



SPANNTOP

The original, that wrote workholding history





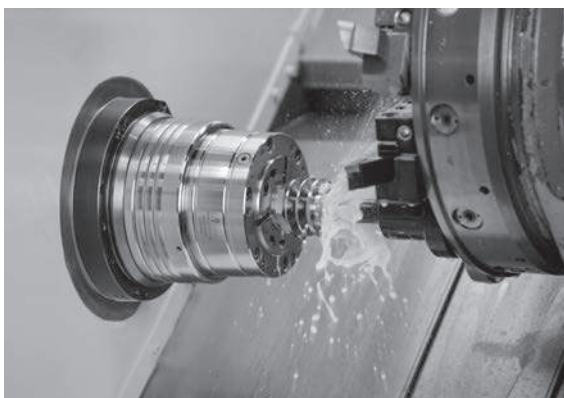
SPANNTOP nova – this development represents more than 30 years of SPANNTOP experience. It exploits all the advantages of the latest machine tools. The components are optimized for balance quality, and have an extended guide length. The clamping length of the workpieces is also significantly greater. This chuck is designed for maximum RPM and holding power at ideal run-out accuracy. It is extremely rigid, precise, and has an extremely long life.

The position-oriented base end-stop of the »combi pull-back« and »combi deadlength« variants can be conveniently changed from the outside via three clamping screws countersunk in the chuck, and for standard chucks, provides excellent accuracy for face location combined with through-bore capacity.

SPANNTOP nova: reliable and solid. The product is the result of more than 30 years of experience!

Key advantages

- Ideal for customers with existing RD clamping heads
- Typical features of all HAINBUCH power chucks, such as high holding power, parallel clamping with high accuracy and easy set-up
- Minimal inertia loss compared to 3-jaw chucks



SPANNTOP nova combi pull-back chuck in use



SPANNTOP nova chuck types

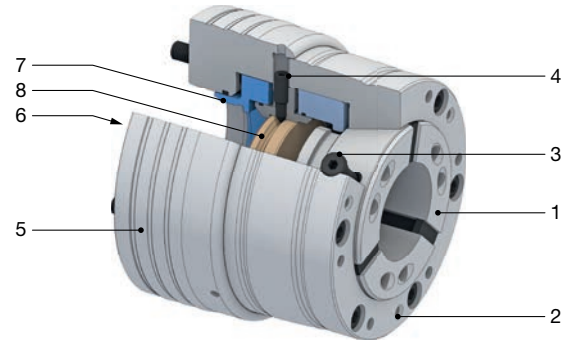
	SPANNTOP nova combi pull-back 	SPANNTOP nova combi deadlength 	SPANNTOP nova modular 
Description	Workpiece clamping with pull-back effect. Chuck with dismountable end-stop plate. Without end-stop plate ideal for machining pipes and bars.	Workpiece clamping without pull-back effect. Chuck with dismountable end-stop plate. It is also frequently used on the sub spindle.	Through-bore chuck only – ideal for machining pipes and bars.
Advantages	■ Workpiece stabilization through axial draw force applied against the workpiece end-stop ■ Prepared for inside and front end-stop ■ Converts to a fully functional »bar chuck« when the end-stop plate is removed	■ Workpiece clamping without axial movement of the clamping head ■ Clamps workpieces with a short collar or shoulder ■ Suitable for pick-off without pull-back effect ■ Prepared for inside and front end-stop ■ Converts to a fully functional »bar chuck« when the end-stop plate is removed	■ Fully-functional bar chuck ■ Due to pull-back effect significantly more rigid clamping is achieved than by conventional collets ■ Higher RPM and metal removal rates for bar work
Clamping elements	 Clamping head RD	 Clamping head RD	 Clamping head RD
Adaptations	 MANDO Adapt T211 RD [Mandrel-in-clamping-device, with draw bolt]  MANDO Adapt T212 RD [Mandrel-in-clamping-device, without draw bolt]  Jaw module RD [Adaptation for jaw clamping]  Face driver RD / Morse taper adapter RD [Adaptation for clamping between centers]  Magnet module RD [Adaptation for magnetic clamping]	 MANDO Adapt T812 RD [Mandrel-in-clamping-device, without draw bolt]	 MANDO Adapt T211 RD [Mandrel-in-clamping-device, with draw bolt]  MANDO Adapt T212 RD [Mandrel-in-clamping-device, without draw bolt]  Jaw module RD [Adaptation for jaw clamping]  Face driver RD / Morse taper adapter RD [Adaptation for clamping between centers]  Magnet module RD [Adaptation for magnetic clamping]



SPANNTOP nova combi pull-back in detail

Designation

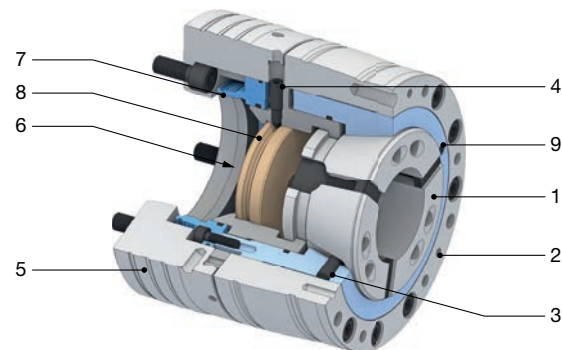
- 1 Vulcanized clamping head with hardened steel segments and pull-back
- 2 Mounting threads for front end-stop
- 3 Torsional safety lock of the clamping head
- 4 Clamping screw for base end-stop, easy mounting through external actuation
- 5 Spindle flange
- 6 Full through-bore after removing the base end-stop plate
- 7 Mounting thread for drawtube connection
- 8 Fixed base end-stop for clamping with pull-back effect, central mounting thread for workpiece specific end-stop



SPANNTOP nova combi deadlength in detail

Designation

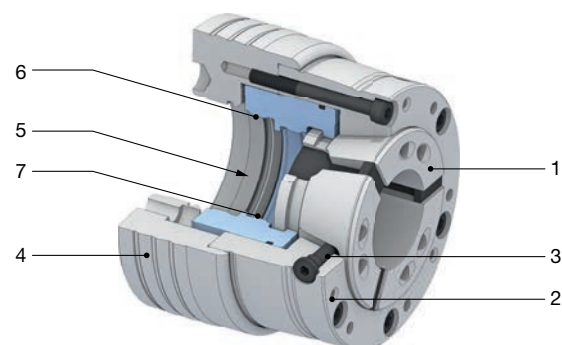
- 1 Vulcanized clamping head with hardened steel segments
- 2 Mounting threads for front end-stop
- 3 Torsional safety lock of the clamping head
- 4 Clamping screw for base end-stop, easy mounting through external actuation
- 5 Spindle flange
- 6 Full through-bore after removing the base end-stop plate
- 7 Mounting thread for drawtube connection
- 8 Fixed base end-stop with central mounting thread for workpiece specific end-stop
- 9 Central grease nipple, optimum tool life and holding power due to perfect lubrication



SPANNTOP nova modular in detail

Designation

- 1 Vulcanized clamping head with hardened steel segments and pull-back
- 2 Mounting threads for front end-stop
- 3 Torsional safety lock of the clamping head
- 4 Spindle flange
- 5 Full chuck passage for bar work
- 6 Mounting thread for drawtube connection
- 7 Mounting thread for guide rings, introduction, spring ejectors, etc.



