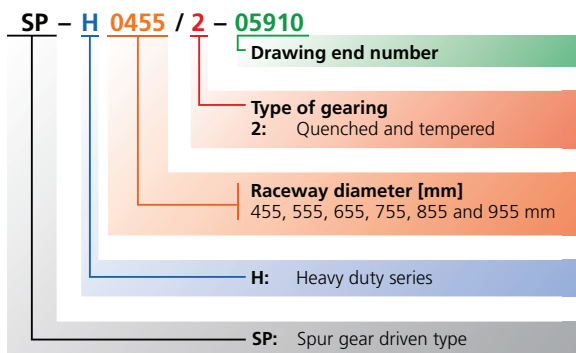


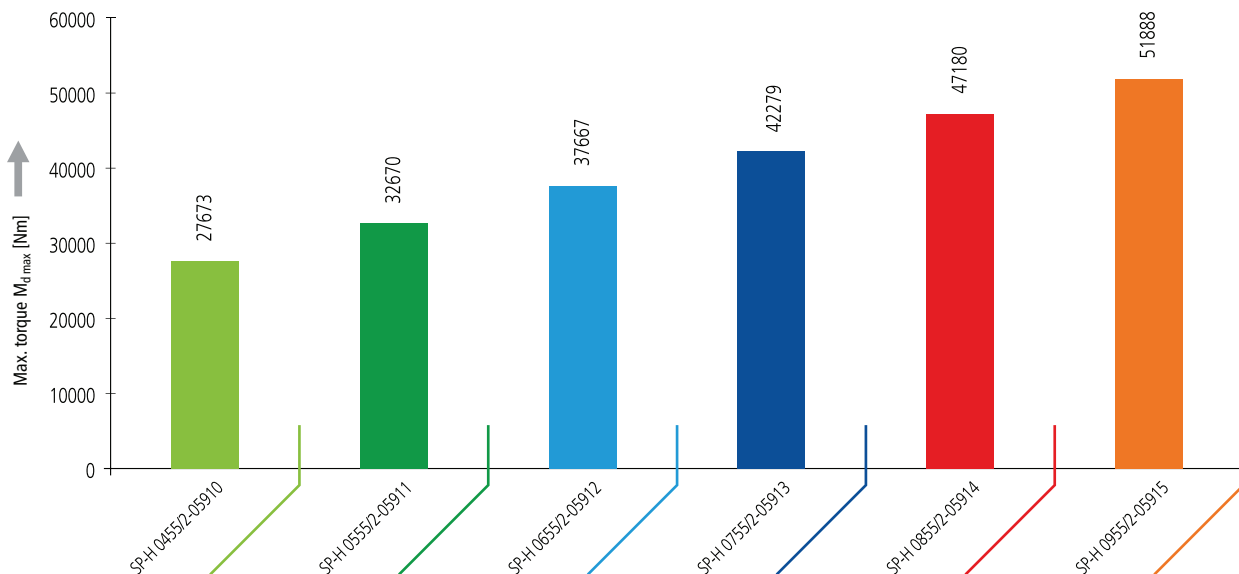
SP-H series

Series overview



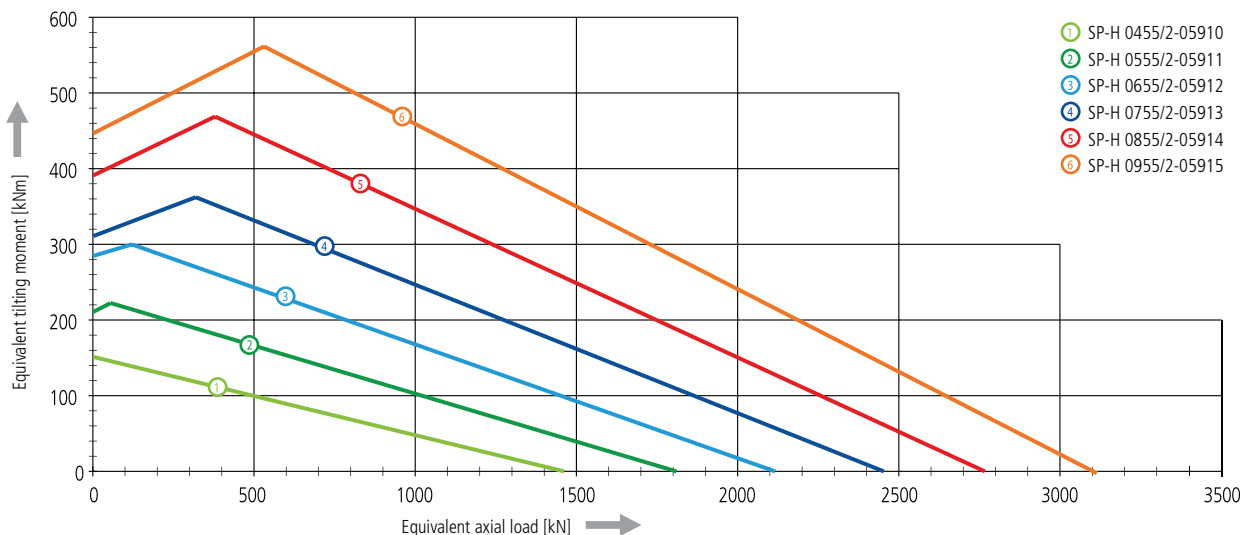
Maximum torque $M_{d\max}$ of the individual sizes

CAUTION: The duty per minute is limited.
Please always observe the explanations in the Technical Information section (from page 60).

