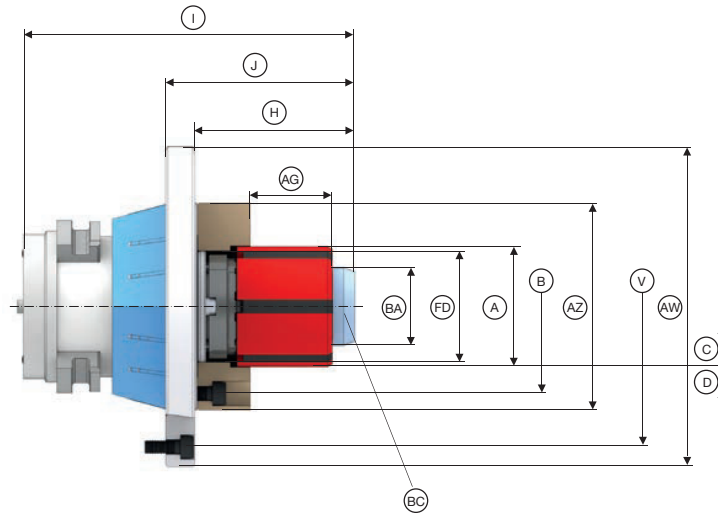




# ADAPTATION CLAMPING DEVICES MANDO Adapt [mandrel adaptation]

## MANDO Adapt T211 SE. Technical data



Size	0					
Adaptation size	52		65		100	
Suitable for	TOPlus mini	all except TOPlus mini	TOPlus mini	all except TOPlus mini	TOPlus mini	all except TOPlus mini
Clamping range [mm]	A		20 – 28			
Run-out ≤ [mm]			0,010			
Max. radial clamping force [kN]			42			
Max. axial drawtube force [pull / push] [kN]			10			
Max. clamping length [mm]	AG		22			
Release stroke in Ø [mm]			C			
Reserve stroke in Ø [mm]			D			
Range / recommended workpiece tolerance [mm]			± 0,25			
RPM n max. [1/min.]	7000		6000		5000	
Max. actuating torque [Nm]	BC		10			
Draw bolt Ø [mm]	BA		19			
Reception workpiece end-stop	FD		Ø 32 f7			
End-stop outer Ø [mm]	AZ		65			
Bolt hole circle end-stop			LK Ø 50 [3 x M6]			
Length [mm]	H		42		41,5	
Total length [mm]	I		119		94	
Height [mm]	J		55			
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 160 [3 x M8]
Outer Ø [mm]	AW	119	125	129	144	183
Weight [kg]		3		4		9
In stock		✓	✓	✓	✓	✓
Order no.		10818/0001	2523/0014	10818/0004	2523/0017	10818/0009
						2523/0022

CENTREX interface repeatability ≤ 0.003 mm.



