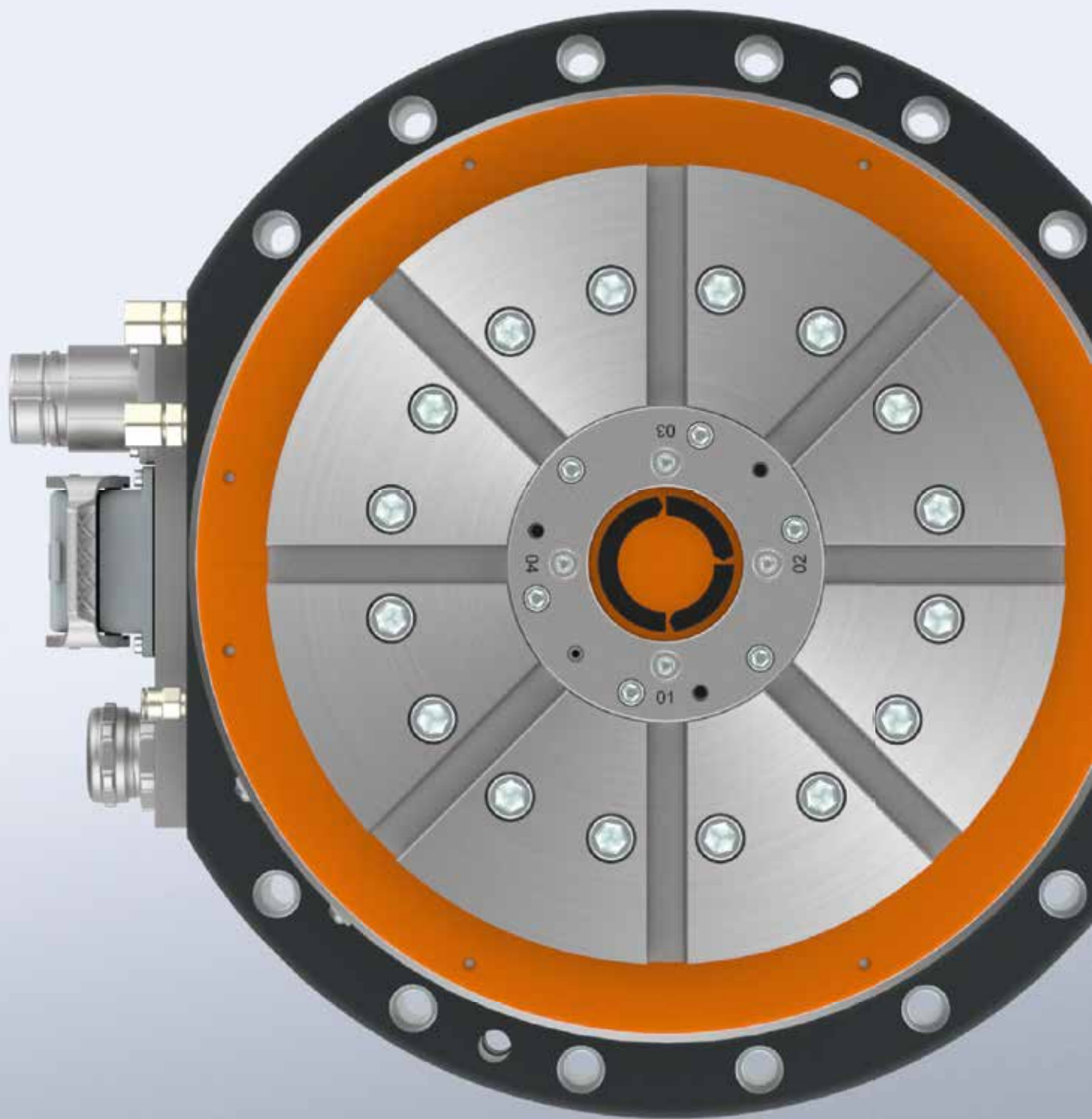


DATA SHEET COLLECTION

FIBROMOD



FIBROMOD ENCODING

FM	1	2	3	4	5	6	7	8	9	10

1 Type of Housing

Customized	0
Standard	1

2 Size

Size 0	00
Size 1	01
Size 2	02
Size 3	03
Size 4	04
Size 5	05
Size 6	06
Size 7	07
Size 8	08
Size 9	09
Size 10	10

3 Drive type

Drive unit	1
Trunnion support	2
Worm-drive ott	1
Worm-drive duplex	2
Direct-drive basic	3
Direct-drive High-Speed	4
Twin-Drive	5
Without drive	9