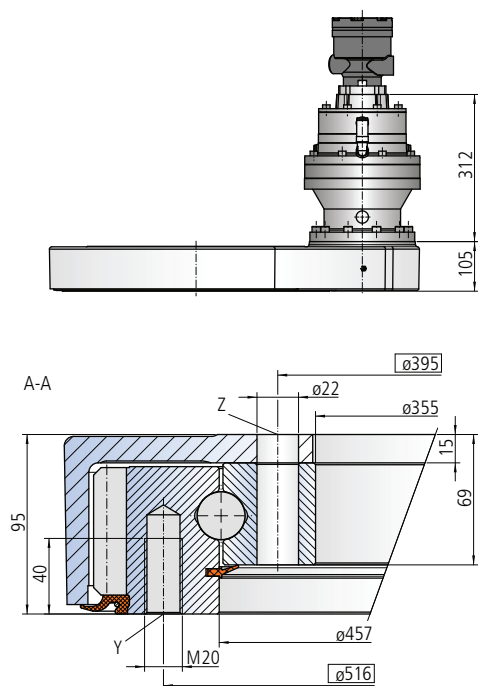


Limiting load diagrams of the individual sizes for compressive loads

Please always observe the explanations in the Technical Information section (from page 60).

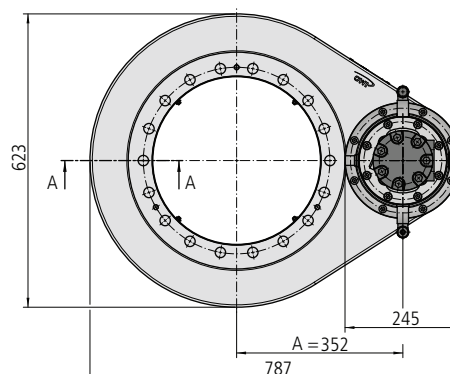


Size SP-H 0455



The mounting structure must support the housing to at least $\phi 455$.

The seal must be supported by the mounting structure to at least $\phi 610$, in order to ensure the full sealing effect.
A recess in the mounting structure of 10 mm above the housing is recommended.



Mounting holes

Y = 18 drill holes M20-40 deep, evenly distributed
Z = 18 drill holes $\phi 22$, evenly distributed

Lubricating ports

4 conical grease nipples on internal diameter
2 conical grease nipples on housing exterior
Slew drive supplied pre-lubricated

Drawing number SP-H 0455/2-05910			
Module	m	[mm]	8
Number of teeth, wheel	z_2	[-]	72
Number of teeth, pinion	z_1	[-]	15
Slew drive gear ratio	i	[-]	4.8
Overall gear ratio incl. gear box	i_{tot}	[-]	86.88
Max. torque	$M_{d max}$	[Nm]	27673
Nom. torque $S_F = 1$ at $n = 3 \text{ min}^{-1}$	$M_{d nom}$	[Nm]	18115
Max. holding torque*	$M_{h max}$	[Nm]	27673
Static load rating, radial	$C_{o rad}$	[kN]	552
Static load rating, axial	$C_{o ax}$	[kN]	1477
Dynamic load rating, radial	C_{rad}	[kN]	280
Dynamic load rating, axial	C_{ax}	[kN]	326
Weight, incl. 11 kg for hydraulic motor RE160		[kg]	207

* Optionally with brake

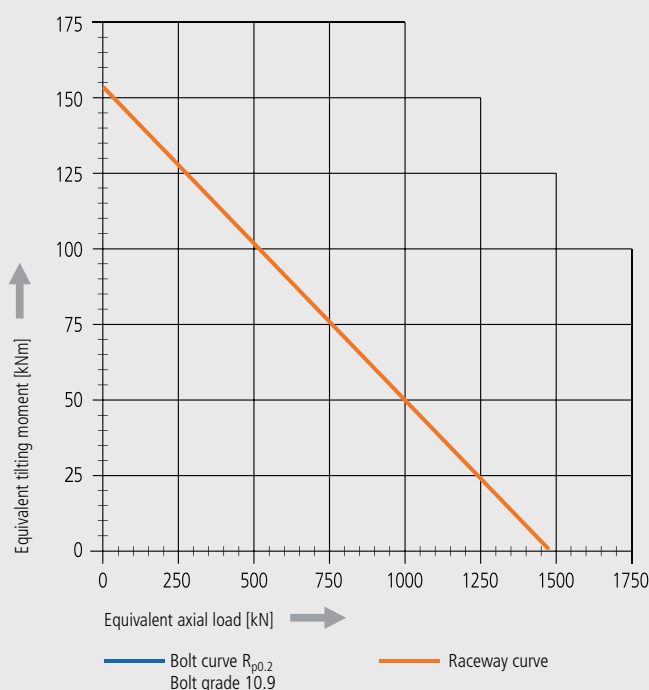
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with hydraulic motor RE160

Pressure differential	Δp	[bar]	165
Oil flow	Q	[l/min]	45
Output speed	n	[min ⁻¹]	3
Max. achievable torque	M_d	[Nm]	27673