Adaptation clamping devices

Measuring technology/ Automation

Quick change-over systems

Special solutions

Clamping elements/ Accessories

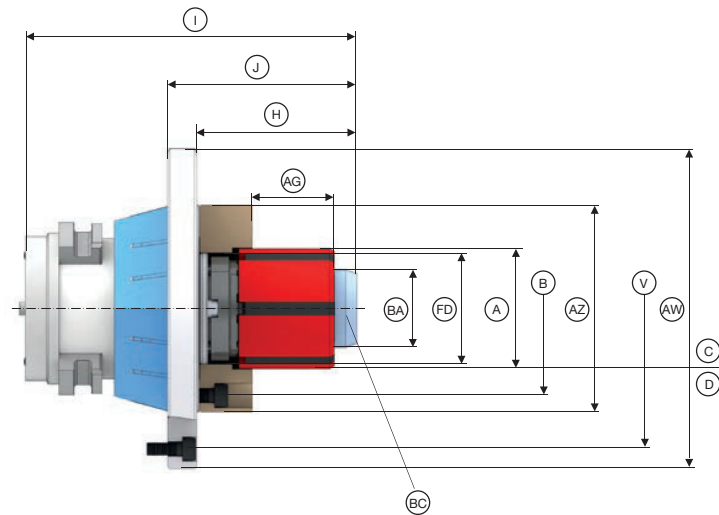
Multi spindles

# ADAPTATION CLAMPING DEVICES

## MANDO Adapt [mandrel adaptation]



### MANDO Adapt T211 SE. Technical data



Size	<b>1</b>					
Adaptation size	<b>52</b>		<b>65</b>		<b>100</b>	
Suitable for	TOPlus mini	all except TOPlus mini	TOPlus mini	all except TOPlus mini	TOPlus mini	all except TOPlus mini
Clamping range [mm]	A		26 – 38			
Run-out $\leq$ [mm]			0,010			
Max. radial clamping force [kN]			42			
Max. axial drawtube force [pull / push] [kN]			10			
Max. clamping length [mm]	AG		26			
Release stroke in $\varnothing$ [mm]	C		0,4			
Reserve stroke in $\varnothing$ [mm]	D		0,3			
Range / recommended workpiece tolerance [mm]			$\pm 0,25$			
RPM n max. [1/min.]	7000		6000		5000	
Max. actuating torque [Nm]	BC		20			
Draw bolt $\varnothing$ [mm]	BA		25			
Reception workpiece end-stop	FD		$\varnothing 41 f7$			
End-stop outer $\varnothing$ [mm]	AZ		69			
Bolt hole circle end-stop	B		LK $\varnothing 55 [3 \times M6]$			
Length [mm]	H		40			
Total length [mm]	I		139			
Height [mm]	J		65			
Bolt hole circle	V	LK $\varnothing 105 [3 \times M8]$	LK $\varnothing 107 [3 \times M6]$	LK $\varnothing 112 [3 \times M8]$	LK $\varnothing 126 [3 \times M6]$	LK $\varnothing 160 [3 \times M8]$
Outer $\varnothing$ [mm]	AW	119	125	129	144	183
Weight [kg]		3		4		9
In stock		✓	✓	✓	✓	✓
Order no.		10818/0002	2523/0015	10818/0005	2523/0018	10818/0010
						2523/0023

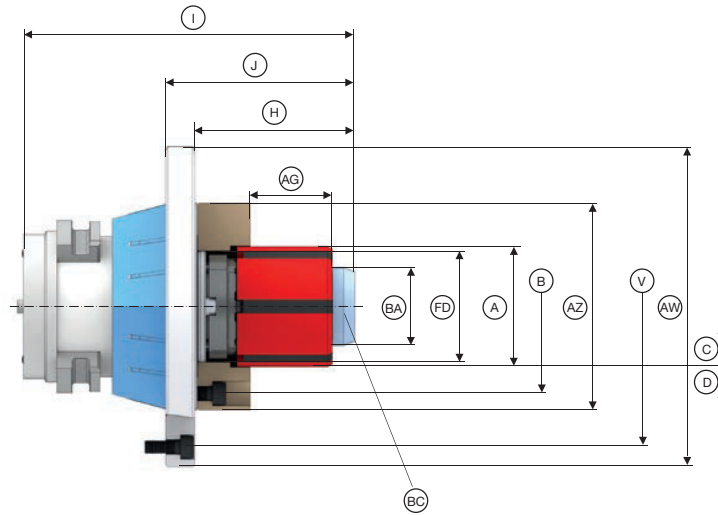
CENTREX interface repeatability  $\leq 0.003$  mm.





# ADAPTATION CLAMPING DEVICES MANDO Adapt [mandrel adaptation]

## MANDO Adapt T211 SE. Technical data



Size	<b>2</b>					
Adaptation size	<b>52</b>		<b>65</b>		<b>100</b>	
Suitable for	TOPlus mini	all except TOPlus mini	TOPlus mini	all except TOPlus mini	TOPlus mini	all except TOPlus mini
Clamping range [mm]	A		36 – 54			
Run-out ≤ [mm]			0,010			
Max. radial clamping force [kN]			85			
Max. axial drawtube force [pull / push] [kN]			20			
Max. clamping length [mm]	AG		43			
Release stroke in Ø [mm]	C		0,4			
Reserve stroke in Ø [mm]	D		0,3			
Range / recommended workpiece tolerance [mm]			± 0,25			
RPM n max. [1/min.]	7000		6000		5000	
Max. actuating torque [Nm]	BC		25			
Draw bolt Ø [mm]	BA		35			
Reception workpiece end-stop	FD		Ø 50 f7			
End-stop outer Ø [mm]	AZ		93			
Bolt hole circle end-stop	B		LK Ø 78 [3 x M6]			
Length [mm]	H		71			
Total length [mm]	I		139		159	
Height [mm]	J		85			
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 160 [3 x M8]
Outer Ø [mm]	AW	119	125	129	144	183
Weight [kg]		3		4		10
In stock		-	✓	✓	✓	✓
Order no.		10818/0003	2523/0016	10818/0006	2523/0019	10818/0011
						2523/0024

CENTREX interface repeatability ≤ 0.003 mm.



