CR 300E

TECHNICAL DATA

$n_{1\,Max}$	Max. motor speed:	2000 1/min
$n_{2\,Max}$	Max. output speed:	20 1/min
i_{tot}	Overall gear ratio:	130.2
	Indexing precision:	60 arcsec (± 30″)
A_r	Axial run-out of the drive flange:	(at Ø 280 mm) 0.01 mm
C_r	Concentricity of the output flange:	0.01 mm
m	Total weight, including motor:	approximately 210 kg

The values stated for axial run-out and concentricity can only be achieved with precise mounting surfaces.

LOAD DATA (for the stationary central part)

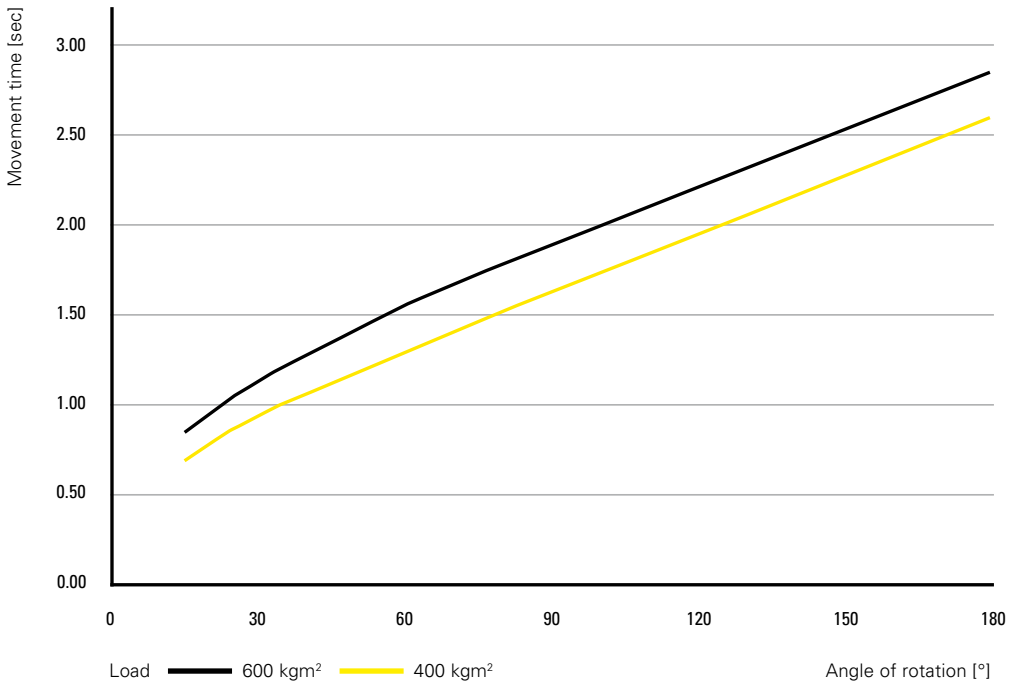
T_{SP}	Permitted torque:	150 Nm
$M_{T\,SP}$	Permitted tilting moment:	300 Nm
$F_{A\,SP}$	Permitted axial force:	6500 N
$F_{R\,SP}$	Permitted radial force:	3500 N

Combined loads and permitted process forces only after inspection by WEISS.

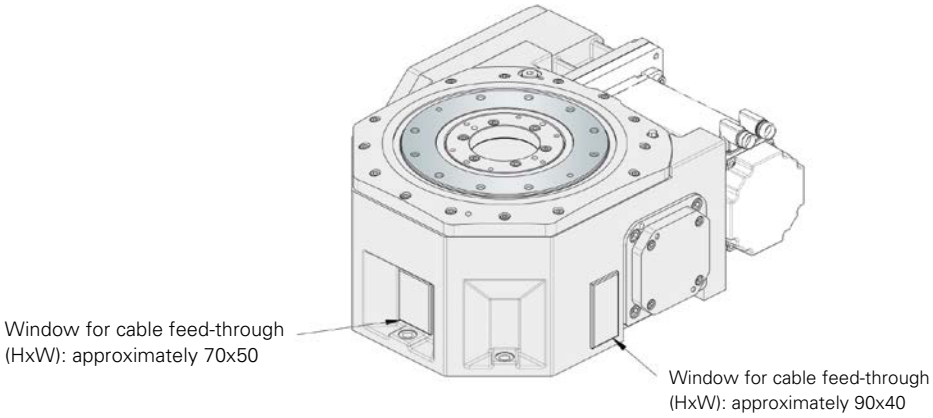
LOAD DATA (for the output flange)

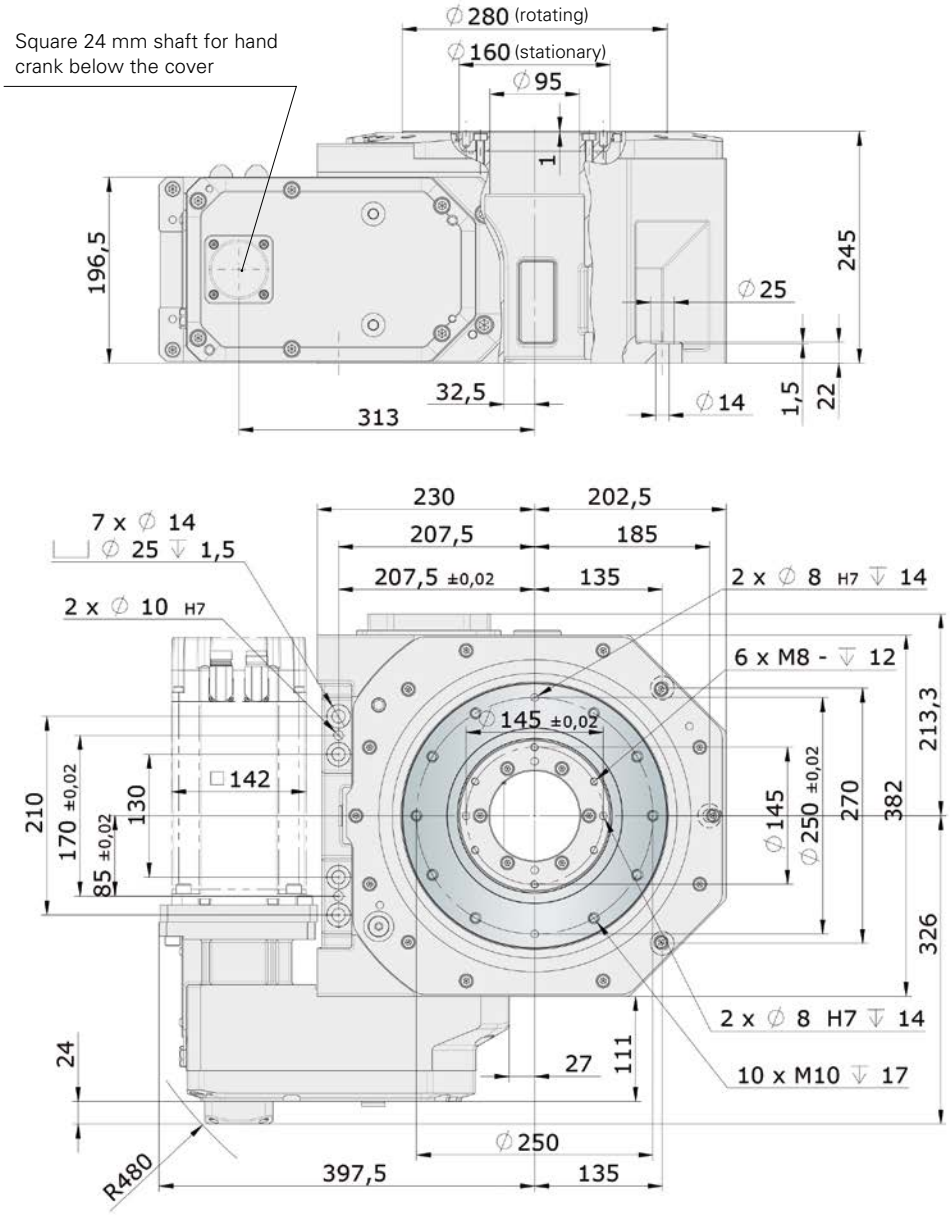
$M_{2T\,dyn}$	Permitted dynamic tilting moment:	3000 Nm
$F_{2A\,dyn}$	Permitted dynamic axial force:	20000 N
$F_{2R\,dyn}$	Permitted dynamic radial force:	5500 N

TIMING DIAGRAM (please contact us for other requests)



DIMENSIONS





It is possible to fit popular alternative motors from various manufacturers. The drive flange geometries are motor-dependent.
A taller central section is available on request.