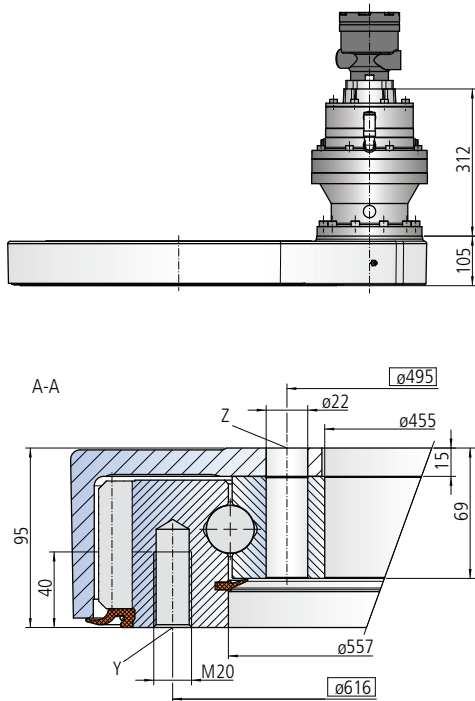
Limiting load diagram for compressive loads



Please always observe the technical information!

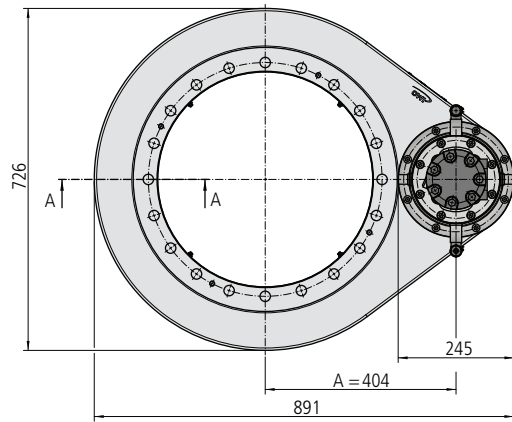
SP-H series

Size SP-H 0555



The mounting structure must support the housing to at least $\phi 555$.

The seal must be supported by the mounting structure to at least $\phi 714$, in order to ensure the full sealing effect.
A recess in the mounting structure of 10 mm above the housing is recommended.



Mounting holes

Y = 20 drill holes M20-40 deep, evenly distributed
Z = 20 drill holes $\phi 22$, evenly distributed

Lubricating ports

4 conical grease nipples on internal diameter
2 conical grease nipples on housing exterior
Slew drive supplied pre-lubricated

Drawing number SP-H 0555/2-05911			
Module	m	[mm]	8
Number of teeth, wheel	z₂	[-]	85
Number of teeth, pinion	z₁	[-]	15
Slew drive gear ratio	i	[-]	5.67
Overall gear ratio incl. gear box	i_{tot}	[-]	102.56
Max. torque	M_{d max}	[Nm]	32670
Nom. torque $S_F = 1$ at $n = 3 \text{ min}^{-1}$	M_{d nom}	[Nm]	21590
Max. holding torque*	M_{h max}	[Nm]	32670
Static load rating, radial	C_{o rad}	[kN]	673
Static load rating, axial	C_{o ax}	[kN]	1802
Dynamic load rating, radial	C_{rad}	[kN]	301
Dynamic load rating, axial	C_{ax}	[kN]	351
Weight, incl. 11 kg for hydraulic motor RE160		[kg]	226

* Optionally with brake

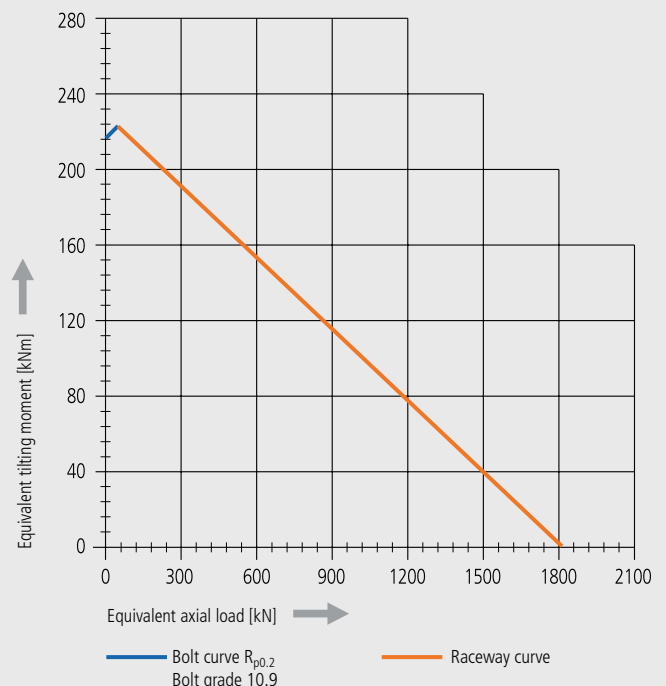
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with hydraulic motor RE160