CHUCKS

SPANNTOP nova chuck



Order overview. SPANNTOP nova chuck

					Clamping elements and adaptations						
Size	Variant	Spindle nose	Material no.	In stock							
					Clamping head RD	MANDO Adapt T211 RD	MANDO Adapt T212 RD	MANDO Adapt T812 RD	Jaw module RD	Face driver / morse taper adapter RD	Magnet module RD
					Page 430	Page 290	Page 296	Page 308	Page 316	Page 324	Page 332
32	Combi pull-back	A2-4	10001768	-							
		A2-5	10001769	-							
	Combi deadlength	A2-4	10001810	-	✓						
		A2-5	10001811	-							
	Modular	A2-4	10001739	-							
		A2-5	10001740	-							
42	Combi pull-back	A2-4	10001792	-							
		A2-5	10001770	-							
		A2-6	10001771	-	✓	✓	✓			✓	
		AP120	10001781	-							
		AP140	10001782	-							
	Combi deadlength	A2-5	10001812	-							
		A2-6	10001813	-	✓			✓			
		AP140	10001823	-							
	Modular	A2-5	10001741	-							
		A2-6	10001742	-							
		AP120	10001751	-	✓	✓	✓			✓	
		AP140	10001752	-							
52	Combi pull-back	A2-5	10001772	-							
		A2-6	10001773	-	✓	✓	✓			✓	✓
		AP120	10001783	-							
		AP140	10001784	-							
	Combi deadlength	A2-5	10001814	-							
		A2-6	10001815	-	✓			✓			
		AP120	10001830	-							
		AP140	10001824	-							
	Modular	A2-5	10001743	-							
		A2-6	10001744	-	✓	✓	✓			✓	✓
		AP120	10001753	-							
		AP140	10001754	-							
65	Combi pull-back	A2-5	10001774	-							
		A2-6	10001775	-							
		A2-8	10001776	-							
		AP120	10001785	-	✓	✓	✓		✓	✓	✓
		AP140	10001786	-							
		AP170	10001787	-							

Detailed technical data follows.

For more connection data please visit www.hainbuch.com



Order overview. SPANNTOP nova chuck

					Clamping elements and adaptations						
Size	Variant	Spindle nose	Material no.	In stock							
					Page 430	Page 290	Page 296	Page 308	Page 316	Page 324	Page 332
65	Combi deadlength	A2-5	10001816	-							
		A2-6	10001817	-							
		A2-8	10001818	-	✓			✓			
		AP140	10001825	-							
		AP170	10001826	-							
	Modular	A2-5	10001745	-							
		A2-6	10001746	-							
		A2-8	10001747	-	✓	✓	✓		✓	✓	✓
		AP120	10001755	-							
		AP140	10001756	-							
		AP170	10001757	-							
80	Combi pull-back	A2-5	10001803	-							
		A2-6	10001777	-							
		A2-8	10001778	-	✓	✓	✓		✓	✓	✓
		AP170	10001788	-							
		AP220	10001789	-							
	Combi deadlength	A2-6	10001819	-				✓			
		A2-8	10001820	-	✓						
		AP140	10001827	-							
	Modular	A2-6	10001748	-							
		A2-8	10001749	-	✓	✓	✓		✓	✓	✓
		AP220	10001758	-							
100	Combi pull-back	A2-6	10001779	-							
		A2-8	10001780	-							
		A2-11	10001793	-	✓	✓	✓		✓	✓	✓
		AP170	10001790	-							
		AP220	10001791	-							
	Combi deadlength	A2-6	10001821	-							
		A2-8	10001822	-							
		A2-11	10001837	-	✓						
		AP170	10001828	-							
		AP220	10001829	-							
	Modular	A2-8	10001750	-							
		A2-11	10001761	-	✓	✓	✓		✓	✓	✓
		AP170	10001759	-							
		AP220	10001760	-							

Detailed technical data follows.

For more connection data please visit www.hainbuch.com

CHUCKS

SPANNTOP nova chuck



Order overview. SPANNTOP nova chuck

					Clamping elements and adaptations						
											
Size	Variant	Spindle nose	Material no.	In stock	Clamping head RD	MANDO Adapt T211 RD	MANDO Adapt T212 RD	MANDO Adapt T812 RD	Jaw module RD	Face driver / morse taper adapter RD	Magnet module RD
					Page 430	Page 290	Page 296	Page 308	Page 316	Page 324	Page 332
125	Combi pull-back	A2-6	10001804	✓	✓		✓				
		A2-8	10001805	✓							
		A2-11	10001806	✓							
		AP170	10001807	✓							
		AP220	10001808	✓							
	Combi deadlength	A2-6	10001832	✓	✓						
		A2-8	10001833	✓							
		A2-11	10001834	✓							
		AP170	10001835	✓							
		AP220	10001836	✓							
	Modular	A2-6	10001763	✓	✓		✓				
		A2-8	10001764	✓							
		A2-11	10001765	✓							
		AP170	10001766	✓							
		AP220	10001767	✓							
160	Combi pull-back	A2-6	10014974	✓	✓						
		A2-8	10014977	✓							
		A2-11	10014978	✓							
		AP170	10014979	✓							
		AP220	10014980	✓							

Detailed technical data follows.

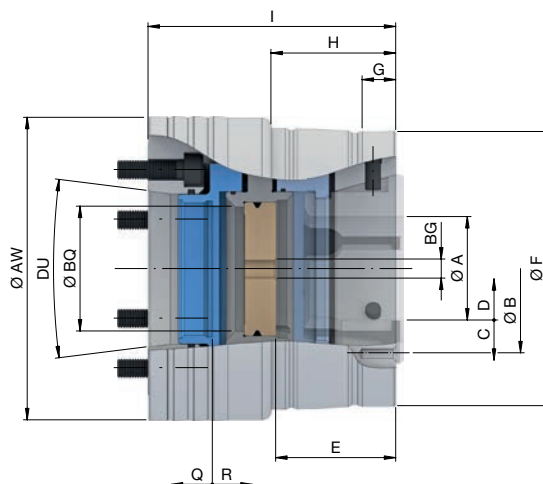
For more connection data please visit www.hainbuch.com

Scope of delivery

- Chuck
- Base end-stop [depending on the variant]



