

APPLICATION

For the rational turning of workpieces on its entire length without reclamping with max. precision.

TYPE

Basic body with morse taper and hydraulic pressure compensation.
Clamping circuit Ø 8-80 mm.
Workpiece weight max. 100 kg.

CUSTOMER BENEFITS

- ⊕ Constant clamping force thanks to hydraulic pressure compensation, even for uneven workpiece faces
- ⊕ Stable and constant workpiece length stop on the front side thanks to resilient centre point
- ⊕ Maximum concentricity of up to 0.015 mm
- ⊕ Maximum flexibility thanks to universal exchange of driving disc and centre point

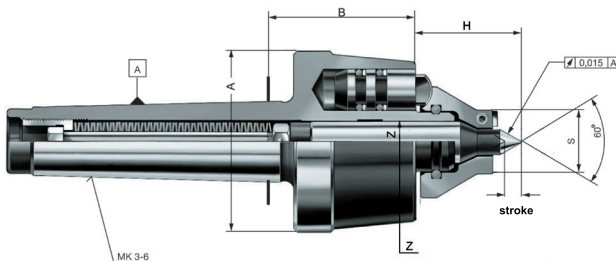
TECHNICAL FEATURES

- Guide value for axially permissible total load on 3 support pistons: 20.000 N

A14

Basic body with morse taper (basic body without driving disc and centre), **hydraulic**

Item no.	MT	A mm	B mm	H mm	Z mm	Stroke Centre mm	Weight approx. g
088173	3	70	54	max. 45 min. 26	16	10	1600
088174	4	70	56,5	max. 45 min. 26	16	15	1800
088175	5	70	56,5	max. 45 min. 26	16	15	2800
088176	6	70	56,5	max. 45 min. 26	16	15	4400



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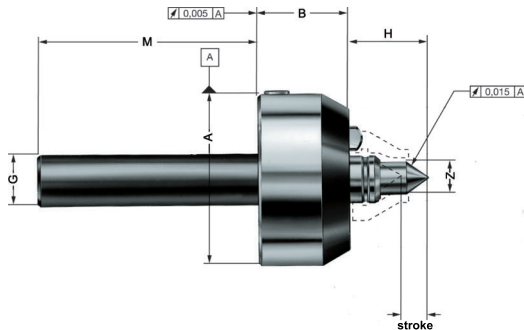
TECHNICAL FEATURES

- Guide value for axially permissible total load on 3 support pistons: 20.000 N

A14

Basic body with morse taper, with draw-off nut (basic body without driving disc and centre), **hydraulic**

Item no.	MT	A mm	B mm	H mm	Z mm	Stroke Centre mm	Weight approx. g
088177	3	82	54	max. 45 min. 26	16	10	1800
088178	4	82	56,5	max. 45 min. 26	16	15	2200
088179	5	82	56,5	max. 45 min. 26	16	15	3000
088180	6	82	56,5	max. 45 min. 26	16	15	4600



APPLICATION

For the rational turning of workpieces on its entire length without reclamping with max. precision.

TYPE

Basic body with cylindrical shank and hydraulic pressure compensation. Clamping circuit \varnothing 8-80 mm. Workpiece weight max. 100 kg.

CUSTOMER BENEFITS

- ③ Constant clamping force thanks to hydraulic pressure compensation, even for uneven workpiece faces
- ③ Stable and constant workpiece length stop on the front side thanks to resilient centre point
- ③ Maximum concentricity of up to 0.015 mm
- ③ Maximum flexibility thanks to universal exchange of driving disc and centre point

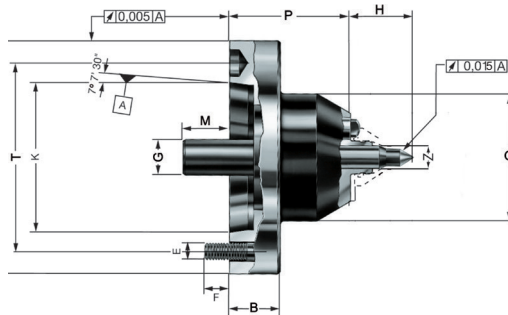
TECHNICAL FEATURES

- Guide value for axially permissible total load on 3 support pistons: 20.000 N

A14
Basic body with **cylindrical shank** for clamping in lathe chucks, with **spring package** (basic body without driving disc and centre) **mechanical / hydraulic**

Item no.	A mm	B mm	G mm	H mm	M mm	Z mm	Stroke Centre mm	Weight approx. g
088074 ¹⁾	85	45	25	max. 45 min. 26	110	16	15	2300
313085 ²⁾	85	45	25	max. 45 min. 26	110	16	15	2300

¹⁾ with hydraulic compensation
²⁾ with mechanical compensation



APPLICATION

For the rational turning of workpieces on its entire length without reclamping with max. precision.