Adaptation clamping devices

Measuring technology/ Automation

Quick change-over systems

Special solutions

Clamping elements/ Accessories

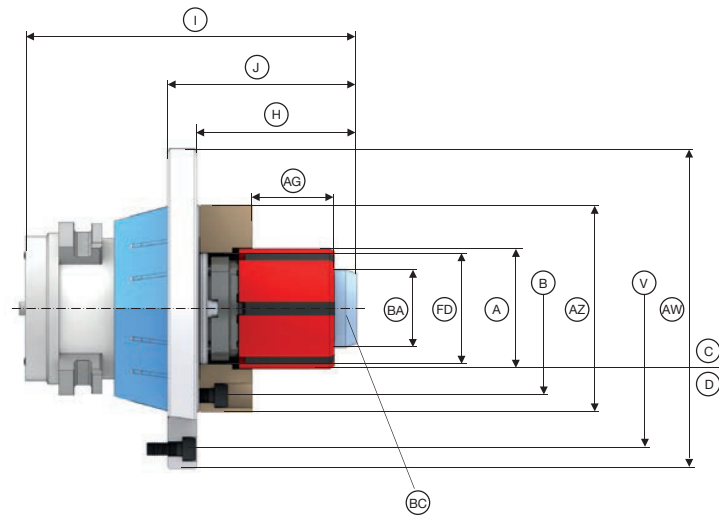
Multi spindles

# ADAPTATION CLAMPING DEVICES

## MANDO Adapt [mandrel adaptation]

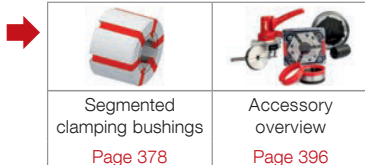


### MANDO Adapt T211 SE. Technical data



Size	<b>3</b>			
Adaptation size	<b>65</b>		<b>100</b>	
	TOPlus mini	all except TOPlus mini	TOPlus mini	all except TOPlus mini
Suitable for	TOPlus mini	all except TOPlus mini	TOPlus mini	all except TOPlus mini
Clamping range [mm]	A	50 – 80		
Run-out $\leq$ [mm]		0,010		
Max. radial clamping force [kN]		105		
Max. axial drawtube force [pull / push] [kN]		25		
Max. clamping length [mm]	AG	49		
Release stroke in $\varnothing$ [mm]	C	0,5		
Reserve stroke in $\varnothing$ [mm]	D	0,4		
Range / recommended workpiece tolerance [mm]		$\pm 0,35$		
RPM n max. [1/min.]	6000		5000	
Max. actuating torque [Nm]	BC	55		
Draw bolt $\varnothing$ [mm]	BA	49		
Reception workpiece end-stop	FD	$\varnothing 65 f7$		
End-stop outer $\varnothing$ [mm]	AZ	96		
Bolt hole circle end-stop	B	LK $\varnothing 80 [3 \times M6]$		
Length [mm]	H	68	78	
Total length [mm]	I	159	169	
Height [mm]	J	78	95	
Bolt hole circle	V	LK $\varnothing 112 [3 \times M8]$	LK $\varnothing 126 [3 \times M6]$	LK $\varnothing 160 [3 \times M8]$ LK $\varnothing 180 [3 \times M8]$
Outer $\varnothing$ [mm]	AW	129	144	183 215
Weight [kg]		5		10
In stock		✓	✓	✓ ✓
Order no.		10818/0007	2523/0020	10818/0012 2523/0025