4 Table top dimension

Dimension Ø in mm	xxxx
-------------------	------

5 Table top model

Customized version	0
Standard version	1
Customized shape	0
Round	1
Rectangular	2
Other	0
Only centric alignment fitting	1
Hole pattern	2
T-slots star-shaped	3
T-slots parallel	4
Zero-point clamping devices	5
DIN-like pallet clamping	6
Preparation for jaw boxes	7

6 Clamping

Customized clamping	0
Without clamping	1
Pressureless open	2
Pressureless closed	3
Pressureless closed with emergency brake	4

7 Measuring system

Indirect measuring with motor encoder	1
Delivery with direct measuring device equipped	2
Without measuring system	9
Other measuring device	0
RCN 231x (±6,5")*	1
RCN 251x (±4")*	2
RCN 23xx (±6,5")*	3
RCN 25xx (±4")*	4
RCN 83xx (±3,5")*	5
RCN 85xx (±2,5")*	6
Without measuring system	9
Customized interface	0
EnDat	1
Fanuc	2
Mitsubishi	3
Without measuring system	9

8 Motoranordnung

Preparation for servomotor	1
Servo motor equipped (sourcing by FIBRO)	2
Servo motor equipped (sourcing by customer)	3
Without motor	9
Customized position	0
Drive on the left	1
Drive on the right	2
Drive on topside	3
Drive on downside	4
Drive integrated	5
Drive backside	6
Without motor	9
Other	0
Siemens	1
Fanuc	2
Mitsubishi	3
Without motor	9

9 Gearbox

Customized gearbox	0
Direct	1
Planetary gearbox	2
Belt drive	3
Angular gearbox	4
Gear transmission	5
Without gearbox	9

10 Rotary Union

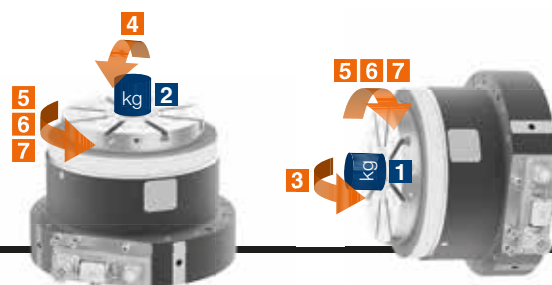
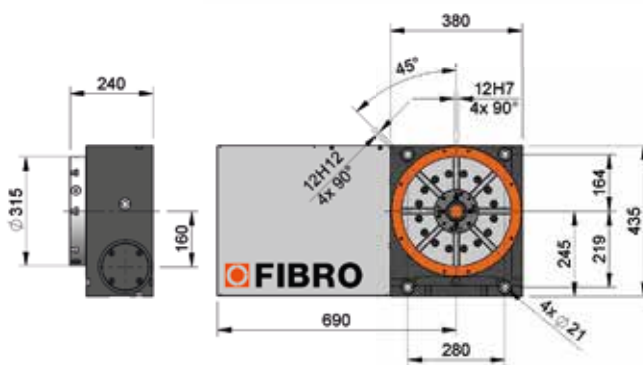
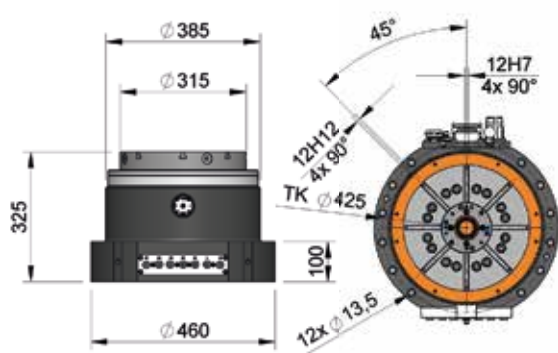
Customized version	0
Contact sealings	1
Non contact sealings	2
Without rotary union	9 00
No. of lines	xx