TYPE

Basic body with short taper and mechanical pressure compensation. Clamping circuit \varnothing 8-80 mm. Workpiece weight max. 100 kg.

CUSTOMER BENEFITS

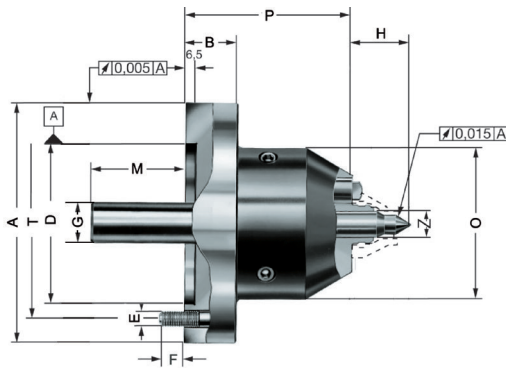
- ③ Constant clamping force thanks to mechanical pressure compensation, even for uneven workpiece faces
- ③ Stable and constant workpiece length stop on the front side thanks to resilient centre point
- ③ Maximum concentricity of up to 0.015 mm
- ③ Maximum flexibility thanks to universal exchange of driving disc and centre point

TECHNICAL FEATURES

- Guide value for axially permissible total load on 3 support pistons: 20.000 N

A14
Basic body with **short taper ISO 702-1** (DIN 55026), with **spring package** (basic body without driving disc and centre) **mechanical**

Item no.	Short-taper	A mm	B mm	E	F mm	G mm	H mm	K mm	M mm	O mm	P mm	T mm	Z mm	Stroke Centre mm	Weight approx. g
313905	5	133	-	M 10	15	25	max. 45 min. 26	82,563	32	90	86	104,8	16	11	6500
313906	6	165	35	M 12	18	25	max. 45 min. 26	106,375	32	90	86	133,4	16	11	7000
313907	8	210	40	M 16	23	25	max. 45 min. 26	139,719	32	90	86	171,4	16	11	8100



APPLICATION

For the rational turning of workpieces on its entire length without reclamping with max. precision.

TYPE

Basic body with centring mount and hydraulic / mechanical pressure compensation.
Clamping circuit \varnothing 8-80 mm.
Workpiece weight max. 100 kg.

CUSTOMER BENEFITS

- ⊕ Constant clamping force thanks to hydraulic / mechanical pressure compensation, even for uneven workpiece faces
- ⊕ Stable and constant workpiece length stop on the front side thanks to resilient centre point
- ⊕ Maximum concentricity of up to 0.015 mm
- ⊕ Maximum flexibility thanks to universal exchange of driving disc and centre point

TECHNICAL FEATURES

- Guide value for axially permissible total load on 3 support pistons: 20.000 N

A14

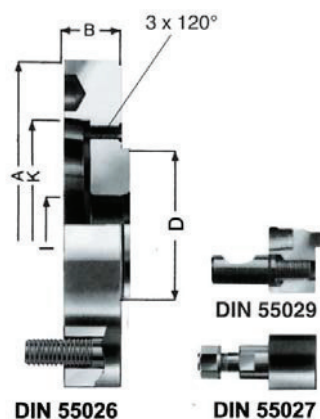
Basic body flange type, with spring set (basic body without driving disc and centre) mechanical / hydraulic

Item no.	A mm	B mm	D mm	E	F mm	G mm	H mm	M mm	O mm	P mm	T mm	Z mm	Stroke Centre mm	Weight approx. g
088046 ¹⁾	142	30	100	M 10	15	25	max. 45 min. 26	61	90	98	120	16	15	7300
313910 ²⁾	142	30	100	M 10	15	25	max. 45 min. 26	61	90	98	120	16	15	7300

