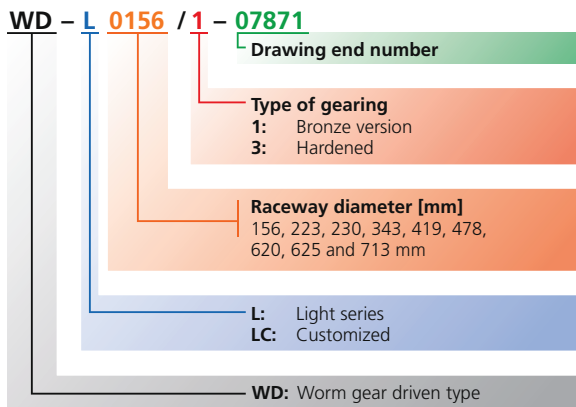


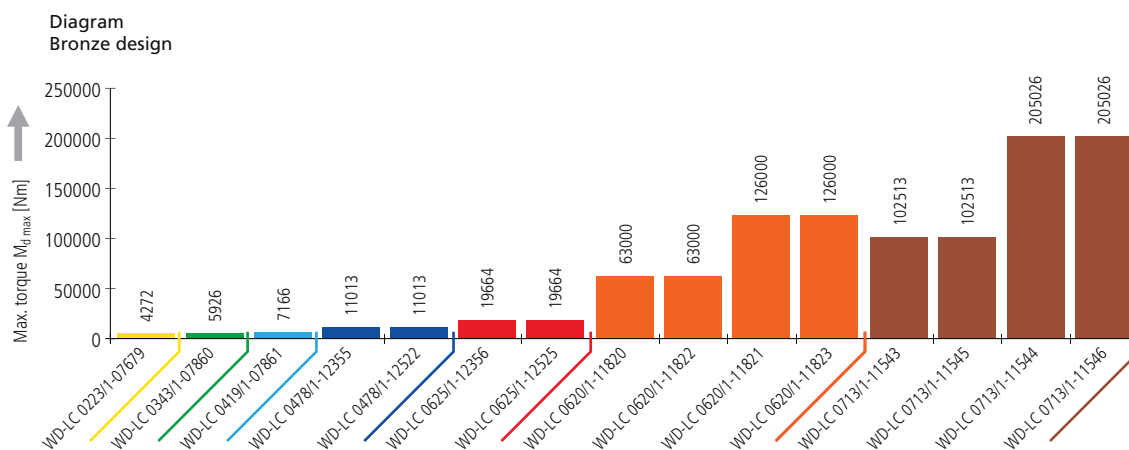
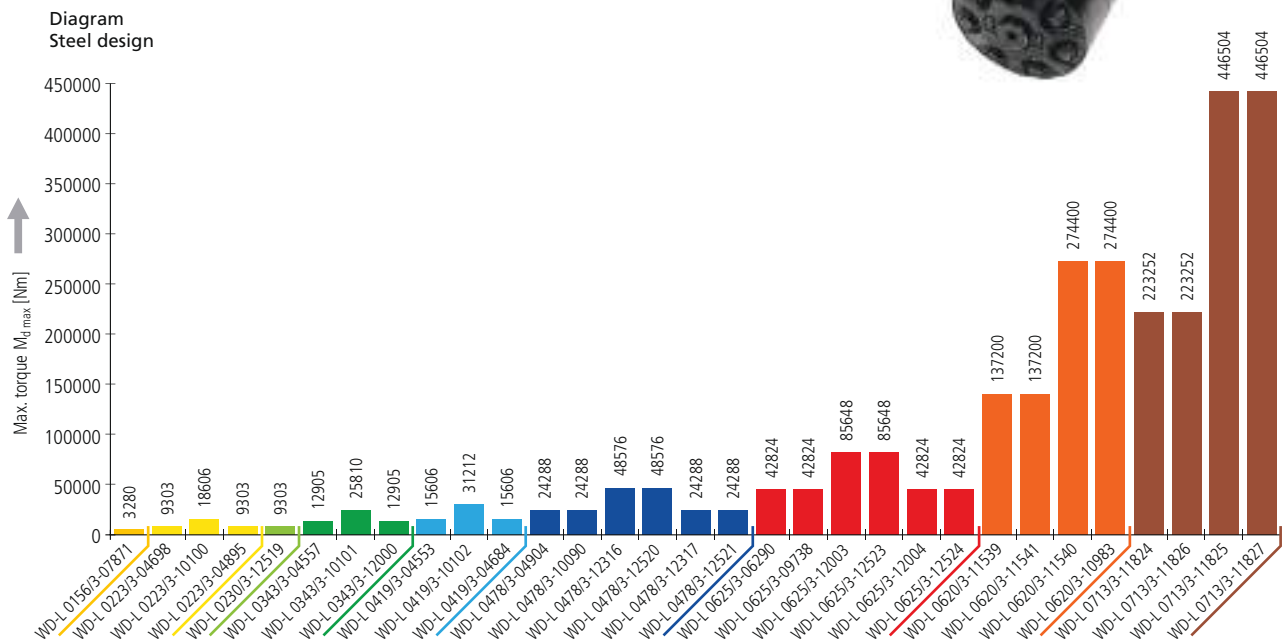
WD-L series

WD-L series overview



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

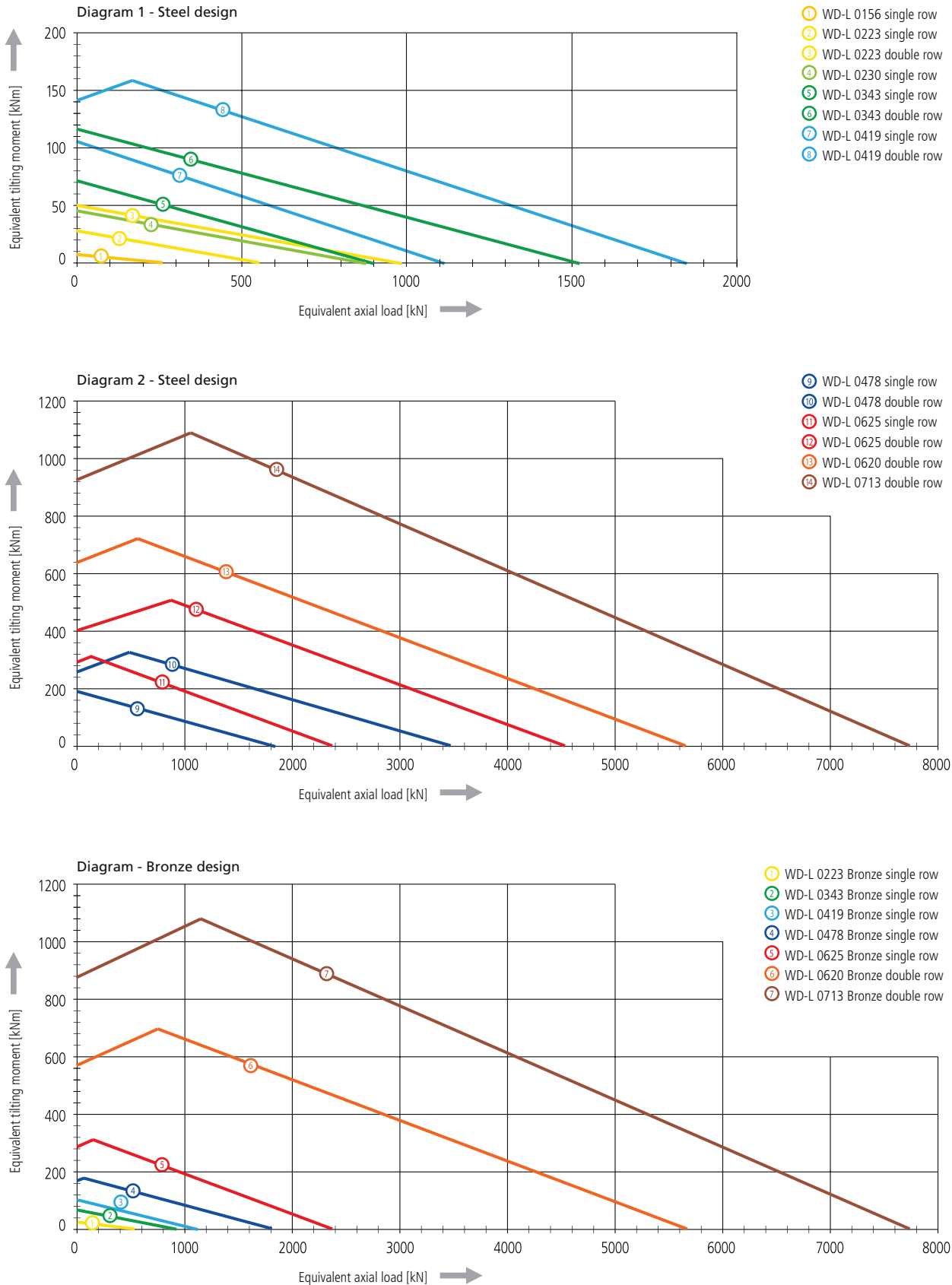
CAUTION: The duty per minute is limited.
Please always observe the explanations in the Technical Information section (from page 60).



WD-L series overview

Limiting load diagrams of the individual sizes for compressive loads

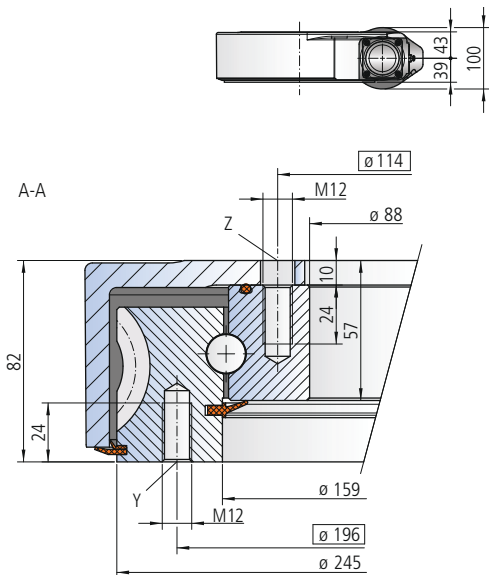
Please always observe the explanations in the Technical Information section (from page 60).



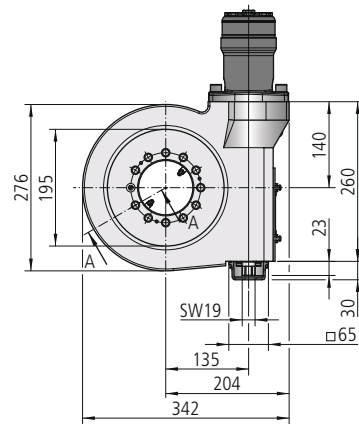
WD-L

WD-L series

Size WD-L 0156 / 1-row / 1 drive



The mounting structure must support the housing to at least $\phi 156$ and at most to $\phi 225$



Mounting holes

Y = 12 drill holes M12-24 deep, evenly distributed

Z = 11 drill holes $\phi 14$ -10 deep / M12-24 deep, evenly spaced over 12 pitch

Lubricating ports

2 conical grease nipples on internal diameter

2 conical grease nipples on housing exterior

Slew drive supplied pre-lubricated

Drawing number WD-L 0156/3-07871

Module	m	[mm]	5
Number of threads of the worm		[-]	1
Gear ratio	i	[-]	46
Self-locking gears			No**
Max. torque $s_f = 1$	M_{d max}	[Nm]	3280
Nom. torque $s_w = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	2520
Max. holding torque* $s_{f5} = 1$ (static)	M_{h max}	[Nm]	3280
Static load rating, radial	C_{o rad}	[kN]	94
Static load rating, axial	C_{o ax}	[kN]	253
Dynamic load rating, radial	C_{rad}	[kN]	83
Dynamic load rating, axial	C_{ax}	[kN]	97
Weight, incl. 6 kg for hydraulic motor OMP (X)160		[kg]	40

* Optionally with brake

** See: Technical Information, section *Self-locking*

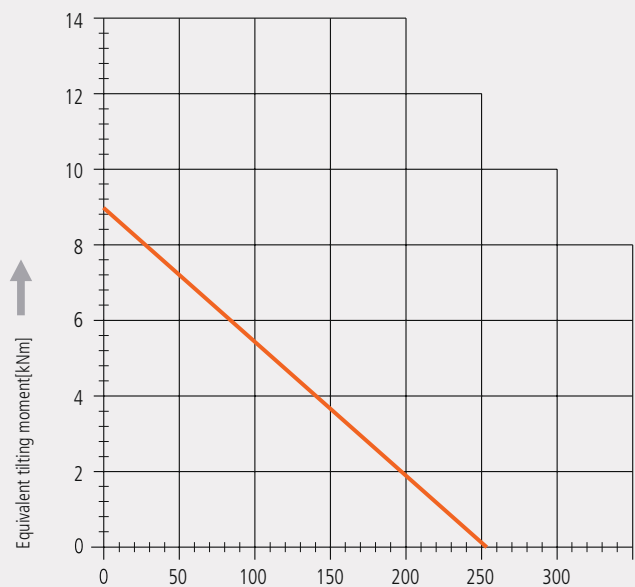
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with hydraulic motor OMP (X) 160

Pressure differential	Δp	[bar]	75
Oil flow	Q	[l/min]	8
Output speed	n	[min ⁻¹]	1
Max. achievable torque	M_d	[Nm]	3280

Limiting load diagram for compressive loads

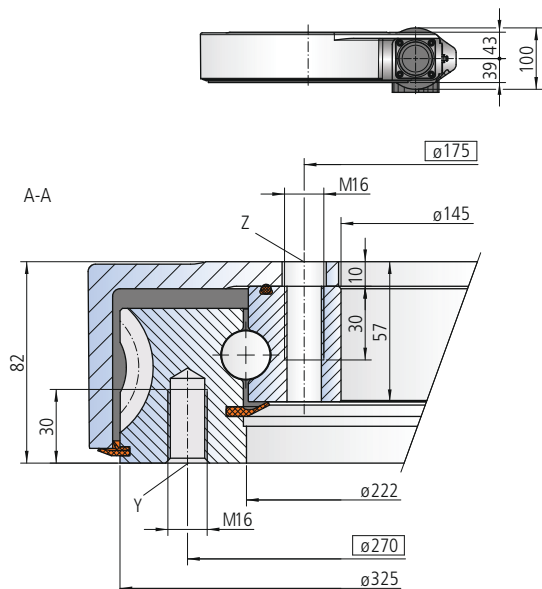


— Bolt curve $R_{p0.2}$
Bolt grade 10.9

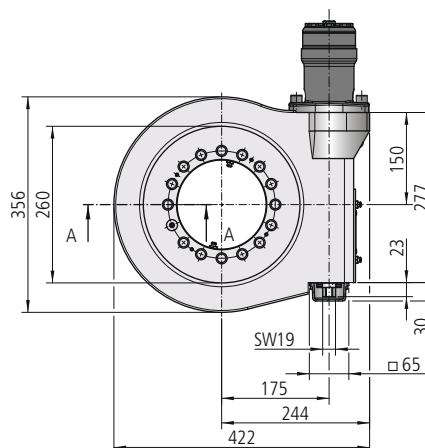
— Raceway curve

Please always observe the technical information!

