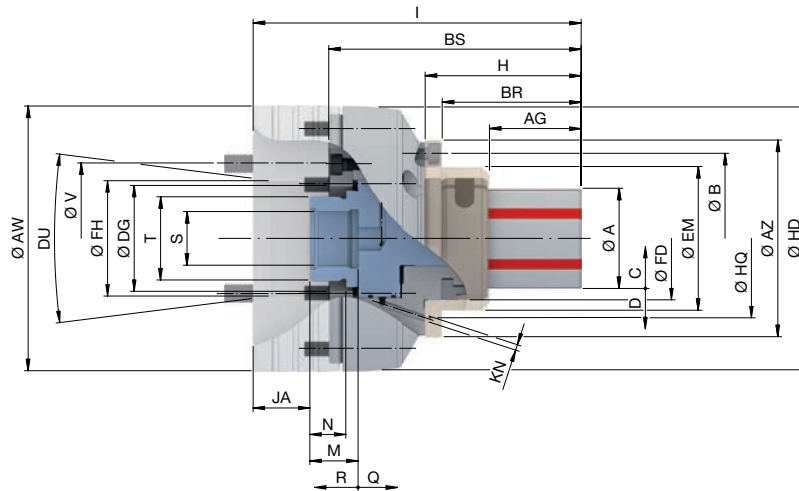




**MANDO T812 size XXS.** Technical data



Size	XXS								
Clamping range [mm]	A	8 – 13							
Spindle nose	DU	A2-4	A2-5	A2-6	A2-8	AP120	AP140	AP170	AP220
Run-out ≤ [mm]		0,025							
Max. radial clamping force [kN]		42							
Max. axial compression force [kN]		10							
Max. clamping length [mm]	AG	12,9							
Reserve stroke in Ø [mm]	D	0,2							
Release stroke in Ø [mm]	C	0,2							
RPM n max. [1/min.]		7000							
Reserve stroke axial [mm]	Q	1,5							
Release stroke axial [mm]	R	1,5							
Reception workpiece end-stop	FD	Ø 34 f7							
End-stop outer Ø [mm]	AZ	65							
End-stop outer Ø 2 [mm]	EM	41							
Bolt hole circle end-stop	B	LK Ø 53 [3 x M5]							
Length [mm]	H	44							
Length 2 [mm]	BS	96							
Total length [mm]	I	136		140		136			
Depth [mm]	BR	35							
Connecting thread inside	S	M30 x 1,5							
Connecting thread outside	T	M44 x 1,5							
Distance [mm]	JA	30		34		30			
Depth of thread [mm]	M	25,5							
Thread length [mm]	N	19							
Max. drawtube Ø [mm]	DG	54							
Minimum length of DG [mm]		13							
Bore-Ø	FH	61	79,6	103,2	100	77	80	103	
Bolt hole circle	V	LK Ø 82,6 [3 x M10]	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]	LK Ø 171,4 [6 x M16]
Outer Ø [mm]	AW	140		165		210		140	150
Outer Ø 2 [mm]	HD	139							
Air sensing control bolt hole circle-Ø [mm]	HQ	56							
Air sensing control bore Ø [mm]	KN	3							
Central air sensing connection Ø optional [mm]		12 H7							
Weight [kg]		9,1	8,5	9,5	14,4	8,7	9,3	11,1	16,6