*Positioning accuracy rotary table

FIBROMOD

FM 1.03

DIMENSIONS



TECHNICAL DATA

			Worm-Drive	Twin-Drive	Direct-Drive Basic	Direct-Drive High-Speed
Table top Ø	mm		315 (400)	315 (400)	315 (400)	315 (400)
Bearing size			200	200	200	200
Standard transmission ratio			120:1	67.5:1	1:1	1:1
Weight	kg		220	260	230	220
Indexing accuracy	Mechanical		±10"	-	-	-
	Direct measuring device		±2.5"	±2.5"	±2.5"	±2.5"
Concentricity accuracy of centre hole	mm		0.01*	0.01*	0.01*	0.01*
Axial runout based on Ø 315 mm	mm		0.02 [0.01]*	0.02 [0.01]*	0.02 [0.01]*	0.02 [0.01]*
Plane parallelism table top/contact surface of housing	mm		0.03 [0.02]*	0.03 [0.02]*	0.03 [0.02]*	0.03 [0.02]*
Rectangularity table top/contact surface of housing at vertical working position			±30" [±15"]*	±30" [±15"]*	±30" [±15"]*	±30" [±15"]*
max. rotational speed	1/min		25	50	100	1,000 (2,000)
max. mass moment of inertia	kgm ²		100	100	100	50
max. transport load	Rotary axis horizontal	1 kg	650	650	650	500 (250)
	Rotary axis vertical	2 kg	2,000	2,000	1,000	500
Tilting moment	Rotary axis horizontal	3 Nm	6,600	6,600	6,600	4,000
	Rotary axis vertical	4 Nm	8,000	8,000	8,000	6,000
Drive torque (S6/40%ED)		5 Nm	2.000	3.000	435	300
perm. tangential moment passive clamping		6 Nm	1,000	1,000	1,000	1,000
perm. tangential moment with hydraulic clamping		7 Nm	4,000	4,000	4,000	4,000
Operating pressure	bar		80	80	80	80

[...] optional

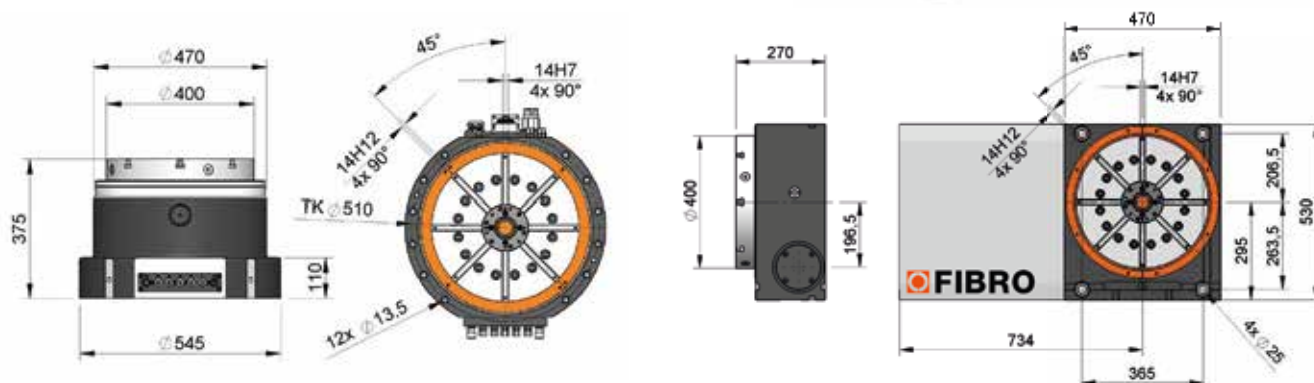
* higher accuracies on request

Technical data can be downloaded from www.fibro.com.

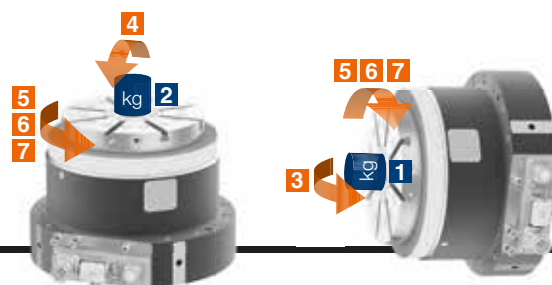
FIBROMOD

FM 1.04

DIMENSIONS



TECHNICAL DATA



			Worm-Drive	Twin-Drive	Direct-Drive Basic	Direct-Drive High-Speed
Table top Ø	mm		400 (500)	400 (500)	400 (500)	400 (500)
Bearing size			260	260	260	260
Standard transmission ratio			120:1	67.5:1	1:1	1:1
Weight	kg		350	490	320	320
Indexing accuracy	Mechanical		±15"	-	-	-
	Direct measuring device		±2.5"	±2.5"	±2.5"	±2.5"
Concentricity accuracy of centre hole	mm		0.01*	0.01*	0.01*	0.01*
Axial runout based on Ø 400 mm	mm		0.02 [0.01]*	0.02 [0.01]*	0.02 [0.01]*	0.02 [0.01]*
Plane parallelism table top/contact surface of housing	mm		0.03 [0.02]*	0.03 [0.02]*	0.03 [0.02]*	0.03 [0.02]*
Rectangularity table top/contact surface of housing at vertical working position			±30" [±15"]*	±30" [±15"]*	±30" [±15"]*	±30" [±15"]*
max. rotational speed	1/min		25	50	100	800 (1,500)
max. mass moment of inertia	kgm ²		200	200	200	80
max. transport load	Rotary axis horizontal	1 kg	900	900	900	700
	Rotary axis vertical	2 kg	2,900	2,900	1,500	700
Tilting moment	Rotary axis horizontal	3 Nm	10,000	10,000	10,000	6,000
	Rotary axis vertical	4 Nm	12,000	12,000	12,000	7,500
Drive torque (S6/40%ED)		5 Nm	3,600	4,000	800	850
perm. tangential moment passive clamping		6 Nm	1,250	1,250	1,250	1,250
perm. tangential moment with hydraulic clamping		7 Nm	5,000	5,000	5,000	5,000
Operating pressure	bar		70	70	70	70