CR 400E

TECHNICAL DATA

$n_{1\ Max}$	Max. motor speed:	3000 1/min
$n_{2\ Max}$	Max. output speed:	13.5 1/min
i_{tot}	Overall gear ratio:	222.04
	Indexing precision:	100 arcsec (± 50")
	Axial run-out of the drive flange:	30 arcsec (± 15")
A_r	Concentricity of the output flange:	(at Ø 400 mm) 0.015 mm
C_r	Total weight, including motor:	0.015 mm
m	Gesamtgewicht inkl. Motor:	approximately 300 kg

The values stated for axial run-out and concentricity can only be achieved with precise mounting surfaces.

LOAD DATA (for the stationary central part)

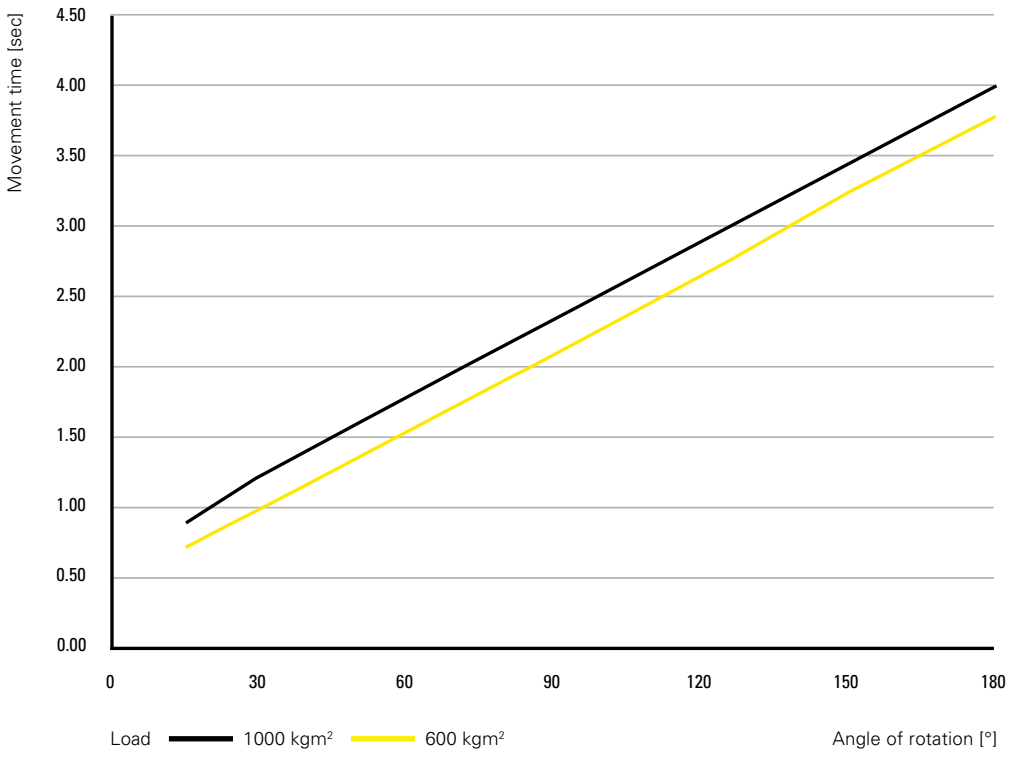
T_{SP}	Permitted torque:	300 Nm
$M_{T\ SP}$	Permitted tilting moment:	650 Nm
$F_{A\ SP}$	Permitted axial force:	10000 N
$F_{R\ SP}$	Permitted radial force:	6000 N

Combined loads and permitted process forces only after inspection by WEISS.

LOAD DATA (for the output flange)

$M_{2T\ dyn}$	Permitted dynamic tilting moment:	3000 Nm
$F_{2A\ dyn}$	Permitted dynamic axial force:	30000 N
$F_{2R\ dyn}$	Permitted dynamic radial force:	8000 N

TIMING DIAGRAM (please contact us for other requests)



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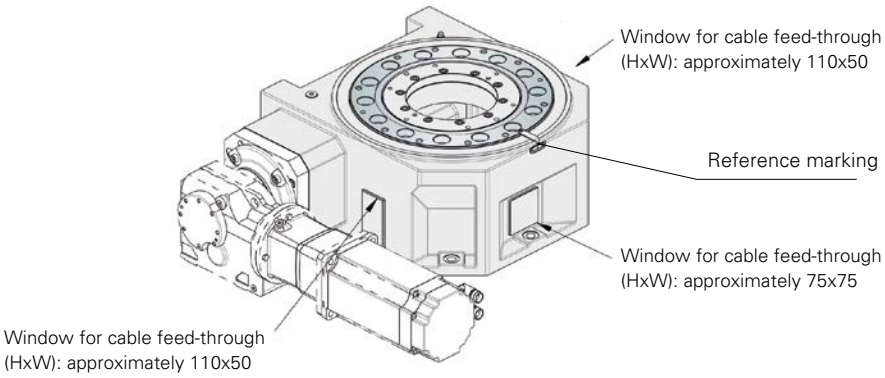
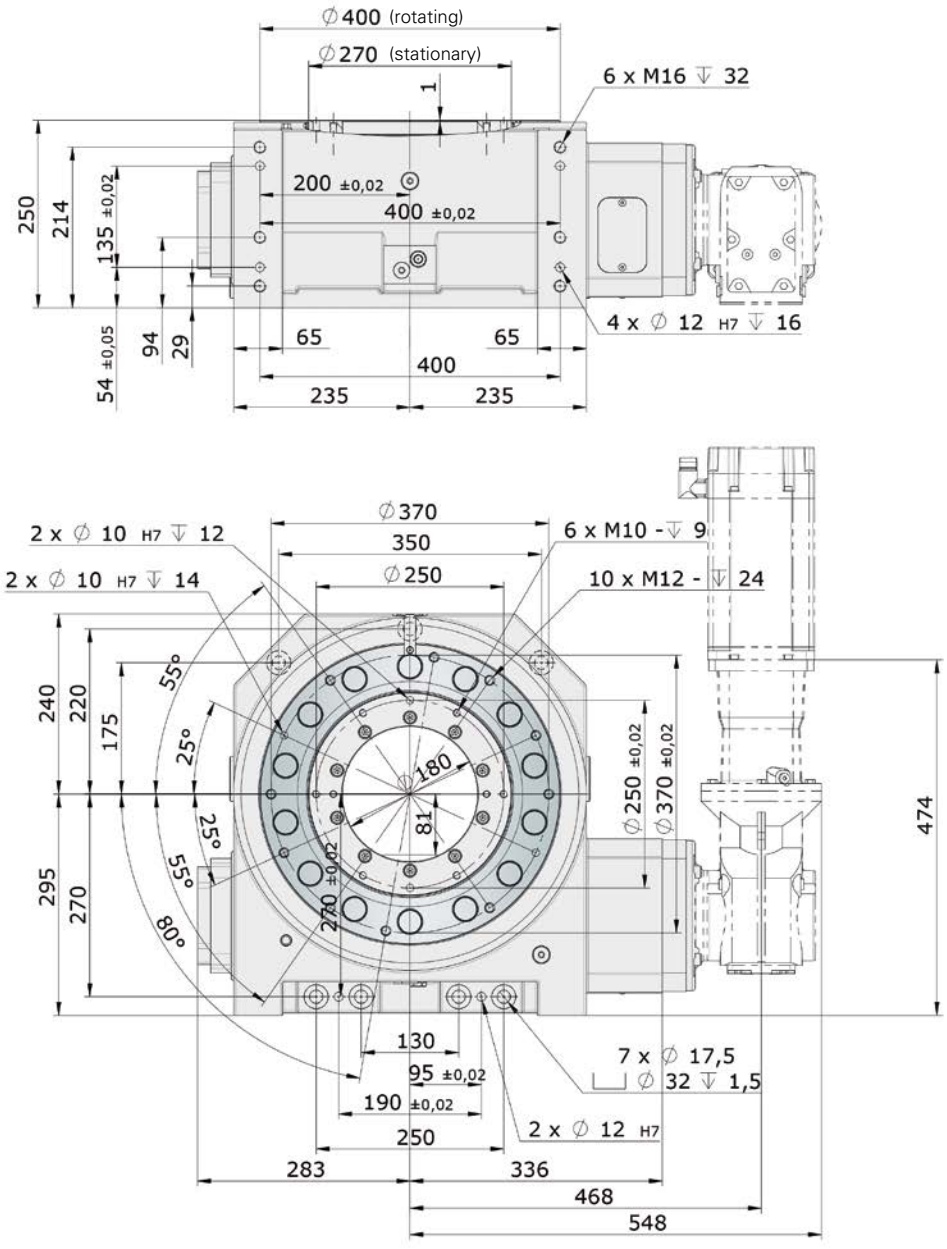




The shown position of the dial plate corresponds to the home position (state of delivery).
It is possible to fit popular alternative motors from various manufacturers. The drive flange geometries are motor-dependent.
A taller central section is available on request.