Size WD-L 0223 / 1-row / 1 drive



The mounting structure must support the housing to at least $\varnothing 223$ and at most to $\varnothing 329$



Mounting holes

Y = 16 drill holes M16-30 deep, evenly distributed.

Z = 15 drill holes $\varnothing 18-10$ deep / M16-30 deep, evenly spaced over 16 pitch

Lubricating ports

2 conical grease nipples on internal diameter

2 conical grease nipples on housing exterior

Slew drive supplied pre-lubricated

Drawing number WD-L 0223/3-04698

Module	m	[mm]	5
Number of threads of the worm		[-]	1
Gear ratio	i	[-]	62
Self-locking gears			No**
Max. torque $s_f = 1$	M_{d max}	[Nm]	9303
Nom. torque $s_w = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	4795
Max. holding torque* $s_{f5} = 1$ (static)	M_{h max}	[Nm]	9303
Static load rating, radial	C_{o rad}	[kN]	204
Static load rating, axial	C_{o ax}	[kN]	547
Dynamic load rating, radial	C_{rad}	[kN]	132
Dynamic load rating, axial	C_{ax}	[kN]	154
Weight, incl. 6 kg for hydraulic motor OMP (X)160		[kg]	50

* Optionally with brake

** See: Technical Information, section *Self-locking*

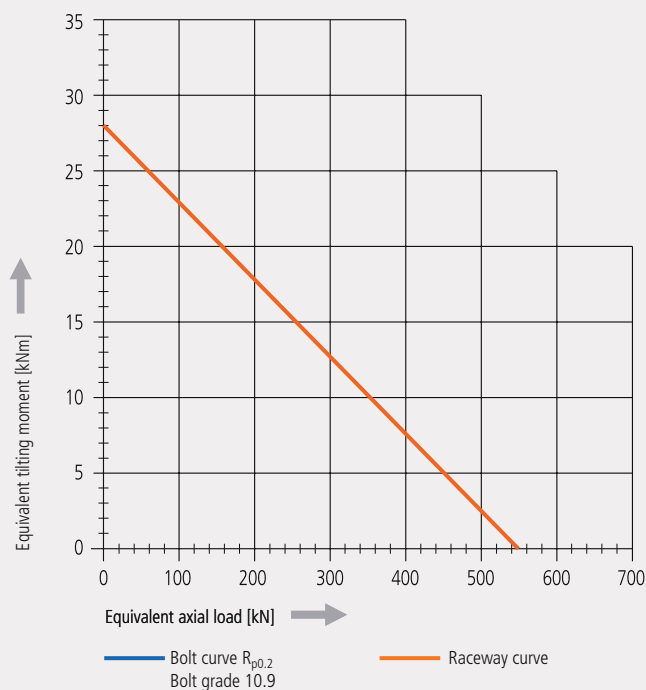
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with hydraulic motor OMP (X) 160

Pressure differential	Δp	[bar]	140
Oil flow	Q	[l/min]	14
Output speed	n	[min ⁻¹]	1
Max. achievable torque	M_d	[Nm]	9303

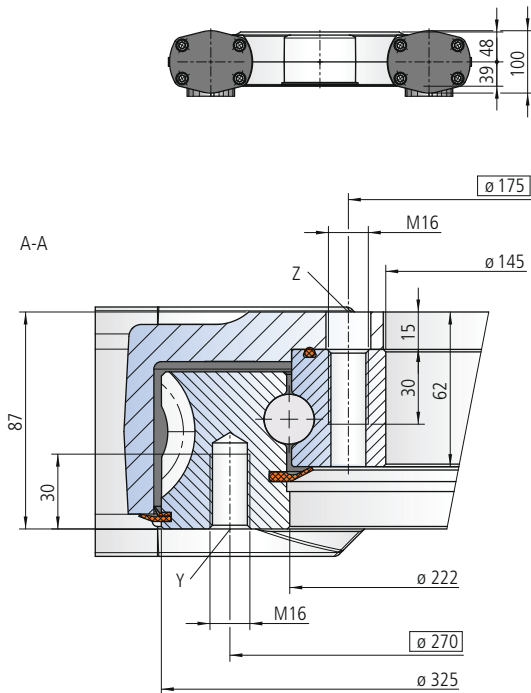
Limiting load diagram for compressive loads



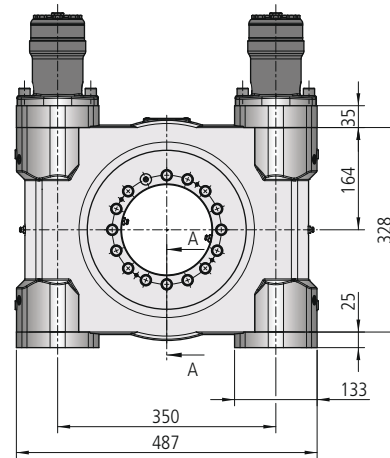
Please always observe the technical information!

WD-L series

Size WD-L 0223 / 1-row / 2 drives



The mounting structure must support the housing to at least $\varnothing 223$ and at most to $\varnothing 345$



Mounting holes

Y = 16 drill holes M16-30 deep, evenly distributed.

Z = 15 drill holes $\varnothing 18-15$ deep / M16-30 deep, evenly spaced over 16 pitch

Lubricating ports

2 conical grease nipples on internal diameter

2 conical grease nipples on housing exterior

Slew drive supplied pre-lubricated

Drawing number WD-L 0223/3-10100

Module	m	[mm]	5
Number of threads of the worm		[-]	1
Gear ratio	i	[-]	62
Self-locking gears			No**
Max. torque $s_f = 1$	M_{d max}	[Nm]	18606
Nom. torque $s_w = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	9590
Max. holding torque* $s_{FS} = 1$ (static)	M_{h max}	[Nm]	18606
Static load rating, radial	C_{o rad}	[kN]	204
Static load rating, axial	C_{o ax}	[kN]	547
Dynamic load rating, radial	C_{rad}	[kN]	132
Dynamic load rating, axial	C_{ax}	[kN]	154
Weight, incl. 12 kg for two hydraulic motors OMP (X) 160		[kg]	93

* Optionally with brake

** See: Technical Information, section *Self-locking*

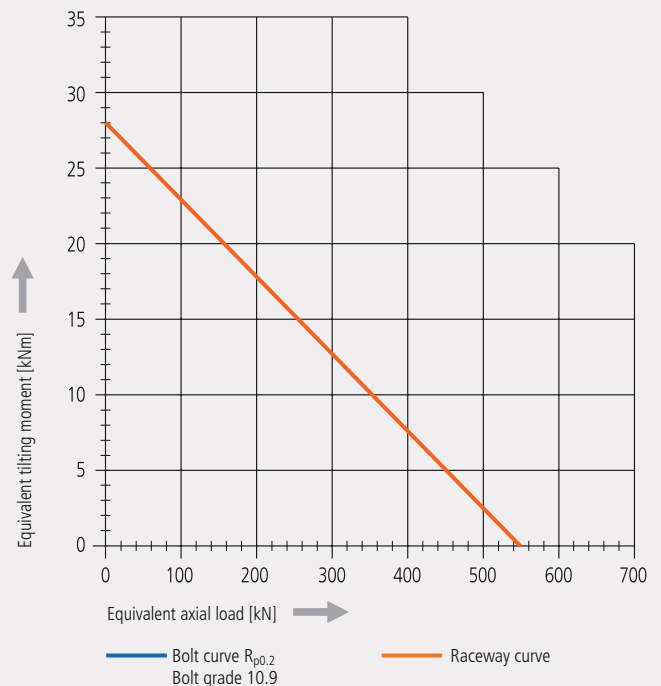
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with two hydraulic motors OMP (X) 160

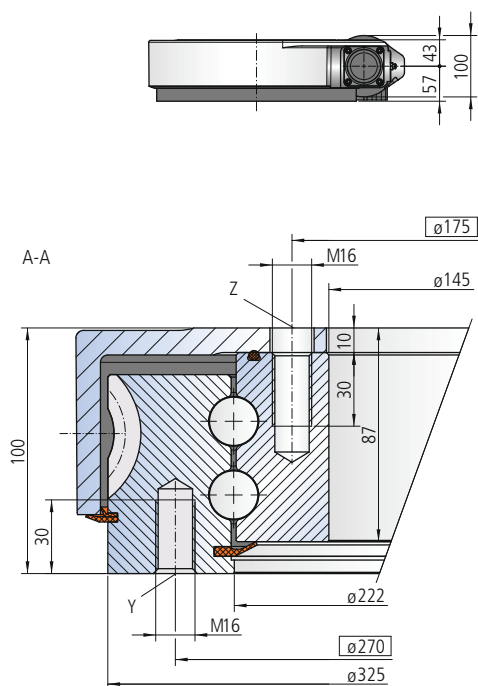
Pressure differential	Δp	[bar]	140
Oil flow	Q	[l/min]	28
Output speed	n	[min ⁻¹]	1
Max. achievable torque	M_d	[Nm]	18606

Limiting load diagram for compressive loads

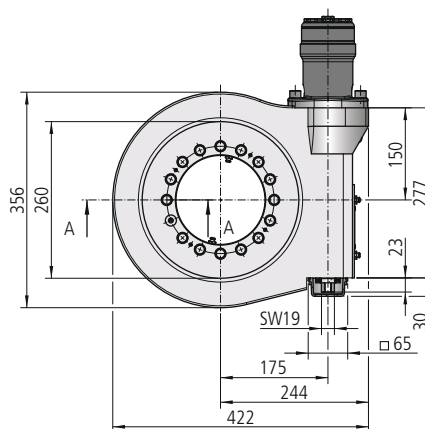


Please always observe the technical information!

Size WD-L 0223 / 2-row / 1 drive



The mounting structure must support the housing to at least $\phi 223$ and at most to $\phi 329$



Mounting holes

Y = 16 drill holes M16-30 deep, evenly distributed.

Z = 15 drill holes $\phi 18$ -10 deep / M16-30 deep, evenly spaced over 16 pitch

Lubricating ports

4 conical grease nipples on internal diameter

2 conical grease nipples on housing exterior

Slew drive supplied pre-lubricated

Drawing number WD-L 0223/3-04895

Module	m	[mm]	5
Number of threads of the worm		[-]	1
Gear ratio	i	[-]	62
Self-locking gears			No**
Max. torque $s_f = 1$	M_{d max}	[Nm]	9303
Nom. torque $s_w = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	4795
Max. holding torque* $s_{FS} = 1$ (static)	M_{h max}	[Nm]	9303
Static load rating, radial	C_{o rad}	[kN]	367
Static load rating, axial	C_{o ax}	[kN]	984
Dynamic load rating, radial	C_{rad}	[kN]	215
Dynamic load rating, axial	C_{ax}	[kN]	250
Weight, incl. 6 kg for hydraulic motor OMP (X) 160		[kg]	60

* Optionally with brake

** See: Technical Information, section *Self-locking*

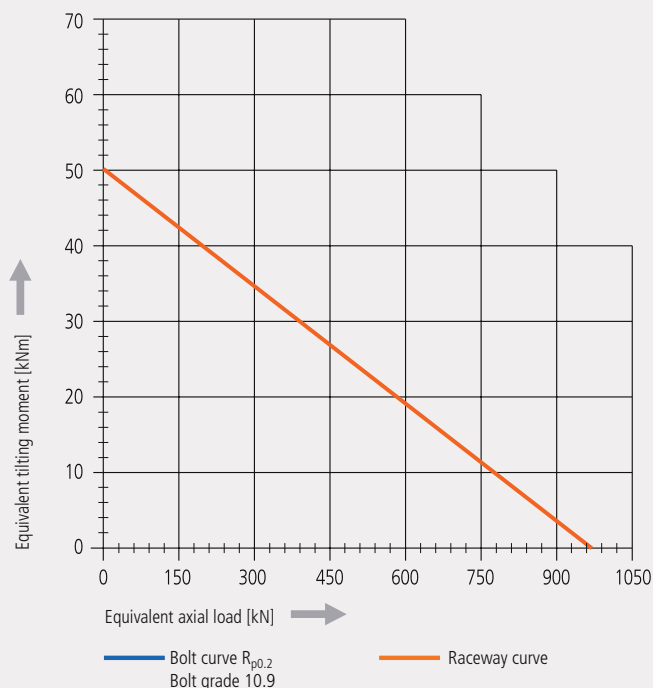
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with hydraulic motor OMP (X) 160

Pressure differential	Δp	[bar]	140
Oil flow	Q	[l/min]	14
Output speed	n	[min ⁻¹]	1
Max. achievable torque	M_d	[Nm]	9303

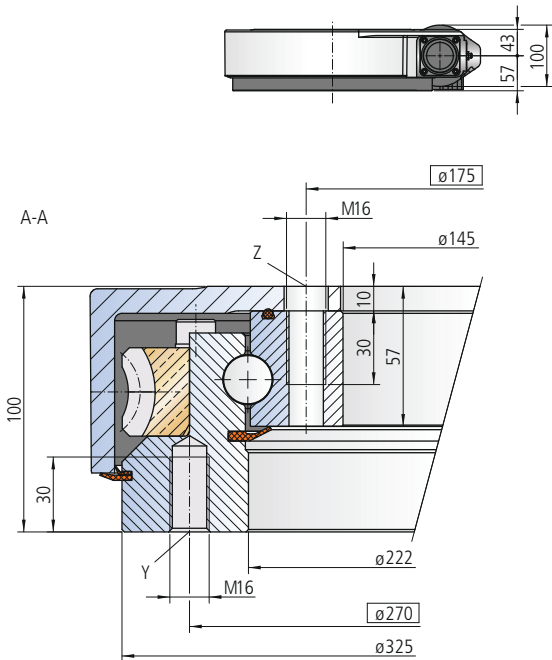
Limiting load diagram for compressive loads



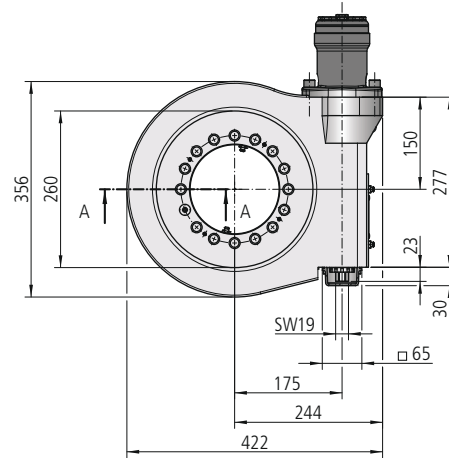
Please always observe the technical information!