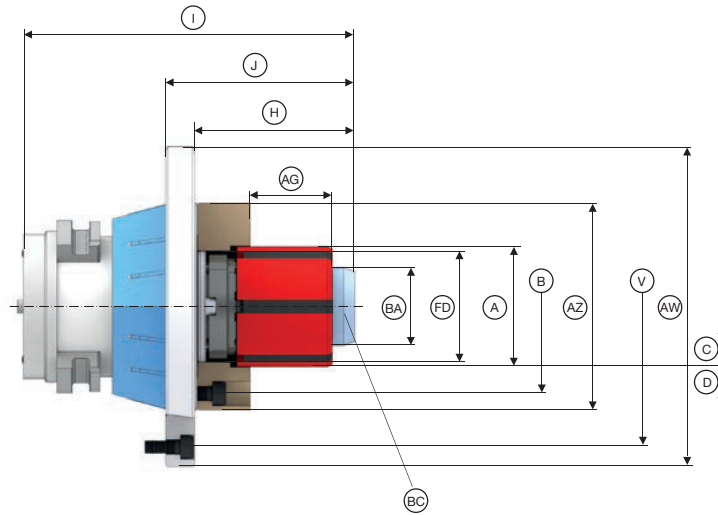
CENTREX interface repeatability  $\leq 0.003$  mm.





# ADAPTATION CLAMPING DEVICES MANDO Adapt [mandrel adaptation]

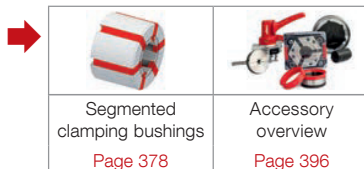
## MANDO Adapt T211 SE. Technical data



Size	4			
Adaptation size	65		100	
Suitable for	TOPlus mini	all except TOPlus mini	TOPlus mini	all except TOPlus mini
Clamping range [mm]	A	69 – 120		
Run-out $\leq$ [mm]		0,010		
Max. radial clamping force [kN]		150		
Max. axial drawtube force [pull / push] [kN]		35		
Max. clamping length [mm]	AG	59		
Release stroke in $\varnothing$ [mm]	C	0,6		
Reserve stroke in $\varnothing$ [mm]	D	0,5		
Range / recommended workpiece tolerance [mm]		$\pm 0,4$		
RPM n max. [1/min.]		6000		5000
Max. actuating torque [Nm]	BC	55		
Draw bolt $\varnothing$ [mm]	BA	68		
Reception workpiece end-stop	FD	$\varnothing 78 f7$		
End-stop outer $\varnothing$ [mm]	AZ	120		
Bolt hole circle end-stop	B	LK $\varnothing 90 [3 \times M6]$		
Length [mm]	H	80		
Total length [mm]	I	174		184
Height [mm]	J	110		
Bolt hole circle	V	LK $\varnothing 112 [3 \times M8]$	LK $\varnothing 126 [3 \times M6]$	LK $\varnothing 160 [3 \times M8]$ LK $\varnothing 180 [3 \times M8]$
Outer $\varnothing$ [mm]	AW	129	144	183    215
Weight [kg]		5		11
In stock		✓	✓	✓    ✓
Order no.		10818/0008	2523/0021	10818/0013    2523/0026

CENTREX interface repeatability  $\leq 0.003$  mm.

For size 4, clamping range 101 – 120 mm, a max. speed of 4200 RPM applies.



