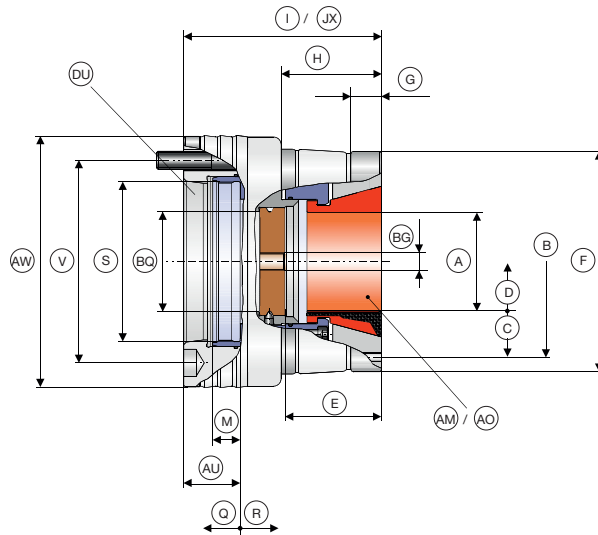




TOPlus combi pull-back size 52. Technical data



Size	52				
Variant	Combi pull-back				
Spindle nose	DU	A2-5	A2-6	AP120	AP140
Concentricity [mm]				0,015	
Max. radial clamping force [kN]				108	
Max. axial drawtube force [kN]				40	
RPM n max. [1/min.]				7000	
Clamping range [mm]	A			4 – 52	
Release stroke in Ø [mm]	C			0,6	
Reserve stroke in Ø [mm]	D			1,0	
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
Connecting thread inside	S	M72 x 1,5	M85 x 1,5		M72 x 1,5
Depth of thread [mm]	M	17	16		17
Position in clamped position [mm]	AU		35,5		28,5
Reserve stroke axial [mm]	Q			2,0	
Release stroke axial [mm]	R			2,5	
Clamping head serrated	AM			TOP 52	
Clamping head smooth	AO			TOP 52 G	
Bolt hole circle	V	LK Ø 104,8 [6 x M10]	LK Ø 133,4 [6 x M12]		LK Ø 104,8 [6 x M10]
Outer Ø [mm]	AW	144	165	144	150
Weight [kg]		10	12	9	10
In stock		✓	✓	✓	✓
Order no.		2902/0007	2902/0008	2902/0009	2902/0010

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

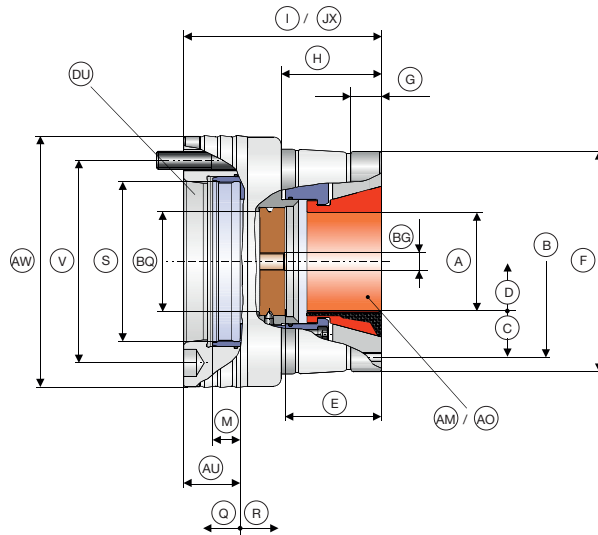
Clamping heads	Changing fixtures	End-stop systems	End-stop blanks	Adaptations I.D. clamping	Face driver
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STANDARD CHUCKS

TOPlus chuck



TOPlus combi pull-back size 65. Technical data



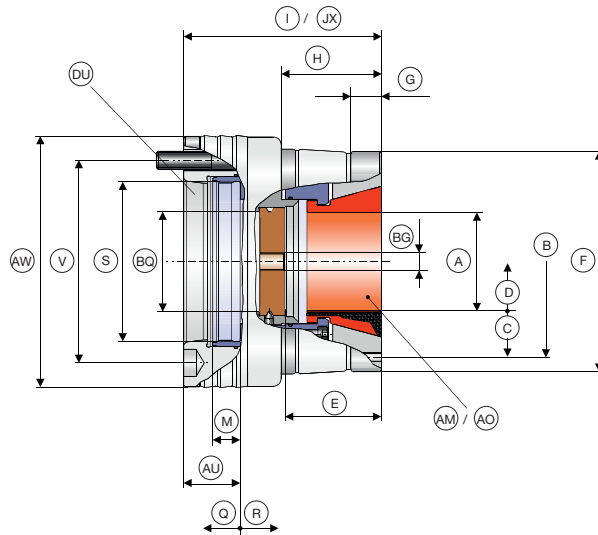
Size	65						
Variant	Combi pull-back						
Spindle nose	DU	A2-5	A2-6	A2-8	AP120	AP140	AP170
Concentricity [mm]					0,015		
Max. radial clamping force [kN]					120		
Max. axial drawtube force [kN]					45		
RPM n max. [1/min.]					6000		
Clamping range [mm]	A				4 – 65		
Release stroke in Ø [mm]	C				0,6		
Reserve stroke in Ø [mm]	D				1,0		
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
Connecting thread inside	S	M72 x 1,5	M105 x 1,5			M72 x 1,5	M105 x 1,5
Depth of thread [mm]	M				18		
Position in clamped position [mm]	AU	34	37	38		23	22
Reserve stroke axial [mm]	Q				2		
Release stroke axial [mm]	R				2,5		
Clamping head serrated	AM				TOP 65		
Clamping head smooth	AO				TOP 65 G		
Bolt hole circle	V	LK Ø 104,8 [6 x M10]	LK Ø 133,4 [6 x M12]	LK Ø 171,4 [6 x M16]		LK Ø 104,8 [6 x M10]	LK Ø 133,4 [6 x M12]
Outer Ø [mm]	AW	160	165	210		160	184
Weight [kg]		14	12	18	12	13	12
In stock		✓	✓	✓	✓	✓	✓
Order no.		2902/0001	2902/0002	2902/0003	2902/0004	2902/0005	2902/0006

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

Clamping heads	Changing fixtures	End-stop systems	End-stop blanks	Adaptations I.D. clamping	Adaptations jaw clamping	Face driver	Spring ejector
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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
Concentricity [mm]				0,015		
Max. radial clamping force [kN]				172		
Max. axial drawtube force [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		
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
Connecting thread inside	S			M135 x 1,5		
Depth of thread [mm]	M			18		
Position in clamped position [mm]	AU	44,5	48,5	54,5		48,5
Reserve stroke axial [mm]	Q			3		
Release stroke axial [mm]	R			5		
Clamping head serrated	AM			TOP 100		
Clamping head smooth	AO			TOP 100 G		
Bolt hole circle	V	LK Ø 133,4 [6 x M12]	LK Ø 171,4 [6 x M16]	LK Ø 235 [6 x M20]	LK Ø 133,4 [6 x M12]	LK Ø 171,4 [6 x M16]
Outer Ø [mm]	AW		235	280	235	240
Weight [kg]		33	32	42	32	35
In stock		✓	✓	✓	✓	✓
Order no.		2902/0011	2902/0012	2902/0020	2902/0013	2902/0014

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

Clamping heads	Changing fixtures	End-stop systems	End-stop blanks	Adaptations I.D. clamping	Adaptations jaw clamping	Face driver
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