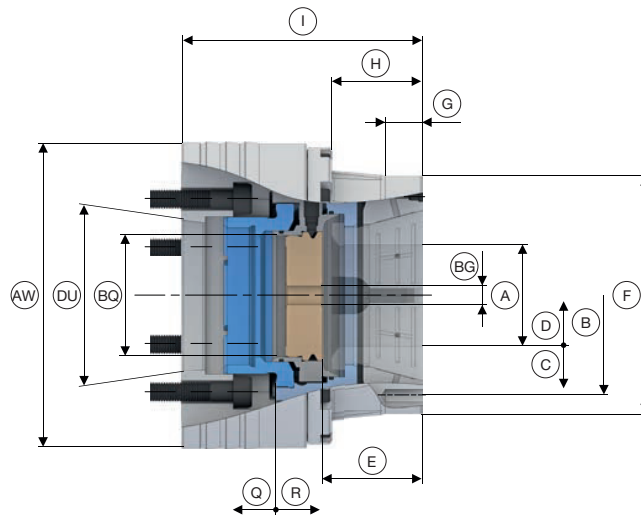
Spindle nose	DU	<b>A2-5</b>		<b>A2-6</b>		<b>A2-8</b>	
Total length [mm]	I	122	145	122	145	120	145
Outer Ø [mm]	AW	149		159		204	
Weight [kg]		10	10,5	11	15,7	16	
In stock		✓	✓	✓	✓	✓	✓
Order no.		10784/0025	10784/0026	10784/0027	10784/0028	10784/0045	10784/0046

Spindle nose	DU	<b>AP110</b>		<b>AP120</b>		<b>AP140</b>	
Total length [mm]	I	120	105	115	105	115	
Outer Ø [mm]	AW	149			150		
Weight [kg]		10,7	10	9,5			
In stock		✓	✓	✓	✓	✓	✓
Order no.		10784/0043	10784/0029	10784/0030	10784/0031	10784/0032	

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**TOPlus mini pull-back size 65. Technical data**



Size	<b>65</b>	
Variant	<b>Pull-back</b>	
Run-out ≤ [mm]	0,015	
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

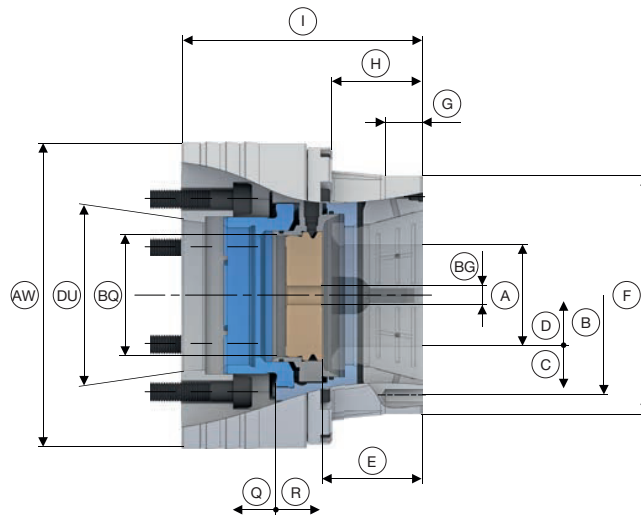
Spindle nose	DU	<b>A2-5</b>			<b>A2-6</b>			<b>A2-8</b>	
Total length [mm]	I	124	130	150	126	130	155	130	155
Outer Ø [mm]	AW	165			11			204	
Weight [kg]		11,5	13		11			16	
In stock		✓	✓	✓	✓	✓	✓	✓	✓
Order no.		10784/0048	10784/0001	10784/0002	10784/0003	10784/0004	10784/0005	10784/0006	10784/0007

Spindle nose	DU	<b>AP120</b>		<b>AP140</b>		<b>AP170</b>
Total length [mm]	I	111	120	111	120	115
Outer Ø [mm]	AW	165		11,8		180
Weight [kg]		12,5		11,8		12,5
In stock		✓	✓	✓	✓	✓
Order no.		10784/0010	10784/0011	10784/0008	10784/0009	10784/0012

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TOPlus mini pull-back size 100. Technical data



Size	<b>100</b>	
Variant	<b>Pull-back</b>	
Run-out ≤ [mm]	0,015	
Max. radial clamping force [kN]	172	
Max. axial drawtube force [pull / push] [kN]	65	
RPM n max. [1/min.]	5000	
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		31,5		281		
Weight [kg]		27	31		43			
In stock		✓	✓	✓	✓	✓	✓	
Order no.		10784/0033	10784/0034	10784/0035	10784/0036	10784/0037	10784/0038	10784/0039

Spindle nose	DU	AP170	AP220
Total length [mm]	I	164	150
Outer Ø [mm]	AW	221	230
Weight [kg]		28	26
In stock		✓	✓
Order no.		10784/0040	10784/0041

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