¹⁾ with hydraulic compensation

²⁾ with mechanical compensation

Adapter plate CoA



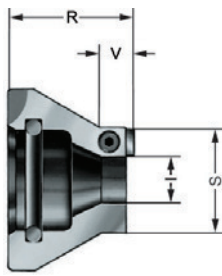
A14
Adapter plate **short taper**

Item no.	Design	Taper	A mm	B mm	D mm	I mm	K mm	Weight approx. g
088485	ISO 702-1	5	140	30	100	38	82,563	3100
088486	ISO 702-1	6	167	35	100	38	106,39	4800
088487	ISO 702-1	8	216	40	100	38	139,735	8700
088488	ISO 702-1	11	280	45	100	38	196,885	17000
088480	ISO 702-3	5	140	30	100	38	82,563	3100
088481	ISO 702-3	6	167	35	100	38	106,39	4800
088482	ISO 702-3	8	216	40	100	38	139,735	8700
088483	ISO 702-3	11	280	45	100	38	196,885	17000
088495	ISO 702-2	5	140	30	100	38	82,563	3100
088496	ISO 702-2	6	167	35	100	38	106,39	4800
088497	ISO 702-2	8	216	40	100	38	139,735	8700
088498	ISO 702-2	11	280	45	100	38	196,885	17000

Accessories CoA

A14

Driving discs, with interchangeable carbide driving plates 6 x 3.2, right- and left-hand rotation

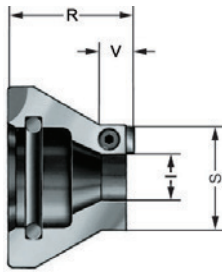


Item no.	Clamping circuit Ø S mm	Approx. turning range	l mm	R mm	V mm	Assoc. centre point Ø Y mm	Axial load max. N
088545	20 H	21-40	7	30	5	6	8000
088546	25 H	26-50	11	30	8	10	8000
088547	32 H	33-64	17,5	30	10	16	8000

Accessories face drivers CoA

A14

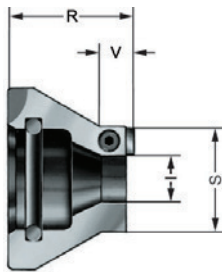
Driving discs, with interchangeable carbide driving plates 6 x 3.2, right-hand rotation



Item no.	Clamping circuit Ø S mm	Approx. turning range	l mm	R mm	V mm	Assoc. centre point Ø Y mm	Axial load max. N
089065	20 H	21-40	7	30	5	6	8000
089066	25 H	26-50	11	30	8	10	8000
089067	32 H	33-64	17,5	30	10	16	8000

A14

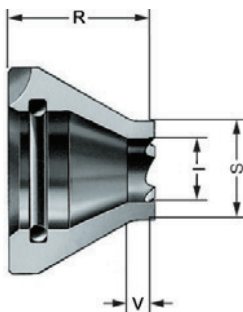
Driving discs, with interchangeable carbide driving plates 6 x 3.2, left-hand rotation



Item no.	Clamping circuit Ø S mm	Approx. turning range	l mm	R mm	V mm	Assoc. centre point Ø Y mm	Axial load max. N
089085	20 H	21-40	7	30	5	6	8000
089086	25 H	26-50	11	30	8	10	8000
089087	32 H	33-64	17,5	30	10	16	8000

A14

Driving discs, toothed, right- and left-hand rotation

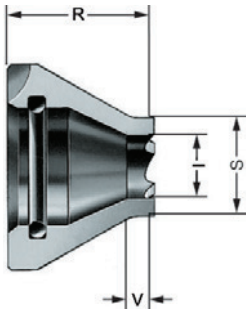


Item no.	Clamping circuit Ø S mm	Approx. turning range	l mm	R mm	V mm	Assoc. centre point Ø Y mm	Axial load max. N
088541	8	9-16	4,5	38	4	4	4000
088542	10	11-20	4,5	38	4	4	6000
088543	12	13-24	7	36	4	6	6000
088544	16	17-32	11	33	4	10	6000

Driving discs with carbide tothing on request

Accessories CoA

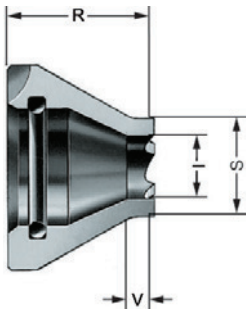
A14

Driving discs, toothed, right-hand rotation


Item no.	Clamping circuit Ø S mm	Approx. turning range	l mm	R mm	V mm	Assoc. centre point Ø Y mm	Axial load max. N
088061	8	9-16	4,5	38	4	4	4000
088062	10	11-20	4,5	38	4	4	6000
088063	12	13-24	7	36	4	6	6000
088064	16	17-32	11	33	4	10	6000
088065	20	21-40	13	30	4	12	8000
088066	25	26-50	17	30	8	16	10000
088067	32	33-64	22	30	10	16	12500