CR 500E

TECHNICAL DATA

$n_{1\,Max}$	Max. motor speed:	2000 1/min
$n_{2\,Max}$	Max. output speed:	13 1/min
i_{tot}	Overall gear ratio:	163.69
	Indexing precision:	50 arcsec (± 25")
A_r	Axial run-out of the drive flange:	(at Ø 445 mm) 0.015 mm
C_r	Concentricity of the output flange:	0.015 mm
m	Total weight, including motor:	approximately 420 kg

The values stated for axial run-out and concentricity can only be achieved with precise mounting surfaces.

LOAD DATA (for the stationary central part)

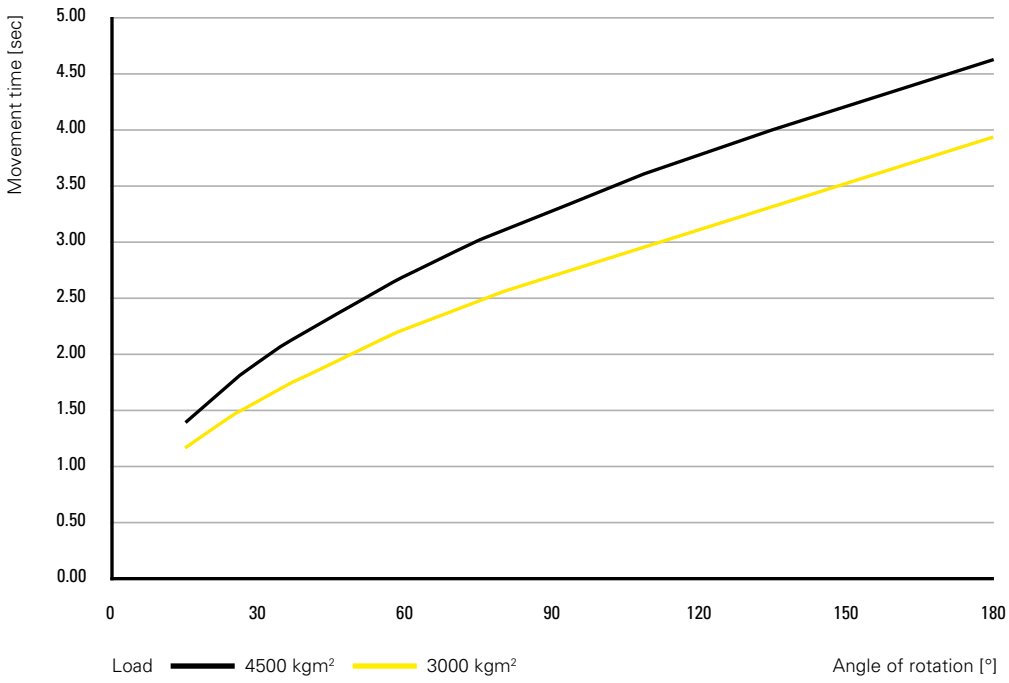
T_{SP}	Permitted torque:	500 Nm
$M_{T\,SP}$	Permitted tilting moment:	1500 Nm
$F_{A\,SP}$	Permitted axial force:	18000 N
$F_{R\,SP}$	Permitted radial force:	10000 N

Combined loads and permitted process forces only after inspection by WEISS.

LOAD DATA (for the output flange)

$M_{2T\,dyn}$	Permitted dynamic tilting moment:	3500 Nm
$F_{2A\,dyn}$	Permitted dynamic axial force:	40000 N
$F_{2R\,dyn}$	Permitted dynamic radial force:	15000 N

TIMING DIAGRAM (please contact us for other requests)



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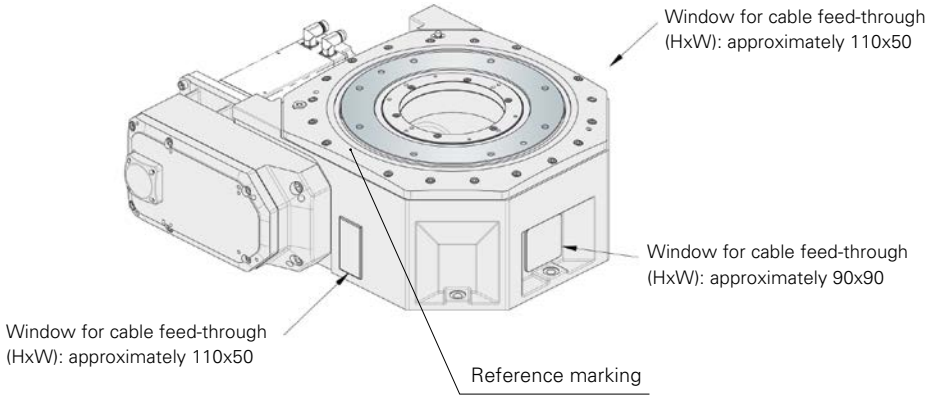
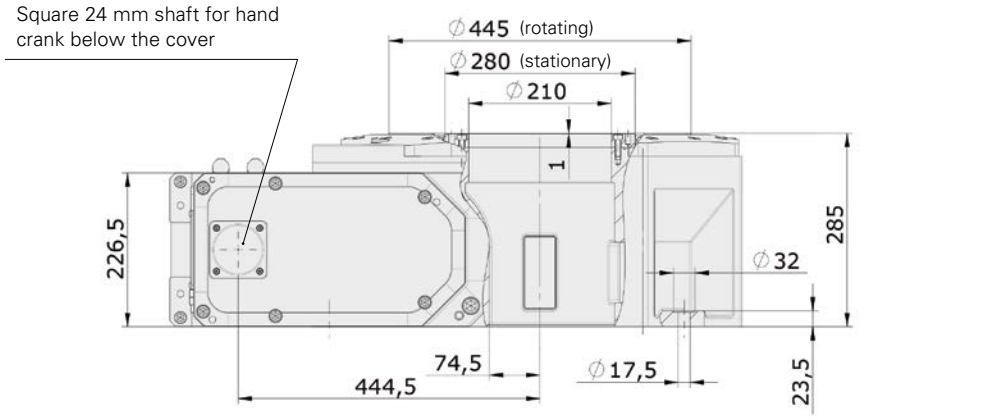
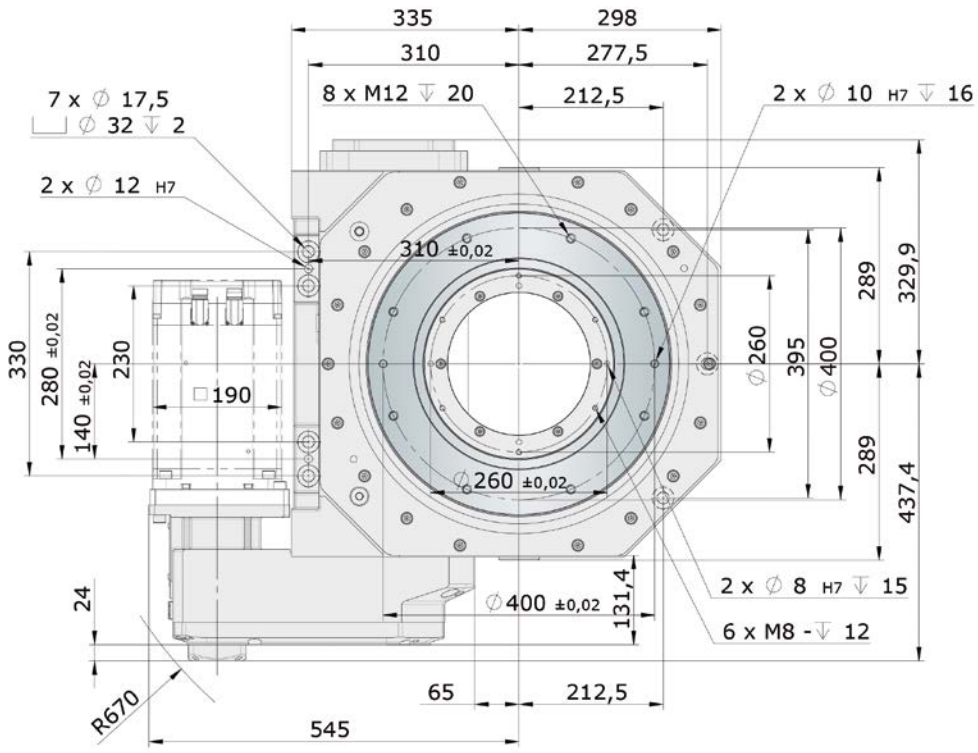






It is possible to fit popular alternative motors from various manufacturers. The drive flange geometries are motor-dependent.
A taller central section is available on request.