Adaptation clamping devices

Measuring technology/ Automation

Quick change-over systems

Special solutions

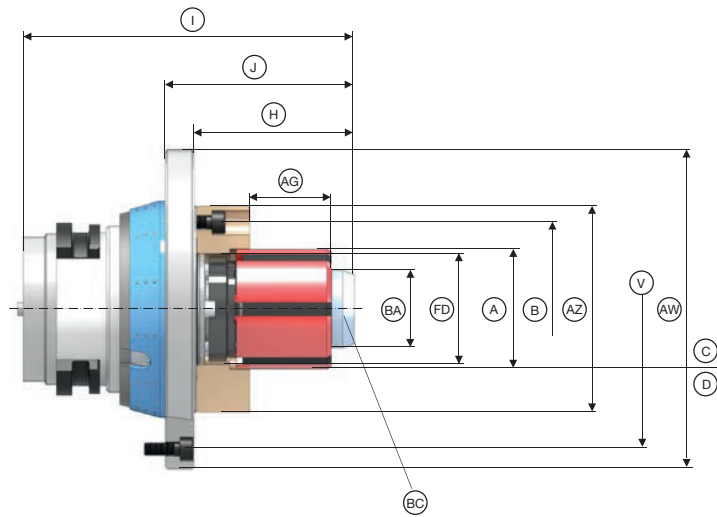
Clamping elements/ Accessories

Multi spindles



# ADAPTATION CLAMPING DEVICES MANDO Adapt [mandrel adaptation]

## MANDO Adapt T211 RD. Technical data



Size	0				
Adaptation size	42	52	65	80	100
Clamping range [mm]	A 20 – 28				
Run-out ≤ [mm]	0,010				
Max. radial clamping force [kN]	42				
Max. axial drawtube force [pull / push] [kN]	10				
Max. clamping length [mm]	AG 22				
Release stroke in Ø [mm]	C 0,4				
Reserve stroke in Ø [mm]	D 0,3				
Range / recommended workpiece tolerance [mm]	± 0,25				
RPM n max. [1/min.]	7000		6000	5500	5000
Max. actuating torque [Nm]	BC 10				
Draw bolt Ø [mm]	BA 19				
Reception workpiece end-stop	FD Ø 32 f7				
End-stop outer Ø [mm]	AZ 65				
Bolt hole circle end-stop	B LK Ø 50 [3 x M6]				
Length [mm]	H 40,8		40		
Total length [mm]	I 106	109	119		129
Height [mm]	J 55				
Bolt hole circle	V LK Ø 107 [3 x M6]		LK Ø 126 [3 x M6]	LK Ø 139 [3 x M6]	LK Ø 180 [3 x M8]
Outer Ø [mm]	AW 125		144	160	215
Weight [kg]	4		5	6	11
In stock	✓		✓	✓	✓
Order no.	2521/0025	2521/0019	2521/0011	2521/0001	2521/0010

CENTREX interface repeatability ≤ 0.003 mm.



Adaptation clamping devices

Measuring technology/ Automation

Quick change-over systems

Special solutions

Clamping elements/ Accessories

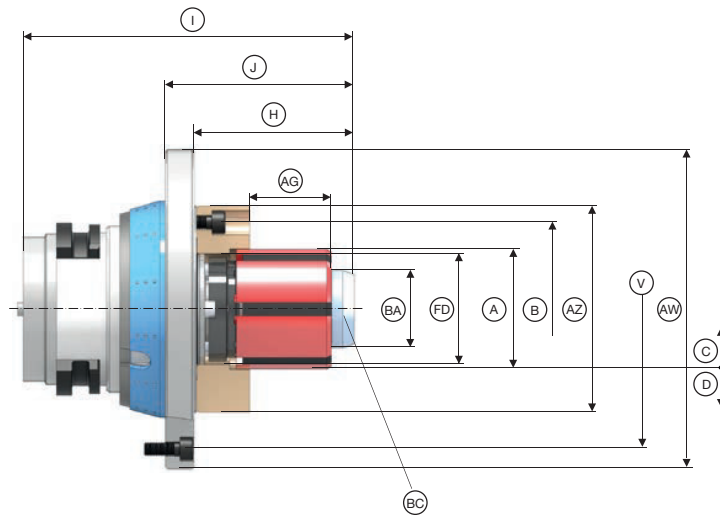
Multi spindles

# ADAPTATION CLAMPING DEVICES

## MANDO Adapt [mandrel adaptation]



### MANDO Adapt T211 RD. Technical data



Size	<b>1</b>				
Adaptation size	<b>42</b>	<b>52</b>	<b>65</b>	<b>80</b>	<b>100</b>
Clamping range [mm]	A				
Run-out ≤ [mm]	26 – 38				
Max. radial clamping force [kN]	0,010				
Max. axial drawtube force [pull / push] [kN]	42				
Max. clamping length [mm]	AG				
Release stroke in Ø [mm]	25,4				
Reserve stroke in Ø [mm]	26				
Range / recommended workpiece tolerance [mm]	± 0,25				
RPM n max. [1/min.]	7000				
Max. actuating torque [Nm]	BC				
Draw bolt Ø [mm]	20				
Reception workpiece end-stop	BA				
End-stop outer Ø [mm]	25				
Bolt hole circle end-stop	FD				
Total length [mm]	H				
Height [mm]	J				
Bolt hole circle	V				
Outer Ø [mm]	AW				
Weight [kg]	4				
In stock	-				
Order no.	2521/0027				
	2521/0020				
	2521/0012				
	2521/0002				
	2521/0006				

