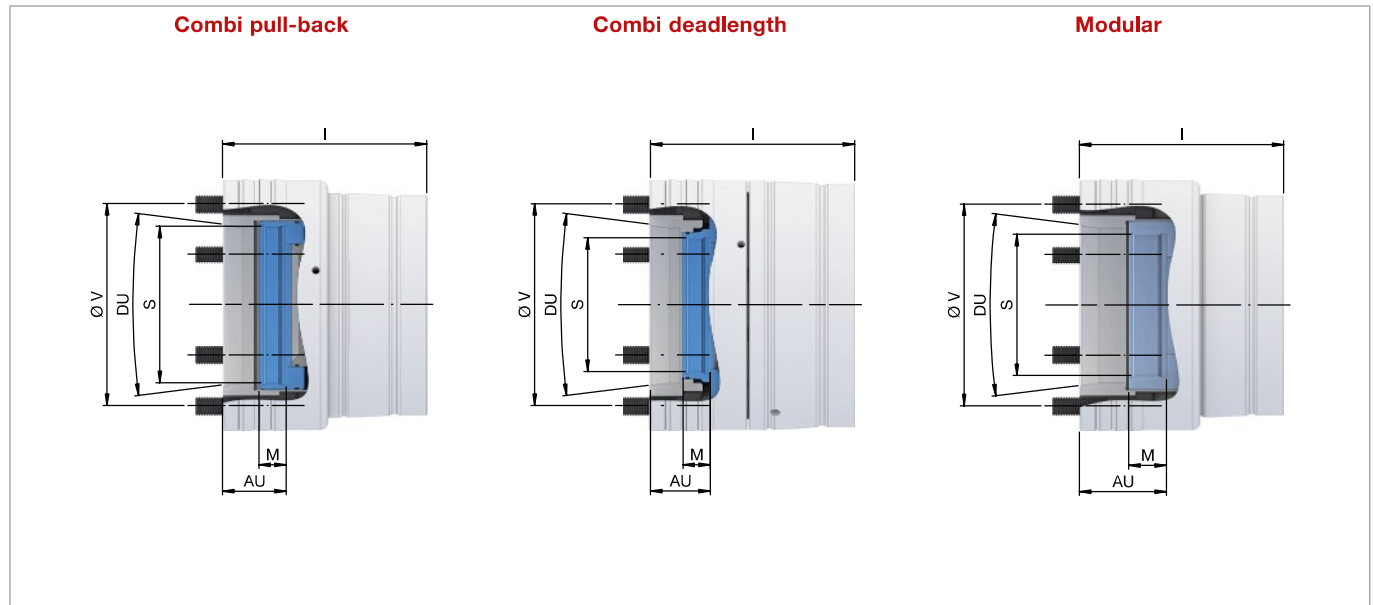


SPINDLE CONNECTION DATA

TOPlus chuck

TOPlus. Spindle connection data



Size	52				
Variant	Combi pull-back				
Spindle nose	DU	KK5	KK6	AP120	AP140
Total length [mm]	I	122			115
Depth of thread [mm]	M	17	16	17	
Connecting thread inside	S	M72 x 1,5	M85 x 1,5	M72 x 1,5	
Position in clamped position [mm]	AU	35,5			28,5
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]	
Material		10001926	10001927	10001928	10001929

Size	52				
Variant	Combi deadlength				
Spindle nose	DU	KK5	KK6	AP120	AP140
Total length [mm]	I	120			110
Depth of thread [mm]	M	15,5			
Connecting thread inside	S	M76 x 1,5			
Position in clamped position [mm]	AU	34			24
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]	
Material		10001945	10001946	10001947	10001948

Size	52				
Variant	Modular				
Spindle nose	DU	KK5	KK6	AP120	AP140
Total length [mm]	I	112			105
Depth of thread [mm]	M	16			
Connecting thread inside	S	M78 x 1,5			
Position in clamped position [mm]	AU	44,5			37,5
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]	
Material		10001913	10001914	10001915	10001916

Size	65						
Variant	Combi pull-back						
Spindle nose	DU	KK5	KK6	KK8	AP120	AP140	AP170
Total length [mm]	I	131	130	131	120		115
Depth of thread [mm]	M	18					
Connecting thread inside	S	M72 x 1,5	M105 x 1,5		M72 x 1,5		M105 x 1,5
Position in clamped position [mm]	AU	34	37	38	23		22
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]
Material		10001920	10001921	10001922	10001923	10001924	10001925

SPINDLE CONNECTION DATA
TOPlus chuck

Size		65				
Variant		Combi deadlength				
Spindle nose	DU	KK5	KK6	KK8	AP140	AP170
Total length [mm]	I	135			125	
Depth of thread [mm]	M	18				
Connecting thread inside	S	M90 x 1,5				
Position in clamped position [mm]	AU	39,5			29,5	
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]
Material		10001936	10001937	10001938	10001939	10001940

Size		65					
Variant		Modular					
Spindle nose	DU	KK5	KK6	KK8	AP120	AP140	AP170
Total length [mm]	I	121	120	121	110		105
Depth of thread [mm]	M	18	25	18			
Connecting thread inside	S	M78 x 1,5	M95 x 1,5	M78 x 1,5			
Position in clamped position [mm]	AU	49,5	42,5	49,5	38,5		33,5
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]
Material		10001907	10001908	10001909	10001910	10001911	10001912

Size		100				
Variant		Combi pull-back				
Spindle nose	DU	KK6	KK8	KK11	AP170	AP220
Total length [mm]	I	155	159	165	159	
Depth of thread [mm]	M	18				
Connecting thread inside	S	M135 x 1,5				
Position in clamped position [mm]	AU	44,5	48,5	54,5	48,5	
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]
Material		10001930	10001931	10001935	10001932	10001933

Size		100			
Variant		Combi deadlength			
Spindle nose	DU	KK6	KK8	AP170	AP220
Total length [mm]	I	175		180	170
Depth of thread [mm]	M	21	22,5		
Connecting thread inside	S	M92 x 1,5	M125 x 1,5		
Position in clamped position [mm]	AU	47,5	46,5	51,5	41,5
Bolt hole circle	V	LK Ø 133,4 [6 x M12]	LK Ø 171,4 [6 x M16]	LK Ø 133,4 [6 x M12]	LK Ø 171,4 [6 x M16]
Material		10001941	10001942	10001943	10001944

Size		100		
Variant		Modular		
Spindle nose	DU	KK8	AP170	AP220
Total length [mm]	I	149		
Depth of thread [mm]	M	30		
Connecting thread inside	S	M150 x 1,5		
Position in clamped position [mm]	AU	60		
Bolt hole circle	V	LK Ø 171,4 [6 x M16]	LK Ø 133,4 [6 x M12]	LK Ø 171,4 [6 x M16]
Material		10001917	10001918	10001919