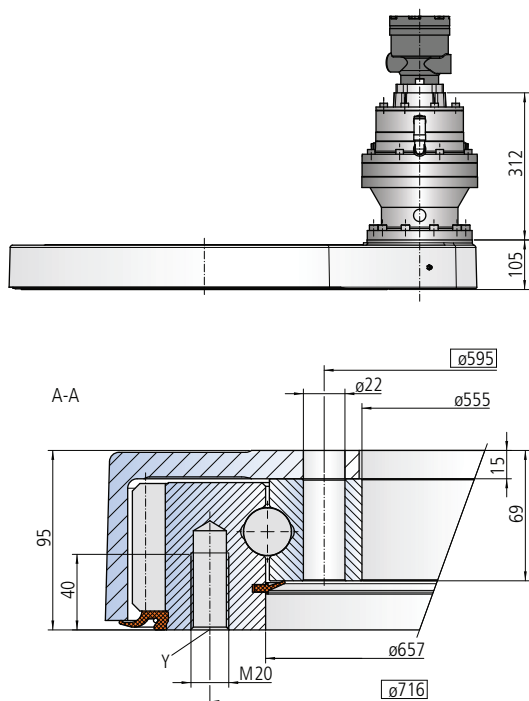
Pressure differential	Δp	[bar]	165
Oil flow	Q	[l/min]	53
Output speed	n	[min ⁻¹]	3
Max. achievable torque	M_d	[Nm]	32670

Limiting load diagram for compressive loads



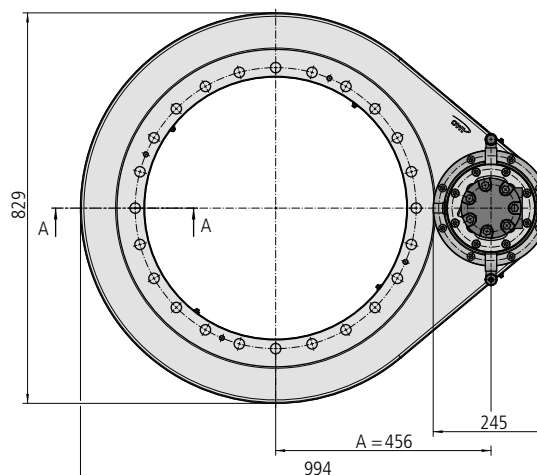
Please always observe the technical information!

Size SP-H 0655



The mounting structure must support the housing to at least $\phi 655$.

The seal must be supported by the mounting structure to at least $\phi 818$, in order to ensure the full sealing effect.
A recess in the mounting structure of 10 mm above the housing is recommended.



Mounting holes

Y = 24 drill holes M20-40 deep, evenly distributed
Z = 24 drill holes $\phi 22$, evenly distributed

Lubricating ports

4 conical grease nipples on internal diameter
2 conical grease nipples on housing exterior
Slew drive supplied pre-lubricated

Drawing number SP-H 0655/2-05912

Module	m	[mm]	8
Number of teeth, wheel	z₂	[-]	98
Number of teeth, pinion	z₁	[-]	15
Slew drive gear ratio	i	[-]	6.53
Overall gear ratio incl. gear box	i_{tot}	[-]	118.25
Max. torque	M_{d max}	[Nm]	37667
Nom. torque $S_F = 1$ at $n = 3 \text{ min}^{-1}$	M_{d nom}	[Nm]	25048
Max. holding torque*	M_{h max}	[Nm]	37667
Static load rating, radial	C_{o rad}	[kN]	794
Static load rating, axial	C_{o ax}	[kN]	2127
Dynamic load rating, radial	C_{rad}	[kN]	319
Dynamic load rating, axial	C_{ax}	[kN]	373
Weight, incl. 11 kg for hydraulic motor RE160		[kg]	246

* Optionally with brake

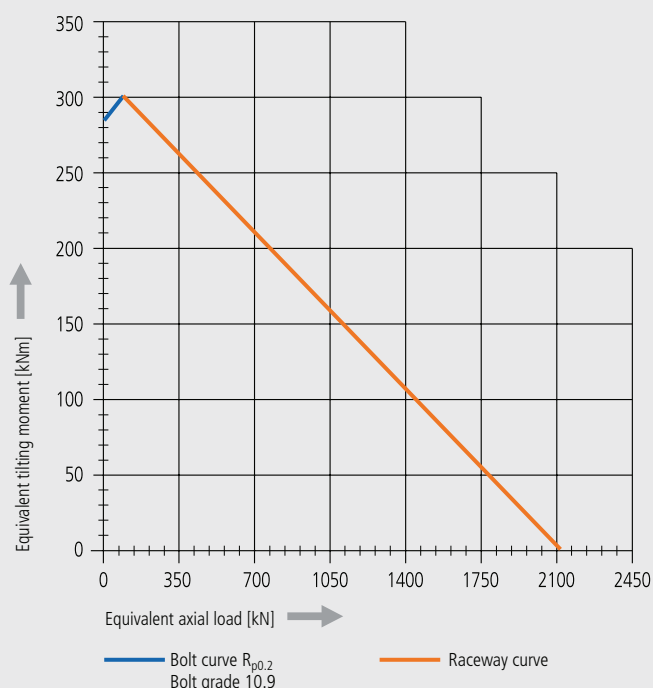
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with hydraulic motor RE160

Pressure differential	Δp	[bar]	165
Oil flow	Q	[l/min]	60
Output speed	n	[min ⁻¹]	3
Max. achievable torque	M_d	[Nm]	37667

