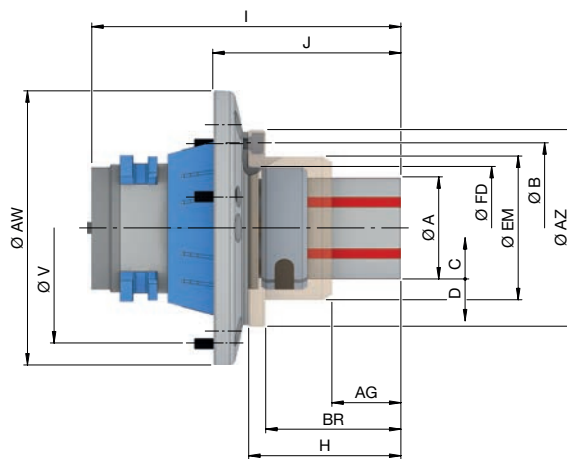


ADAPTATION CLAMPING DEVICES

MANDO Adapt [mandrel adaptation]



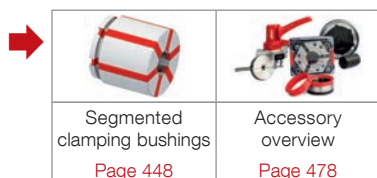
MANDO Adapt T212 SE. Technical data



Size	XXS							
Adaptation size	52		65		80	100		
Suitable for	TOPlus mini / premium	all except TOPlus mini / premium	TOPlus mini / premium	all except TOPlus mini / premium	TOPlus mini / premium	TOPlus mini / premium	all except TOPlus mini / premium	
Clamping range [mm]	A		8 – 13					
Run-out ≤ [mm]	0,020							
Release stroke in Ø [mm]	C							
Reserve stroke in Ø [mm]	D							
Range / recommended workpiece tolerance [mm]	± 0,15							
Max. clamping length [mm]	AG							
Max. axial drawtube force [pull / push] [kN]	10							
Max. radial clamping force [kN]	42							
RPM n max. [1/min.]	7000		6000		5500	5000		
Reception workpiece end-stop	FD							
Bolt hole circle end-stop	B							
End-stop outer Ø [mm]	AZ							
Depth [mm]	BR							
End-stop outer Ø 2 [mm]	EM							
Length [mm]	H							
Total length [mm]	I		127,5		124,5	139		
Height [mm]	J		64,5		61	65,5		
Bolt hole circle	V	LK Ø 105 [3 x M8]	LK Ø 107 [3 x M6]	LK Ø 112 [3 x M8]	LK Ø 126 [3 x M6]	LK Ø 130 [3 x M8]	LK Ø 160 [3 x M8]	LK Ø 180 [3 x M8]
Outer Ø [mm]	AW	119	125	129	145	150	183	215
Weight [kg]	3		3,6	3,8	5	9	10	
In stock	-	-	✓	✓	-	-	-	
Material no.	10001012	10001648	10001018	10001656	10017071	10001026	10001664	

Please note: The maximum clamping length [AG] varies from 6 to 12.9 mm depending on the clamping diameter.

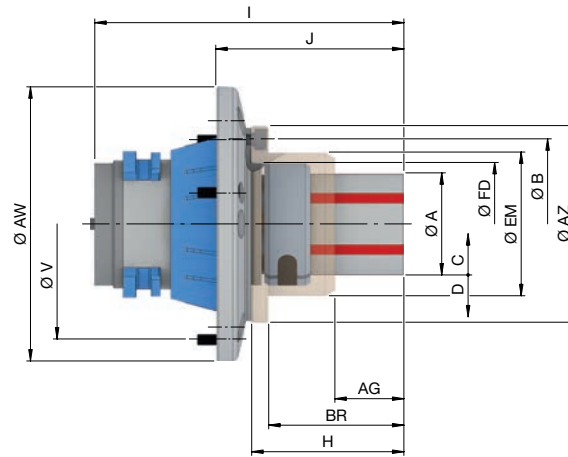
Mounting precision for rotating clamping devices: Run-out ≤ 0.005 mm between chuck and adaptation clamping device. Run-out errors on the chuck must also be taken into consideration. Mounting repeatability for stationary clamping devices: ≤ 0.003 mm on the adaptation clamping device.





