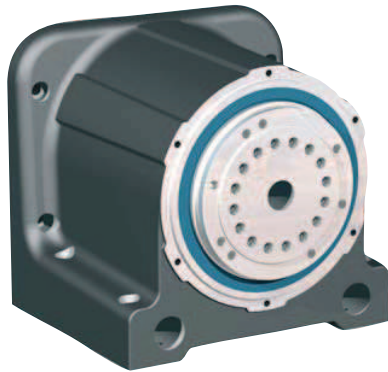


Indexing table / Rotary unit

RDH-M



RDH-M as Indexing table
(solid shaft design)

RDH-M as Rotary unit
(hollow shaft design)



Features

- With precision transmission
 - High load capacity, rigid drive bearing
 - Absence of play and high torsional rigidity
- Reduction 1:51 or 1:101
- Stepper or servomotor
- Protection class IP 65
- Stainless design
- Transfer accuracy < 1 minute of arc
- Repeatability < ± 6 seconds of arc
- Available in solid or hollow shaft design
- No maintenance

For pin assignment see page B-124

For transport loads see page B-125

Ordering key

2 6 6 2 X X 0 X 0 0

Flanged shaft

- 0 = solid shaft
- 1 = hollow shaft

Transmission reduction

- 0 = 101
- 1 = 51

Motors

- 0 = Stepper motor MS 200 HAT with encoder (400 imp., 3-channel, RS422)
- 3 = brushless EC servomotor EC 60S
- 4 = brushed DC servomotor DC 100
- 5 = Stepper motor without encoder

Accessories



Chuck assembly

3-jaw chuck \varnothing 125
Part no.: **269063 2125**
* including flange



Aluminium T-slot plate

\varnothing 240 mm/PT 25
Part no.: **269050 0240**

\varnothing 365 mm/PT 25
Part no.: **269050 0365**



Tailstock unit RE M

Part no.: **269100 2100**
(1000 mm)
Part no.: **269100 2150**
(1500 mm)
Part no.: **269100 2200**
(2000 mm)

Indexing table / Rotary unit

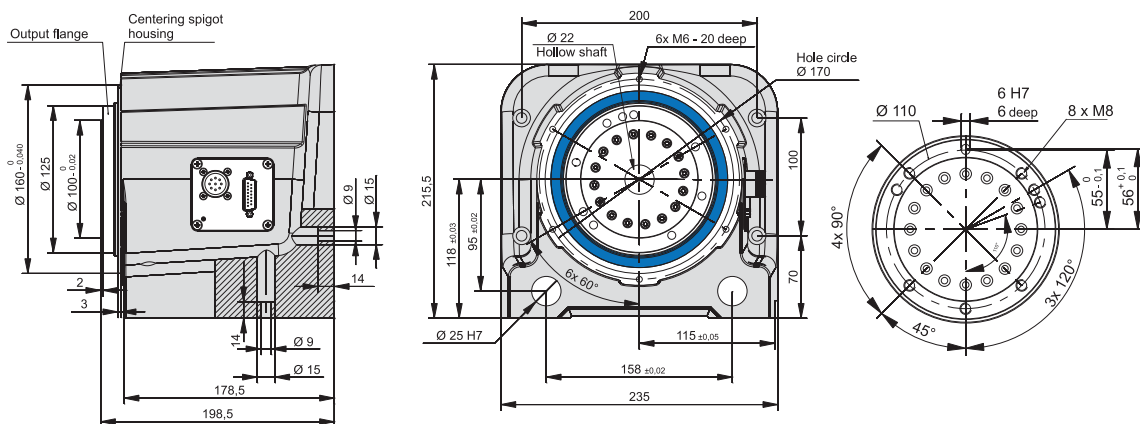
RDH-M

Technical specification

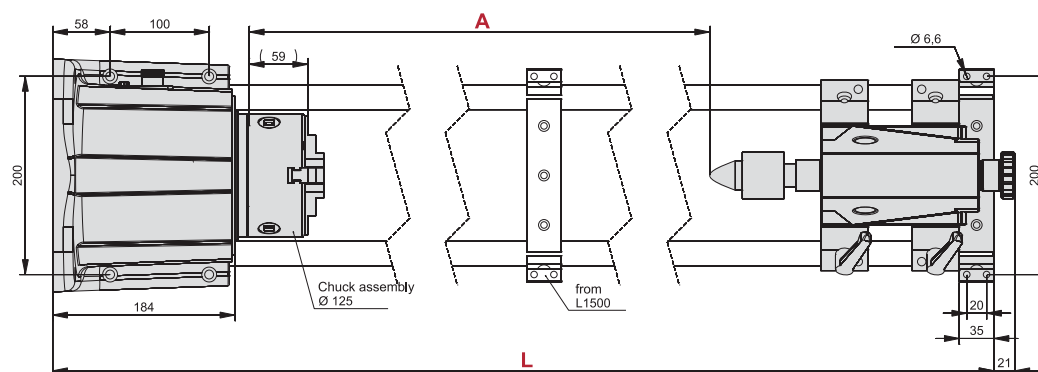
	stepper motor MS 200 HT *		EC servomotor EC 60S (brushless)		DC servo motor DC 100 (brushed)	
	1:51	1:101	1:51	1:101	1:51	1:101
Reduction ratio	1:51	1:101	1:51	1:101	1:51	1:101
Nominal output speed	[1/min]		at 1500 Hz (225 1/min)		at 1100 1/min	
Max. output speed	24	12	59	30	59	30
Nominal torque	[Nm]		at 8000 Hz		--	
	24	46	9	17	7	14
Max. torque (short term)	[Nm]		at 1500 Hz		--	
	--	--	42	80	39	73
Rated holding torque (static load)	[Nm]		26	51	15	30
Max. transmission load	[Nm]		98	157	98	157
Dynamic load factor C	[N]		Limit for repeatable peak torque			
Static load factor C ₀	[N]		21800			
Weight	[kg]		35800			
			13.7			