WD-L series

Size WD-LC 0223 / 1-row / 1 drive - Bronze special design



The mounting structure must support the housing to at least $\varnothing 223$ and at most to $\varnothing 329$



Mounting holes

Y = 16 drill holes M16-30 deep, evenly distributed

Z = 15 drill holes $\varnothing 18$ -10 deep / M16-30 deep, evenly spaced over 16 pitch

Lubricating ports

2 conical grease nipples on internal diameter

2 conical grease nipples on housing exterior

Slew drive supplied pre-lubricated

Drawing number WD-LC 0223/1-07679			
Module	m	[mm]	5
Number of threads of the worm		[-]	1
Gear ratio	i	[-]	62
Self-locking gears			No**
Max. torque $s_f = 1$	M_{d max}	[Nm]	4272
Nom. torque $s_w = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	4272
Max. holding torque* $s_{f5} = 1$ (static)	M_{h max}	[Nm]	4272
Static load rating, radial	C_{o rad}	[kN]	204
Static load rating, axial	C_{o ax}	[kN]	547
Dynamic load rating, radial	C_{rad}	[kN]	132
Dynamic load rating, axial	C_{ax}	[kN]	154
Weight, incl. 6 kg for hydraulic motor OMP (X) 160		[kg]	58

* Optionally with brake

** See: Technical Information, section *Self-locking*

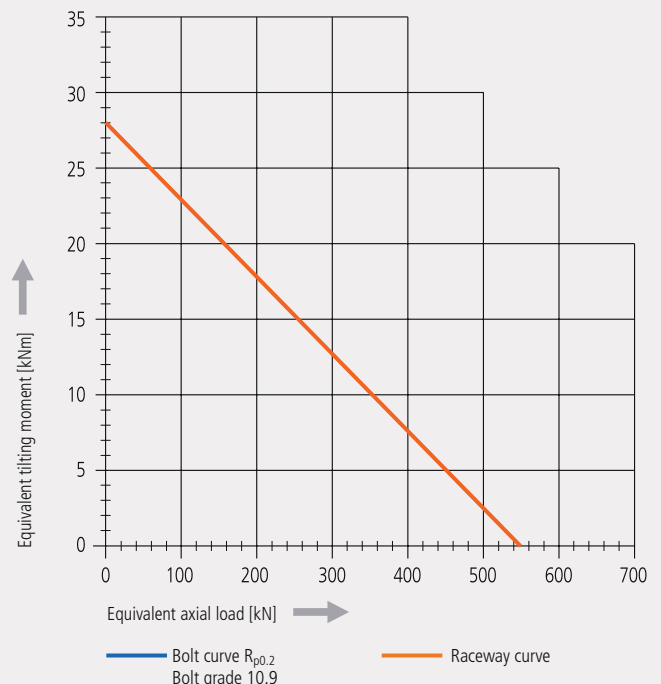
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with hydraulic motor OMP (X) 160

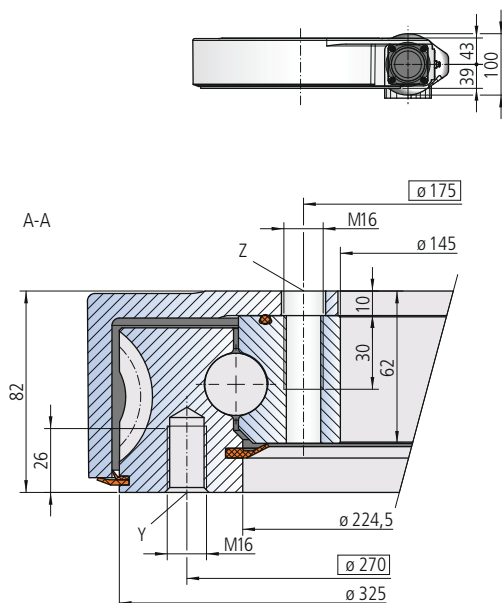
Pressure differential	Δp	[bar]	59
Oil flow	Q	[l/min]	10
Output speed	n	[min ⁻¹]	1
Max. achievable torque	M_d	[Nm]	4272

Limiting load diagram for compressive loads

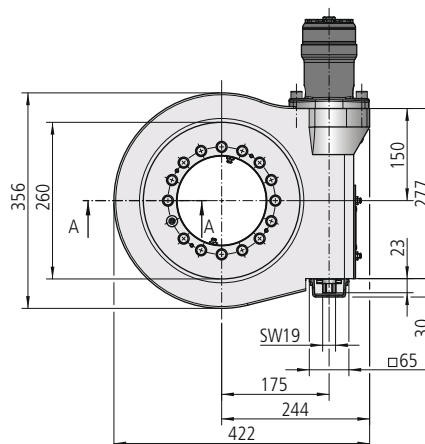


Please always observe the technical information!

Size WD-L 0230 / 1-row / 1 drive



The mounting structure must support the housing to at least $\varnothing 230$ and at most to $\varnothing 329$



Mounting holes

Y = 16 drill holes M16-24 deep, evenly distributed

Z = 15 drill holes $\varnothing 18-10$ deep / M16-30 deep, evenly spaced over 16 pitch

Lubricating ports

2 conical grease nipples on internal diameter

2 conical grease nipples on housing exterior

Slew drive supplied pre-lubricated

Drawing number WD-L 0230/3-12519

Module	m	[mm]	5
Number of threads of the worm		[-]	1
Gear ratio	i	[-]	62
Self-locking gears			No**
Max. torque $s_f = 1$	M_{d max}	[Nm]	9303
Nom. torque $s_w = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	4795
Max. holding torque* $s_{FS} = 1$ (static)	M_{h max}	[Nm]	9303
Static load rating, radial	C_{o rad}	[kN]	328
Static load rating, axial	C_{o ax}	[kN]	878
Dynamic load rating, radial	C_{rad}	[kN]	186
Dynamic load rating, axial	C_{ax}	[kN]	216
Weight, incl. 6 kg for hydraulic motor OMP (X) 160		[kg]	55

* Optionally with brake

** See: Technical Information, section *Self-locking*

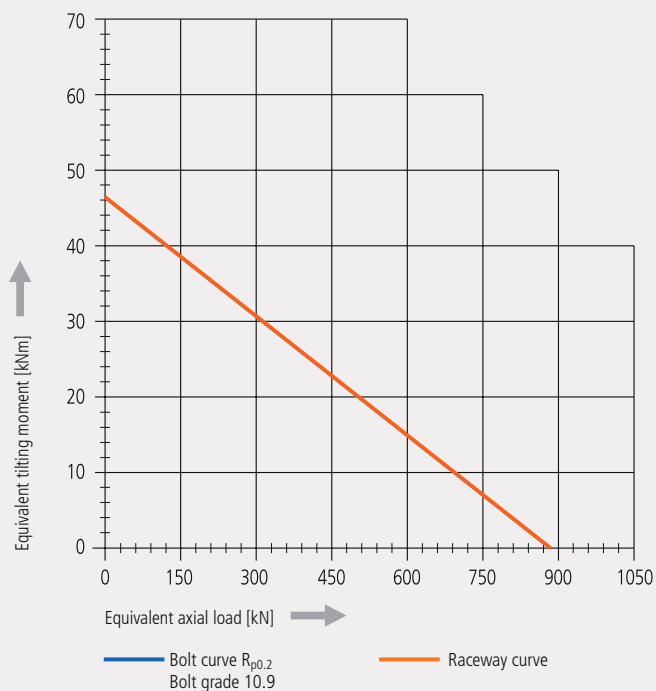
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with hydraulic motor OMP (X) 160

Pressure differential	Δp	[bar]	140
Oil flow	Q	[l/min]	14
Output speed	n	[min ⁻¹]	1
Max. achievable torque	M_d	[Nm]	9303

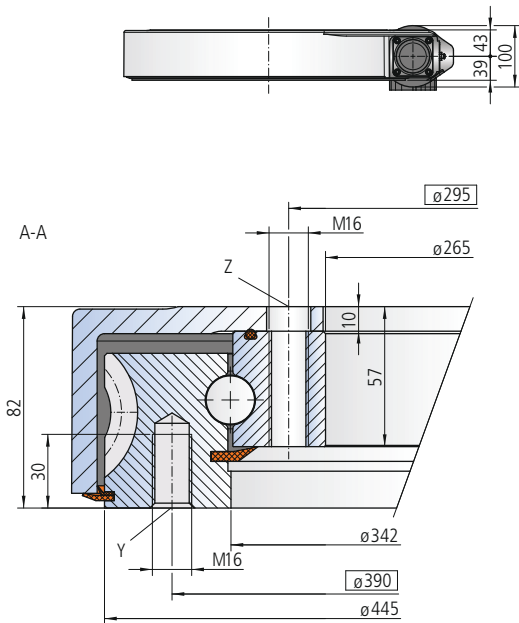
Limiting load diagram for compressive loads



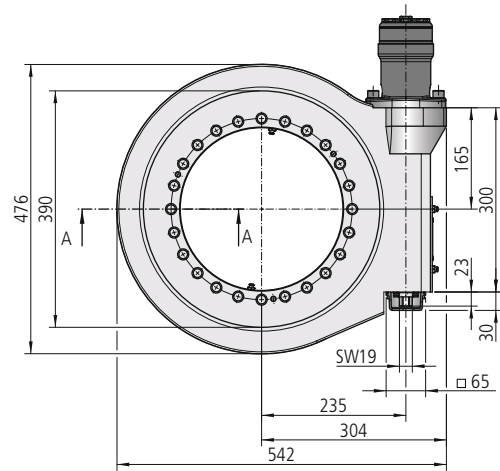
Please always observe the technical information!

WD-L series

Size WD-L 0343 / 1-row / 1 drive



The mounting structure must support the housing to at least $\varnothing 343$ and at most to $\varnothing 449$



Mounting holes

Y = 18 drill holes M16-30 deep, evenly distributed
Z = 24 drill holes $\varnothing 18$ -10 deep / M16, evenly distributed

Lubricating ports

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

Drawing number WD-L 0343/3-04557			
Module	m	[mm]	5
Number of threads of the worm		[-]	1
Gear ratio	i	[-]	86
Self-locking gears			No**
Max. torque $s_f = 1$	M_{d max}	[Nm]	12905
Nom. torque $s_w = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	10150
Max. holding torque* $s_{f5} = 1$ (static)	M_{h max}	[Nm]	12905
Static load rating, radial	C_{o rad}	[kN]	338
Static load rating, axial	C_{o ax}	[kN]	905
Dynamic load rating, radial	C_{rad}	[kN]	157
Dynamic load rating, axial	C_{ax}	[kN]	183
Weight, incl. 6 kg for hydraulic motor OMP (X) 160		[kg]	68

* Optionally with brake

** See: Technical Information, section *Self-locking*

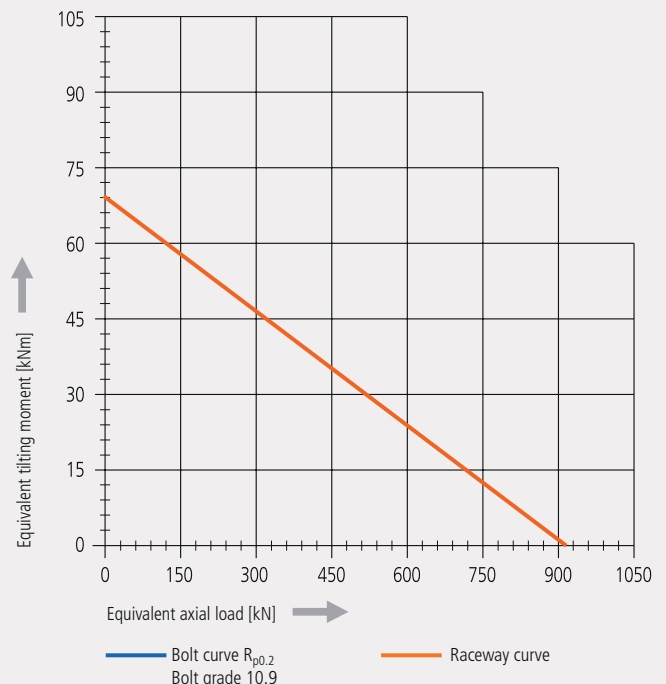
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with hydraulic motor OMP (X) 160

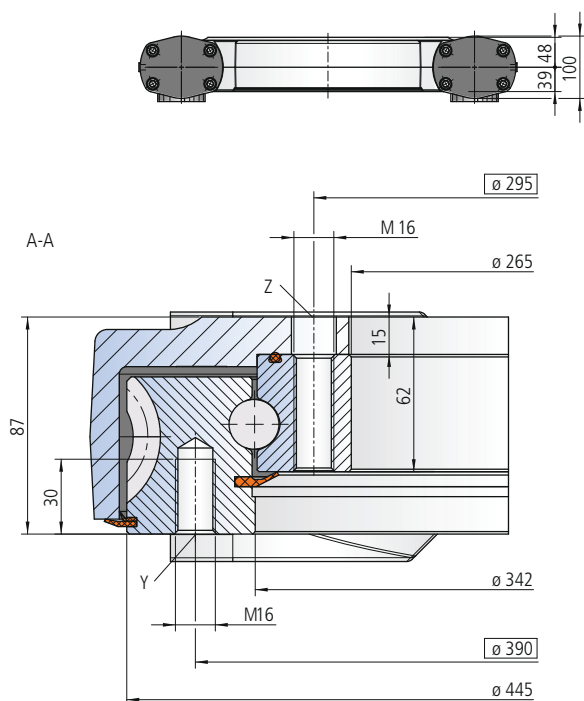
Pressure differential	Δp	[bar]	140
Oil flow	Q	[l/min]	18
Output speed	n	[min ⁻¹]	1
Max. achievable torque	M_d	[Nm]	12905

Limiting load diagram for compressive loads

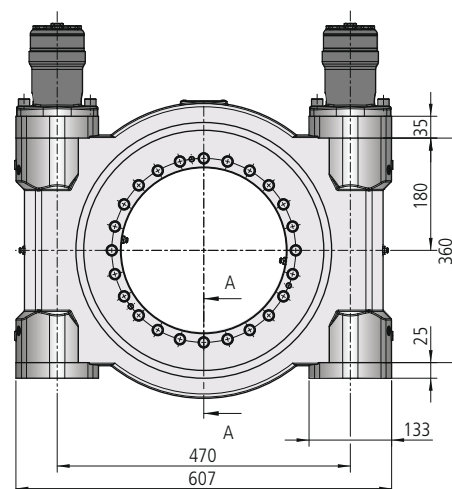


Please always observe the technical information!