ADAPTATION CLAMPING DEVICES MANDO Adapt [mandrel adaptation]

MANDO Adapt T212 SE. Technical data



Size	XS							
Adaptation size	52		65		80	100		
Suitable for	TOPlus mini / premium	all except TOPlus mini / premium	TOPlus mini / premium	all except TOPlus mini / premium	TOPlus mini / premium	TOPlus mini / premium	all except TOPlus mini / premium	
Clamping range [mm]	A		13 – 19					
Run-out ≤ [mm]	0,020							
Release stroke in Ø [mm]	C		0,4			0,5		
Reserve stroke in Ø [mm]	D		0,3					
Range / recommended workpiece tolerance [mm]	± 0,25							
Max. clamping length [mm]	AG		14					
Max. axial drawtube force [pull / push] [kN]	10							
Max. radial clamping force [kN]	42							
RPM n max. [1/min.]	7000		6000		5500	5000		
Reception workpiece end-stop	FD		Ø 36 f7					
Bolt hole circle end-stop	B		LK Ø 53 [3 x M5]					
End-stop outer Ø [mm]	AZ		65					
Depth [mm]	BR		37,5					
End-stop outer Ø 2 [mm]	EM		42					
Length [mm]	H		45,5					
Total length [mm]	I		125		128	125	139,5	
Height [mm]	J		71		64,5	61	65,5	
Bolt hole circle	V	LK Ø 105 [3 x M8]	LK Ø 107 [3 x M6]	LK Ø 112 [3 x M8]	LK Ø 126 [3 x M6]	LK Ø 130 [3 x M8]	LK Ø 160 [3 x M8]	LK Ø 180 [3 x M6]
Outer Ø [mm]	AW	119	125	129	145	150	183	215
Weight [kg]		3		3,6	3,8	5	9	10
In stock		-	✓	✓	✓	✓	✓	✓
Material no.		10001013	10001647	10001019	10001655	10017072	10001027	10001663

Mounting precision for rotating clamping devices: Run-out ≤ 0.005 mm between chuck and adaptation clamping device. Run-out errors on the chuck must also be taken into consideration. Mounting repeatability for stationary clamping devices: ≤ 0.003 mm on the adaptation clamping device.



Adaptation clamping devices

Measuring technology / Automation

Quick change-over systems

Special solutions

Clamping elements / Accessories

Services

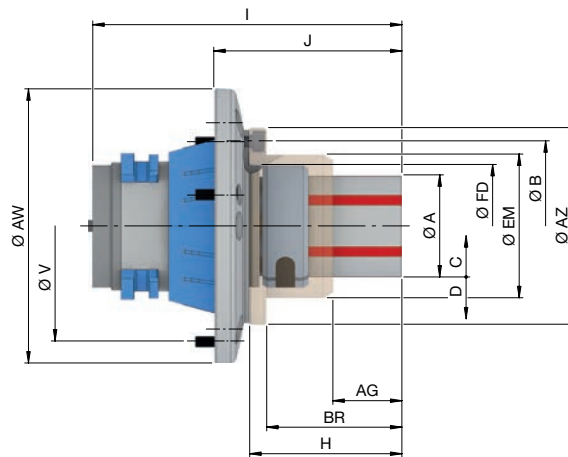
Multi spindles

ADAPTATION CLAMPING DEVICES

MANDO Adapt [mandrel adaptation]