Driving discs with carbide tothing, friction lining or diamond grain on request

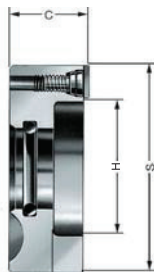
A14

Driving discs, toothed, left-hand rotation


Item no.	Clamping circuit Ø S mm	Approx. turning range	l mm	R mm	V mm	Assoc. centre point Ø Y mm	Axial load max. N
088081	8	9-16	4,5	38	4	4	4000
088082	10	11-20	4,5	38	4	4	6000
088083	12	13-24	7	36	4	6	6000
088084	16	17-32	11	33	4	10	6000
088085	20	21-40	13	30	4	12	8000
088086	25	26-50	17	30	8	16	10000
088087	32	33-64	22	30	10	16	12500

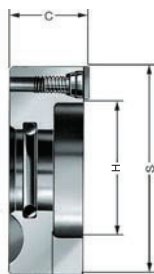
Driving discs with carbide tothing on request

A14

Driving discs, with interchangeable carbide driving plates 6 x 3,2, right- and left-hand rotation


Item no.	Clamping circuit Ø S mm	Approx. turning range	H mm	C mm	Assoc. centre point Ø Y mm	Axial load max. N
088548	40	41-80	20	24	16	14000
088549	50	51-100	28	24	16	14000
088550	63	64-126	41	24	16	14000
088551	80	81-160	58	24	16	14000

A14

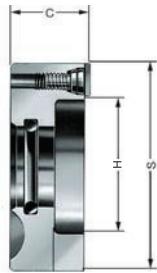
Driving discs, with interchangeable carbide driving plates 6 x 3,2, right-hand rotation


Item no.	Clamping circuit Ø S mm	Approx. turning range	H mm	C mm	Assoc. centre point Ø Y mm	Axial load max. N
088068	40	41-80	20	24	16	14000
088069	50	51-100	28	24	16	14000
088070	63	64-126	41	24	16	14000
088071	80	81-160	58	24	16	14000

Accessories CoA

A14

Driving discs, with interchangeable carbide driving plates 6 x 3,2, **left-hand rotation**

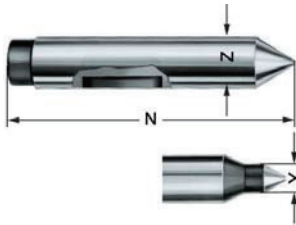


Item no.	Clamping circuit Ø S mm	Approx. turning range	H mm	C mm	Assoc. centre point Ø Y mm	Axial load max. N
088088	40	41-80	20	24	16	14000
088089	50	51-100	28	24	16	14000
088090	63	64-126	41	24	16	14000
088091	80	81-160	58	24	16	14000

Accessories face drivers CoA

A14

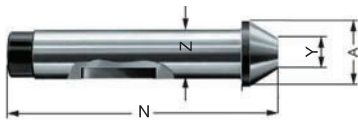
Centres CoA



Item no.	Clamping circuit Ø S mm	N mm	Y mm	Z mm
088351	8-10	90	4	16
088352	12	90	6	16
088353	16	90	10	16
088354	20	90	12	16
088355	25-80	90	16	16
086758	25-80	110	16	16

A14

Centres CoA



Item no.	Taper Ø		N mm	Z mm	Weight approx. g
	A mm	Y mm			
086619	21	10	90	16	136
086620	27	16	90	16	153
688878	34	23	90	16	190
086621	40	29	90	16	210
688880	48	37	90	16	250
086622	56	45	90	16	312

A14

Carbide driving plates, right- and left-hand rotation



Item no.	Size	Clamping circuit Ø mm
088970	6x3,2	20-32
087931	9,5x3,2	40-80

A14

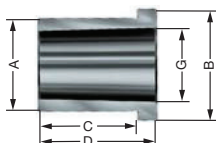
Carbide driving plates, right- or left-hand rotation



Item no.	Size	Clamping circuit Ø mm
088810	6x3,2	20-32
088209	9,5x3,2	40-80

A14

Mounting sleeve, for clamping the face driver in the rotary chuck



Item no.	MT inside	A mm	B mm	C mm	D mm	G mm
085033	3	32	39	32	40	23,825
085034	4	40	47	42	50	31,267
085035	5	55	62	52	60	44,399
085036	6	75	83	62	70	63,448

Accessories CoA

Accessories face drivers CoA

C15
Threaded pin



Item no.	Size	Clamping circuit Ø mm
234695	M 4 x 6	20
048205	M 5 x 8	25+32
088205	M 5 x 8	40-80

C15
O-ring



Item no.	Size
006252	21,82x3,53

A14
RÖHM slide rule for determining the axial tailstock force



Item no.
088230