* Values for half-step operation

Dimensioned drawings

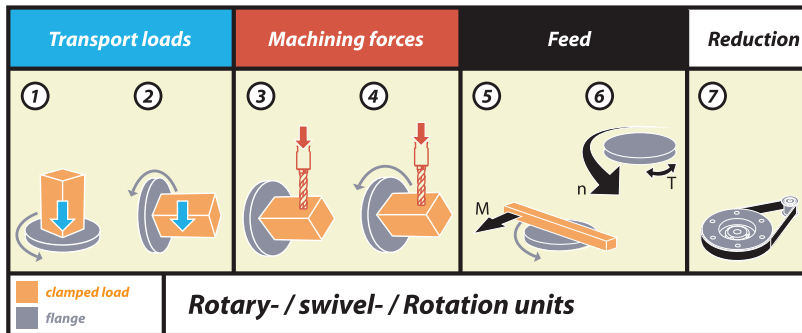


Versions	Part no.	L	A
Tailstock unit RE-M 1000 mm	269100 2100	1110	624.5
Tailstock unit RE-M 1500 mm	269100 2150	1610	1124.5
Tailstock unit RE-M 2000 mm	269100 2200	2110	1624.5



Turn/tilt/rotation units:

Transport loads, machining forces, feed



Rotary or tilting units	1*	2*	3	4	5	6	7
RDH-M (step)	100 kg	45 kg	55 Nm	24 Nm	24 Nm	4 rpm	1:51
RDH-M (step)	160 kg	70 kg	108 Nm	45 Nm	45 Nm	2 rpm	1:101
RDH-M (EC-servo, brushless)	110 kg	50 kg	26 Nm	9 Nm	9 Nm	22 rpm	1:51
RDH-M (EC-servo, brushless)	180 kg	80 kg	51 Nm	17 Nm	17 Nm	11 rpm	1:101
RDH-S (step)	30 kg	15 kg	7 Nm	7 Nm	7 Nm	4 rpm	1:51
RDH-S (step)	48 kg	24 kg	11 Nm	11 Nm	11 Nm	2 rpm	1:101
RDH-S (EC-servo, brushless)	30 kg	15 kg	7 Nm	4.6 Nm	4.6 Nm	22 rpm	1:51
RDH-S (EC-servo, brushless)	48 kg	24 kg	11 Nm	4.6 Nm	9.2 Nm	11 rpm	1:101
RDH-S (DC-servo)	25 kg	13 kg	7 Nm	4.6 Nm	4.6 Nm	22 rpm	1:51
RDH-S (DC-servo)	40 kg	20 kg	11 Nm	8.7 Nm	8.7 Nm	11 rpm	1:101
RDH-XS (step)	30 kg	10 kg	5 Nm	5 Nm	5 Nm	24 rpm	1:50
RDH-XS (step)	30 kg	10 kg	7 Nm	7 Nm	7 Nm	12 rpm	1:100
RDH-XS (EC-servo, brushless)	30 kg	10 kg	5 Nm	5 Nm	5 Nm	59 rpm	1:50
RDH-XS (EC-servo, brushless)	30 kg	10 kg	7 Nm	7 Nm	7 Nm	30 rpm	1:100
RDH-XS (DC-servo)	30 kg	10 kg	5 Nm	5 Nm	5 Nm	70 rpm	1:50
RDH-XS (DC-servo)	30 kg	10 kg	7 Nm	7 Nm	7 Nm	35 rpm	1:100
RF 1 (step)	60 kg	30 kg	37 Nm	17.5 Nm	17.5 Nm	50 rpm	1:24
RF 1 (step)	100 kg	50 kg	75 Nm	38 Nm	38 Nm	23 rpm	1:52
RF 1 (step)	150 kg	75 kg	75 Nm	75 Nm	75 Nm	12 rpm	1:100
RF 1 (DC servo/EC servo)	70 kg	35 kg	7 / 12 Nm	6 / 10 Nm	6 / 10 Nm	125 rpm	1:24
RF 1 (DC servo/EC servo)	110 kg	55 kg	16 / 26 Nm	13 / 22 Nm	13 / 22 Nm	58 rpm	1:52
RF 1 (DC servo/EC servo)	160 kg	80 kg	30 / 50 Nm	25 / 42 Nm	25 / 42 Nm	30 rpm	1:100
MD 1 (step)	5 kg	2.5 kg	14 Nm	8 Nm	8 Nm	60 rpm	1:20
MD 1 (DC servo)	6 kg	3 kg	3.9 Nm	3 Nm	3 Nm	175 rpm	1:20
MD 1 (EC servo, brushless)	6 kg	3 kg	4 Nm	3.2 Nm	3.2 Nm	150 rpm	1:20
ZR 20 (step)	10 kg	5 kg	14 Nm	8 Nm	8 Nm	60 rpm	1:20
ZD 30 (step)	14 kg	8 kg	20 Nm	12 Nm	12 Nm	40 rpm	1:30

*) Guideline values will vary according to application !!