MANDO Adapt T212 SE. Technical data



Size		S							
Adaptation size		52		65		80	100		
Suitable for		TOPlus mini / premium	all except TOPlus mini / premium	TOPlus mini / premium	all except TOPlus mini / premium	TOPlus mini / premium	TOPlus mini / premium	all except TOPlus mini / premium	
Clamping range [mm]	A	16 – 21							
Run-out ≤ [mm]		0,020							
Release stroke in Ø [mm]	C	0,4					0,5		
Reserve stroke in Ø [mm]	D	0,3							
Range / recommended workpiece tolerance [mm]		± 0,25							
Max. clamping length [mm]	AG	15							
Max. axial drawtube force pull / push [kN]		10							
Max. radial clamping force [kN]		42							
RPM n max. [1/min.]		7000		6000		5500	5000		
Reception workpiece end-stop	FD	Ø 39 f7							
Bolt hole circle end-stop	B	LK Ø 57 [3 x M5]							
End-stop outer Ø [mm]	AZ	70							
Depth [mm]	BR	39,5							
End-stop outer Ø 2 [mm]	EM	45							
Length [mm]	H	47,5							
Total length [mm]	I	127		130		127	141,5		
Height [mm]	J	73		66,5		63	67,5		
Bolt hole circle	V	LK Ø 105 [3 x M8]	LK Ø 107 [3 x M6]	LK Ø 112 [3 x M8]	LK Ø 126 [3 x M6]	LK Ø 130 [3 x M8]	LK Ø 160 [3 x M8]	LK Ø 180 [3 x M8]	
Outer Ø [mm]	AW	119	125	129	145	150	183	215	
Weight [kg]		3		3,7	4	5,1	9,1	10	
In stock		-	✓	✓	✓	✓	✓	✓	
Material no.		10001014	10001646	10001020	10001654	10017073	10001028	10001662	

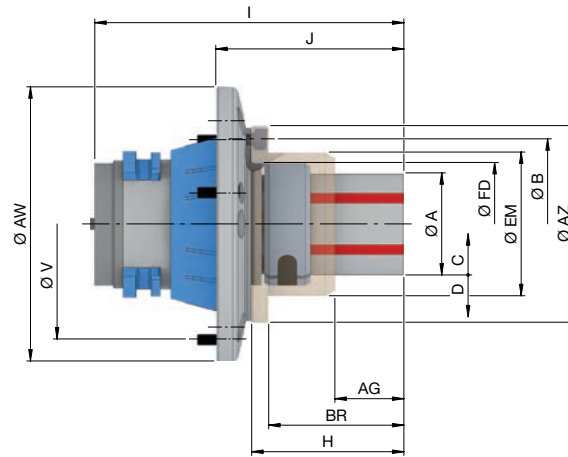
Mounting precision for rotating clamping devices: Run-out ≤ 0.005 mm between chuck and adaptation clamping device. Run-out errors on the chuck must also be taken into consideration. Mounting repeatability for stationary clamping devices: ≤ 0.003 mm on the adaptation clamping device.





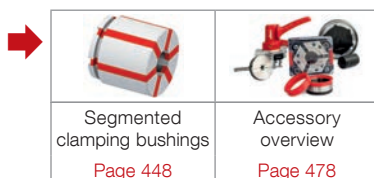
ADAPTATION CLAMPING DEVICES MANDO Adapt [mandrel adaptation]

MANDO Adapt T212 SE. Technical data



Size	0							
Adaptation size	52		65		80	100		
Suitable for	TOPlus mini / premium	all except TOPlus mini / premium	TOPlus mini / premium	all except TOPlus mini / premium	TOPlus mini / premium	TOPlus mini / premium	all except TOPlus mini / premium	
Clamping range [mm]	A		20 – 28					
Run-out ≤ [mm]	0,010							
Release stroke in Ø [mm]	C		0,4			0,5		
Reserve stroke in Ø [mm]	D		0,3					
Range / recommended workpiece tolerance [mm]	± 0,25							
Max. clamping length [mm]	AG		21					
Max. axial drawtube force [pull / push] [kN]	10							
Max. radial clamping force [kN]	42							
RPM n max. [1/min.]	7000		6000		5500	5000		
Reception workpiece end-stop	FD		Ø 47 f7					
Bolt hole circle end-stop	B		LK Ø 70 [3 x M6]					
End-stop outer Ø [mm]	AZ		90					
Depth [mm]	BR		49,5					
End-stop outer Ø 2 [mm]	EM		56					
Length [mm]	H		58,5					
Total length [mm]	I		138		141	138	152,5	
Height [mm]	J		84		77,5	74	78,5	
Bolt hole circle	V	LK Ø 105 [3 x M8]	LK Ø 107 [3 x M6]	LK Ø 112 [3 x M8]	LK Ø 126 [3 x M6]	LK Ø 130 [3 x M8]	LK Ø 160 [3 x M8]	LK Ø 180 [3 x M8]
Outer Ø [mm]	AW	119	125	129	145	150	183	215
Weight [kg]		3,6	3,4	4,2	4,3	5,5	9,6	10,5
In stock		-	-	✓	✓	✓	✓	✓
Material no.		10001015	10001645	10001021	10001653	10017074	10001029	10001661

Mounting precision for rotating clamping devices: Run-out ≤ 0.005 mm between chuck and adaptation clamping device. Run-out errors on the chuck must also be taken into consideration. Mounting repeatability for stationary clamping devices: ≤ 0.003 mm on the adaptation clamping device.