SPANNTOP nova combi pull-back size 32. Technical data



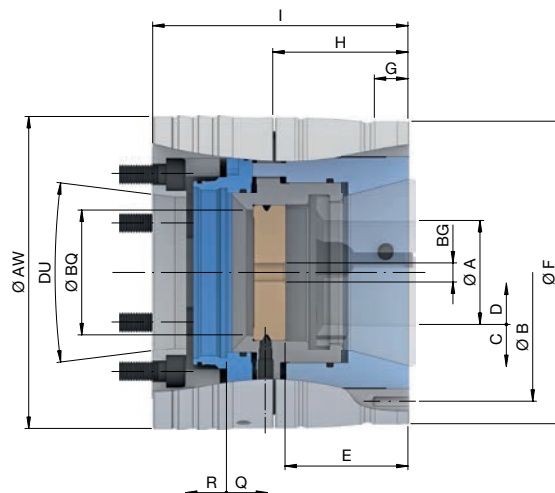
Size	32		
Variant	Combi pull-back		
Spindle nose	DU	A2-4	A2-5
Run-out ≤ [mm]		0,010	
Max. radial clamping force [kN]		70	
Max. axial drawtube force [pull / push] [kN]		25	
RPM n max. [1/min.]		8000	
Clamping range [mm]	A	3 – 32	
Release stroke in Ø [mm]	C	0,6	
Reserve stroke in Ø [mm]	D	1	
Range / recommended workpiece tolerance [mm]		± 0,3	
End-stop depth [mm]	E	52,5	
Ø Capacity [mm]	BQ	33	
End-stop thread size [M]	BG	10	
Location front end-stop	F	Ø 75 f7	
Centering length [mm]	G	14	
Bolt hole circle end-stop	B	LK Ø 67 [3 x M4]	
Length [mm]	H	55	
Total length [mm]	I	117	
Reserve stroke axial [mm]	Q	2,5	
Release stroke axial [mm]	R	3	
Outer Ø [mm]	AW	115	135
Weight [kg]		6	7
In stock		-	-
Material no.		10001768	10001769

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





SPANNTOP nova combi deadlength size 32. Technical data



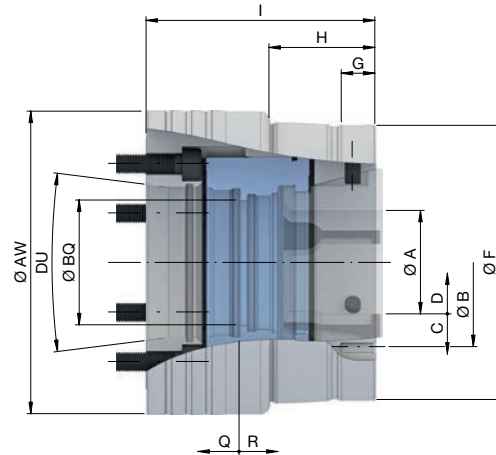
Size	32	
Variant	Combi deadlength	
Spindle nose	DU	
Run-out ≤ [mm]	A2-4	A2-5
Max. radial clamping force [kN]	0,020	
Max. axial compression force [kN]	70	
RPM n max. [1/min.]	25	
Clamping range [mm]	8000	
Release stroke in Ø [mm]	3 – 32	
Reserve stroke in Ø [mm]	0,6	
Range / recommended workpiece tolerance [mm]	1	
End-stop depth [mm]	± 0,3	
Ø Capacity [mm]	53,5	
End-stop thread size [M]	33	
Location front end-stop	10	
Centering length [mm]	Ø 100 f7	
Bolt hole circle end-stop	10	
Length [mm]	LK Ø 92,5 [3 x M4]	
Total length [mm]	60	
Reserve stroke axial [mm]	120	
Release stroke axial [mm]	2,5	
Outer Ø [mm]	3	
Weight [kg]	145	
In stock	10	
Material no.	10001810	10001811

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





SPANNTOP nova modular size 32. Technical data



Size	32		
Variant	Modular		
Spindle nose	DU	A2-4	A2-5
Run-out ≤ [mm]		0,010	
Max. radial clamping force [kN]		70	
Max. axial drawtube force [pull / push] [kN]		25	
RPM n max. [1/min.]		8000	
Clamping range [mm]	A	3 – 32	
Release stroke in Ø [mm]	C	0,6	
Reserve stroke in Ø [mm]	D	1	
Range / recommended workpiece tolerance [mm]		± 0,3	
Ø Capacity [mm]	BQ	34	
Location front end-stop	F	Ø 75 f7	
Centering length [mm]	G	14	
Bolt hole circle end-stop	B	LK Ø 67 [3 x M4]	
Length [mm]	H	45	
Total length [mm]	I	107	
Reserve stroke axial [mm]	Q	2,5	
Release stroke axial [mm]	R	3	
Outer Ø [mm]	AW	115	135
Weight [kg]		5	6
In stock		-	-
Material no.		10001739	10001740

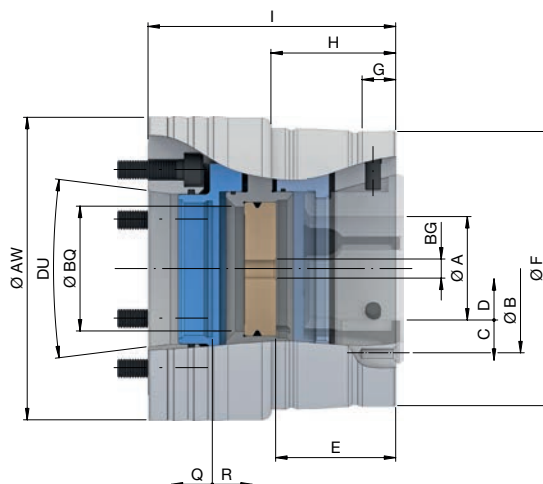
Machine spindle standard DIN 55026.
Total length can be extended via flange.