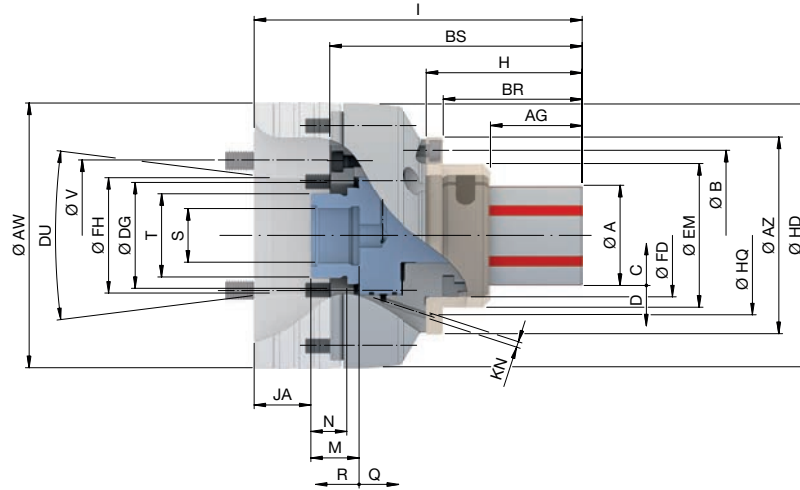


**Scope of delivery**

- Mandrel without spindle flange / without air sensing adapter
- Coupling ring
- Trimming sleeve for SAD segmented clamping bushings
- Mounting aid depending on size



**MANDO T812 size XS.** Technical data



Size	<b>XS</b>										
Clamping range [mm]	A	<b>13 – 19</b>									
Spindle nose	DU	A2-4	A2-5	A2-6	A2-8	AP120	AP140	AP170	AP220		
Run-out ≤ [mm]		0,025									
Max. radial clamping force [kN]		42									
Max. axial compression force [kN]		10									
Max. clamping length [mm]	AG	14									
Reserve stroke in Ø [mm]	D	0,3									
Release stroke in Ø [mm]	C	0,4									
RPM n max. [1/min.]		7000									
Reserve stroke axial [mm]	Q	1,5									
Release stroke axial [mm]	R	2									
Reception workpiece end-stop	FD	Ø 36 f7									
End-stop outer Ø [mm]	AZ	65									
End-stop outer Ø 2 [mm]	EM	42									
Bolt hole circle end-stop	B	LK Ø 53 [3 x M6]									
Length [mm]	H	47,5									
Length 2 [mm]	BS	99									
Total length [mm]	I	137		141		137					
Depth [mm]	BR	39,5									
Connecting thread inside	S	M30 x 1,5									
Connecting thread outside	T	M44 x 1,5									
Distance [mm]	JA	30		34		30					
Depth of thread [mm]	M	25,5									
Thread length [mm]	N	19									
Max. drawtube Ø [mm]	DG	54									
Minimum length of DG [mm]		13									
Bore-Ø	FH	61	79,6	103,2	100	77	80	103			
Bolt hole circle	V	LK Ø 82,6 [3 x M10]	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]	LK Ø 171,4 [6 x M16]		
Outer Ø [mm]	AW	140		165		210		140	150	180	230
Outer Ø 2 [mm]	HD	139									
Air sensing control bolt hole circle- Ø [mm]	HQ	56									
Air sensing control bore Ø [mm]	KN	3									
Central air sensing connection Ø optional [mm]		12 H7									
Weight [kg]		9	8,4	9,4	14,3	8,6	9,2	11	16,5		

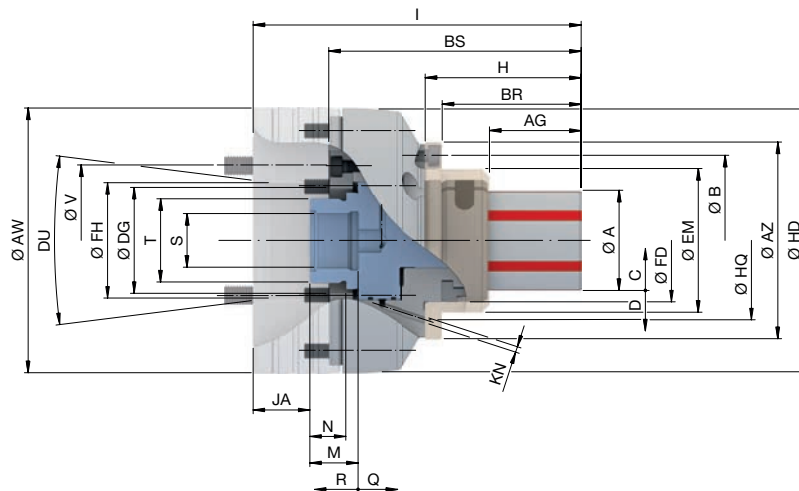


**Scope of delivery**

- Mandrel without spindle flange / without air sensing adapter
- Coupling ring
- Trimming sleeve for SAD segmented clamping bushings
- Mounting aid depending on size