Size WD-L 0343 / 1-row / 2 drives



The mounting structure must support the housing to at least $\varnothing 343$ and at most to $\varnothing 465$



Mounting holes

Y = 18 drill holes M16-30 deep, evenly distributed

Z = 24 drill holes $\varnothing 18-15$ deep / M16, evenly distributed

Lubricating ports

2 conical grease nipples on internal diameter

2 conical grease nipples on housing exterior

Slew drive supplied pre-lubricated

Drawing number WD-L 0343/3-10101

Module	m	[mm]	5
Number of threads of the worm		[-]	1
Gear ratio	i	[-]	86
Self-locking gears			No**
Max. torque $s_f = 1$	M_{d max}	[Nm]	25810
Nom. torque $s_w = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	20300
Max. holding torque* $s_{f5} = 1$ (static)	M_{h max}	[Nm]	36872
Static load rating, radial	C_{o rad}	[kN]	338
Static load rating, axial	C_{o ax}	[kN]	905
Dynamic load rating, radial	C_{rad}	[kN]	157
Dynamic load rating, axial	C_{ax}	[kN]	183
Weight, incl. 12 kg for two hydraulic motors OMP (X)b 160		[kg]	107

* Optionally with brake

** See: Technical Information, section *Self-locking*

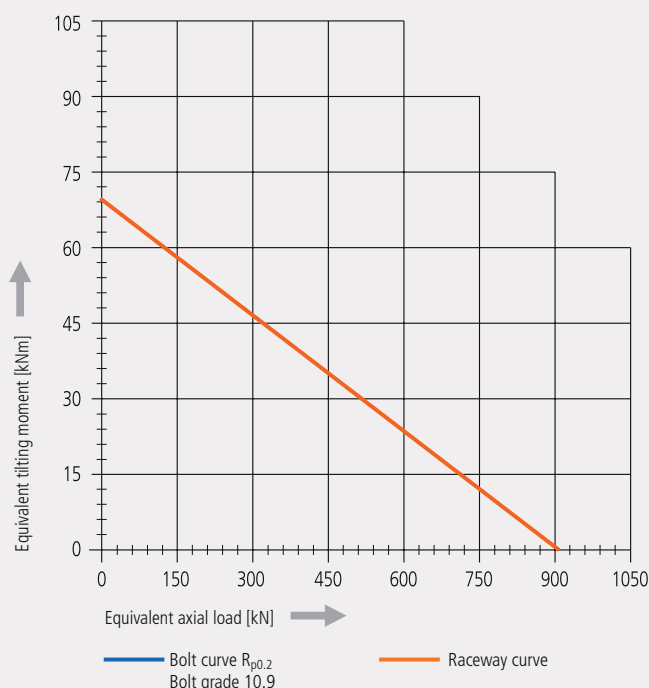
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with two hydraulic motors OMP (X) 160

Pressure differential	Δp	[bar]	140
Oil flow	Q	[l/min]	36
Output speed	n	[min ⁻¹]	1
Max. achievable torque	M_d	[Nm]	25810

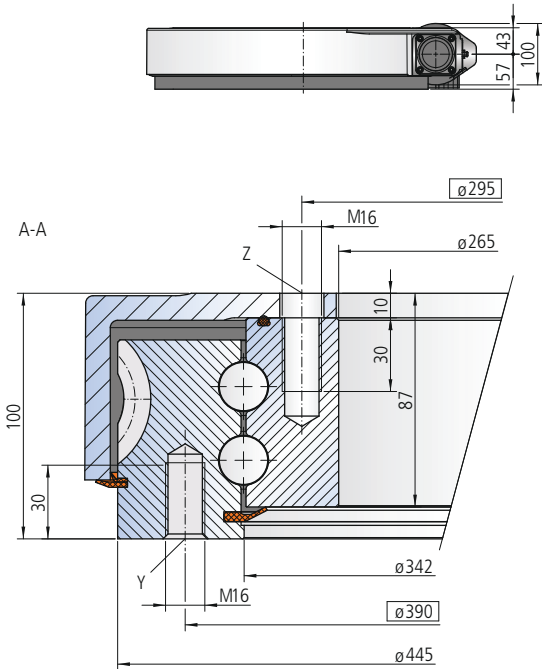
Limiting load diagram for compressive loads



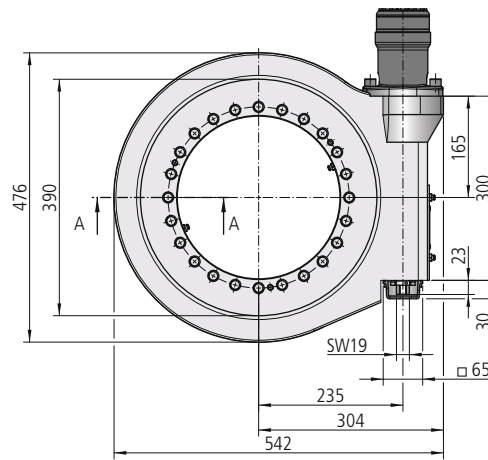
Please always observe the technical information!

WD-L series

Size WD-L 0343 / 2-row / 1 drive



The mounting structure must support the housing to at least $\varnothing 343$ and at most to $\varnothing 449$



Mounting holes

Y = 18 drill holes M16-30 deep, evenly distributed

Z = 24 drill holes $\varnothing 18-10$ deep / M16-30 deep, 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 WD-L 0343/3-12000			
Module	m	[mm]	5
Number of threads of the worm		[-]	1
Gear ratio	i	[-]	86
Self-locking gears			No**
Max. torque $s_f = 1$	M_{d max}	[Nm]	12905
Nom. torque $s_w = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	10150
Max. holding torque* $s_{f5} = 1$ (static)	M_{h max}	[Nm]	12905
Static load rating, radial	C_{o rad}	[kN]	564
Static load rating, axial	C_{o ax}	[kN]	1511
Dynamic load rating, radial	C_{rad}	[kN]	255
Dynamic load rating, axial	C_{ax}	[kN]	298
Weight, incl. 6 kg for hydraulic motor OMP (X) 160		[kg]	82

* Optionally with brake

** See: Technical Information, section *Self-locking*

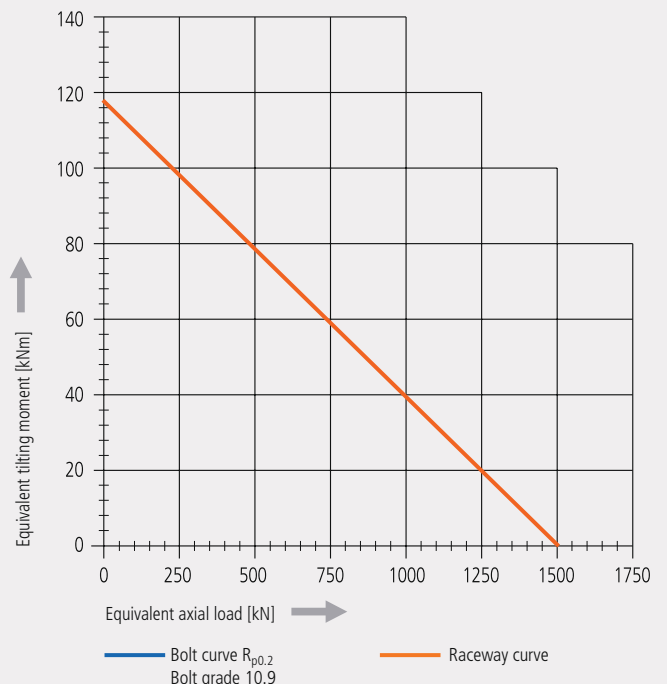
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with hydraulic motor OMP (X) 160

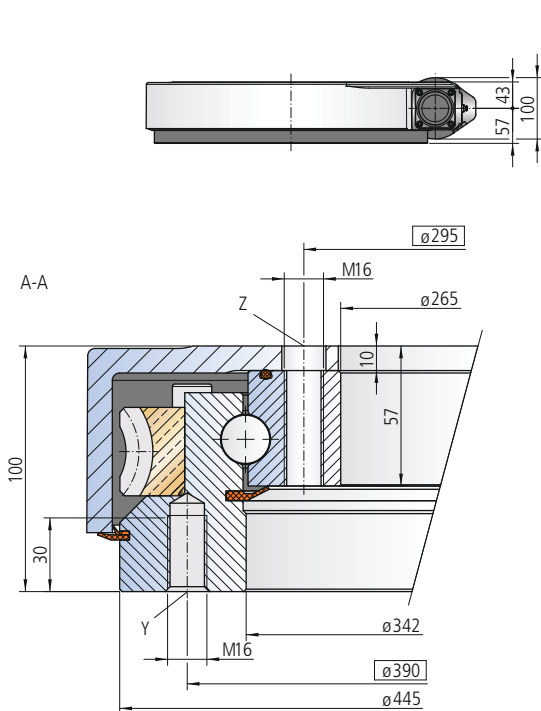
Pressure differential	Δp	[bar]	140
Oil flow	Q	[l/min]	18
Output speed	n	[min ⁻¹]	1
Max. achievable torque	M_d	[Nm]	12905

Limiting load diagram for compressive loads

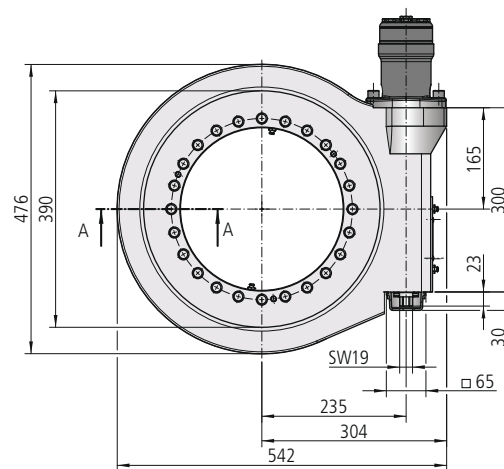


Please always observe the technical information!

Size WD-LC 0343 / 1-row / 1 drive - Bronze special design



The mounting structure must support the housing to at least $\varnothing 343$ and at most to $\varnothing 449$



Mounting holes

Y = 18 drill holes M16-30 deep, evenly distributed

Z = 24 drill holes $\varnothing 18-10$ deep / M16, evenly distributed

Lubricating ports

2 conical grease nipples on internal diameter

2 conical grease nipples on housing exterior

Slew drive supplied pre-lubricated

Drawing number WD-LC 0343/1-07860			
Module	m	[mm]	5
Number of threads of the worm		[-]	1
Gear ratio	i	[-]	86
Self-locking gears			No**
Max. torque $s_f = 1$	M_{d max}	[Nm]	5926
Nom. torque $s_w = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	5926
Max. holding torque* $s_{f5} = 1$ (static)	M_{h max}	[Nm]	5926
Static load rating, radial	C_{o rad}	[kN]	338
Static load rating, axial	C_{o ax}	[kN]	905
Dynamic load rating, radial	C_{rad}	[kN]	157
Dynamic load rating, axial	C_{ax}	[kN]	183
Weight, incl. 6 kg for hydraulic motor OMP (X) 160		[kg]	88

* Optionally with brake

** See: Technical Information, section *Self-locking*

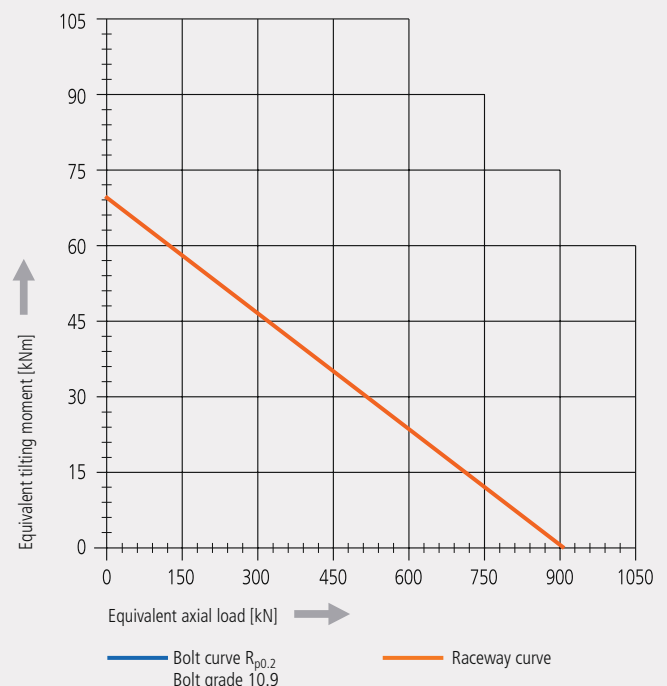
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with hydraulic motor OMP (X) 160