CR 700C

TECHNICAL DATA

$n_{1\,Max}$	Max. motor speed:	2000 1/min
$n_{2\,Max}$	Max. output speed:	14 1/min
i_{tot}	Overall gear ratio:	144
	Indexing precision:	30 arcsec (± 15")
A_r	Axial run-out of the drive flange:	(at Ø 700 mm) 0.02 mm
C_r	Concentricity of the output flange:	0.02 mm
m	Total weight, including motor:	approximately 630 kg

The values stated for axial run-out and concentricity can only be achieved with precise mounting surfaces.

LOAD DATA (for the stationary central part)

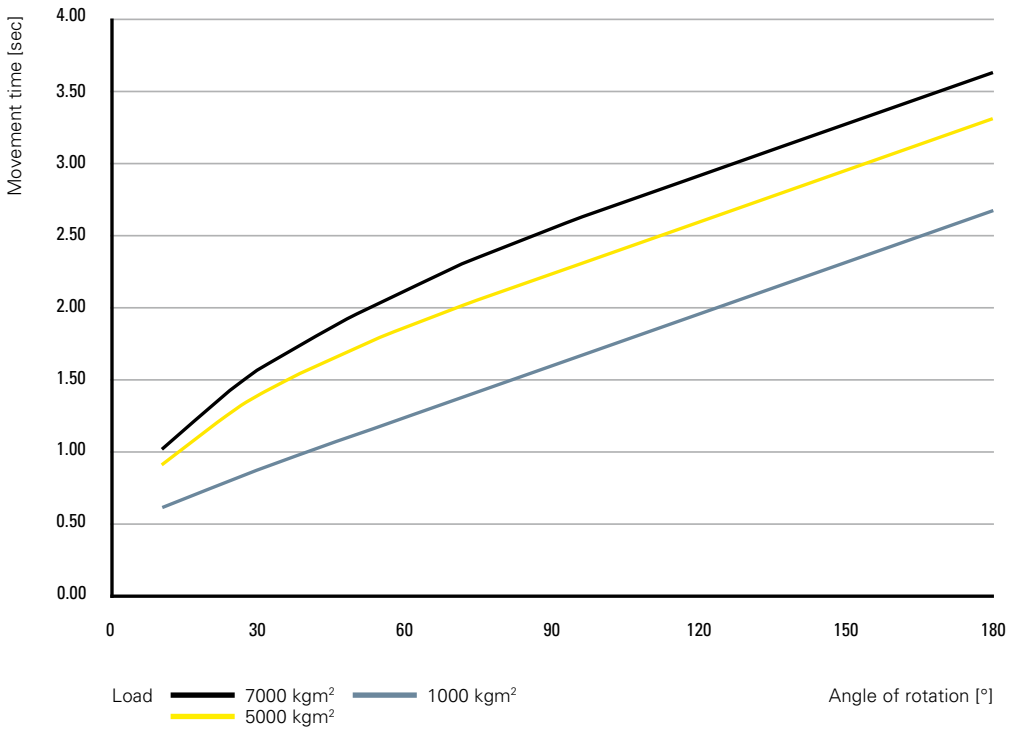
T_{SP}	Permitted torque:	1700 Nm
$M_{T\,SP}$	Permitted tilting moment:	3500 Nm
$F_{A\,SP}$	Permitted axial force:	35000 N
$F_{R\,SP}$	Permitted radial force:	19000 N

Combined loads and permitted process forces only after inspection by WEISS.

LOAD DATA (for the output flange)

$M_{2T\,dyn}$	Permitted dynamic tilting moment:	10000 Nm
$F_{2A\,dyn}$	Permitted dynamic axial force:	70000 N
$F_{2R\,dyn}$	Permitted dynamic radial force:	30000 N

TIMING DIAGRAM (please contact us for other requests)



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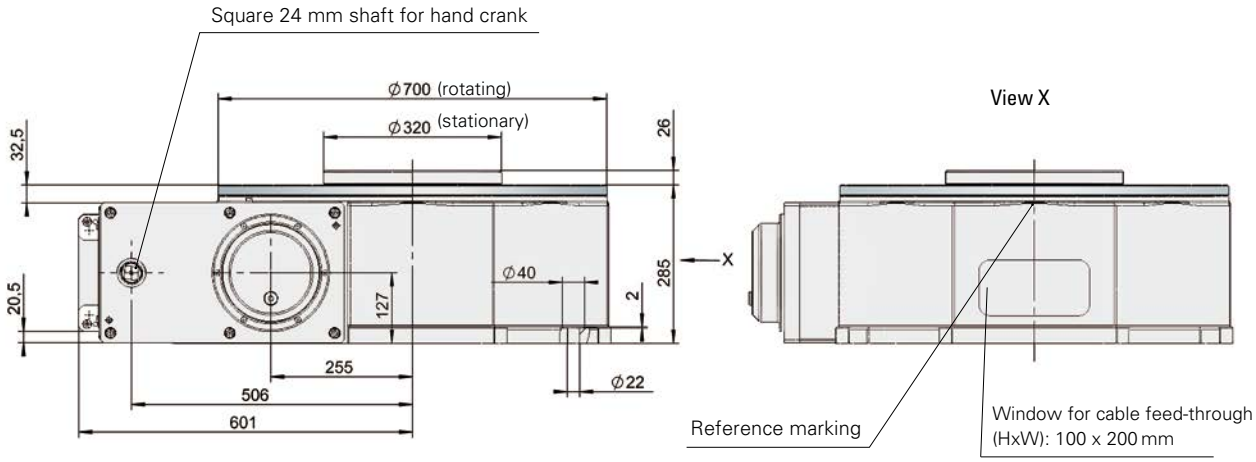
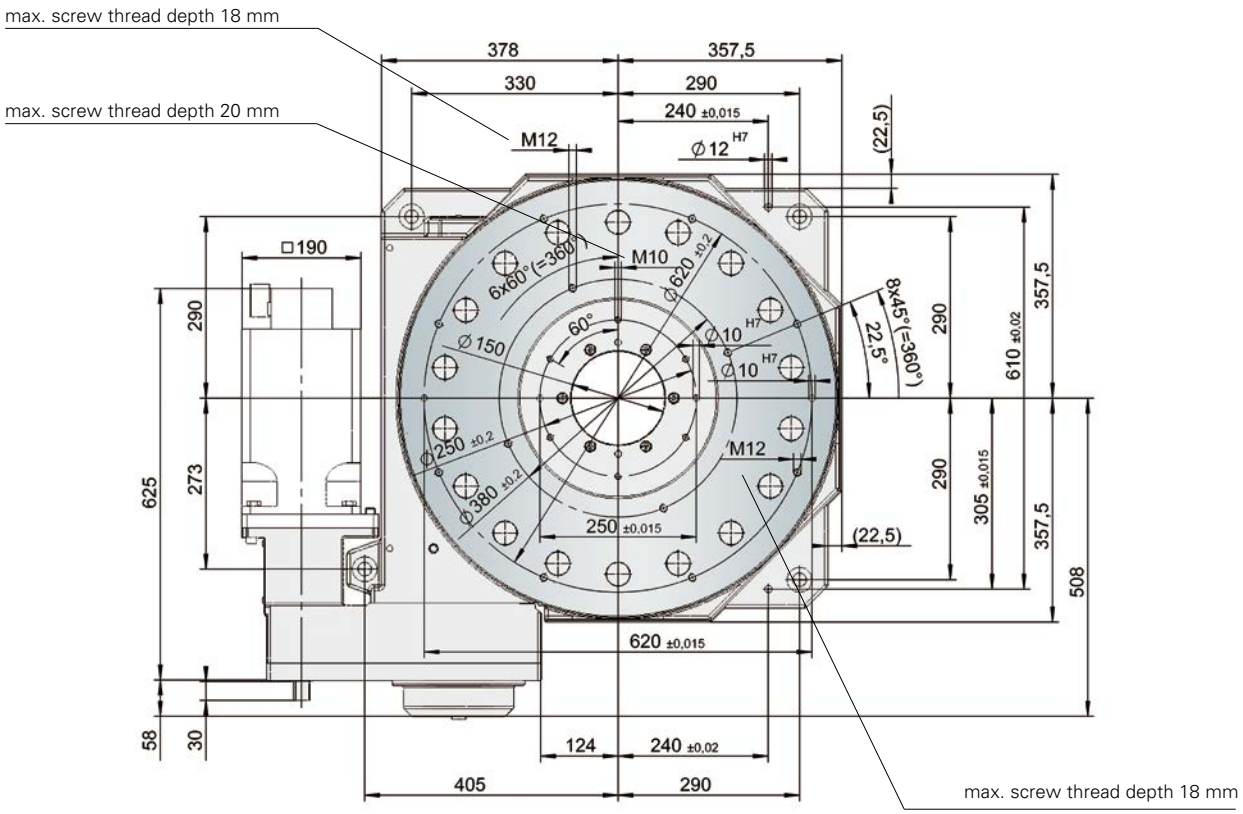