**MANDO T812 size S.** Technical data



Size	<b>S</b>								
Clamping range [mm]	A	<b>16 – 21</b>							
Spindle nose	DU	A2-4	A2-5	A2-6	A2-8	AP120	AP140	AP170	AP220
Run-out ≤ [mm]		0,025							
Max. radial clamping force [kN]		42							
Max. axial compression force [kN]		10							
Max. clamping length [mm]	AG	15							
Reserve stroke in Ø [mm]	D	0,3							
Release stroke in Ø [mm]	C	0,4							
RPM n max. [1/min.]		7000							
Reserve stroke axial [mm]	Q	1,5							
Release stroke axial [mm]	R	2							
Reception workpiece end-stop	FD	Ø 39 f7							
End-stop outer Ø [mm]	AZ	70							
End-stop outer Ø 2 [mm]	EM	45							
Bolt hole circle end-stop		LK Ø 57 [3 x M6]							
Length [mm]	H	49,5							
Length 2 [mm]	BS	102							
Total length [mm]	I	139		143		139			
Depth [mm]	BR	41,5							
Connecting thread inside	S	M30 x 1,5							
Connecting thread outside	T	M44 x 1,5							
Distance [mm]	JA	30		34		30			
Depth of thread [mm]	M	25,5							
Thread length [mm]	N	19							
Max. drawtube Ø [mm]	DG	54							
Minimum length of DG [mm]		13							
Bore-Ø	FH	61	79,6	103,2	100	77	80	103	
Bolt hole circle	V	LK Ø 82,6 [3 x M10]	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]	LK Ø 171,4 [6 x M16]
Outer Ø [mm]	AW	140		165		210		140	150
Outer Ø 2 [mm]	HD	139							
Air sensing control bolt hole circle-Ø [mm]	HQ	60							
Air sensing control bore Ø [mm]	KN	3							
Central air sensing connection Ø optional [mm]		12 H7							
Weight [kg]		9,2	8,6	9,6	14,5	8,8	9,4	11,2	16,7

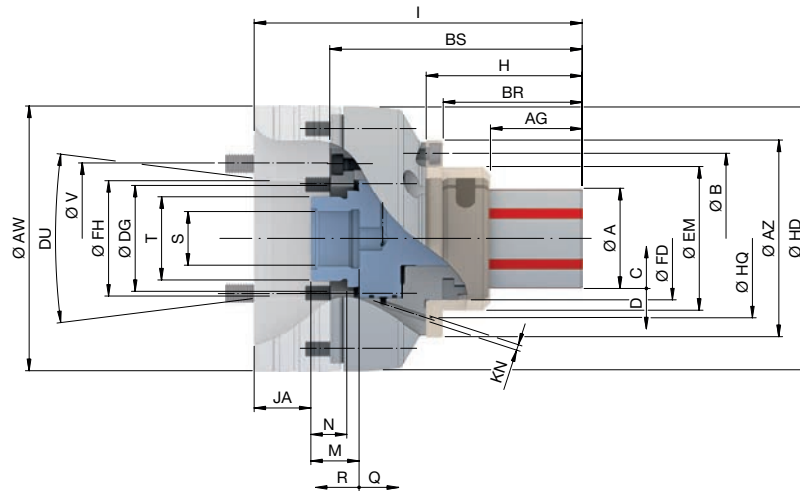


**Scope of delivery**

- Mandrel without spindle flange / without air sensing adapter
- Coupling ring
- Trimming sleeve for SAD segmented clamping bushings
- Mounting aid depending on size