	
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SPANNTOP nova combi pull-back size 42. Technical data



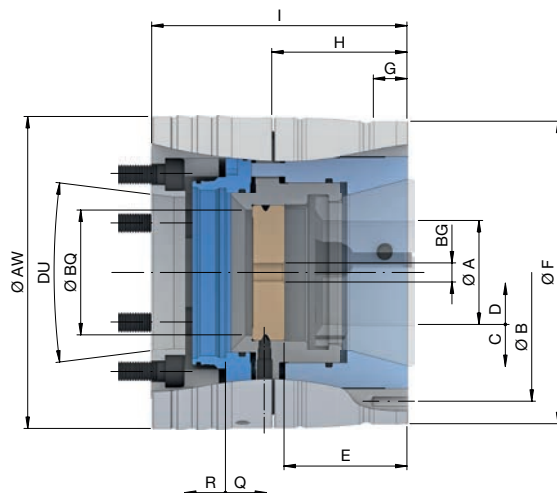
Size	42				
Variant	Combi pull-back				
Spindle nose	DU	A2-4	A2-5	A2-6	AP120 AP140
Run-out ≤ [mm]				0,010	
Max. radial clamping force [kN]				80	
Max. axial drawtube force [pull / push] [kN]				35	
RPM n max. [1/min.]				7000	
Clamping range [mm]	A			3 – 42	
Release stroke in Ø [mm]	C			0,6	
Reserve stroke in Ø [mm]	D			1	
Range / recommended workpiece tolerance [mm]				± 0,5	
End-stop depth [mm]	E			56,5	
Ø Capacity [mm]	BQ			43	
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
Reserve stroke axial [mm]	Q			2	
Release stroke axial [mm]	R			2,5	
Outer Ø [mm]	AW	144		165	144 150
Weight [kg]		11	10	12	10 11
In stock		-	-	-	-
Material no.		10001792	10001770	10001771	10001781 10001782

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

Clamping heads Page 430	Adaptations I.D. clamping Page 270	Face driver / morse taper Page 324	Accessory overview Page 478



SPANNTOP nova combi deadlength size 42. Technical data



Size	42			
Variant	Combi deadlength			
Spindle nose	DU	A2-5	A2-6	AP140
Run-out ≤ [mm]			0,020	
Max. radial clamping force [kN]			80	
Max. axial compression force [kN]			35	
RPM n max. [1/min.]			7000	
Clamping range [mm]	A		3 – 42	
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		54,8	
Ø Capacity [mm]	BQ		43	
End-stop thread size [M]	BG		10	
Location front end-stop	F		Ø 140 f7	
Centering length [mm]	G		17	
Bolt hole circle end-stop	B		LK Ø 122 [3 x M6]	
Length [mm]	H		61,5	
Total length [mm]	I	120		110
Reserve stroke axial [mm]	Q		2	
Release stroke axial [mm]	R		2,5	
Outer Ø [mm]	AW	145	162	150
Weight [kg]		13,5		14
In stock		-	-	-
Material no.		10001812	10001813	10001823

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



Clamping heads

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Adaptations I.D. clamping

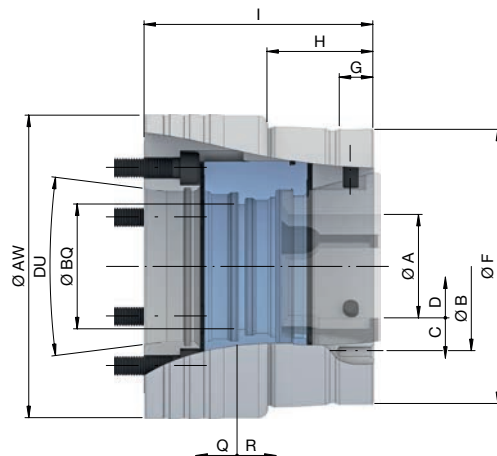
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Accessory overview

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SPANNTOP nova modular size 42. Technical data



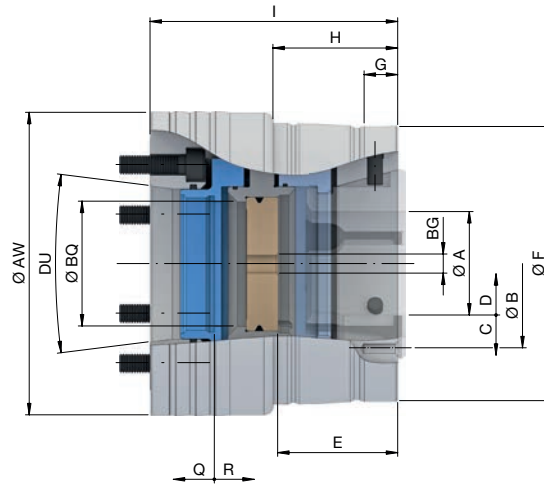
Size	42				
Variant	Modular				
Spindle nose	DU	A2-5	A2-6	AP120	AP140
Run-out ≤ [mm]				0,010	
Max. radial clamping force [kN]				80	
Max. axial drawtube force [pull / push] [kN]				35	
RPM n max. [1/min.]				7000	
Clamping range [mm]	A			3 – 42	
Release stroke in Ø [mm]	C			0,6	
Reserve stroke in Ø [mm]	D			1	
Range / recommended workpiece tolerance [mm]				± 0,5	
Ø Capacity [mm]	BQ			45	
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
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.		10001741	10001742	10001751	10001752

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

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SPANNTOP nova combi pull-back size 52. Technical data



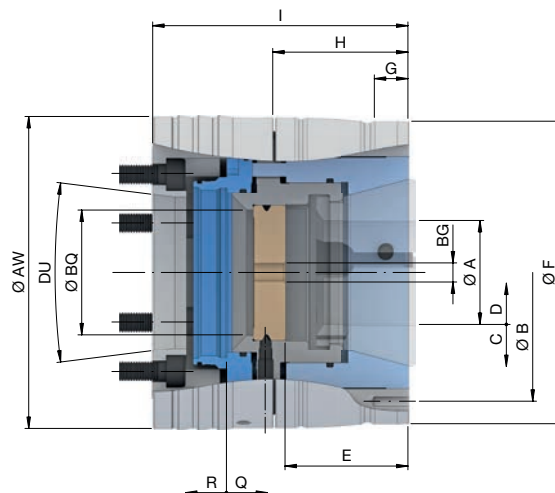
Size	52				
Variant	Combi pull-back				
Spindle nose	DU	A2-5	A2-6	AP120	AP140
Run-out ≤ [mm]		0,010			
Max. radial clamping force [kN]		94			
Max. axial drawtube force [pull / push] [kN]		40			
RPM n max. [1/min.]		7000			
Clamping range [mm]	A	3 – 52			
Release stroke in Ø [mm]	C	0,6			
Reserve stroke 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	
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	10	
In stock		-	-	-	-
Material no.		10001772	10001773	10001783	10001784

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

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SPANNTOP nova combi deadlength size 52. Technical data



