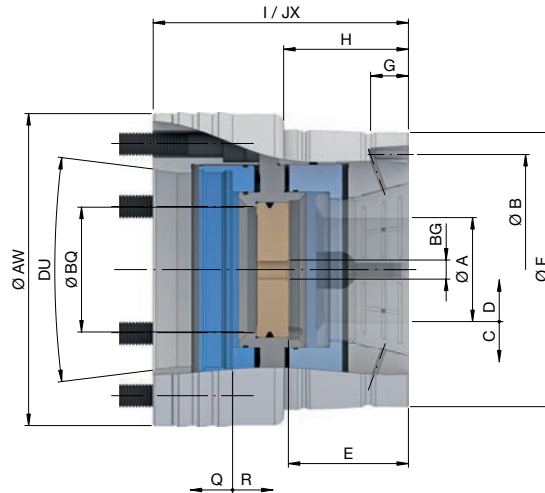




TOPlus combi pull-back size 52. Technical data



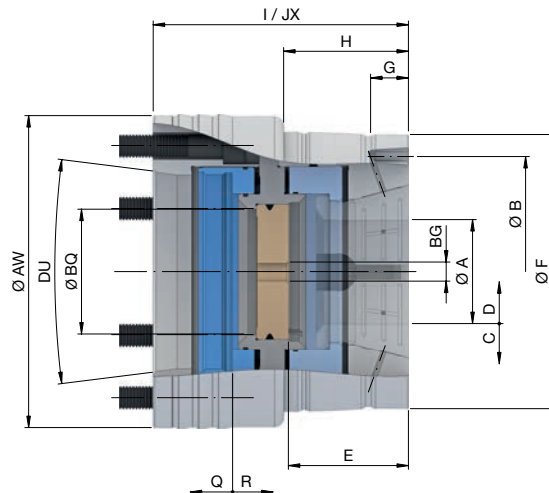
Size	52				
Variant	Combi pull-back				
Spindle nose	DU	A2-5	A2-6	AP120	AP140
Run-out ≤ [mm]				0,010	
Max. radial clamping force [kN]				108	
Max. axial drawtube force [pull / push] [kN]				40	
RPM n max. [1/min.]				7000	
Clamping range [mm]	A			3 – 52	
Release stroke in Ø [mm]	C			0,6	
Reserve stroke in Ø [mm]	D			1	
Range / recommended workpiece tolerance [mm]				± 0,5	
End-stop depth [mm]	E			56,5	
Ø Capacity [mm]	BQ			53	
End-stop thread size [M]	BG			10	
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			59	
Total length [mm]	I	122			115
Total length with guard plate [mm]	JX	125			118
Reserve stroke axial [mm]	Q			2	
Release stroke axial [mm]	R			2,5	
Outer Ø [mm]	AW	144	165	144	150
Weight [kg]		10	12	9	10
In stock		-	-	-	-
Material no.		10001926	10001927	10001928	10001929

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

Clamping heads Page 422	Adaptations I.D. clamping Page 270	Face driver / morse taper Page 324	Magnet module Page 332	Alignment set Page 540	Accessory overview Page 478



TOPlus combi pull-back size 65. Technical data



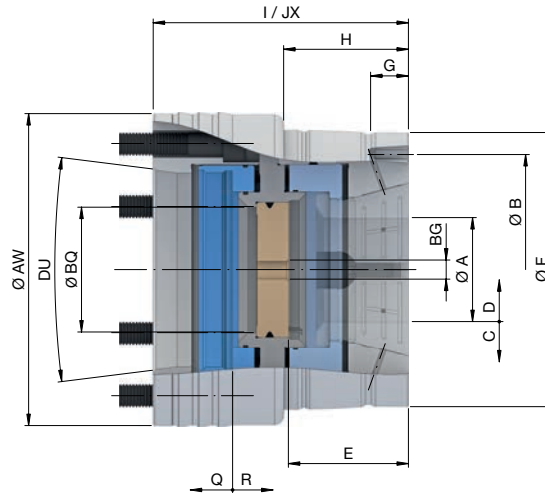
Size	65						
Variant	Combi pull-back						
Spindle nose	DU	A2-5	A2-6	A2-8	AP120	AP140	AP170
Run-out ≤ [mm]					0,010		
Max. radial clamping force [kN]					120		
Max. axial drawtube force [pull / push] [kN]					45		
RPM n max. [1/min.]					6000		
Clamping range [mm]	A				3 – 65		
Release stroke in Ø [mm]	C				0,6		
Reserve stroke in Ø [mm]	D				1		
Range / recommended workpiece tolerance [mm]					± 0,5		
End-stop depth [mm]	E				63,5		
Ø Capacity [mm]	BQ				66		
End-stop thread size [M]	BG				12		
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				66		
Total length [mm]	I	131	130	131	120		115
Total length with guard plate [mm]	JX	134	133	134	123		118
Reserve stroke axial [mm]	Q				2		
Release stroke axial [mm]	R				2,5		
Outer Ø [mm]	AW	160	165	210	160		184
Weight [kg]		14	12	18	12	13	12
In stock		-	-	-	-	-	-
Material no.		10001920	10001921	10001922	10001923	10001924	10001925

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

Clamping heads Page 422	Adaptations I.D. clamping Page 270	Adaptations jaw clamping Page 316	Face driver / morse taper Page 324	Magnet module Page 332	Alignment set Page 540	Accessory overview Page 478



TOPlus combi pull-back size 100. Technical data



Size	100					
Variant	Combi pull-back					
Spindle nose	DU	A2-6	A2-8	A2-11	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	1,6		2		1,6
Reserve stroke in Ø [mm]	D			1,5		
Range / recommended workpiece tolerance [mm]				± 1,0		
End-stop depth [mm]	E			73		
Ø Capacity [mm]	BQ			101		
End-stop thread size [M]	BG			12		
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			78,5		
Total length [mm]	I	155	159	165		159
Total length with guard plate [mm]	JX	159	163	169		163
Reserve stroke axial [mm]	Q			3		
Release stroke axial [mm]	R			5		
Outer Ø [mm]	AW		235		235	240
Weight [kg]		33	32	42	32	35
In stock		-	-	-	-	-
Material no.		10001930	10001931	10001935	10001932	10001933

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

Clamping heads Page 422	Adaptations I.D. clamping Page 270	Adaptations jaw clamping Page 316	Face driver / morse taper Page 324	Magnet module Page 332	Clamping head adapter Page 513	Alignment set Page 540	Accessory overview Page 478