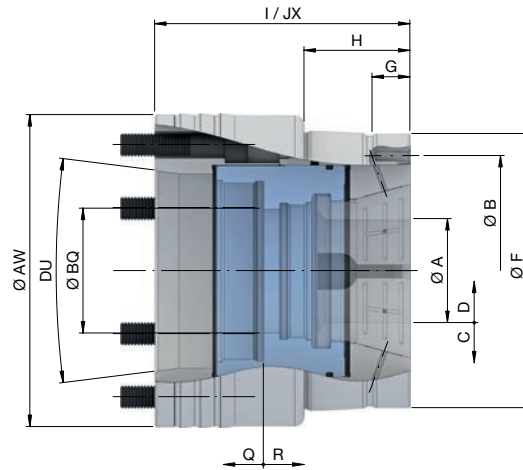




TOPlus modular size 52. Technical data



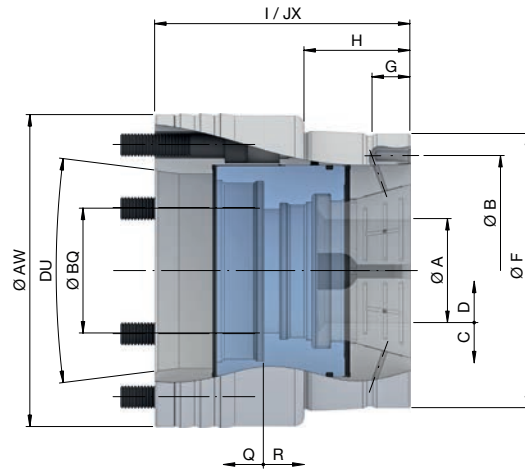
Size	52				
Variant	Modular				
Spindle nose	DU	A2-5	A2-6	AP120	AP140
Run-out ≤ [mm]				0,010	
Max. radial clamping force [kN]				108	
Max. axial drawtube force [pull / push] [kN]				40	
RPM n max. [1/min.]				7000	
Clamping range [mm]	A			3 – 52	
Release stroke in Ø [mm]	C			0,6	
Reserve stroke in Ø [mm]	D			1	
Range / recommended workpiece tolerance [mm]				± 0,5	
Ø Capacity [mm]	BQ			53	
Location front end-stop	F			Ø 125 f7	
Centering length [mm]	G			17	
Bolt hole circle end-stop	B			LK Ø 107 [3 x M6]	
Length [mm]	H			49	
Total length [mm]	I	112			105
Total length with guard plate [mm]	JX	115			108
Reserve stroke axial [mm]	Q			2	
Release stroke axial [mm]	R			2,5	
Outer Ø [mm]	AW	144	165	144	150
Weight [kg]		9	11	9	
In stock		-	-	-	-
Material no.		10001913	10001914	10001915	10001916

Machine spindle standard DIN 55026.  
Total length can be extended via flange.

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**TOPlus modular size 65. Technical data**



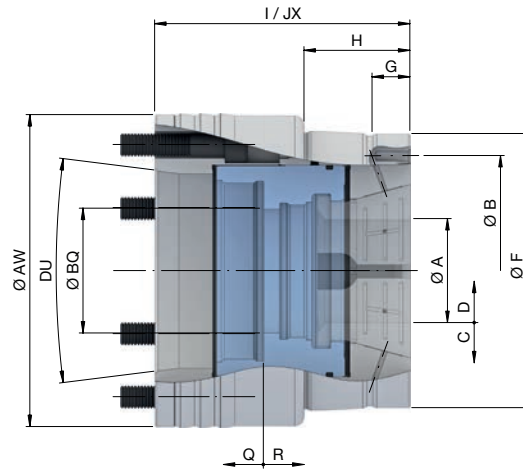
Size	<b>65</b>						
Variant	<b>Modular</b>						
Spindle nose	DU	A2-5	A2-6	A2-8	AP120	AP140	AP170
Run-out ≤ [mm]					0,010		
Max. radial clamping force [kN]					120		
Max. axial drawtube force [pull / push] [kN]					45		
RPM n max. [1/min.]					6000		
Clamping range [mm]	A				3 – 65		
Release stroke in Ø [mm]	C				0,6		
Reserve stroke in Ø [mm]	D				1		
Range / recommended workpiece tolerance [mm]					± 0,5		
Ø Capacity [mm]	BQ				66		
Location front end-stop	F				Ø 145 f7		
Centering length [mm]	G				20		
Bolt hole circle end-stop	B				LK Ø 126 [3 x M6]		
Length [mm]	H				56		
Total length [mm]	I	121	120	121		110	105
Total length with guard plate [mm]	JX	124	123	124		113	108
Reserve stroke axial [mm]	Q				2		
Release stroke axial [mm]	R				2,5		
Outer Ø [mm]	AW	160	165	210		160	184
Weight [kg]		12		17		11	12
In stock		-	-	-	-	-	-
Material no.		10001907	10001908	10001909	10001910	10001911	10001912

Machine spindle standard DIN 55026.  
Total length can be extended via flange.

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TOPlus modular size 100. Technical data



Size	100			
Variant	Modular			
Spindle nose	DU	A2-8	AP170	AP220
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		2	
Reserve stroke in Ø [mm]	D		1,5	
Range / recommended workpiece tolerance [mm]			± 1,0	
Ø Capacity [mm]	BQ		104,5	
Location front end-stop	F		Ø 215 f7	
Centering length [mm]	G		23	
Bolt hole circle end-stop	B		LK Ø 180 [3 x M8]	
Length [mm]	H		68,5	
Total length [mm]	I		149	
Total length with guard plate [mm]	JX		153	
Reserve stroke axial [mm]	Q		3	
Release stroke axial [mm]	R		5	
Outer Ø [mm]	AW	235		240
Weight [kg]		28	31	30
In stock		-	-	-
Material no.		10001917	10001918	10001919

Machine spindle standard DIN 55026.  
Total length can be extended via flange.

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