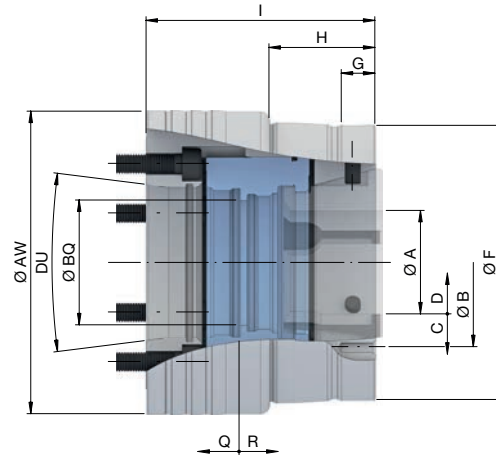
Size	52			
Variant	Combi deadlength			
Spindle nose	DU	A2-5	A2-6	AP120 AP140
Run-out ≤ [mm]		0,020		
Max. radial clamping force [kN]		94		
Max. axial compression force [kN]		40		
RPM n max. [1/min.]		7000		
Clamping range [mm]	A	3 – 52		
Release stroke in Ø [mm]	C	0,6		
Reserve stroke in Ø [mm]	D	1		
Range / recommended workpiece tolerance [mm]		± 0,5		
End-stop depth [mm]	E	54,8		
Ø Capacity [mm]	BQ	53		
End-stop thread size [M]	BG	10		
Location front end-stop	F	Ø 140 f7		
Centering length [mm]	G	17	13	20
Bolt hole circle end-stop	B	LK Ø 122 [3 x M6]		
Length [mm]	H	61,5		
Total length [mm]	I	120		110
Reserve stroke axial [mm]	Q	2		
Release stroke axial [mm]	R	2,5		
Outer Ø [mm]	AW	145	162	145 150
Weight [kg]		13		13,5
In stock		-	-	-
Material no.		10001814	10001815	10001830 10001824

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





SPANNTOP nova modular size 52. Technical data



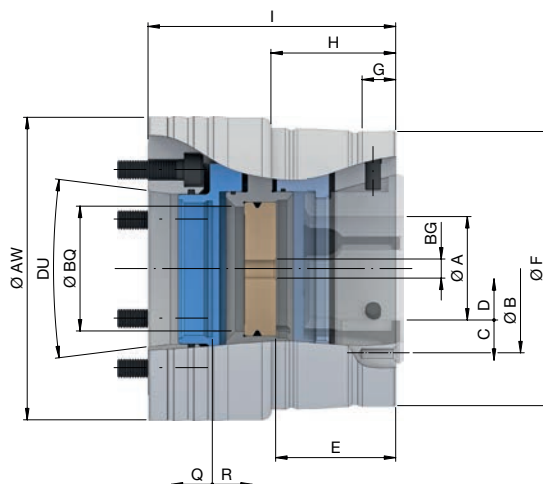
Size	52			
Variant	Modular			
Spindle nose	DU	A2-5	A2-6	AP120 AP140
Run-out ≤ [mm]				0,010
Max. radial clamping force [kN]				94
Max. axial drawtube force [pull / push] [kN]				40
RPM n max. [1/min.]				7000
Clamping range [mm]	A			3 – 52
Release stroke in Ø [mm]	C			0,6
Reserve stroke in Ø [mm]	D			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
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.		10001743	10001744	10001753 10001754

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

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SPANNTOP nova combi pull-back size 65. Technical data



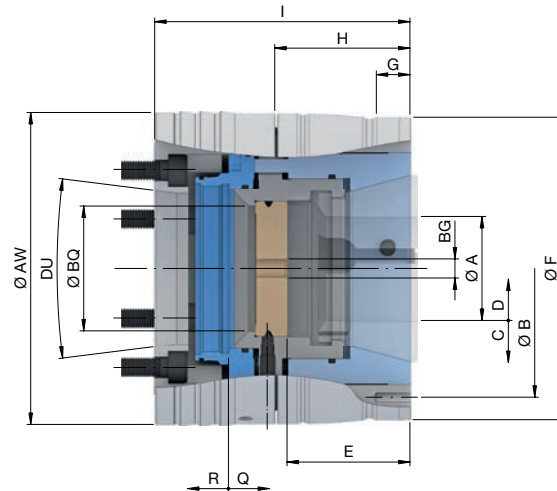
Size	65						
Variant	Combi pull-back						
Spindle nose	DU	A2-5	A2-6	A2-8	AP120	AP140	AP170
Run-out ≤ [mm]		0,010					
Max. radial clamping force [kN]		105					
Max. axial drawtube force [pull / push] [kN]		45					
RPM n max. [1/min.]		6000					
Clamping range [mm]	A	3 – 65					
Release stroke in Ø [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	17					
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
Reserve stroke axial [mm]	Q	2					
Release stroke axial [mm]	R	2,5					
Outer Ø [mm]	AW	160	165	210	160		184
Weight [kg]		13,5	13	18,5	12,5		14
In stock		-	-	-	-	-	-
Material no.		10001774	10001775	10001776	10001785	10001786	10001787

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

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SPANNTOP nova combi deadlength size 65. Technical data



Size	65					
Variant	Combi deadlength					
Spindle nose	DU	A2-5	A2-6	A2-8	AP140	AP170
Run-out ≤ [mm]				0,020		
Max. radial clamping force [kN]				105		
Max. axial compression force [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			65		
Ø Capacity [mm]	BQ			66		
End-stop thread size [M]	BG			12		
Location front end-stop	F			Ø 160 f7		
Centering length [mm]	G			17		
Bolt hole circle end-stop	B			LK Ø 141 [3 x M6]		
Length [mm]	H			71,5		
Total length [mm]	I		135			125
Reserve stroke axial [mm]	Q			2		
Release stroke axial [mm]	R			2,5		
Outer Ø [mm]	AW	165		210	165	180
Weight [kg]		15,5	15	20	16	20
In stock		-	-	-	-	-
Material no.		10001816	10001817	10001818	10001825	10001826

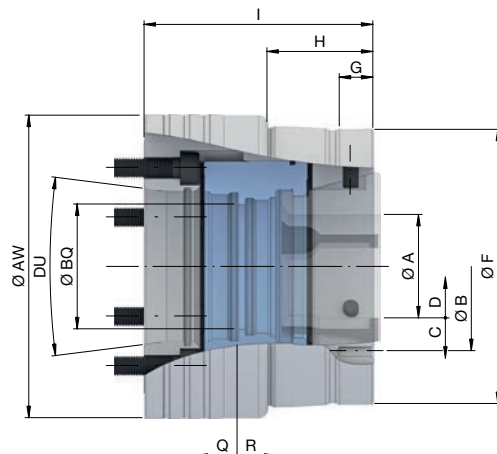
Machine spindle standard DIN 55026.
Total length can be extended via flange.



		
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SPANNTOP nova modular size 65. Technical data



Size	65						
Variant	Modular						
Spindle nose	DU	A2-5	A2-6	A2-8	AP120	AP140	AP170
Run-out ≤ [mm]		0,010					
Max. radial clamping force [kN]		105					
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	17					
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
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		12,5
In stock		-	-	-	-	-	-
Material no.		10001745	10001746	10001747	10001755	10001756	10001757

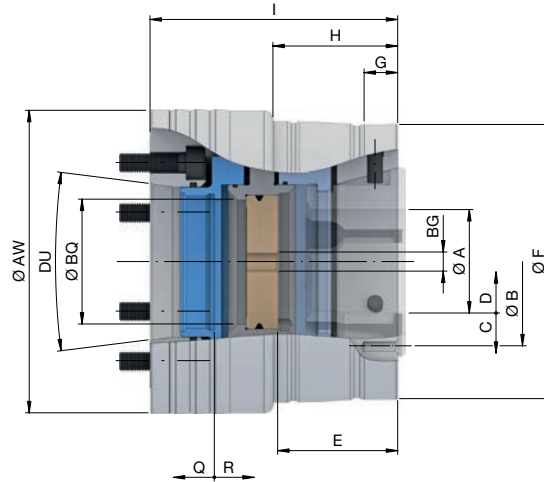
Machine spindle standard DIN 55026.