Pressure differential	Δp	[bar]	59
Oil flow	Q	[l/min]	14
Output speed	n	[min ⁻¹]	1
Max. achievable torque	M_d	[Nm]	5926

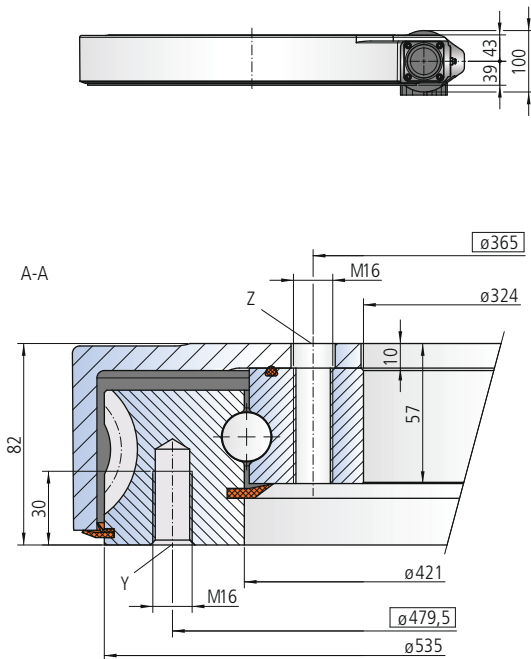
Limiting load diagram for compressive loads



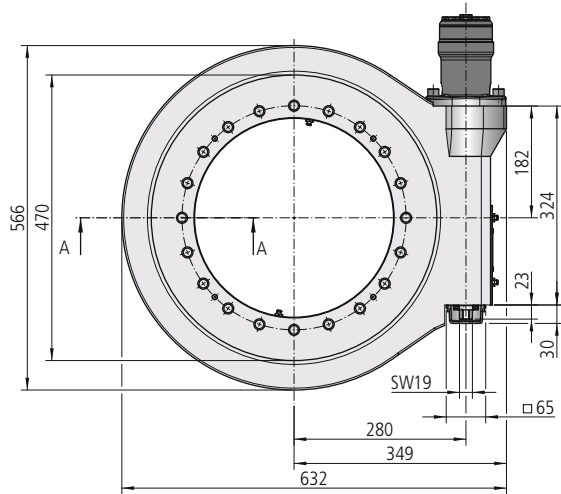
Please always observe the technical information!

WD-L series

Size WD-L 0419 / 1-row / 1 drive



The mounting structure must support the housing to at least $\varnothing 419$ and at most to $\varnothing 544$



Mounting holes

Y = 20 drill holes M16-30 deep, evenly distributed
Z = 20 drill holes $\varnothing 18$ -10 deep / M16, evenly distributed

Lubricating ports

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

Drawing number WD-L 0419/3-04553			
Module	m	[mm]	5
Number of threads of the worm		[-]	1
Gear ratio	i	[-]	104
Self-locking gears			No**
Max. torque $s_T = 1$	M_{d max}	[Nm]	15606
Nom. torque $s_W = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	15606
Max. holding torque* $s_{FS} = 1$ (static)	M_{h max}	[Nm]	15606
Static load rating, radial	C_{o rad}	[kN]	413
Static load rating, axial	C_{o ax}	[kN]	1107
Dynamic load rating, radial	C_{rad}	[kN]	170
Dynamic load rating, axial	C_{ax}	[kN]	198
Weight, incl. 6 kg for hydraulic motor OMP (X) 160		[kg]	92

* Optionally with brake

** See: Technical Information, section *Self-locking*

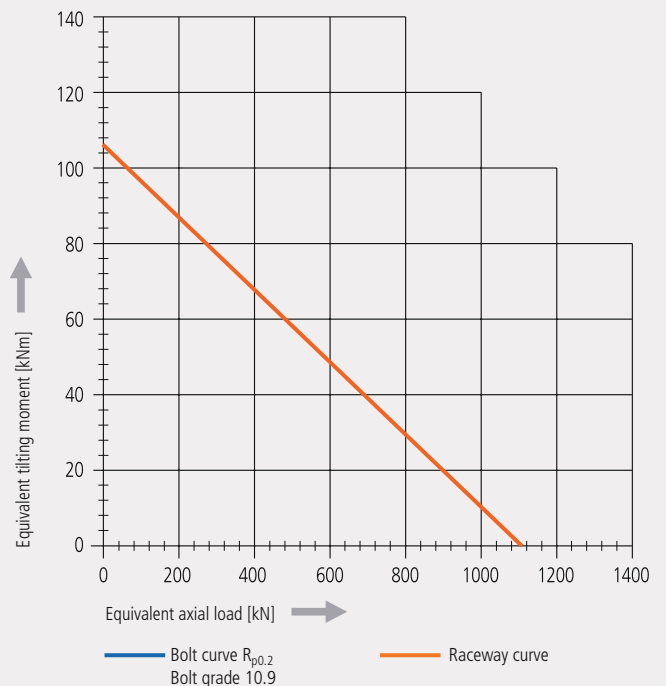
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with hydraulic motor OMP (X) 160

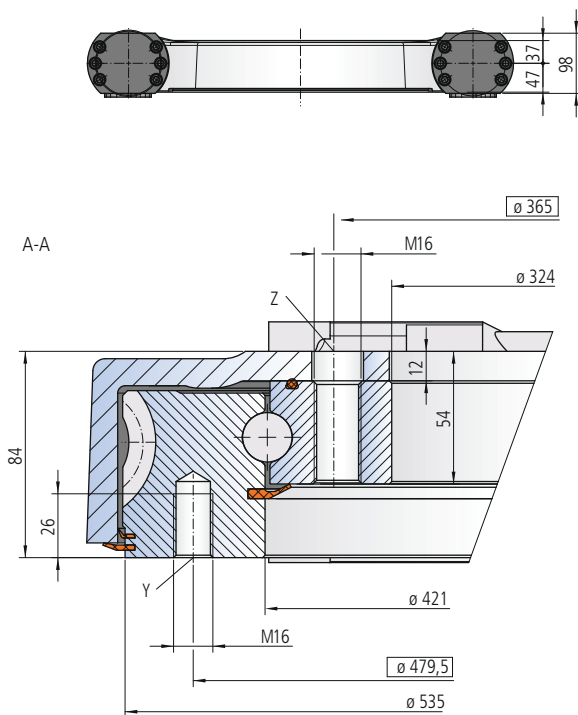
Pressure differential	Δp	[bar]	140
Oil flow	Q	[l/min]	20
Output speed	n	[min ⁻¹]	1
Max. achievable torque	M_d	[Nm]	15606

Limiting load diagram for compressive loads

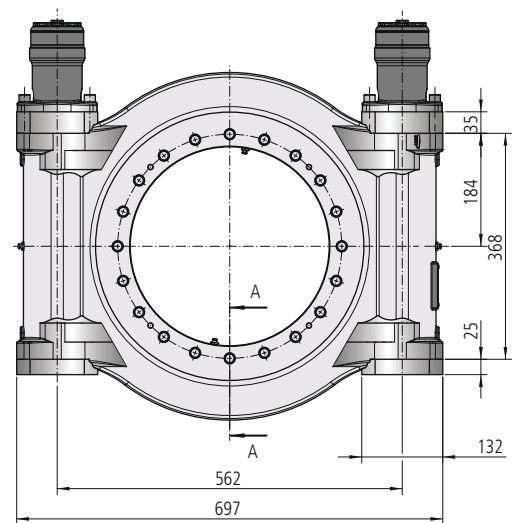


Please always observe the technical information!

Size WD-L 0419 / 1-row / 2 drives



The mounting structure must support the housing to at least $\varnothing 419$ and at most to $\varnothing 486$



Mounting holes

Y = 20 drill holes M16-30 deep, evenly distributed

Z = 20 drill holes $\varnothing 18-12$ deep / M16, evenly distributed

Lubricating ports

2 conical grease nipples on internal diameter

2 conical grease nipples on housing exterior

Slew drive supplied pre-lubricated

Drawing number WD-L 0419/3-10102

Module	m	[mm]	5
Number of threads of the worm		[-]	1
Gear ratio	i	[-]	104
Self-locking gears			No**
Max. torque $s_f = 1$	M_{d max}	[Nm]	31212
Nom. torque $s_w = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	31212
Max. holding torque* $s_{f5} = 1$ (static)	M_{h max}	[Nm]	44590
Static load rating, radial	C_{o rad}	[kN]	413
Static load rating, axial	C_{o ax}	[kN]	1107
Dynamic load rating, radial	C_{rad}	[kN]	170
Dynamic load rating, axial	C_{ax}	[kN]	198
Weight, incl. 12 kg for two hydraulic motors OMP (X) 160		[kg]	150

* Optionally with brake

** See: Technical Information, section *Self-locking*

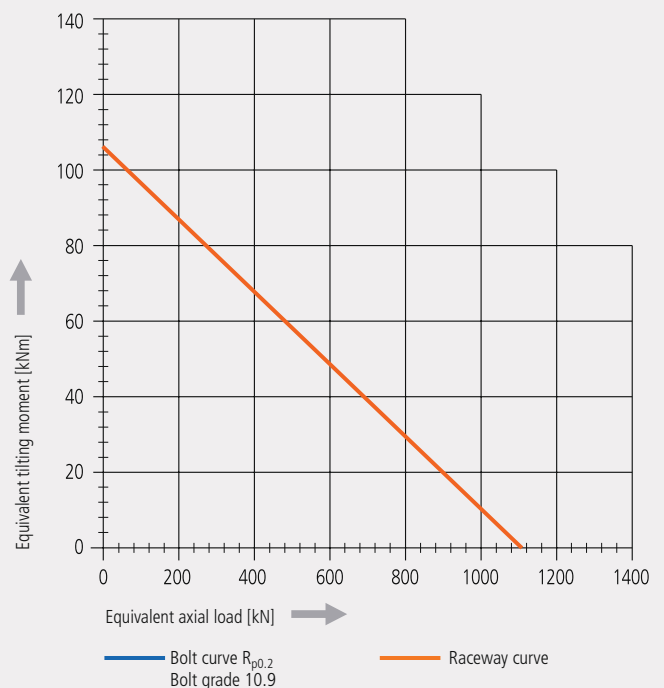
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with two hydraulic motors OMP (X) 160

Pressure differential	Δp	[bar]	140
Oil flow	Q	[l/min]	40
Output speed	n	[min ⁻¹]	1
Max. achievable torque	M_d	[Nm]	31212

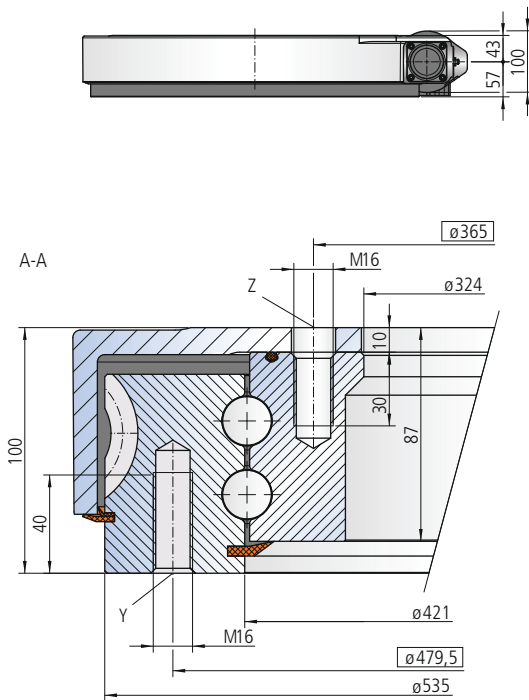
Limiting load diagram for compressive loads



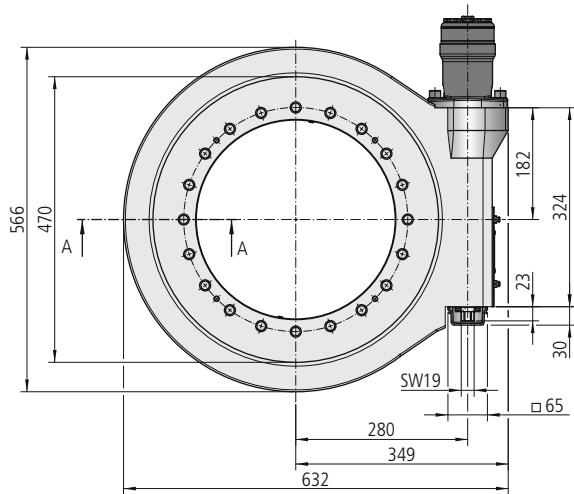
Please always observe the technical information!