The shown position of the dial plate corresponds to the home position (state of delivery).
It is possible to fit popular alternative motors from various manufacturers.

CR 1000C

TECHNICAL DATA

$n_{1\ Max}$	Max. motor speed:	2400 1/min
$n_{2\ Max}$	Max. output speed:	12 1/min
i_{tot}	Overall gear ratio:	200
	Indexing precision:	30 arcsec (± 15")
A_r	Axial run-out of the drive flange:	(at Ø 1000 mm) 0.03 mm
C_r	Concentricity of the output flange:	0.03 mm
m	Total weight, including motor:	approximately 1450 kg

The values stated for axial run-out and concentricity can only be achieved with precise mounting surfaces.

LOAD DATA (for the stationary central part)

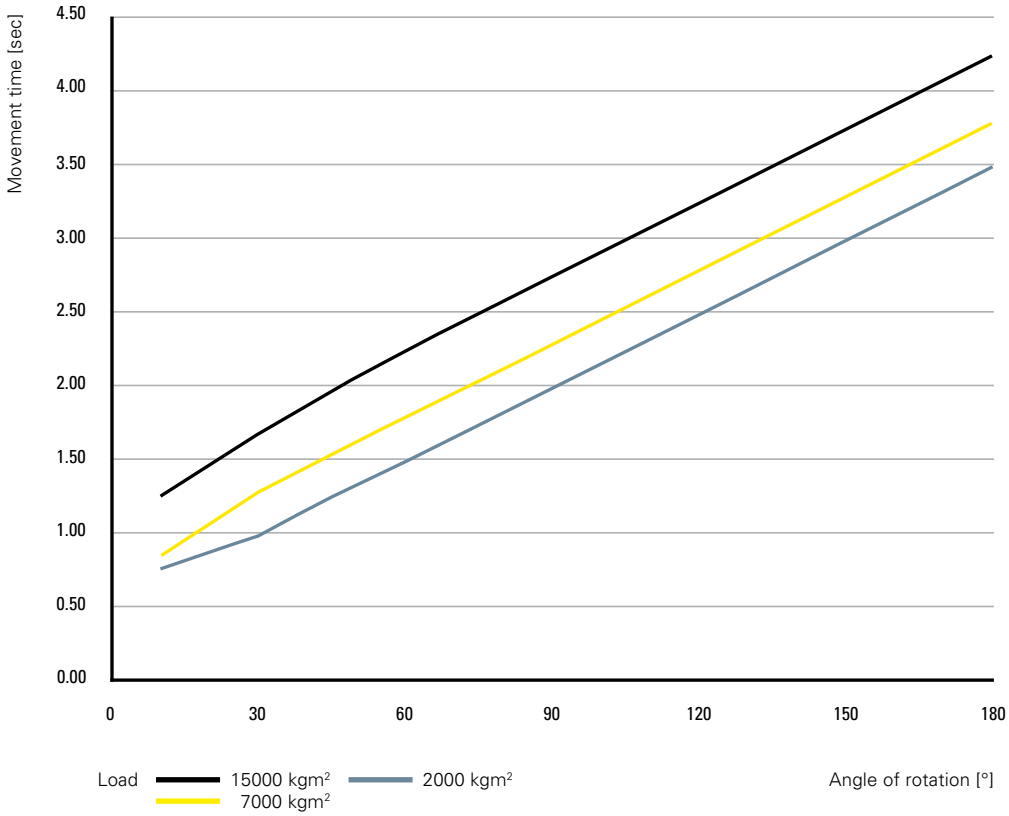
T_{SP}	Permitted torque:	2000 Nm
$M_{T\ SP}$	Permitted tilting moment:	6000 Nm
$F_{A\ SP}$	Permitted axial force:	45000 N
$F_{R\ SP}$	Permitted radial force:	19000 N

Combined loads and permitted process forces only after inspection by WEISS.

LOAD DATA (for the output flange)

$M_{2T\ dyn}$	Permitted dynamic tilting moment:	25000 Nm
$F_{2A\ dyn}$	Permitted dynamic axial force:	120000 N
$F_{2R\ dyn}$	Permitted dynamic radial force:	100000 N

TIMING DIAGRAM (please contact us for other requests)



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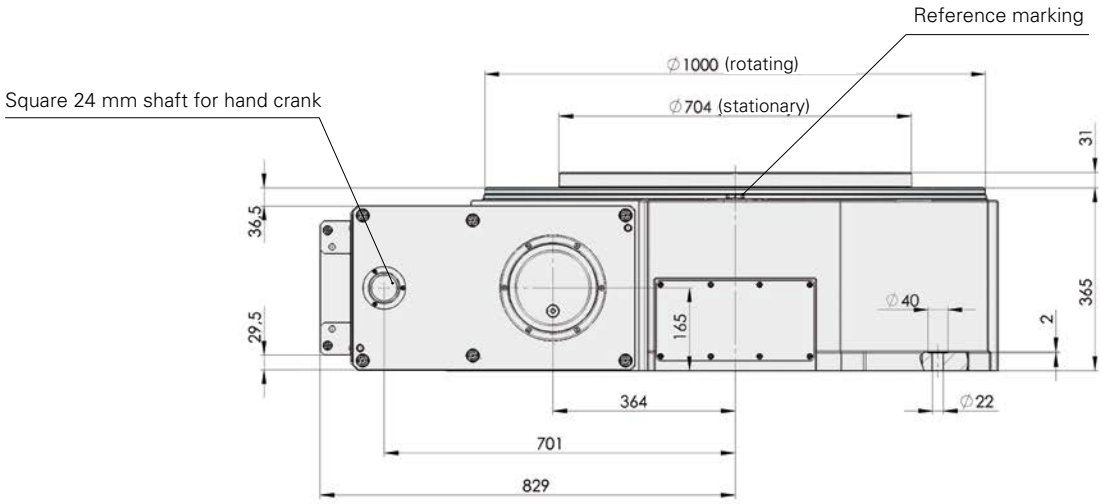
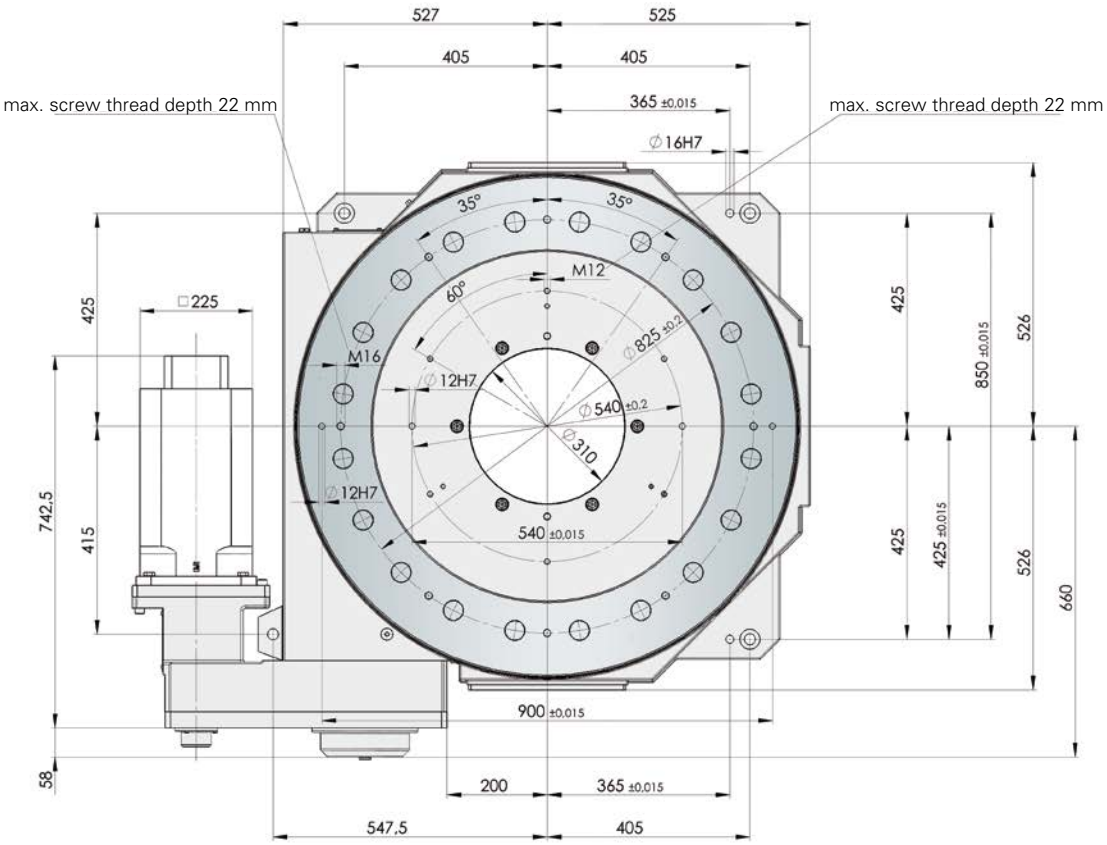