Total length can be extended via flange.

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SPANNTOP nova combi pull-back size 80. Technical data



Size	80					
Variant	Combi pull-back					
Spindle nose	DU	A2-5	A2-6	A2-8	AP170	AP220
Run-out ≤ [mm]				0,010		
Max. radial clamping force [kN]				115		
Max. axial drawtube force [pull / push] [kN]				50		
RPM n max. [1/min.]				5500		
Clamping range [mm]	A			4 – 80		
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			81		
End-stop thread size [M]	BG			12		
Location front end-stop	F			Ø 160 f7		
Centering length [mm]	G			17		
Bolt hole circle end-stop	B			LK Ø 139 [3 x M6]		
Length [mm]	H			66		
Total length [mm]	I	134	135	140	135	148
Reserve stroke axial [mm]	Q			2		
Release stroke axial [mm]	R			2,5		
Outer Ø [mm]	AW	180		210	180	235
Weight [kg]		17	16	21	17	
In stock		-	-	-	-	-
Material no.		10001803	10001777	10001778	10001788	10001789

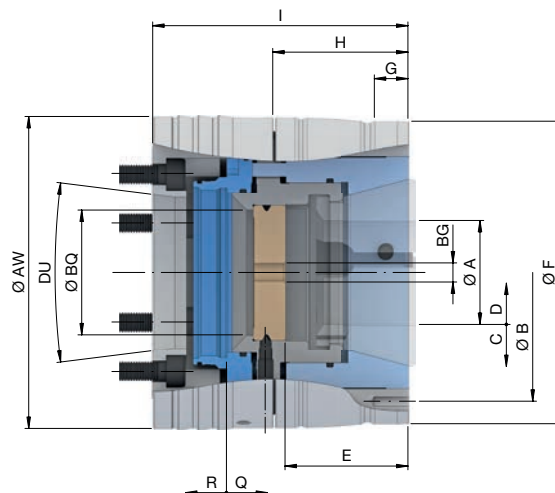
Machine spindle standard DIN 55026.
Total length can be extended via flange.



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SPANNTOP nova combi deadlength size 80. Technical data



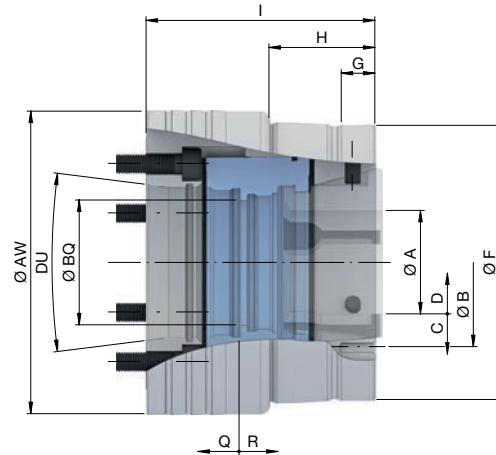
Size		80		
Variant		Combi deadlength		
Spindle nose	DU	A2-6	A2-8	AP140
Run-out ≤ [mm]			0,020	
Max. radial clamping force [kN]			115	
Max. axial compression force [kN]			50	
RPM n max. [1/min.]			5500	
Clamping range [mm]	A		4 – 80	
Release stroke in Ø [mm]	C		0,6	
Reserve stroke in Ø [mm]	D		1	
Range / recommended workpiece tolerance [mm]			± 0,5	
End-stop depth [mm]	E		65	
Ø Capacity [mm]	BQ		81	
End-stop thread size [M]	BG		12	
Location front end-stop	F		Ø 175 f7	
Centering length [mm]	G		17	
Bolt hole circle end-stop	B		LK Ø 156 [3 x M6]	
Length [mm]	H		71,5	
Total length [mm]	I		145	
Reserve stroke axial [mm]	Q		2	
Release stroke axial [mm]	R		2,5	
Outer Ø [mm]	AW	179	210	179
Weight [kg]		19	23	20
In stock		-	-	-
Material no.		10001819	10001820	10001827

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

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SPANNTOP nova modular size 80. Technical data



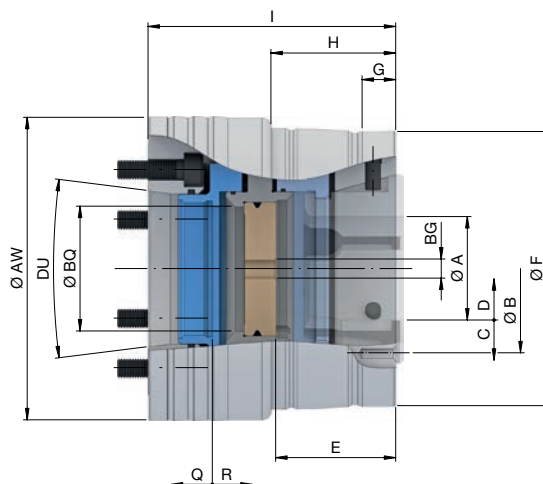
Size	80			
Variant	Modular			
Spindle nose	DU	A2-6	A2-8	AP220
Run-out ≤ [mm]			0,010	
Max. radial clamping force [kN]			115	
Max. axial drawtube force [pull / push] [kN]			50	
RPM n max. [1/min.]			5500	
Clamping range [mm]	A		4 – 80	
Release stroke in Ø [mm]	C		0,6	
Reserve stroke in Ø [mm]	D		1	
Range / recommended workpiece tolerance [mm]			± 0,5	
Ø Capacity [mm]	BQ		81	
Location front end-stop	F		Ø 160 f7	
Centering length [mm]	G		17	
Bolt hole circle end-stop	B		LK Ø 139 [3 x M6]	
Length [mm]	H		56	
Total length [mm]	I	125	130	138
Reserve stroke axial [mm]	Q		2	
Release stroke axial [mm]	R		2,5	
Outer Ø [mm]	AW	180	210	235
Weight [kg]		14	19	27
In stock		-	-	-
Material no.		10001748	10001749	10001758

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

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SPANNTOP nova combi pull-back size 100. Technical data