WD-L series

Size WD-L 0419 / 2-row / 1 drive



The mounting structure must support the housing to at least $\varnothing 419$ and at most to $\varnothing 544$



Mounting holes

Y = 20 drill holes M16-40 deep, evenly distributed

Z = 20 drill holes $\varnothing 18$ -10 deep / M16-30 deep, 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 WD-L 0419/3-04684

Module	m	[mm]	5
Number of threads of the worm		[-]	1
Gear ratio	i	[-]	104
Self-locking gears			No**
Max. torque $s_f = 1$	M_{d max}	[Nm]	15606
Nom. torque $s_w = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	15606
Max. holding torque* $s_{fs} = 1$ (static)	M_{h max}	[Nm]	15606
Static load rating, radial	C_{o rad}	[kN]	691
Static load rating, axial	C_{o ax}	[kN]	1849
Dynamic load rating, radial	C_{rad}	[kN]	277
Dynamic load rating, axial	C_{ax}	[kN]	323
Weight, incl. 6 kg for hydraulic motor OMP (X) 160		[kg]	112

* Optionally with brake

** See: Technical Information, section *Self-locking*

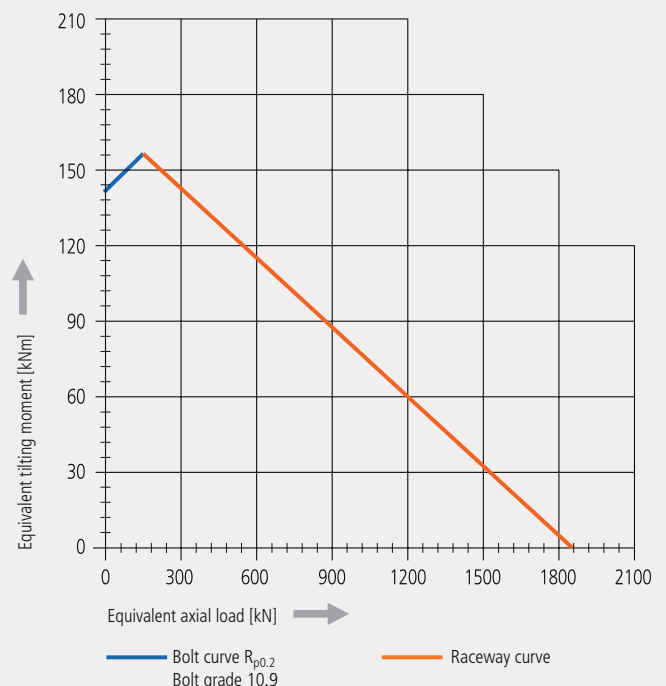
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with hydraulic motor OMP (X) 160

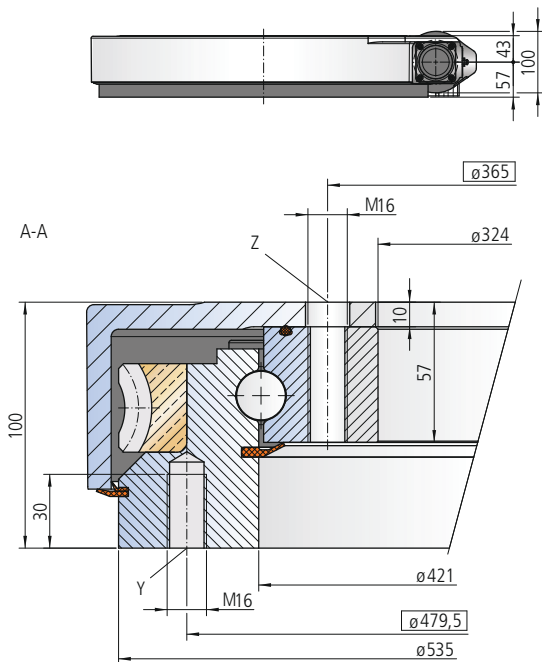
Pressure differential	Δp	[bar]	140
Oil flow	Q	[l/min]	20
Output speed	n	[min ⁻¹]	1
Max. achievable torque	M_d	[Nm]	15606

Limiting load diagram for compressive loads

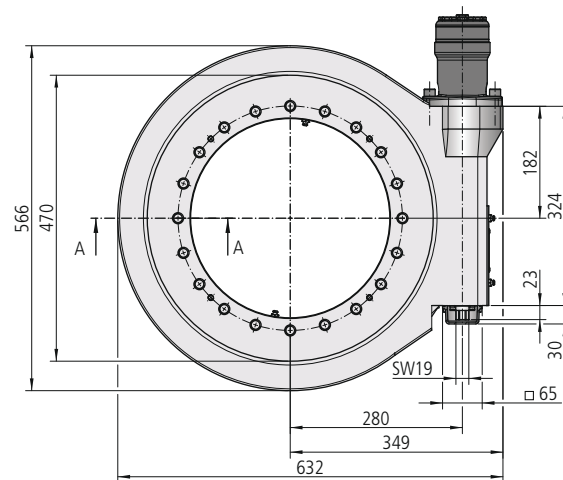


Please always observe the technical information!

Size WD-LC 0419 / 1-row / 1 drive - Bronze special design



The mounting structure must support the housing to at least $\phi 419$ and at most to $\phi 544$



Mounting holes

Y = 20 drill holes M16-30 deep, evenly distributed

Z = 20 drill holes $\phi 18$ -10 deep / M16, evenly distributed

Lubricating ports

2 conical grease nipples on internal diameter

2 conical grease nipples on housing exterior

Slew drive supplied pre-lubricated

Drawing number WD-LC 0419/1-07861			
Module	m	[mm]	5
Number of threads of the worm		[-]	1
Gear ratio	i	[-]	104
Self-locking gears			No**
Max. torque $S_f = 1$	M_{d max}	[Nm]	7166
Nom. torque $S_W = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	7166
Max. holding torque* $S_{f5} = 1$ (static)	M_{h max}	[Nm]	7166
Static load rating, radial	C_{o rad}	[kN]	413
Static load rating, axial	C_{o ax}	[kN]	1107
Dynamic load rating, radial	C_{rad}	[kN]	170
Dynamic load rating, axial	C_{ax}	[kN]	198
Weight, incl. 6 kg for hydraulic motor OMP (X) 160		[kg]	103

* Optionally with brake

** See: Technical Information, section *Self-locking*

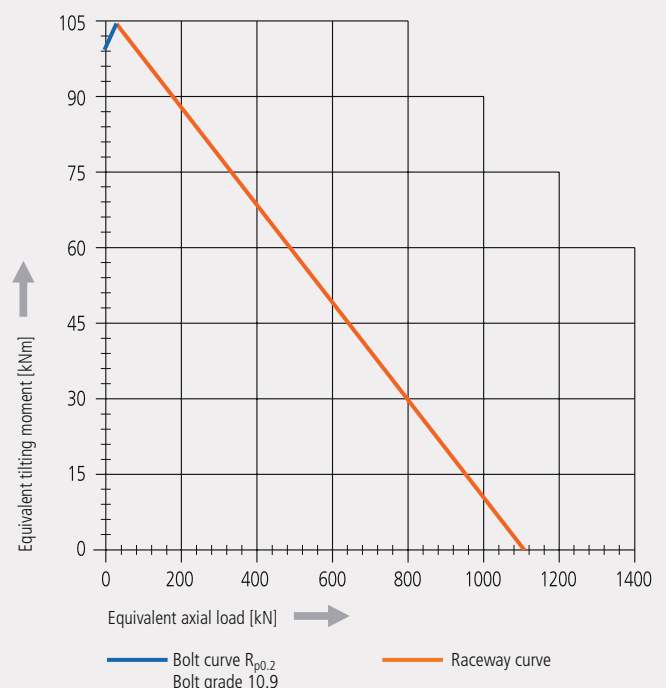
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with hydraulic motor OMP (X) 160

Pressure differential	Δp	[bar]	59
Oil flow	Q	[l/min]	17
Output speed	n	[min ⁻¹]	1
Max. achievable torque	M_d	[Nm]	7166

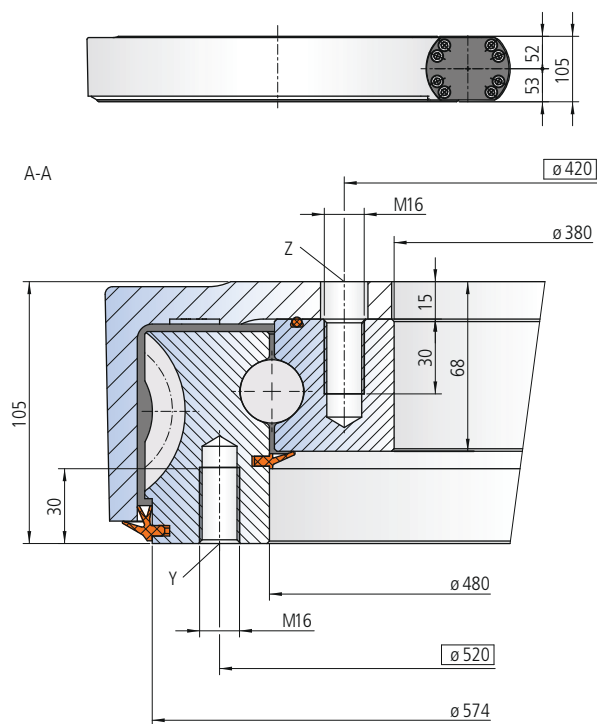
Limiting load diagram for compressive loads



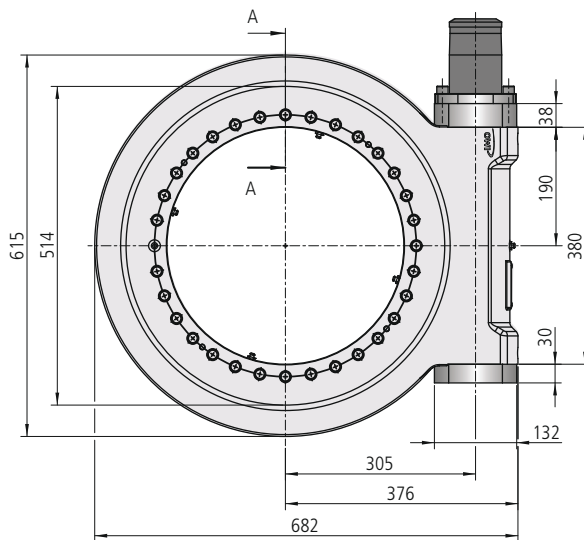
Please always observe the technical information!

WD-L series

Size WD-L 0478 / 1-row / 1 drive



The mounting structure must support the housing to at least $\varnothing 478$



Mounting holes

Y = 32 drill holes M16-30 deep, evenly distributed

Z = 31 drill holes $\varnothing 19$ -15 deep / M16-30 deep, evenly spaced over 32 pitch

Lubricating ports

4 conical grease nipples on internal diameter

1 conical grease nipple on housing exterior

Slew drive supplied pre-lubricated

Drawing number WD-L 0478/3-10090				
Drawing number WD-L 0478/3-04904				
Module	m	[mm]	6	6
Number of threads of the worm		[-]	1	2
Gear ratio	i	[-]	93	47
Self-locking gears			No**	No**
Max. torque $s_f = 1$	M_{d max}	[Nm]	24288	24288
Nom. torque $s_W = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	24288	24288
Max. holding torque* $s_{FS} = 1$ (static)	M_{h max}	[Nm]	34263	34263
Static load rating, radial	C_{o rad}	[kN]	675	675
Static load rating, axial	C_{o ax}	[kN]	1808	1808
Dynamic load rating, radial	C_{rad}	[kN]	251	251
Dynamic load rating, axial	C_{ax}	[kN]	293	293
Weight, incl. 12 kg for hydraulic motor RE 300		[kg]	139	139

* Optionally with brake

** See: Technical Information, section *Self-locking*

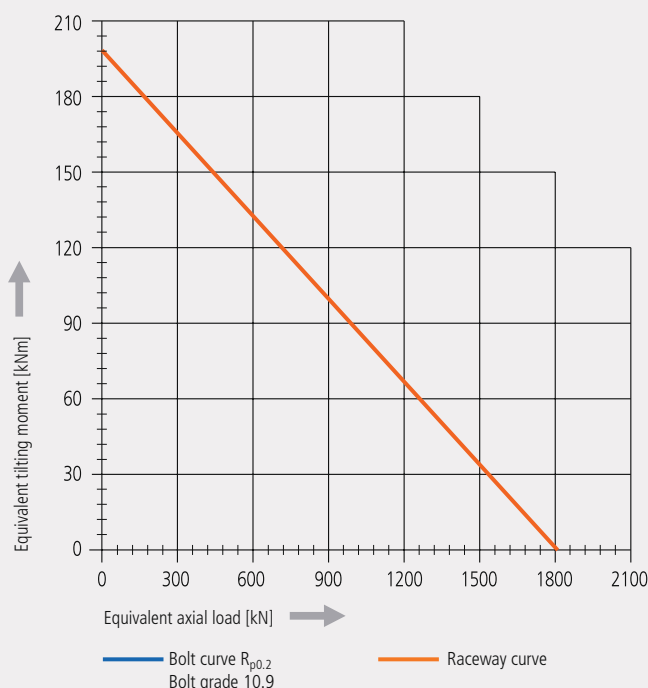
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with hydraulic motor RE 300

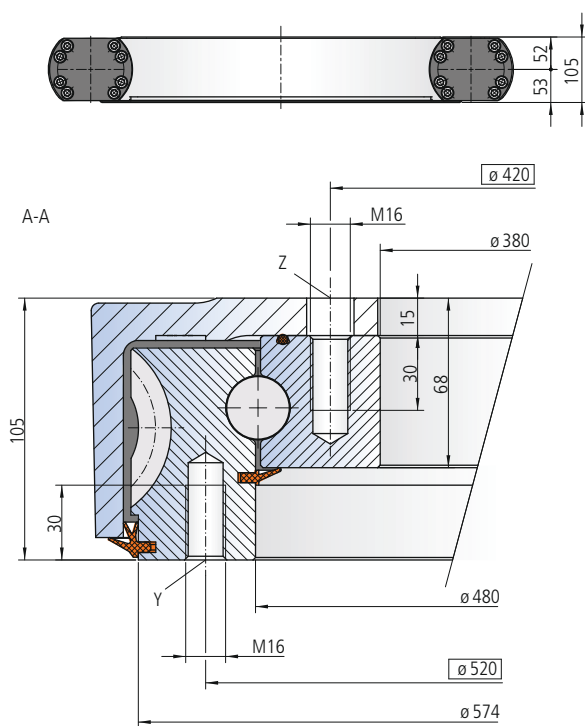
Pressure differential	Δp	[bar]	120	200
Oil flow	Q	[l/min]	33	22
Output speed	n	[min ⁻¹]	1	1
Max. achievable torque	M_d	[Nm]	24288	24288

Limiting load diagram for compressive loads

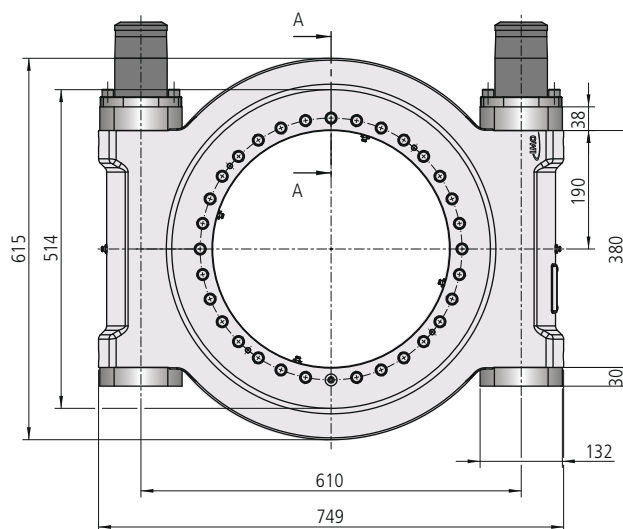


Please always observe the technical information!