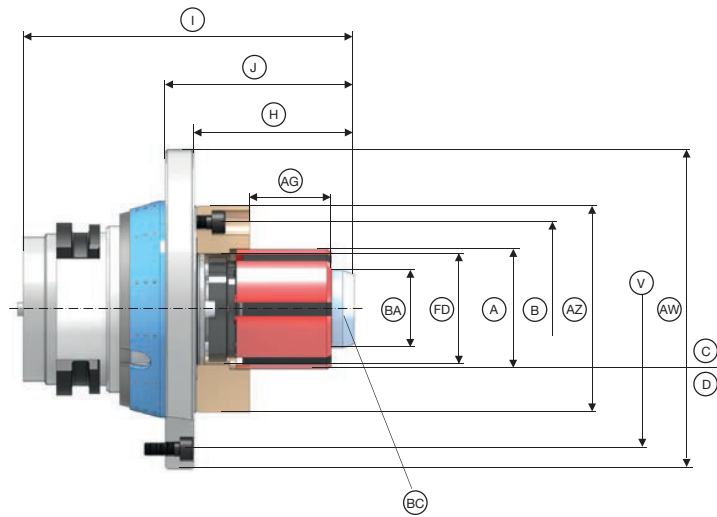
CENTREX interface repeatability ≤ 0.003 mm.





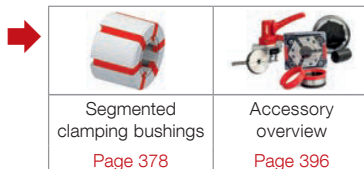
# ADAPTATION CLAMPING DEVICES MANDO Adapt [mandrel adaptation]

## MANDO Adapt T211 RD. Technical data



Size	<b>2</b>				
Adaptation size	42	52	65	80	100
Clamping range [mm]	A				
Run-out ≤ [mm]	36 – 54				
Max. radial clamping force [kN]	0,010				
Max. axial drawtube force [pull / push] [kN]	85				
Max. clamping length [mm]	20				
Release stroke in Ø [mm]	AG				
Reserve stroke in Ø [mm]	43				
Range / recommended workpiece tolerance [mm]	± 0,25				
RPM n max. [1/min.]	7000				
Max. actuating torque [Nm]	BC				
Draw bolt Ø [mm]	25				
Reception workpiece end-stop	BA				
End-stop outer Ø [mm]	35				
Bolt hole circle end-stop	FD				
Total length [mm]	Ø 50 f7				
Height [mm]	96				
Outer Ø [mm]	AZ				
Weight [kg]	B				
In stock	LK Ø 78 [3 x M6]				
Order no.	71				
	136	139	149	159	
	J				
	85				
	V				
	LK Ø 107 [3 x M6]				
	LK Ø 126 [3 x M6]				
	LK Ø 139 [3 x M6]				
	LK Ø 180 [3 x M8]				
	2,5	3	5	6	11
	-	✓	✓	✓	✓
	2521/0026	2521/0021	2521/0013	2521/0003	2521/0007

CENTREX interface repeatability ≤ 0.003 mm.