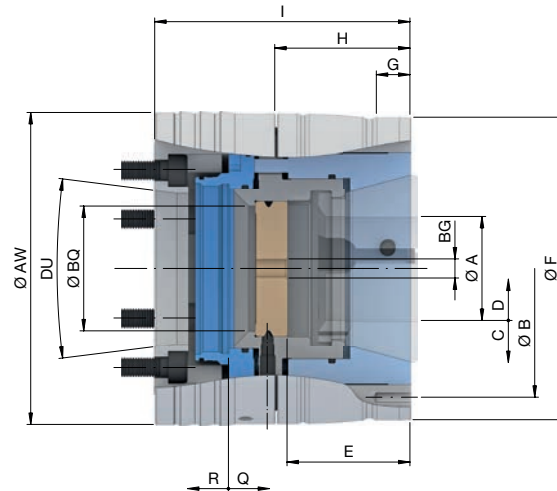
Size	100					
Variant	Combi pull-back					
Spindle nose	DU	A2-6	A2-8	A2-11	AP170	AP220
Run-out ≤ [mm]				0,015		
Max. radial clamping force [kN]				150		
Max. axial drawtube force [pull / push] [kN]				65		
RPM n max. [1/min.]				5000		
Clamping range [mm]	A			15 – 100		
Release stroke in Ø [mm]	C			2		
Reserve stroke in Ø [mm]	D			1,5		
Range / recommended workpiece tolerance [mm]				± 1,0		
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			20		
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	
Reserve stroke axial [mm]	Q			3		
Release stroke axial [mm]	R			5		
Outer Ø [mm]	AW	235		280	235	240
Weight [kg]		33,5	33	43	35	
In stock		-	-	-	-	-
Material no.		10001779	10001780	10001793	10001790	10001791

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

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SPANNTOP nova combi deadlength size 100. Technical data



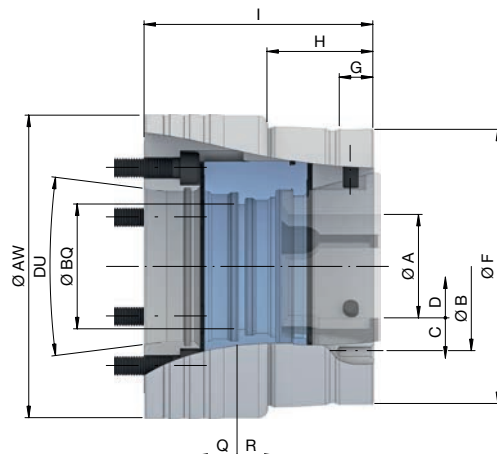
Size	100					
Variant	Combi deadlength					
Spindle nose	DU	A2-6	A2-8	A2-11	AP170	AP220
Run-out ≤ [mm]				0,025		
Max. radial clamping force [kN]				150		
Max. axial compression force [kN]				65		
RPM n max. [1/min.]				5000		
Clamping range [mm]	A			15 – 100		
Release stroke in Ø [mm]	C			2		
Reserve stroke in Ø [mm]	D			1,5		
Range / recommended workpiece tolerance [mm]				± 1,0		
End-stop depth [mm]	E			85,5		
Ø Capacity [mm]	BQ	84		101		
End-stop thread size [M]	BG			12		
Location front end-stop	F			Ø 215 f7		
Centering length [mm]	G	20		22	20	
Bolt hole circle end-stop	B			LK Ø 192 [3 x M8]		
Length [mm]	H			94		
Total length [mm]	I		175		180	170
Reserve stroke axial [mm]	Q			3		
Release stroke axial [mm]	R			5		
Outer Ø [mm]	AW	220		280	220	240
Weight [kg]		35	34	46	37	38
In stock		-	-	-	-	-
Material no.		10001821	10001822	10001837	10001828	10001829

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





SPANNTOP nova modular size 100. Technical data



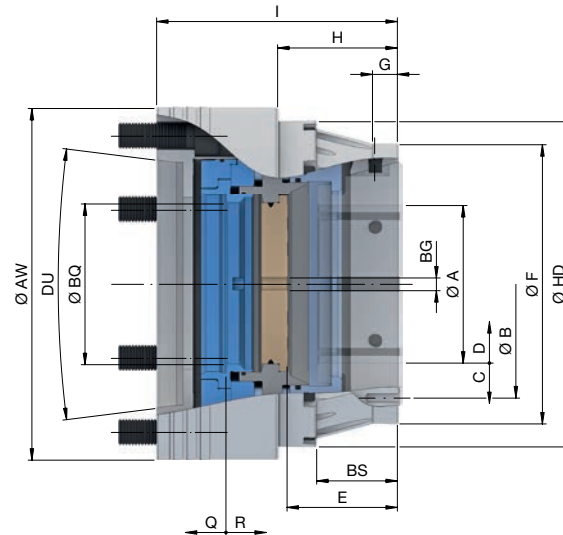
Size	100				
Variant	Modular				
Spindle nose	DU	A2-8	A2-11	AP170	AP220
Run-out ≤ [mm]		0,015			
Max. radial clamping force [kN]		150			
Max. axial drawtube force [pull / push] [kN]		65			
RPM n max. [1/min.]		5000			
Clamping range [mm]	A	15 – 100			
Release stroke in Ø [mm]	C	2			
Reserve stroke in 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	20			
Bolt hole circle end-stop	B	LK Ø 180 [3 x M8]			
Length [mm]	H	68,5			
Total length [mm]	I	149	155	149	
Reserve stroke axial [mm]	Q	3			
Release stroke axial [mm]	R	5			
Outer Ø [mm]	AW	235	280	235	240
Weight [kg]		29	39	32	31
In stock		-	-	-	-
Material no.		10001750	10001761	10001759	10001760

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

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SPANNTOP nova combi pull-back size 125. Technical data



Size	125					
Variant	Combi pull-back					
Spindle nose	DU	A2-6	A2-8	A2-11	AP170	AP220
Run-out ≤ [mm]				0,020		
Max. radial clamping force [kN]				165		
Max. axial drawtube force [pull / push] [kN]				70		
RPM n max. [1/min.]				3200		
Clamping range [mm]	A			25 – 125		
Release stroke in Ø [mm]	C			2,5		
Reserve stroke in Ø [mm]	D			2,5		
Range / recommended workpiece tolerance [mm]				± 1,0		
End-stop depth [mm]	E			87,5		
Ø Capacity [mm]	BQ			127,5		
End-stop thread size [M]	BG			12		
Location front end-stop	F			Ø 221,5 f7		
Centering length [mm]	G			20		
Bolt hole circle end-stop	B			LK Ø 208,5 [6 x M8]		
Length [mm]	H			95		
Length 2 [mm]	BS			64		
Total length [mm]	I		191		185	190
Reserve stroke axial [mm]	Q			5		
Release stroke axial [mm]	R			6		
Outer Ø [mm]	AW		270	280		270
Outer Ø 2 [mm]	HD			258		
Weight [kg]		50	48	46	49	47
In stock		✓	✓	✓	✓	✓
Material no.		10001804	10001805	10001806	10001807	10001808

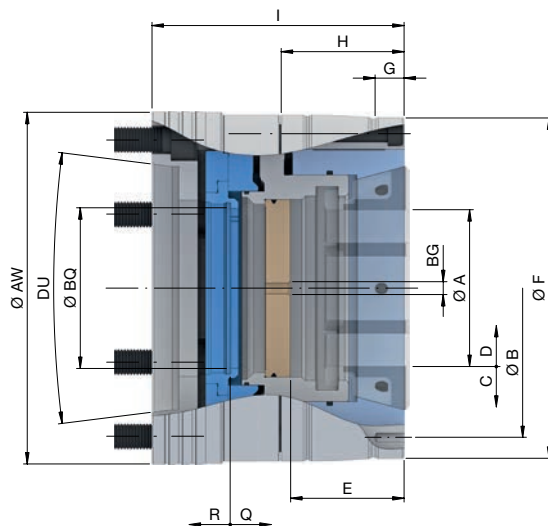
Machine spindle standard DIN 55026.
Total length can be extended via flange.