[...] optional

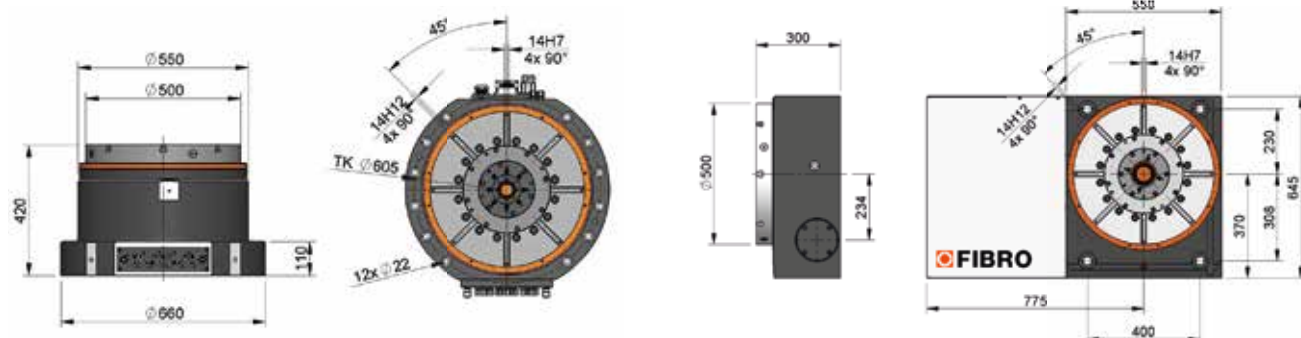
* higher accuracies on request

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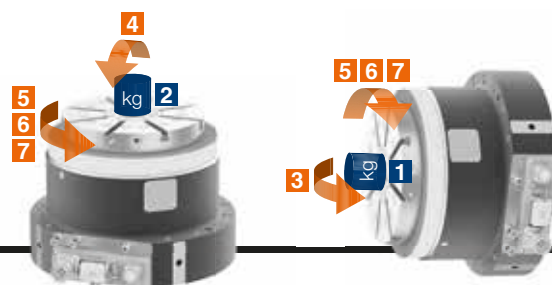
FIBROMOD

FM 1.05

DIMENSIONS



TECHNICAL DATA



			Worm-Drive	Twin-Drive	Direct-Drive Basic	Direct-Drive High-Speed
Table top Ø	mm		500 (630)		500 (630)	500 (630)
Bearing size			325		325	325
Standard transmission ratio			120:1		1:1	1:1
Weight	kg		580		530	500
Indexing accuracy	Mechanical		±10"	available from Q4/2022	–	–
	Direct measuring device		±2.5"		±2.5"	±2.5"
Concentricity accuracy of centre hole	mm		0.01*		0.01*	0.01*
Axial runout based on Ø 500 mm	mm		0.020 [0.012]*		0.020 [0.012]*	0.020 [0.012]*
Plane parallelism table top/contact surface of housing	mm		0.035 [0.025]*		0.035 [0.025]*	0.035 [0.025]*
Rectangularity table top/contact surface of housing at vertical working position	mm		±30 [±15]		±30 [±15]	±30 [±15]
max. rotational speed	1/min		25		100	600 (1,100)
max. mass moment of inertia	kgm ²		300		300	120
max. transport load	Rotary axis horizontal	1 kg	1,200	available from Q4/2022	1,200	900
	Rotary axis vertical	2 kg	4,500		1,750	900
Tilting moment	Rotary axis horizontal	3 Nm	16,000		16,000	7,500
	Rotary axis vertical	4 Nm	18,000		18,000	12,000
Drive torque (S6/40%ED)		5 Nm	4,500		1250	1150
perm. tangential moment passive clamping		6 Nm	1,500		1,500	1,500
perm. tangential moment with hydraulic clamping		7 Nm	6,000		6,000	6,000
Operating pressure	bar		63		63	63

[...] optional

* higher accuracies on request

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