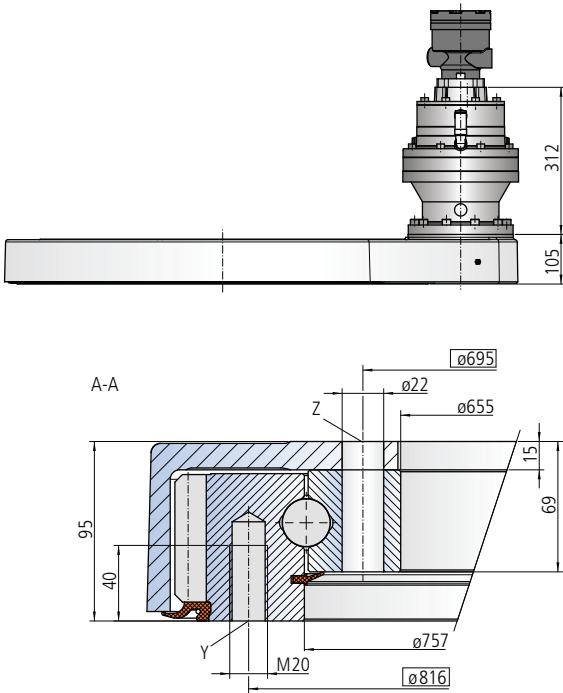
Limiting load diagram for compressive loads



Please always observe the technical information!

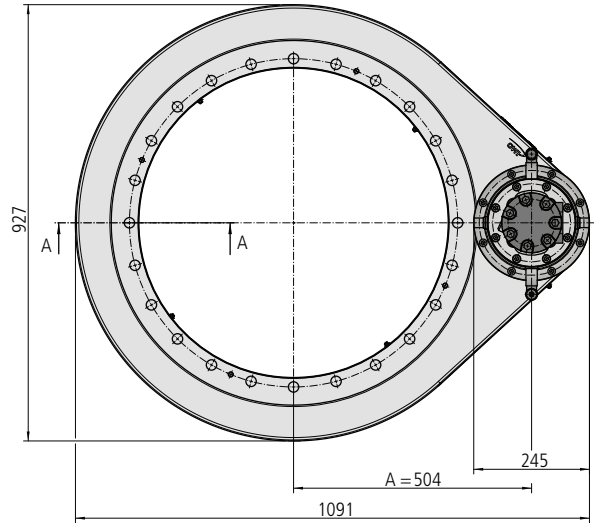
SP-H series

Size SP-H 0755



The mounting structure must support the housing to at least $\phi 755$.

The seal must be supported by the mounting structure to at least $\phi 914$, in order to ensure the full sealing effect.
A recess in the mounting structure of 10 mm above the housing is recommended.



Mounting holes

Y = 24 drill holes M20-40 deep, evenly distributed
Z = 24 drill holes $\phi 22$, evenly distributed

Lubricating ports

4 conical grease nipples on internal diameter
2 conical grease nipples on housing exterior
Slew drive supplied pre-lubricated

Drawing number SP-H 0755/2-05913			
Module	m	[mm]	8
Number of teeth, wheel	z₂	[-]	110
Number of teeth, pinion	z₁	[-]	15
Slew drive gear ratio	i	[-]	7.33
Overall gear ratio incl. gear box	i_{tot}	[-]	132.73
Max. torque	M_{d max}	[Nm]	42279
Nom. torque $S_F = 1$ at $n = 3 \text{ min}^{-1}$	M_{d nom}	[Nm]	28204
Max. holding torque*	M_{h max}	[Nm]	42279
Static load rating, radial	C_{o rad}	[kN]	916
Static load rating, axial	C_{o ax}	[kN]	2452
Dynamic load rating, radial	C_{rad}	[kN]	336
Dynamic load rating, axial	C_{ax}	[kN]	393
Weight, incl. 11 kg for hydraulic motor RE160		[kg]	268

* Optionally with brake

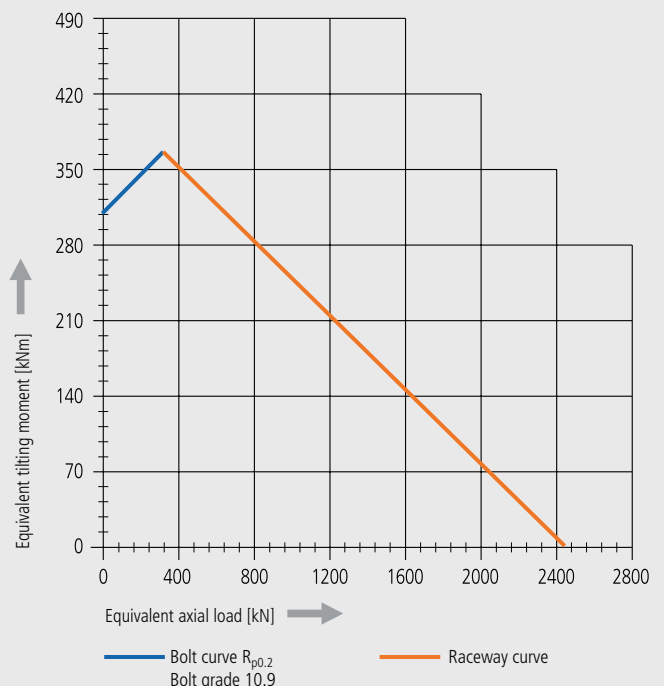
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with hydraulic motor RE160