Segmented clamping bushings  
Page 378

Accessory overview  
Page 396

Adaptation clamping devices

Measuring technology/ Automation

Quick change-over systems

Special solutions

Clamping elements/ Accessories

Multi spindles

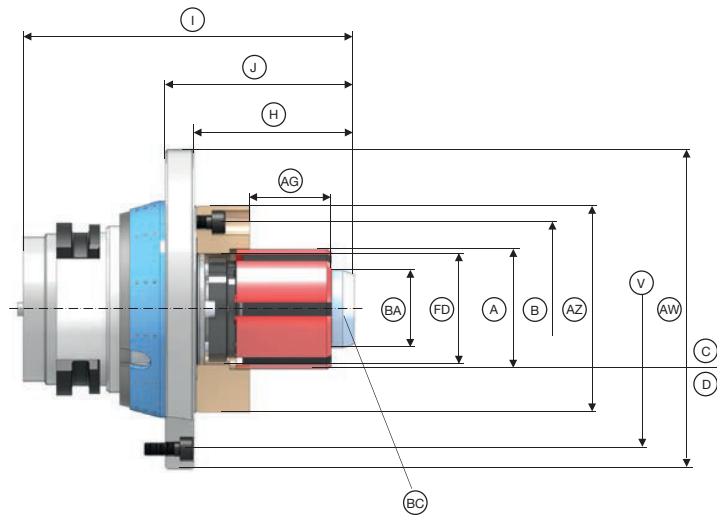


# ADAPTATION CLAMPING DEVICES

## MANDO Adapt [mandrel adaptation]



### MANDO Adapt T211 RD. Technical data



Size	<b>3</b>		
Adaptation size	<b>65</b>	<b>80</b>	<b>100</b>
Clamping range [mm] A		50 – 80	
Run-out ≤ [mm]		0,010	
Max. radial clamping force [kN]		105	
Max. axial drawtube force [pull / push] [kN]		25	
Max. clamping length [mm] AG		49	
Release stroke in Ø [mm] C		0,5	
Reserve stroke in Ø [mm] D		0,4	
Range / recommended workpiece tolerance [mm]		± 0,35	
RPM n max. [1/min.]	6000	5500	5000
Max. actuating torque [Nm] BC		55	
Draw bolt Ø [mm] BA		49	
Reception workpiece end-stop FD		Ø 65 f7	
End-stop outer Ø [mm] AZ		100	
Bolt hole circle end-stop B		LK Ø 80 [3 x M6]	
Length [mm] H		78	
Total length [mm] I		159	169
Height [mm] J		95	
Bolt hole circle V	LK Ø 126 [3 x M6]	LK Ø 139 [3 x M6]	LK Ø 180 [3 x M8]
Outer Ø [mm] AW	144	160	215
Weight [kg]	5	6	11
In stock	✓	✓	✓
Order no.	2521/0014	2521/0004	2521/0008

CENTREX interface repeatability ≤ 0.003 mm.

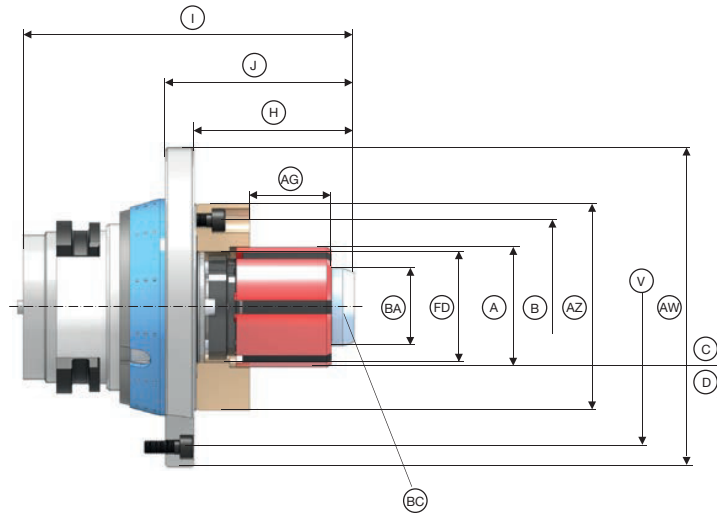




# ADAPTATION CLAMPING DEVICES

## MANDO Adapt [mandrel adaptation]

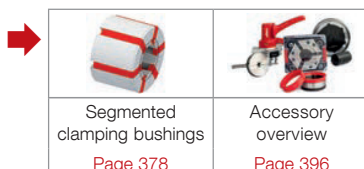
### MANDO Adapt T211 RD. Technical data



Size	4		
Adaptation size	65	80	100
Clamping range [mm]	A	69 – 120	
Run-out ≤ [mm]		0,010	
Max. radial clamping force [kN]		150	
Max. axial drawtube force [pull / push] [kN]		35	
Max. clamping length [mm]	AG	59	
Release stroke in Ø [mm]	C	0,6	
Reserve stroke in Ø [mm]	D	0,5	
Range / recommended workpiece tolerance [mm]		± 0,4	
RPM n max. [1/min.]	6000	5500	5000
Max. actuating torque [Nm]	BC	55	
Draw bolt Ø [mm]	BA	68	
Reception workpiece end-stop	FD	Ø 78 f7	
End-stop outer Ø [mm]	AZ	100	
Bolt hole circle end-stop	B	LK Ø 90 [3 x M6]	
Length [mm]	H	95	
Total length [mm]	I	174	184
Height [mm]	J	110	
Bolt hole circle	V	LK Ø 126 [3 x M6]	LK Ø 180 [3 x M8]
Outer Ø [mm]	AW	144	160
Weight [kg]		6	8
In stock		✓	✓
Order no.	2521/0015	2521/0005	2521/0009

CENTREX interface repeatability ≤ 0.003 mm.

For size 4, clamping range 101 – 120 mm, a max. speed of 4200 RPM applies.



Adaptation clamping devices

Measuring technology/ Automation

Quick change-over systems

Special solutions

Clamping elements/ Accessories

Multi spindles