**MANDO T812 size 0. Technical data**



Size	0								
Clamping range [mm]	A	20 – 28							
Spindle nose	DU	A2-4	A2-5	A2-6	A2-8	AP120	AP140	AP170	AP220
Run-out ≤ [mm]		0,015							
Max. radial clamping force [kN]		42							
Max. axial compression force [kN]		10							
Max. clamping length [mm]	AG	21							
Reserve stroke in Ø [mm]	D	0,3							
Release stroke in Ø [mm]	C	0,4							
RPM n max. [1/min.]		7000							
Reserve stroke axial [mm]	Q	1,5							
Release stroke axial [mm]	R	2							
Reception workpiece end-stop	FD	Ø 47 f7							
End-stop outer Ø [mm]	AZ	90							
End-stop outer Ø 2 [mm]	EM	54							
Bolt hole circle end-stop		LK Ø 70 [3 x M6]							
Length [mm]	H	60,5							
Length 2 [mm]	BS	114							
Total length [mm]	I	152		156		152			
Depth [mm]	BR	51,5							
Connecting thread inside	S	M30 x 1,5							
Connecting thread outside	T	M44 x 1,5							
Distance [mm]	JA	30		34		30			
Depth of thread [mm]	M	25,5							
Thread length [mm]	N	19							
Max. drawtube Ø [mm]	DG	54							
Minimum length of DG [mm]		13							
Bore-Ø	FH	61	79,6	103,2	100	77	80	103	
Bolt hole circle	V	LK Ø 82,6 [3 x M10]	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]	LK Ø 171,4 [6 x M16]
Outer Ø [mm]	AW	140		165		140		150	
Outer Ø 2 [mm]	HD	139							
Air sensing control bolt hole circle-Ø [mm]	HQ	70							
Air sensing control bore Ø [mm]	KN	3							
Central air sensing connection Ø optional [mm]		12 H7							
Weight [kg]		9,9	9,3	10,3	15,2	9,5	10,1	11,9	17,4

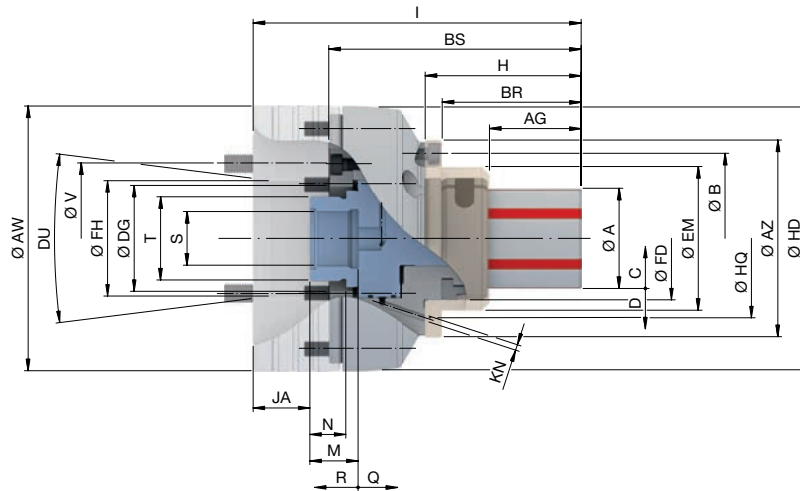


**Scope of delivery**

- Mandrel without spindle flange / without air sensing adapter
- Coupling ring
- Trimming sleeve for SAD segmented clamping bushings
- Mounting aid depending on size