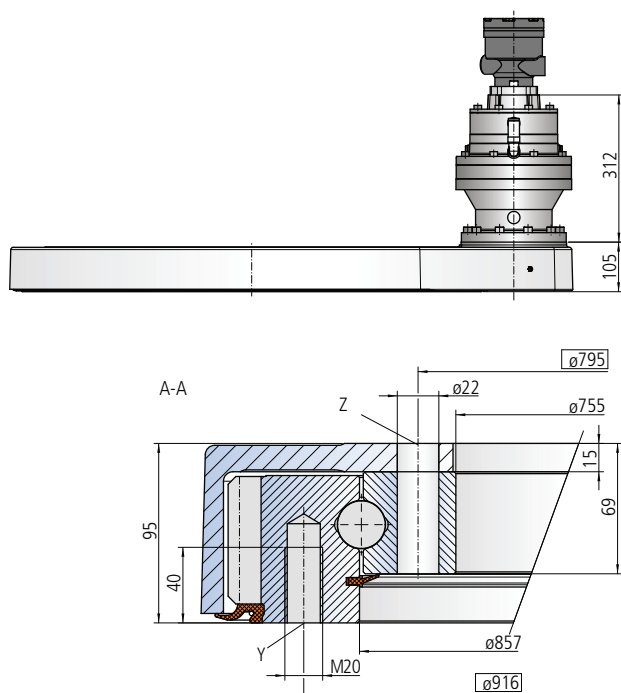
Pressure differential	Δp	[bar]	170
Oil flow	Q	[l/min]	67
Output speed	n	[min ⁻¹]	3
Max. achievable torque	M_d	[Nm]	42279

Limiting load diagram for compressive loads



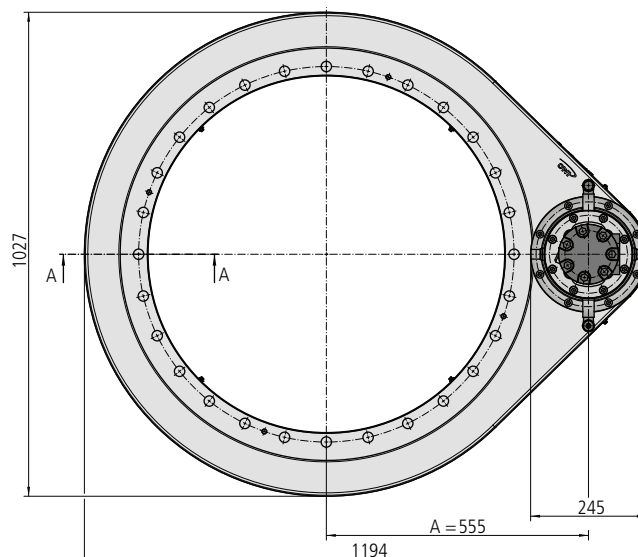
Please always observe the technical information!

Size SP-H 0855



The mounting structure must support the housing to at least $\varnothing 855$.

The seal must be supported by the mounting structure to at least $\varnothing 1016$, in order to ensure the full sealing effect.
A recess in the mounting structure of 10 mm above the housing is recommended.



Mounting holes

Y = 28 drill holes M20-40 deep, evenly distributed
Z = 28 drill holes $\varnothing 22$, evenly distributed

Lubricating ports

4 conical grease nipples on internal diameter
2 conical grease nipples on housing exterior
Slew drive supplied pre-lubricated

Drawing number SP-H 0855/2-05914

Module	m	[mm]	8
Number of teeth, wheel	z₂	[-]	122
Number of teeth, pinion	z₁	[-]	15
Slew drive gear ratio	i	[-]	8.13
Overall gear ratio incl. gear box	i_{tot}	[-]	147.21
Max. torque	M_{d max}	[-]	47180
Nom. torque $S_F = 1$ at $n = 3 \text{ min}^{-1}$	M_{d nom}	[Nm]	32749
Max. holding torque*	M_{h max}	[Nm]	47180
Static load rating, radial	C_{o rad}	[Nm]	1037
Static load rating, axial	C_{o ax}	[kN]	2777
Dynamic load rating, radial	C_{rad}	[kN]	354
Dynamic load rating, axial	C_{ax}	[kN]	414
Weight, incl. 11 kg for hydraulic motor RE160		[kg]	289

* Optionally with brake

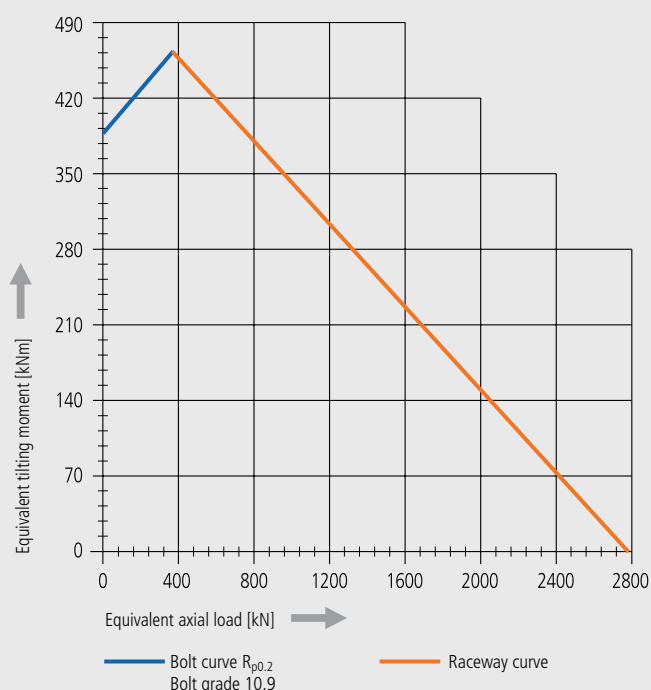
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with hydraulic motor RE160