The shown position of the dial plate corresponds to the home position (state of delivery).
The motor dimensions refer to the model 8LSA84.E1022D200-0 by B&R.
It is possible to fit alternative motors from various manufacturers.

CR 1300C

TECHNICAL DATA

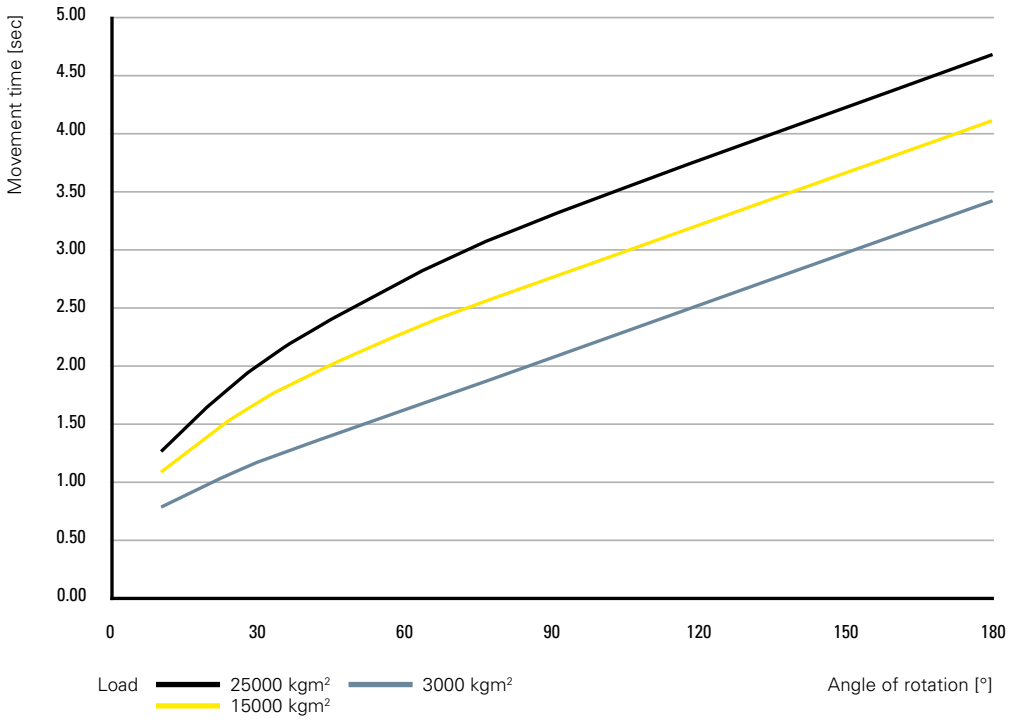
$n_{1\ Max}$	Max. motor speed:	2000 1/min
$n_{2\ Max}$	Max. output speed:	11 1/min
i_{tot}	Overall gear ratio:	180
	Indexing precision:	24 arcsec (± 12")
A_r	Axial run-out of the drive flange:	(at Ø 1248 mm) 0.03 mm
C_r	Concentricity of the output flange:	0.03 mm
m	Total weight, including motor:	approximately 2000 kg

The values stated for axial run-out and concentricity can only be achieved with precise mounting surfaces.

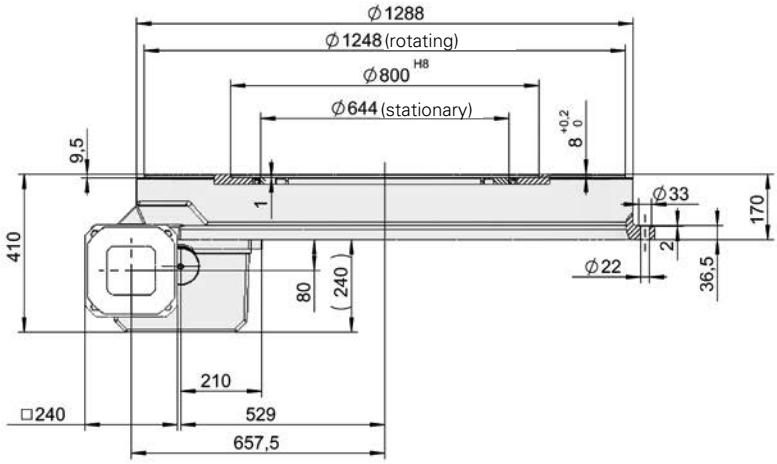
LOAD DATA (for the output flange)

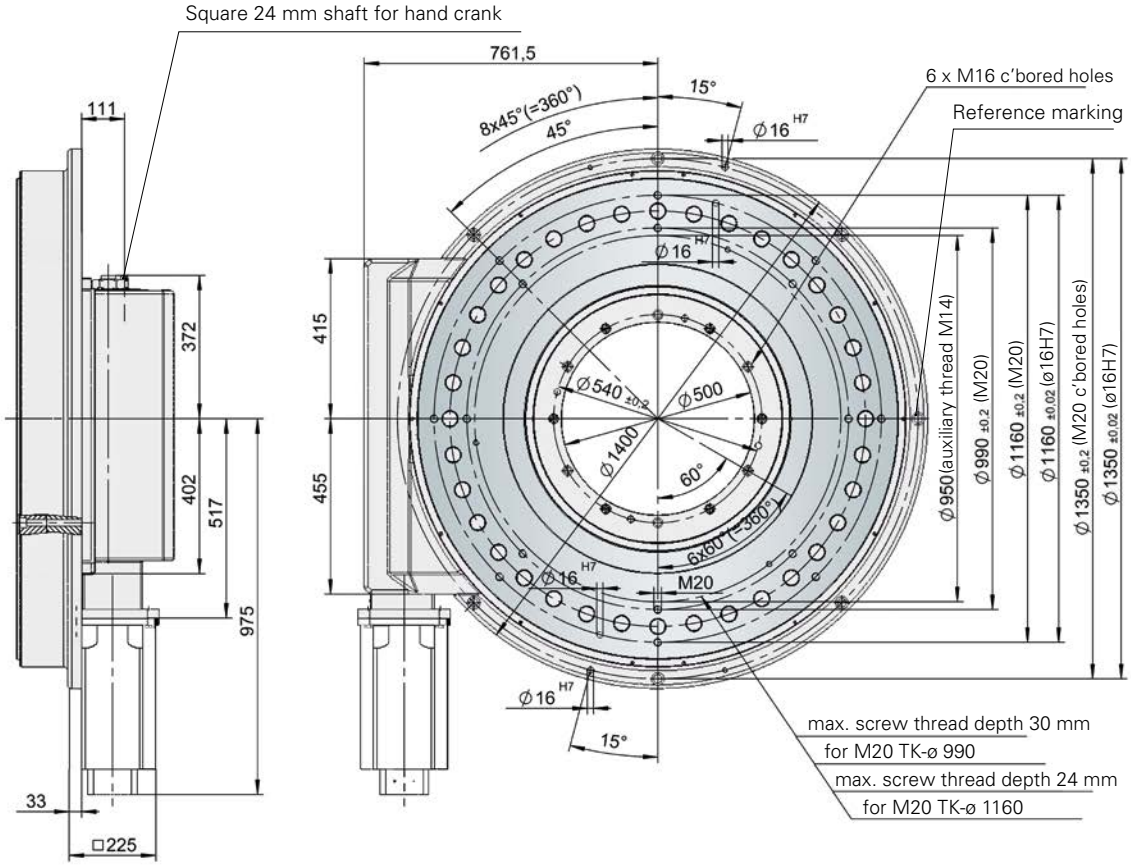
$M_{2T\ dyn}$	Permitted dynamic tilting moment:	35000 Nm
$F_{2A\ dyn}$	Permitted dynamic axial force:	150000 N
$F_{2R\ dyn}$	Permitted dynamic radial force:	100000 N