**MANDO T812 size 1.** Technical data



Size	<b>1</b>								
Clamping range [mm]	A	<b>26 – 38</b>							
Spindle nose	DU	A2-4	A2-5	A2-6	A2-8	AP120	AP140	AP170	AP220
Run-out ≤ [mm]		0,015							
Max. radial clamping force [kN]		42							
Max. axial compression force [kN]		10							
Max. clamping length [mm]	AG	25							
Reserve stroke in Ø [mm]	D	0,3							
Release stroke in Ø [mm]	C	0,4							
RPM n max. [1/min.]		7000							
Reserve stroke axial [mm]	Q	1,5							
Release stroke axial [mm]	R	2							
Reception workpiece end-stop	FD	Ø 55 f7							
End-stop outer Ø [mm]	AZ	90							
End-stop outer Ø 2 [mm]	EM	62							
Bolt hole circle end-stop	B	LK Ø 75 [3 x M6]							
Length [mm]	H	66,5							
Length 2 [mm]	BS	117,5							
Total length [mm]	I	156		160		156			
Depth [mm]	BR	57,5							
Connecting thread inside	S	M30 x 1,5							
Connecting thread outside	T	M44 x 1,5							
Distance [mm]	JA	30		34		30			
Depth of thread [mm]	M	25,5							
Thread length [mm]	N	19							
Max. drawtube Ø [mm]	DG	54							
Minimum length of DG [mm]		13							
Bore-Ø	FH	61	79,6	133,4	100	77	80	103	
Bolt hole circle	V	LK Ø 82,6 [3 x M10]	LK Ø 104,8 [6 x M10]	LK Ø 103,2 [6 x M12]	LK Ø 171,4 [6 x M16]	LK Ø 104,8 [6 x M10]		LK Ø 133,4 [6 x M12]	LK Ø 171,4 [6 x M16]
Outer Ø [mm]	AW	140		165		210		140	150
Outer Ø 2 [mm]	HD	139							
Air sensing control bolt hole circle-Ø [mm]	HQ	70							
Air sensing control bore Ø [mm]	KN	3							
Central air sensing connection Ø optional [mm]		12 H7							
Weight [kg]		10	9,3	10,3	15,2	9,5	10	12	17,4

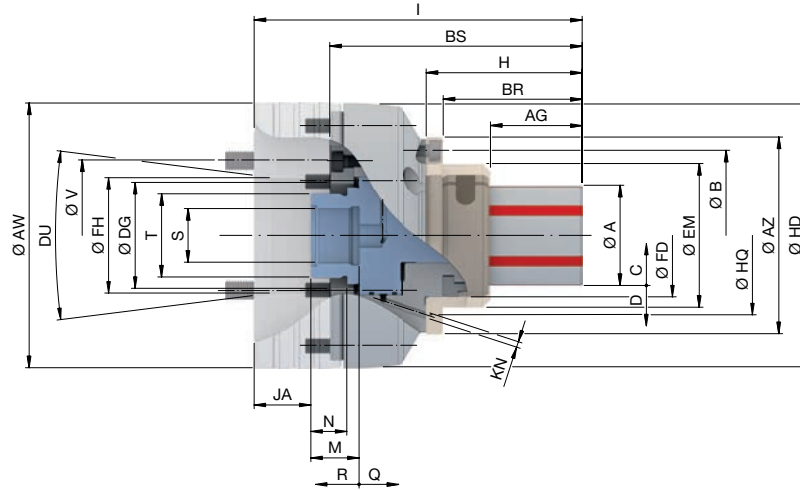


**Scope of delivery**

- Mandrel without spindle flange / without air sensing adapter
- Coupling ring
- Trimming sleeve for SAD segmented clamping bushings
- Mounting aid depending on size



**MANDO T812 size 2. Technical data**



Size	<b>2</b>								
Clamping range [mm]	A	<b>36 – 54</b>							
Spindle nose	DU	A2-4	A2-5	A2-6	A2-8	AP120	AP140	AP170	AP220
Run-out ≤ [mm]		0,015							
Max. radial clamping force [kN]		85							
Max. axial compression force [kN]		20							
Max. clamping length [mm]	AG	40							
Reserve stroke in Ø [mm]	D	0,3							
Release stroke in Ø [mm]	C	0,5							
RPM n max. [1/min.]		7000							
Reserve stroke axial [mm]	Q	1,5							
Release stroke axial [mm]	R	2,5							
Reception workpiece end-stop	FD	Ø 65 f7							
End-stop outer Ø [mm]	AZ	104							
End-stop outer Ø 2 [mm]	EM	76							
Bolt hole circle end-stop	B	LK Ø 90 [3 x M6]							
Length [mm]	H	82,5							
Length 2 [mm]	BS	133,5							
Total length [mm]	I	173,5			176		172		
Depth [mm]	BR	73,5							
Connecting thread inside	S	M30 x 1,5							
Connecting thread outside	T	M44 x 1,5							
Distance [mm]	JA	30			34		30		
Depth of thread [mm]	M	25,5							
Thread length [mm]	N	19							
Max. drawtube Ø [mm]	DG	54							
Minimum length of DG [mm]		13							
Bore-Ø	FH	61	79,6	103,2	100	77	80	103	
Bolt hole circle	V	LK Ø 82,6 [3 x M10]	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]	LK Ø 171,4 [6 x M16]
Outer Ø [mm]	AW	140		165	210	140	150	180	230
Outer Ø 2 [mm]	HD	139							
Air sensing control bolt hole circle-Ø [mm]	HQ	84							
Air sensing control bore Ø [mm]	KN	3							
Central air sensing connection Ø optional [mm]		12 H7							
Weight [kg]		10,7	10	11	16	10,3	11	12,7	18,2