Pressure differential	Δp	[bar]	175
Oil flow	Q	[l/min]	74
Output speed	n	[min ⁻¹]	3
Max. achievable torque	M_d	[Nm]	47180

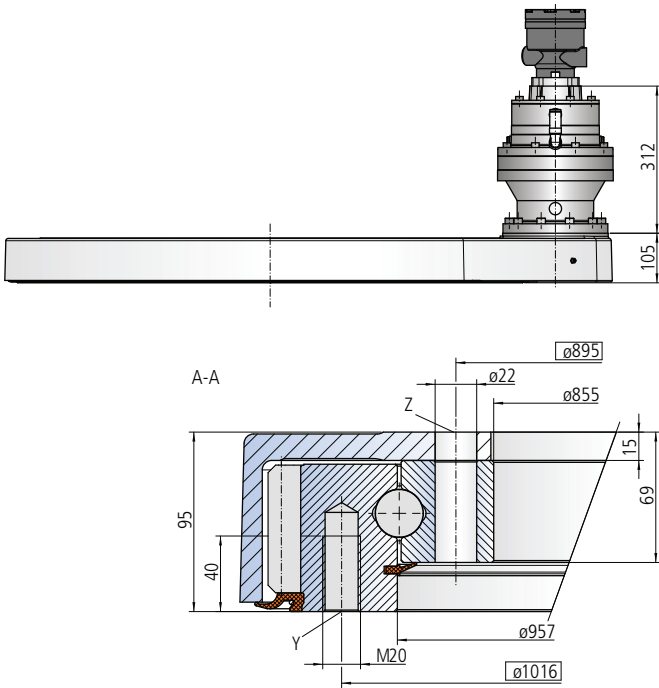
Limiting load diagram for compressive loads



Please always observe the technical information!

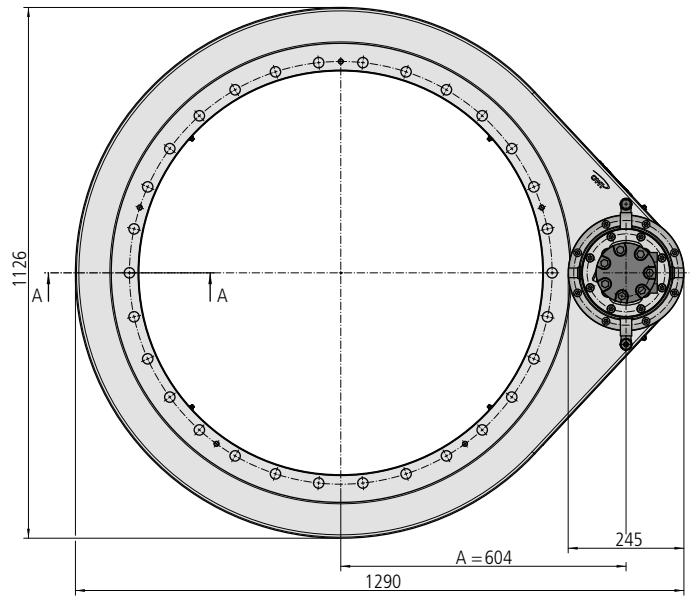
SP-H series

Size SP-H 0955



The mounting structure must support the housing to at least $\varnothing 955$.

The seal must be supported by the mounting structure to at least $\varnothing 1114$, in order to ensure the full sealing effect.
A recess in the mounting structure of 10 mm above the housing is recommended.



Mounting holes

Y = 30 drill holes M20-40 deep, evenly distributed
Z = 30 drill holes $\varnothing 22$, evenly distributed

Lubricating ports

4 conical grease nipples on internal diameter
2 conical grease nipples on housing exterior
Slew drive supplied pre-lubricated

Drawing number SP-H 0955/2-05915			
Module	m	[mm]	8
Number of teeth, wheel	z₂	[-]	134
Number of teeth, pinion	z₁	[-]	15
Slew drive gear ratio	i	[-]	8.93
Overall gear ratio incl. gear box	i_{tot}	[-]	161.69
Max. torque	M_{d max}	[Nm]	51888
Nom. torque $S_F = 1$ at $n = 3 \text{ min}^{-1}$	M_{d nom}	[Nm]	36342
Max. holding torque*	M_{h max}	[Nm]	51888
Static load rating, radial	C_{o rad}	[kN]	1159
Static load rating, axial	C_{o ax}	[kN]	3101
Dynamic load rating, radial	C_{rad}	[kN]	369
Dynamic load rating, axial	C_{ax}	[kN]	431
Weight, incl. 10 kg for hydraulic motor OMS125		[kg]	315