Size WD-L 0478 / 1-row / 2 drives



The mounting structure must support the housing to at least $\phi 478$



Mounting holes

Y = 32 drill holes M16-30 deep, evenly distributed

Z = 31 drill holes $\phi 19-15$ deep / M16-30 deep, evenly spaced over 32 pitch

Lubricating ports

4 conical grease nipples on internal diameter

2 conical grease nipples on housing exterior

Slew drive supplied pre-lubricated

Drawing number WD-L 0478/3-12520

Drawing number WD-L 0478/3-12316

Module	m	[mm]	6	6
Number of threads of the worm		[-]	1	2
Gear ratio	i	[-]	93	47
Self-locking gears			No**	No**
Max. torque $S_T = 1$	M_{d max}	[Nm]	48576	48576
Nom. torque $S_W = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	48576	48576
Max. holding torque* $S_{FS} = 1$ (static)	M_{h max}	[Nm]	68526	68526
Static load rating, radial	C_{o rad}	[kN]	675	675
Static load rating, axial	C_{o ax}	[kN]	1808	1808
Dynamic load rating, radial	C_{rad}	[kN]	251	251
Dynamic load rating, axial	C_{ax}	[kN]	293	293
Weight, incl. 24 kg for two hydraulic motors RE 300		[kg]	184	184

* Optionally with brake

** See: Technical Information, section *Self-locking*

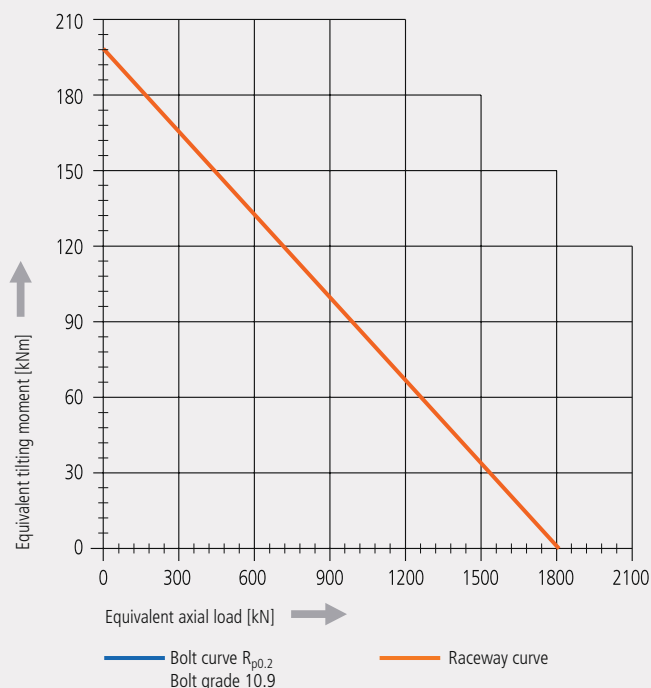
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with two hydraulic motors RE300

Pressure differential	Δp	[bar]	120	200
Oil flow	Q	[l/min]	66	44
Output speed	n	[min ⁻¹]	1	1
Max. achievable torque	M_d	[Nm]	48576	48576

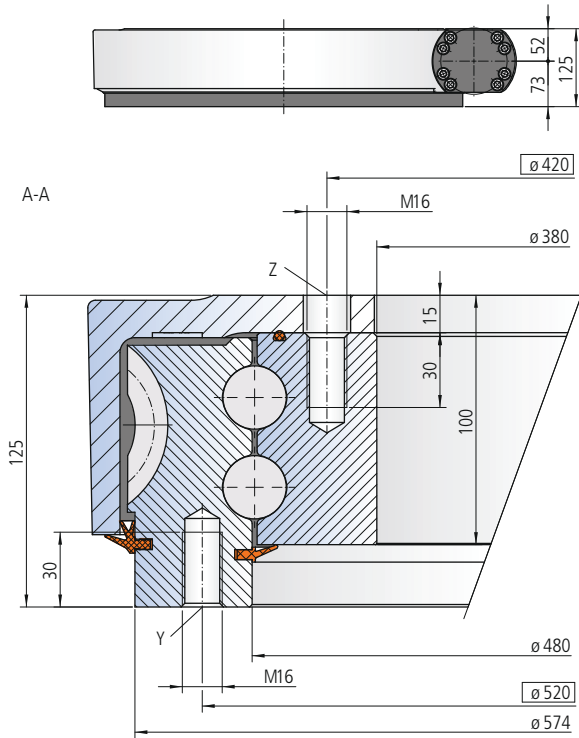
Limiting load diagram for compressive loads



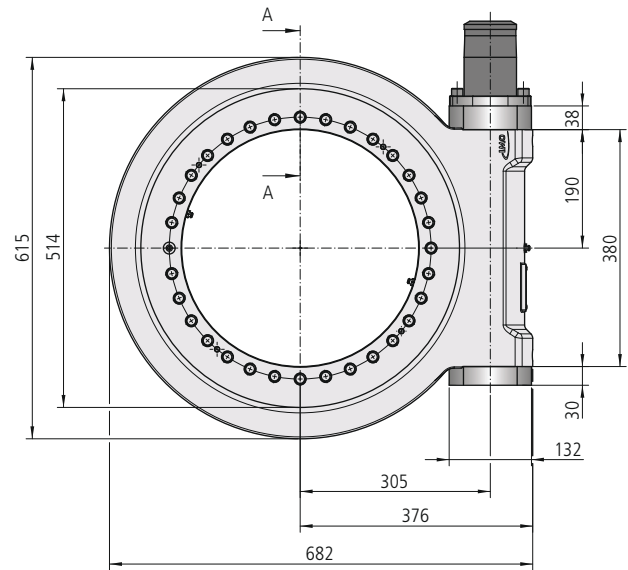
Please always observe the technical information!

WD-L series

Size WD-L 0478 / 2-row / 1 drive



The mounting structure must support the housing to at least $\varnothing 478$



Mounting holes

Y = 32 drill holes M16-28 deep, evenly distributed

Z = 31 drill holes $\varnothing 19$ -15 deep / M16-30 deep, evenly spaced over 32 pitch

Lubricating drill holes

4 conical grease nipples on internal diameter

1 conical grease nipple on housing exterior

Slew drive supplied pre-lubricated

Drawing number WD-L 0478/3-12521				
Drawing number WD-L 0478/3-12317				
Module	m	[mm]	6	6
Number of threads of the worm		[-]	1	2
Gear ratio	i	[-]	93	47
Self-locking gears			No**	No**
Max. torque $s_T = 1$	M_{d max}	[Nm]	24288	24288
Nom. torque $s_W = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	24288	24288
Max. holding torque* $s_{FS} = 1$ (static)	M_{h max}	[Nm]	34263	34263
Static load rating, radial	C_{o rad}	[kN]	1298	1298
Static load rating, axial	C_{o ax}	[kN]	3474	3474
Dynamic load rating, radial	C_{rad}	[kN]	460	460
Dynamic load rating, axial	C_{ax}	[kN]	536	536
Weight, incl. 12 kg for hydraulic motor RE 300		[kg]	179	179

* Optionally with brake

** See: Technical Information, section *Self-locking*

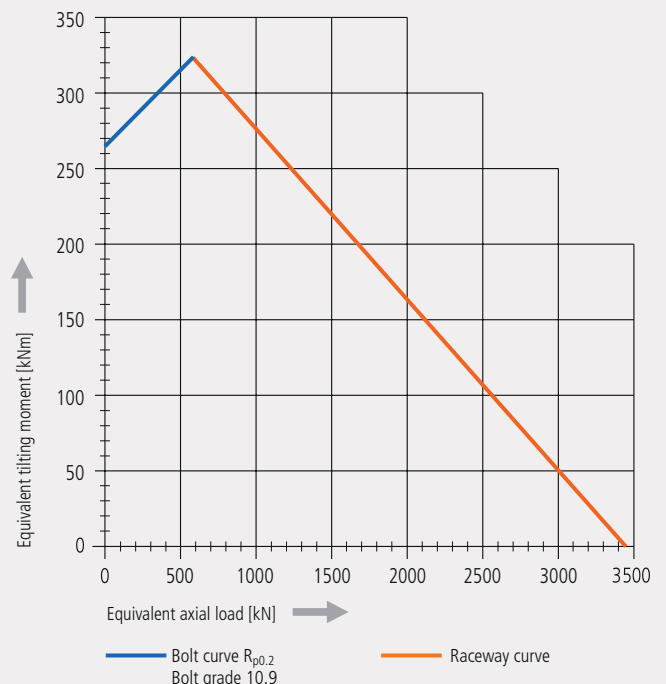
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with hydraulic motor RE300

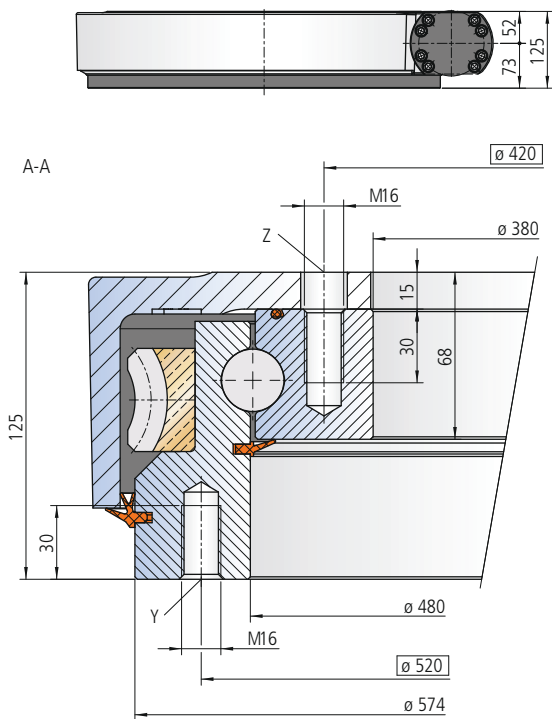
Pressure differential	Δp	[bar]	120	200
Oil flow	Q	[l/min]	33	22
Output speed	n	[min ⁻¹]	1	1
Max. achievable torque	M_d	[Nm]	24288	24288

Limiting load diagram for compressive loads

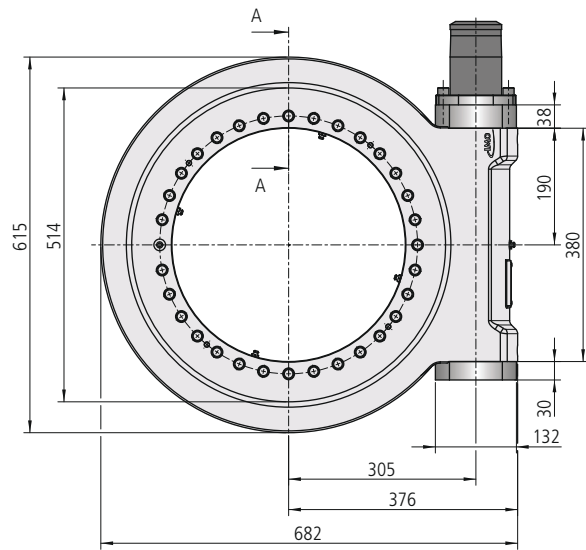


Please always observe the technical information!

Size WD-LC 0478 / 1-row / 1 drive - Bronze special design



The mounting structure must support the housing to at least $\varnothing 478$



Mounting holes

Y = 32 drill holes M16-30 deep, evenly distributed

Z = 31 drill holes $\varnothing 19$ -15 deep / M16-30 deep, evenly spaced over 32 pitch

Lubricating ports

4 conical grease nipples on internal diameter

1 conical grease nipple on housing exterior

Slew drive supplied pre-lubricated

Drawing number WD-LC 0478/1-12522

Drawing number WD-LC 0478/1-12355

Module	m	[mm]	6	6
Number of threads of the worm		[-]	1	2
Gear ratio	i	[-]	93	47
Self-locking gears			No**	No**
Max. torque $s_f = 1$	$M_{d \max}$	[Nm]	11013	11013
Nom. torque $s_W = 1$ at $n = 1 \text{ min}^{-1}$	$M_{d \text{ nom}}$	[Nm]	11013	11013
Max. holding torque* $s_{FS} = 1$ (static)	$M_h \max$	[Nm]	11013	11013
Static load rating, radial	$C_{o \text{ rad}}$	[kN]	675	675
Static load rating, axial	$C_{o \text{ ax}}$	[kN]	1808	1808
Dynamic load rating, radial	C_{rad}	[kN]	251	251
Dynamic load rating, axial	C_{ax}	[kN]	293	293
Weight, incl. 6 kg for OMP (X) 160 / 11 kg for RE 160		[kg]	170	175

* Optionally with brake

** See: Technical Information, section *Self-locking*

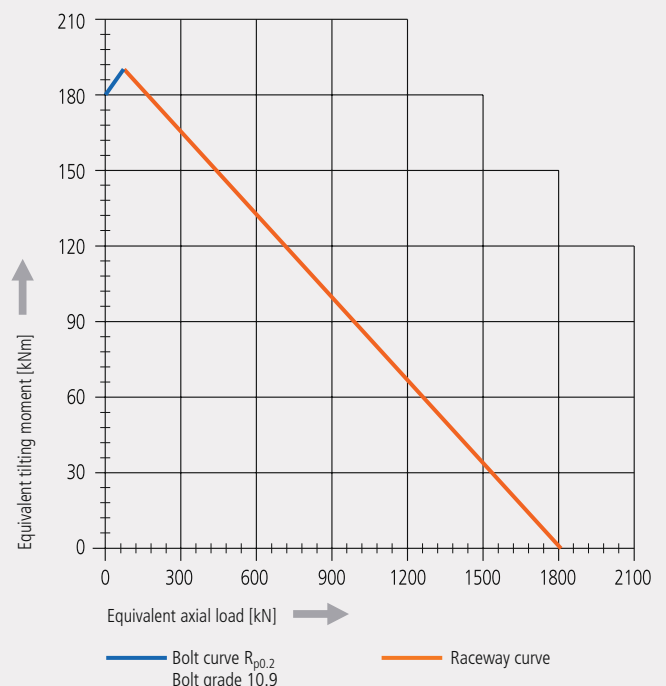
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with hydraulic motor