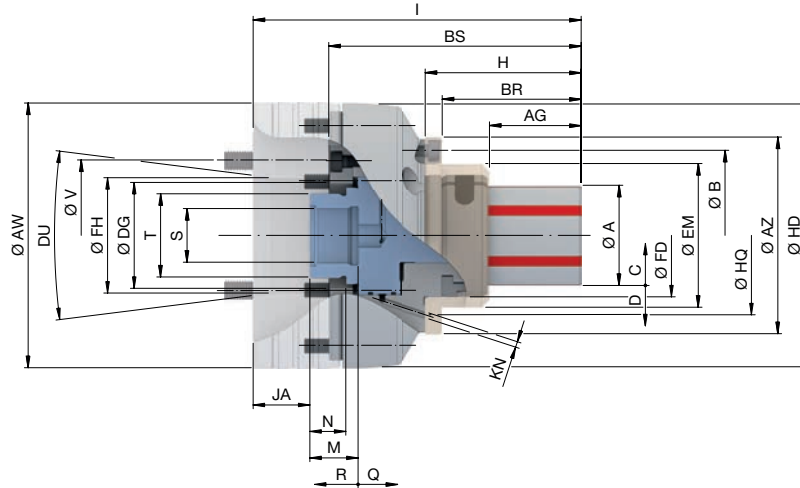


**Scope of delivery**

- Mandrel without spindle flange / without air sensing adapter
- Coupling ring
- Trimming sleeve for SAD segmented clamping bushings
- Mounting aid depending on size



**MANDO T812 size 3. Technical data**



Size	<b>3</b>								
Clamping range [mm]	A	<b>50 – 80</b>							
Spindle nose	DU	A2-4	A2-5	A2-6	A2-8	AP120	AP140	AP170	AP220
Run-out ≤ [mm]		0,015							
Max. radial clamping force [kN]		105							
Max. axial compression force [kN]		25							
Max. clamping length [mm]	AG	44,5							
Reserve stroke in Ø [mm]	D	0,4							
Release stroke in Ø [mm]	C	0,5							
RPM n max. [1/min.]		6000							
Reserve stroke axial [mm]	Q	2							
Release stroke axial [mm]	R	2,5							
Reception workpiece end-stop	FD	Ø 83 f7							
End-stop outer Ø [mm]	AZ	120							
End-stop outer Ø 2 [mm]	EM	105							
Bolt hole circle end-stop	B	LK Ø 104 [3 x M6]							
Length [mm]	H	89,5							
Length 2 [mm]	BS	141,5							
Total length [mm]	I	179		183		179			
Depth [mm]	BR	80,0							
Connecting thread inside	S	M30 x 1,5							
Connecting thread outside	T	M44 x 1,5							
Distance [mm]	JA	30		34		30			
Depth of thread [mm]	M	25,5							
Thread length [mm]	N	19							
Max. drawtube Ø [mm]	DG	54							
Minimum length of DG [mm]		13							
Bore-Ø	FH	61	79,6	103,2	100	77	80	103	
Bolt hole circle	V	LK Ø 82,6 [3 x M10]	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]	LK Ø 171,4 [6 x M16]
Outer Ø [mm]	AW	140		165		210		140	150
Outer Ø 2 [mm]	HD	139							
Air sensing control bolt hole circle-Ø [mm]	HQ	100							
Air sensing control bore Ø [mm]	KN	3							
Central air sensing connection Ø optional [mm]		12 H7							
Weight [kg]		11,8	11,2	12,2	17	11,4	12	13,8	19,3