Adaptation clamping devices

Measuring technology / Automation

Quick change-over systems

Special solutions

Clamping elements / Accessories

Services

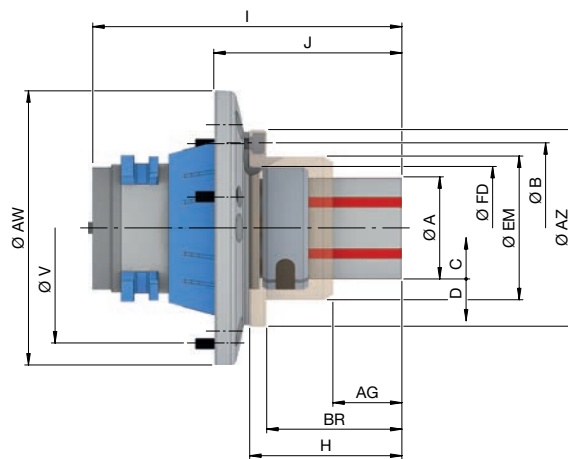
Multi spindles

ADAPTATION CLAMPING DEVICES

MANDO Adapt [mandrel adaptation]

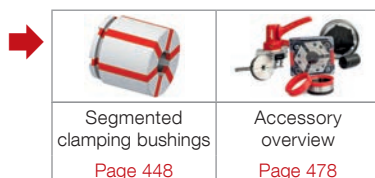


MANDO Adapt T212 SE. Technical data



Size	1							
Adaptation size	52		65		80	100		
Suitable for	TOPlus mini / premium	all except TOPlus mini / premium	TOPlus mini / premium	all except TOPlus mini / premium	TOPlus mini / premium	TOPlus mini / premium	all except TOPlus mini / premium	
Clamping range [mm]	A		26 – 38					
Run-out ≤ [mm]	0,010							
Release stroke in Ø [mm]	C		0,4		0,5			
Reserve stroke in Ø [mm]	D		0,3					
Range / recommended workpiece tolerance [mm]	± 0,25							
Max. clamping length [mm]	AG		25					
Max. axial drawtube force [pull / push] [kN]	10							
Max. radial clamping force [kN]	42							
RPM n max. [1/min.]	7000		6000		5500	5000		
Reception workpiece end-stop	FD		Ø 55 f7					
Bolt hole circle end-stop	B		LK Ø 75 [3 x M6]					
End-stop outer Ø [mm]	AZ		90					
Depth [mm]	BR		55,5					
End-stop outer Ø 2 [mm]	EM		62					
Length [mm]	H		64,5					
Total length [mm]	I		139		147,5		158,5	
Height [mm]	J		85		83,5		80	
Bolt hole circle	V	LK Ø 105 [3 x M8]	LK Ø 107 [3 x M6]	LK Ø 112 [3 x M8]	LK Ø 126 [3 x M6]	LK Ø 130 [3 x M8]	LK Ø 160 [3 x M8]	LK Ø 180 [3 x M8]
Outer Ø [mm]	AW	119	125	129	145	150	183	215
Weight [kg]		3,2	4,3	4,5	5,6	9,7	10,6	
In stock		-	✓	✓	✓	✓	✓	✓
Material no.		10001016	10001644	10001022	10001652	10017075	10001030	10001660

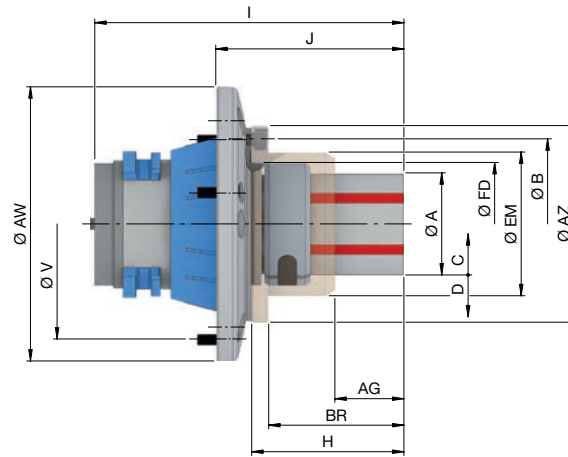
Mounting precision for rotating clamping devices: Run-out ≤ 0.005 mm between chuck and adaptation clamping device. Run-out errors on the chuck must also be taken into consideration. Mounting repeatability for stationary clamping devices: ≤ 0.003 mm on the adaptation clamping device.