TIMING DIAGRAM (please contact us for other requests)



DIMENSIONS





The shown position of the dial plate corresponds to the home position (state of delivery).
The motor dimensions refer to the model 8LSA84.E1022D200-0 by B&R. It is possible to fit alternative motors from various manufacturers. An additional reduction gear may be required with several motors.

CR 2000C

TECHNICAL DATA

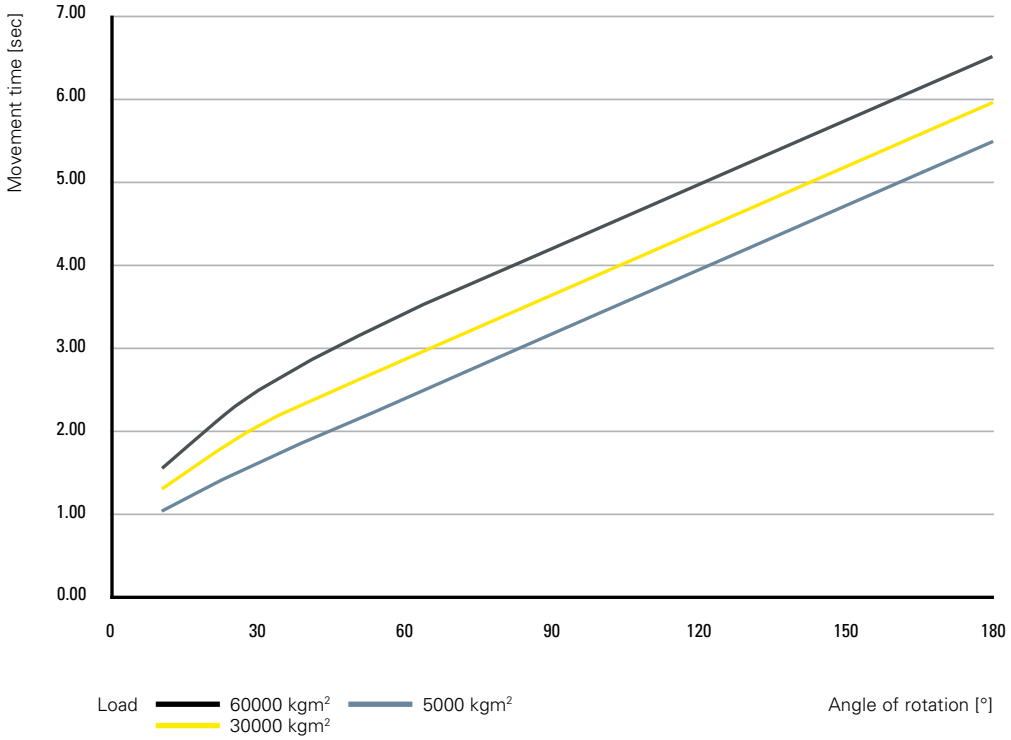
$n_{1\ Max}$	Max. motor speed:	2000 1/min
$n_{2\ Max}$	Max. output speed:	6.5 1/min
i_{tot}	Overall gear ratio:	310
	Indexing precision:	20 arcsec (± 10")
A_r	Axial run-out of the drive flange:	(at Ø 1874 mm) 0.03 mm
C_r	Concentricity of the output flange:	0.03 mm
m	Total weight, including motor:	approximately 3600 kg

The values stated for axial run-out and concentricity can only be achieved with precise mounting surfaces.

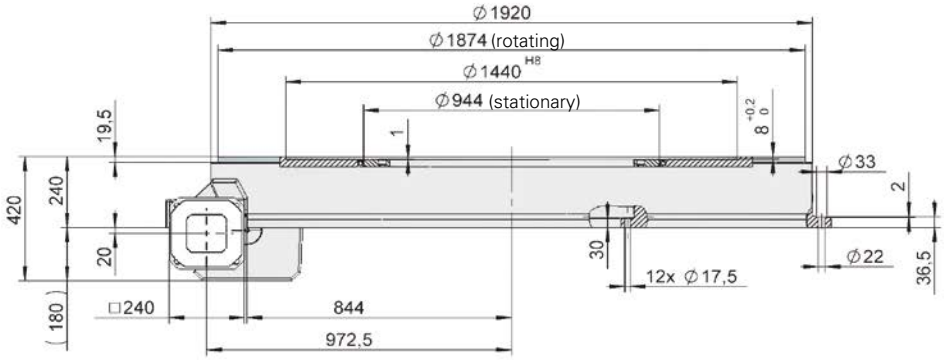
LOAD DATA (for the output flange)

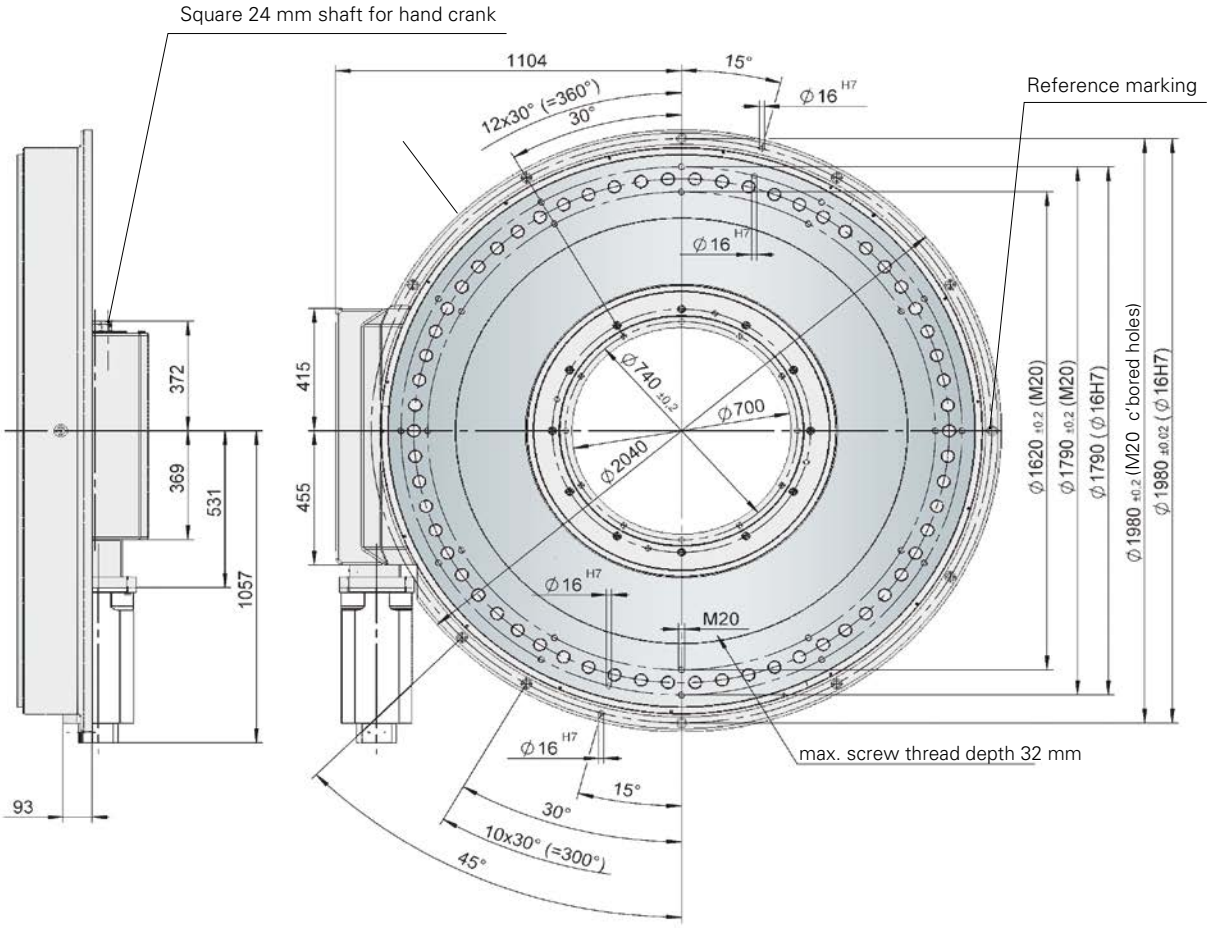
$M_{2T\ dyn}$	Permitted dynamic tilting moment:	55000 Nm
$F_{2A\ dyn}$	Permitted dynamic axial force:	250000 N
$F_{2R\ dyn}$	Permitted dynamic radial force:	125000 N