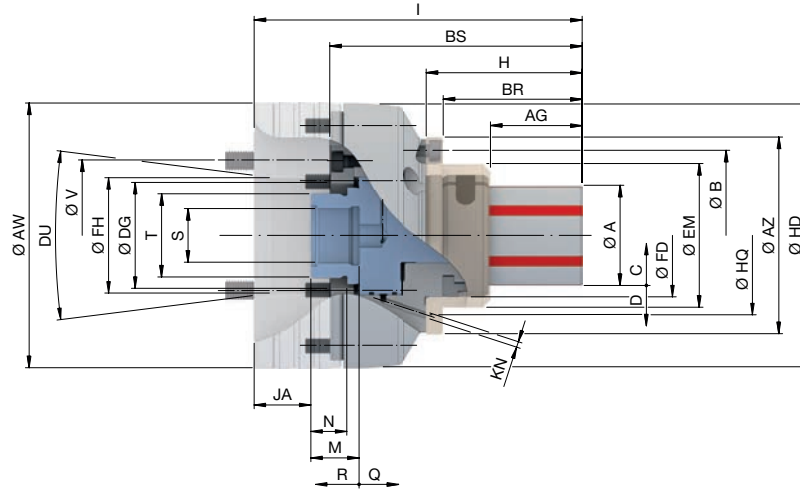


**Scope of delivery**

- Mandrel without spindle flange / without air sensing adapter
- Coupling ring
- Trimming sleeve for SAD segmented clamping bushings
- Mounting aid depending on size



**MANDO T812 size 4. Technical data**



Size	<b>4</b>								
Clamping range [mm]	A	<b>69 – 100</b>							
Spindle nose	DU	A2-4	A2-5	A2-6	A2-8	AP120	AP140	AP170	AP220
Run-out ≤ [mm]		0,015							
Max. radial clamping force [kN]		150							
Max. axial compression force [kN]		35							
Max. clamping length [mm]	AG	52,5							
Reserve stroke in Ø [mm]	D	0,5							
Release stroke in Ø [mm]	C	0,6							
RPM n max. [1/min.]		6000							
Reserve stroke axial [mm]	Q	2,5							
Release stroke axial [mm]	R	3							
Reception workpiece end-stop	FD	Ø 103 f7							
End-stop outer Ø [mm]	AZ	138							
End-stop outer Ø 2 [mm]	EM	124							
Bolt hole circle end-stop	B	LK Ø 124 [3 x M6]							
Length [mm]	H	100							
Length 2 [mm]	BS	151,5							
Total length [mm]	I	189		193		189			
Depth [mm]	BR	90,5							
Connecting thread inside	S	M30 x 1,5							
Connecting thread outside	T	M44 x 1,5							
Distance [mm]	JA	30		34		30			
Depth of thread [mm]	M	25,5							
Thread length [mm]	N	19							
Max. drawtube Ø [mm]	DG	54							
Minimum length of DG [mm]		13							
Bore-Ø	FH	61	79,6	103,2	100	77	80	103	
Bolt hole circle	V	LK Ø 82,6 [3 x M10]	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]	LK Ø 171,4 [6 x M16]
Outer Ø [mm]	AW	140		165		210		140	150
Outer Ø 2 [mm]	HD	139							
Air sensing control bolt hole circle-Ø [mm]	HQ	116							
Air sensing control bore Ø [mm]	KN	3							
Central air sensing connection Ø optional [mm]		12 H7							
Weight [kg]		13,2	12,6	13,6	18,5	12,8	13,4	15,2	20,7



**Scope of delivery**

- Mandrel without spindle flange / without air sensing adapter
- Coupling ring
- Trimming sleeve for SAD segmented clamping bushings
- Mounting aid depending on size