ADAPTATION CLAMPING DEVICES MANDO Adapt [mandrel adaptation]

MANDO Adapt T212 SE. Technical data



Size	2							
Adaptation size	52		65		80	100		
Suitable for	TOPlus mini / premium	all except TOPlus mini / premium	TOPlus mini / premium	all except TOPlus mini / premium	TOPlus mini / premium	TOPlus mini / premium	all except TOPlus mini / premium	
Clamping range [mm]	A		36 – 54					
Run-out ≤ [mm]	0,010							
Release stroke in Ø [mm]	C		0,4		0,5			
Reserve stroke in Ø [mm]	D							
Range / recommended workpiece tolerance [mm]	± 0,25							
Max. clamping length [mm]	AG		40					
Max. axial drawtube force [pull / push] [kN]	20							
Max. radial clamping force [kN]	85							
RPM n max. [1/min.]	7000		6000		5500	5000		
Reception workpiece end-stop	FD		Ø 65 f7					
Bolt hole circle end-stop	B							
End-stop outer Ø [mm]	AZ							
Depth [mm]	BR							
End-stop outer Ø 2 [mm]	EM							
Length [mm]	H							
Total length [mm]	I		155		163,5		158	
Height [mm]	J		101		99,5		94	
Bolt hole circle	V	LK Ø 105 [3 x M8]	LK Ø 107 [3 x M6]	LK Ø 112 [3 x M8]	LK Ø 126 [3 x M6]	LK Ø 130 [3 x M8]	LK Ø 160 [3 x M8]	LK Ø 180 [3 x M8]
Outer Ø [mm]	AW	119	125	129	145	150	183	215
Weight [kg]		4	3,9	5	5,2	6	10,3	11,3
In stock		-	✓	✓	✓	✓	✓	✓
Material no.		10001017	10001643	10001023	10001651	10017076	10001031	10001659

Mounting precision for rotating clamping devices: Run-out ≤ 0.005 mm between chuck and adaptation clamping device. Run-out errors on the chuck must also be taken into consideration. Mounting repeatability for stationary clamping devices: ≤ 0.003 mm on the adaptation clamping device.



Adaptation clamping devices

Measuring technology / Automation

Quick change-over systems

Special solutions

Clamping elements / Accessories

Services

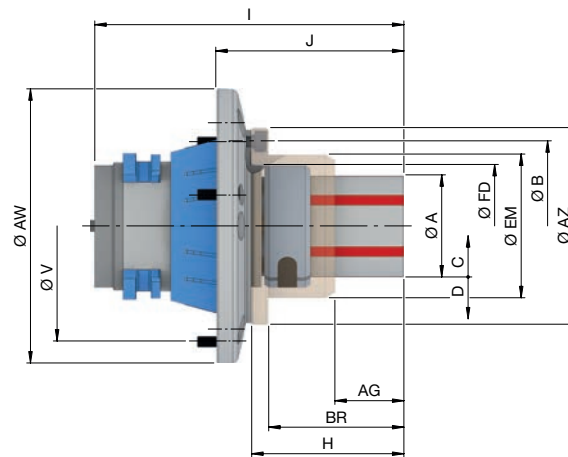
Multi spindles

ADAPTATION CLAMPING DEVICES

MANDO Adapt [mandrel adaptation]