* Optionally with brake

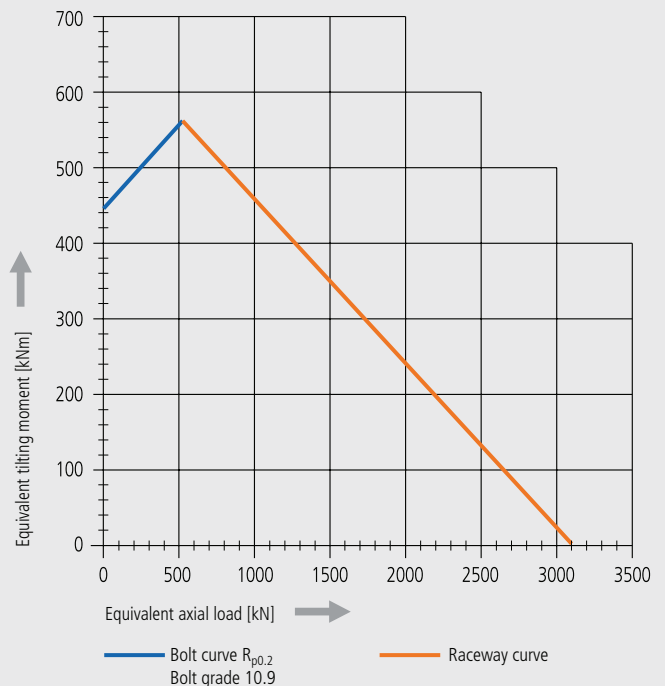
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with hydraulic motor OMS125

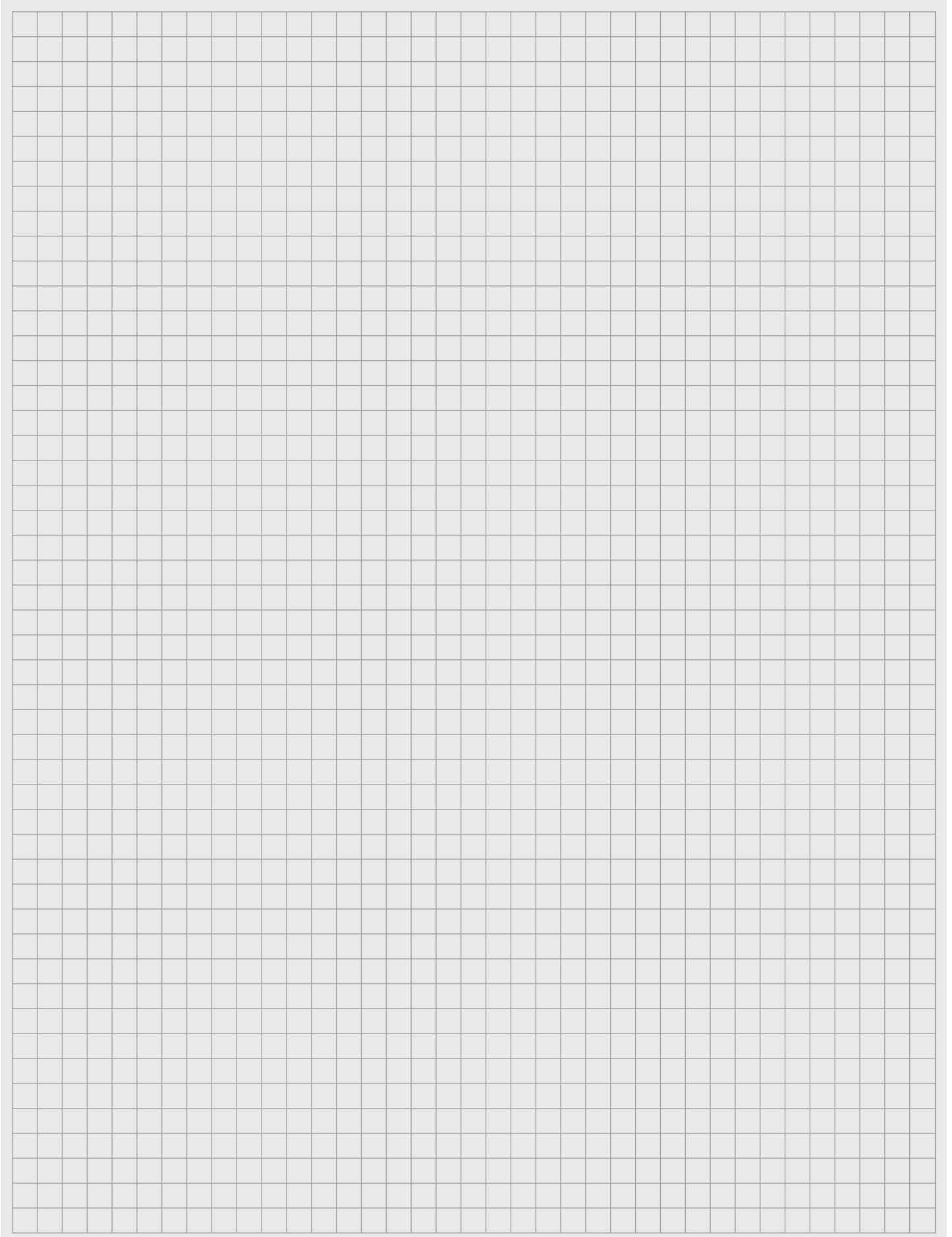
Pressure differential	Δp	[bar]	200
Oil flow	Q	[l/min]	65
Output speed	n	[min ⁻¹]	3
Max. achievable torque	M_d	[Nm]	51888

Limiting load diagram for compressive loads



Please always observe the technical information!

Your notes

A large, empty grid of small squares, typical of graph paper, intended for taking notes. The grid is composed of light grey lines on a white background.