			
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SPANNTOP nova combi deadlength size 125. Technical data



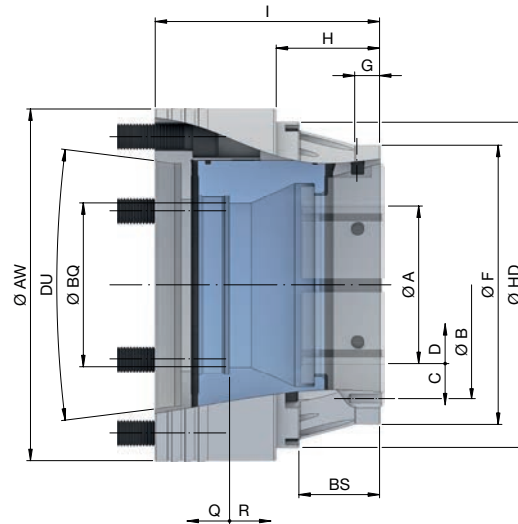
Size	125					
Variant	Combi deadlength					
Spindle nose	DU	A2-6	A2-8	A2-11	AP170	AP220
Run-out ≤ [mm]				0,030		
Max. radial clamping force [kN]				165		
Max. axial compression force [kN]				70		
RPM n max. [1/min.]				3200		
Clamping range [mm]	A			25 – 125		
Release stroke in Ø [mm]	C			2,5		
Reserve stroke in Ø [mm]	D			2,5		
Range / recommended workpiece tolerance [mm]				± 1,0		
End-stop depth [mm]	E			90		
Ø Capacity [mm]	BQ			127,5		
End-stop thread size [M]	BG			12		
Location front end-stop	F			Ø 270 f7		
Centering length [mm]	G			22		
Bolt hole circle end-stop	B			LK Ø 245 [3 x M8]		
Length [mm]	H			97,5		
Total length [mm]	I	190	200		185	190
Reserve stroke axial [mm]	Q			5		
Release stroke axial [mm]	R			6		
Outer Ø [mm]	AW			275		
Weight [kg]		61	63	61	62	
In stock		✓	✓	✓	✓	✓
Material no.		10001832	10001833	10001834	10001835	10001836

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

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SPANNTOP nova modular size 125. Technical data



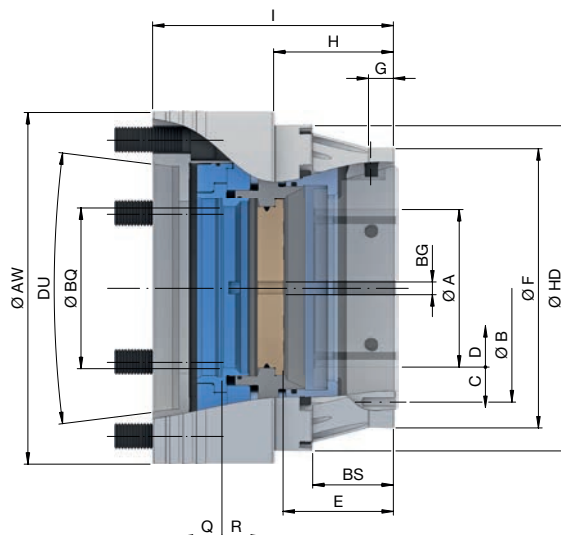
Size	125				
Variant	Modular				
Spindle nose	DU	A2-6	A2-8	A2-11	AP170 AP220
Run-out ≤ [mm]				0,020	
Max. radial clamping force [kN]				165	
Max. axial drawtube force [pull / push] [kN]				70	
RPM n max. [1/min.]				3200	
Clamping range [mm]	A			25 – 125	
Release stroke in Ø [mm]	C			2,5	
Reserve stroke in Ø [mm]	D			2,5	
Range / recommended workpiece tolerance [mm]				± 1,0	
Ø Capacity [mm]	BQ			130	
Location front end-stop	F			Ø 221,5 f7	
Centering length [mm]	G			20	
Bolt hole circle end-stop	B			LK Ø 208,5 [6 x M8]	
Length [mm]	H			82	
Length 2 [mm]	BS			64	
Total length [mm]	I		178		177
Reserve stroke axial [mm]	Q			5	
Release stroke axial [mm]	R			6	
Outer Ø [mm]	AW	270		280	270
Outer Ø 2 [mm]	HD			258	
Weight [kg]		44	43	44	43
In stock		✓	✓	✓	✓
Material no.		10001763	10001764	10001765	10001766 10001767

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

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SPANNTOP nova combi pull-back size 160. Technical data



Size	160					
Variant	Combi pull-back					
Spindle nose	DU	A2-6	A2-8	A2-11	AP170	AP220
Run-out ≤ [mm]				0,025		
Max. radial clamping force [kN]				235		
Max. axial drawtube force [pull / push] [kN]				100		
RPM n max. [1/min.]				3200		
Clamping range [mm]	A			27 – 160		
Release stroke in Ø [mm]	C			1,3		
Reserve stroke in Ø [mm]	D			1,5		
Range / recommended workpiece tolerance [mm]				± 1,0		
End-stop depth [mm]	E			89,5		
Ø Capacity [mm]	BQ			162		
End-stop thread size [M]	BG			12		
Location front end-stop	F			Ø 254 f7		
Centering length [mm]	G			20		
Bolt hole circle end-stop	B			LK Ø 240,5 [3 x M8]		
Length [mm]	H			95		
Length 2 [mm]	BS			64		
Total length [mm]	I	190	195	200	189	194
Reserve stroke axial [mm]	Q			3		
Release stroke axial [mm]	R			3		
Outer Ø [mm]	AW			302		
Weight Ø 2 [mm]	HD			290		
Weight [kg]		60	60,8	59	62	
In stock		✓	✓	✓	✓	✓
Material no.		10014974	10014977	10014978	10014979	10014980

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

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