TIMING DIAGRAM (please contact us for other requests)



DIMENSIONS





The shown position of the dial plate corresponds to the home position (state of delivery).
The motor dimensions refer to the model 8LSA84.E1022D200-0 by B&R. It is possible to fit alternative motors from various manufacturers. An additional reduction gear may be required with several motors.

TH 700F

TECHNICAL DATA

$n_{1\,Max}$	Max. motor speed:	2000 1/min
$n_{2\,Max}$	Max. output speed:	14 1/min
i_{tot}	Overall gear ratio:	144
	Indexing precision:	30 arcsec (± 15")
A_r	Axial run-out of the drive flange:	(at Ø 700 mm) 0.02 mm
C_r	Concentricity of the output flange:	0.02 mm
m	Total weight, including motor:	approximately 630 kg

The values stated for axial run-out and concentricity can only be achieved with precise mounting surfaces.

LOAD DATA (for the stationary central part)

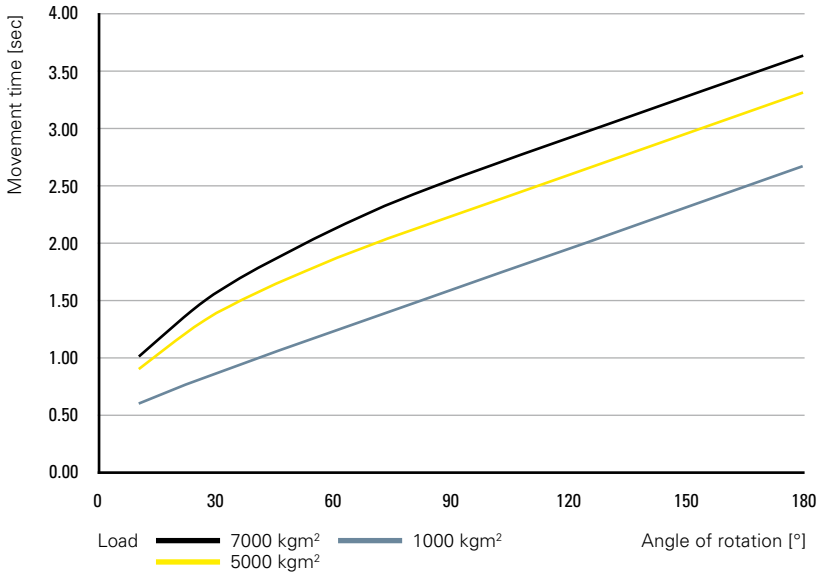
T_{SP}	Permitted torque:	1700 Nm
$M_{T\,SP}$	Permitted tilting moment:	3500 Nm
$F_{A\,SP}$	Permitted axial force:	35000 N
$F_{R\,SP}$	Permitted radial force:	19000 N

Combined loads and permitted process forces only after inspection by WEISS.

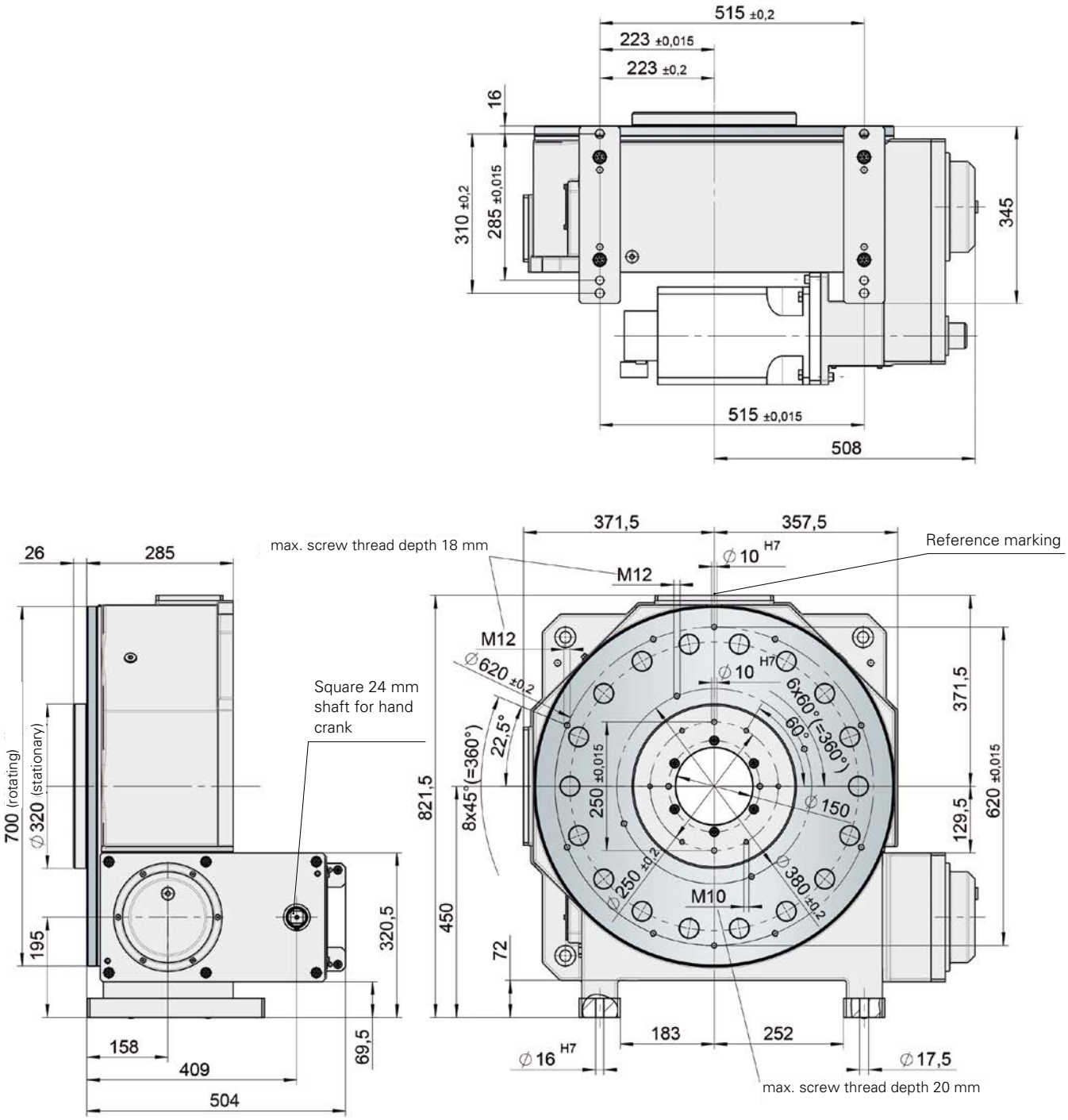
LOAD DATA (for the output flange)

$M_{2T\,dyn}$	Permitted dynamic tilting moment:	10000 Nm
$F_{2A\,dyn}$	Permitted dynamic axial force:	70000 N
$F_{2R\,dyn}$	Permitted dynamic radial force:	30000 N

TIMING DIAGRAM (please contact us for other requests)



DIMENSIONS



The shown position of the dial plate corresponds to the home position (state of delivery).
It is possible to fit popular alternative motors from various manufacturers. The drive flange geometries are motor-dependent.