MANDO Adapt T212 SE. Technical data



Size	3				
Adaptation size	65		80	100	
Suitable for	TOPlus mini / premium	all except TOPlus mini / premium	TOPlus mini / premium	TOPlus mini / premium	all except TOPlus mini / premium
Clamping range [mm]	A		50 – 80		
Run-out ≤ [mm]			0,010		
Release stroke in Ø [mm]	C		0,5		
Reserve stroke in Ø [mm]	D		0,3		0,4
Range / recommended workpiece tolerance [mm]	0,4		± 0,35		
Max. clamping length [mm]	AG		44,5		
Max. axial drawtube force [pull / push] [kN]			25		
Max. radial clamping force [kN]			105		
RPM n max. [1/min.]	6000		5500		5000
Reception workpiece end-stop	FD		Ø 83 f7		
Bolt hole circle end-stop	B		LK Ø 104 [3 x M6]		
End-stop outer Ø [mm]	AZ		120		
Depth [mm]	BR		78		
End-stop outer Ø 2 [mm]	EM		92,5		
Length [mm]	H		87,5		
Total length [mm]	I		170,5		181,5
Height [mm]	J		106,5		107,5
Bolt hole circle	V	LK Ø 112 [3 x M8]	LK Ø 126 [3 x M6]	LK Ø 130 [3 x M8]	LK Ø 160 [3 x M8] LK Ø 180 [3 x M8]
Outer Ø [mm]	AW	129	145	150	183 215
Weight [kg]		5,9	6	6,7	11,2 12
In stock		✓	✓	✓	✓
Material no.		10001024	10001650	10017077	10001032 10001658

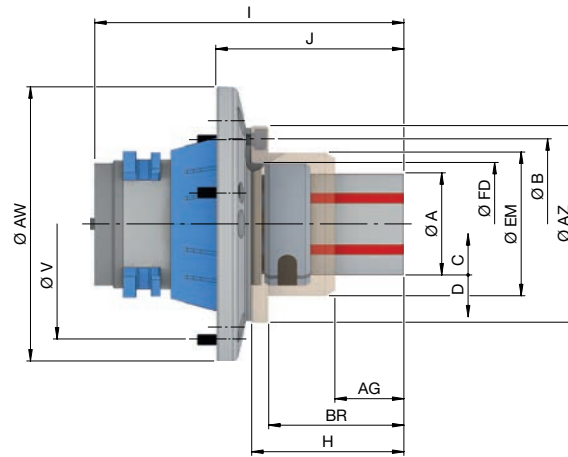
Mounting precision for rotating clamping devices: Run-out ≤ 0.005 mm between chuck and adaptation clamping device. Run-out errors on the chuck must also be taken into consideration. Mounting repeatability for stationary clamping devices: ≤ 0.003 mm on the adaptation clamping device.





ADAPTATION CLAMPING DEVICES MANDO Adapt [mandrel adaptation]

MANDO Adapt T212 SE. Technical data



Size	4				
Adaptation size	65		80	100	
Suitable for	TOPlus mini / premium	all except TOPlus mini / premium	TOPlus mini / premium	TOPlus mini / premium	all except TOPlus mini / premium
Clamping range [mm]	A 69 – 100				
Run-out ≤ [mm]	0,010				
Release stroke in Ø [mm]	C 0,5				
Reserve stroke in Ø [mm]	D 0,4		0,6	0,5	
Range / recommended workpiece tolerance [mm]	± 0,4				
Max. clamping length [mm]	AG 52,5				
Max. axial drawtube force [pull / push] [kN]	35				
Max. radial clamping force [kN]	150				
RPM n max. [1/min.]	6000		5500	5000	
Reception workpiece end-stop	FD Ø 103 f7				
Bolt hole circle end-stop	B LK Ø 124 [3 x M6]				
End-stop outer Ø [mm]	AZ 138				
Depth [mm]	BR 87,5				
End-stop outer Ø 2 [mm]	EM 113				
Length [mm]	H 97,5				
Total length [mm]	I 180,5		176	191,5	
Height [mm]	J 116,5		112	117,5	
Bolt hole circle	V LK Ø 112 [3 x M8]	LK Ø 126 [3 x M6]	LK Ø 130 [3 x M8]	LK Ø 160 [3 x M8]	LK Ø 180 [3 x M8]
Outer Ø [mm]	AW 138	145	150	183	215
Weight [kg]	7,5	7,4	8,2	12,6	13,5
In stock	✓				
Material no.	10001025	10001649	10017078	10001033	10001657

Mounting precision for rotating clamping devices: Run-out ≤ 0.005 mm between chuck and adaptation clamping device. Run-out errors on the chuck must also be taken into consideration. Mounting repeatability for stationary clamping devices: ≤ 0.003 mm on the adaptation clamping device.