			OMP (X) 160	RE160
Pressure differential	Δp	[bar]	99	138
Oil flow	Q	[l/min]	17	10
Output speed	n	[min ⁻¹]	1	1
Max. achievable torque	M_d	[Nm]	11013	11013

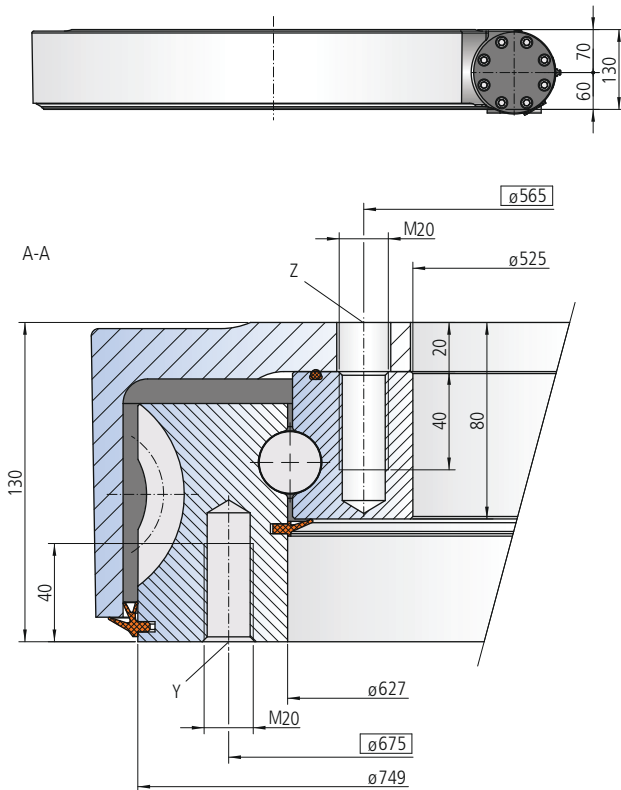
Limiting load diagram for compressive loads



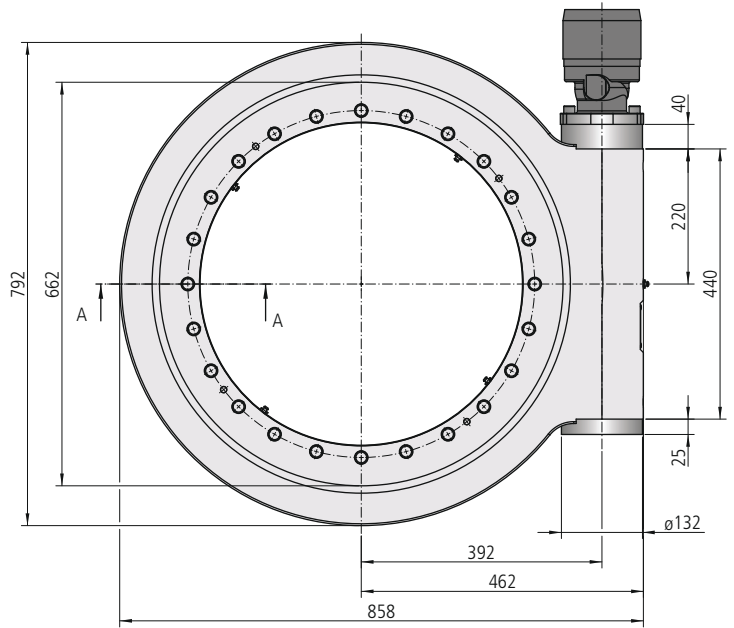
Please always observe the technical information!

WD-L series

Size WD-L 0625 / 1-row / 1 drive



The mounting structure must support the housing to at least ø625



Mounting holes

Y = 24 drill holes M20-40 deep, evenly distributed

Z = 24 drill holes ø22-20 deep / M20-40 deep, evenly distributed

Lubricating ports

4 conical grease nipples on internal diameter

1 conical grease nipple on housing exterior

Slew drive supplied pre-lubricated

Drawing number WD-L 0625/3-09738				
Drawing number WD-L 0625/3-06290				
Module	m	[mm]	7	7
Number of threads of the worm		[-]	1	2
Gear ratio	i	[-]	104	51.5
Self-locking gears			No**	No**
Max. torque $s_f = 1$	M_{d max}	[Nm]	42824	42824
Nom. torque $s_w = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	42824	42824
Max. holding torque* $s_{f5} = 1$ (static)	M_{h max}	[Nm]	61177	61177
Static load rating, radial	C_{o rad}	[kN]	883	883
Static load rating, axial	C_{o ax}	[kN]	2364	2364
Dynamic load rating, radial	C_{rad}	[kN]	280	280
Dynamic load rating, axial	C_{ax}	[kN]	327	327
Weight, incl. 13 kg for RE470 / 24 kg for DT750		[kg]	235	246

* Optionally with brake

** See: Technical Information, section *Self-locking*

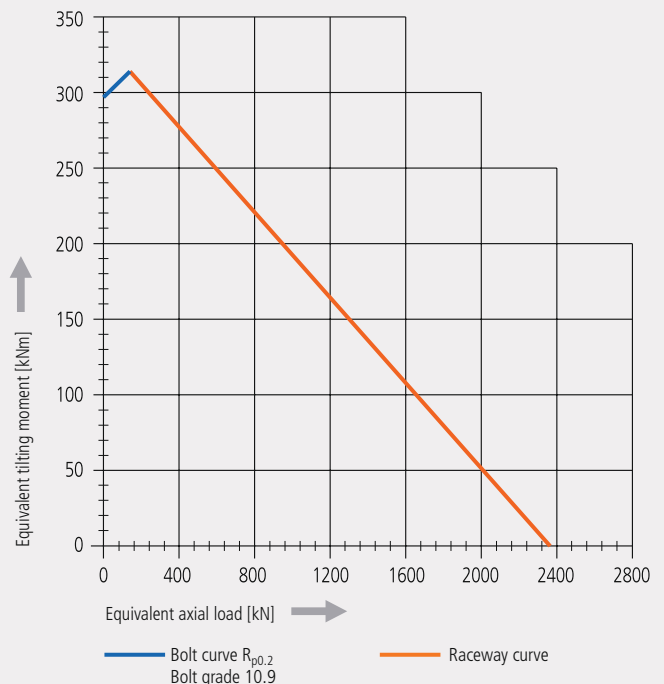
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with hydraulic motor

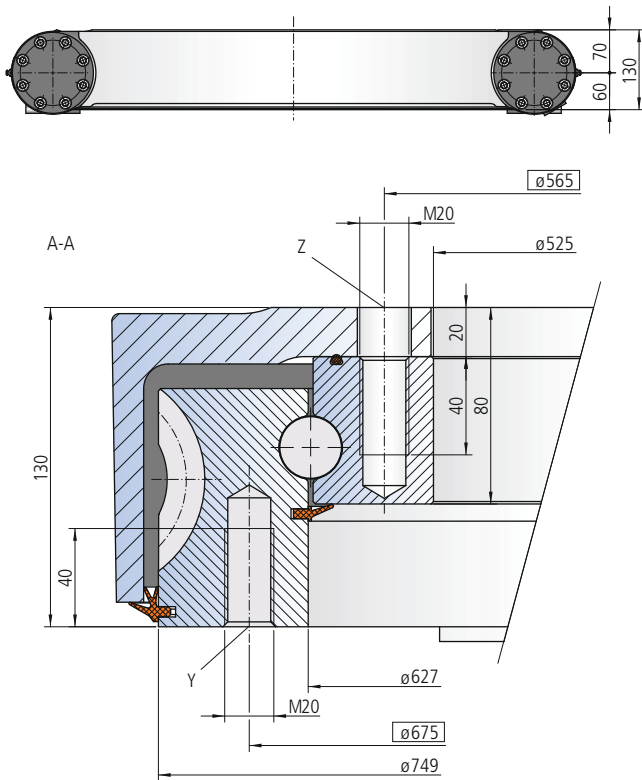
			RE470	DT750
Pressure differential	Δp	[bar]	138	128
Oil flow	Q	[l/min]	51	46
Output speed	n	[min ⁻¹]	1	1
Max. achievable torque	M_d	[Nm]	42824	42824

Limiting load diagram for compressive loads

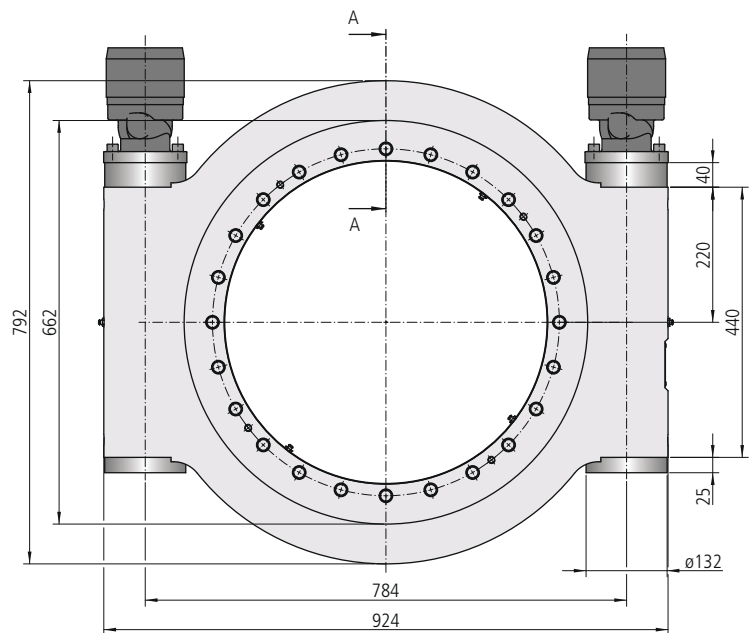


Please always observe the technical information!

Size WD-L 0625 / 1-row / 2 drives



The mounting structure must support the housing to at least $\phi 625$



Mounting holes

Y = 24 drill holes M20-40 deep, evenly distributed

Z = 24 drill holes $\phi 22$ -20 deep / M20-40 deep, 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 WD-L 0625/3-12523				
Drawing number WD-L 0625/3-12003				
Module	m	[mm]	7	7
Number of threads of the worm		[-]	1	2
Gear ratio	i	[-]	104	51.5
Self-locking gears			No**	No**
Max. torque $s_f = 1$	M_{d max}	[Nm]	85648	85648
Nom. torque $s_w = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	85648	85648
Max. holding torque* $s_{fs} = 1$ (static)	M_{h max}	[Nm]	122354	122354
Static load rating, radial	C_{o rad}	[kN]	883	883
Static load rating, axial	C_{o ax}	[kN]	2364	2364
Dynamic load rating, radial	C_{rad}	[kN]	280	280
Dynamic load rating, axial	C_{ax}	[kN]	327	327
Weight, incl. 26 kg for RE470 / 48 kg for 2x DT750		[kg]	291	313

* Optionally with brake

** See: Technical Information, section *Self-locking*

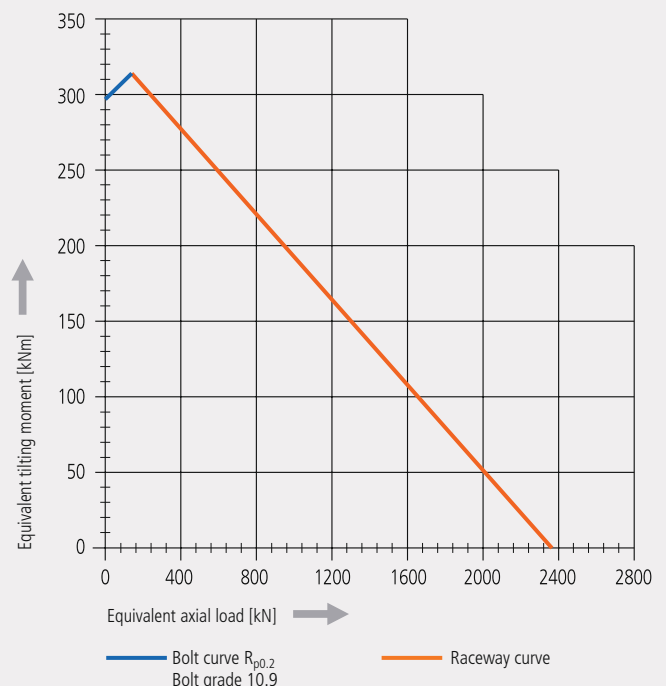
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with two hydraulic motors

			RE470	DT750
Pressure differential	Δp	[bar]	138	128
Oil flow	Q	[l/min]	102	92
Output speed	n	[min ⁻¹]	1	1
Max. achievable torque	M_d	[Nm]	85648	85648

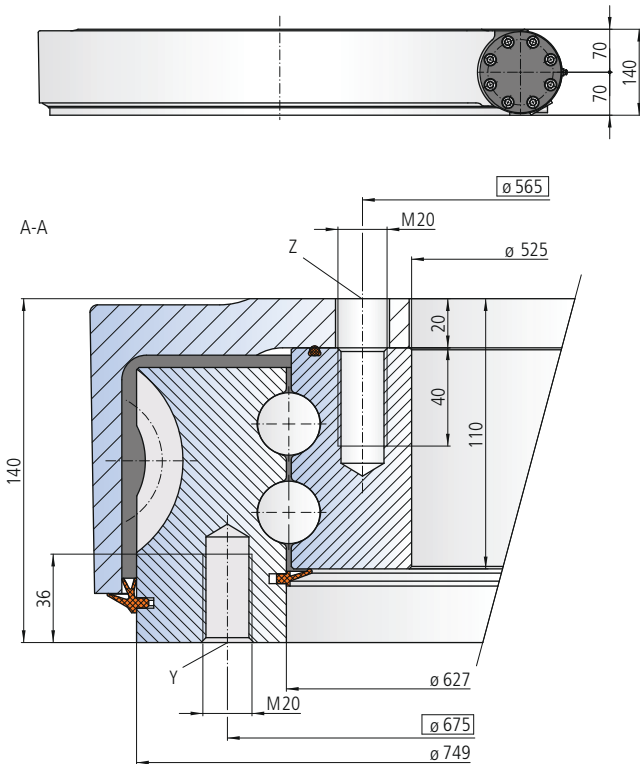
Limiting load diagram for compressive loads



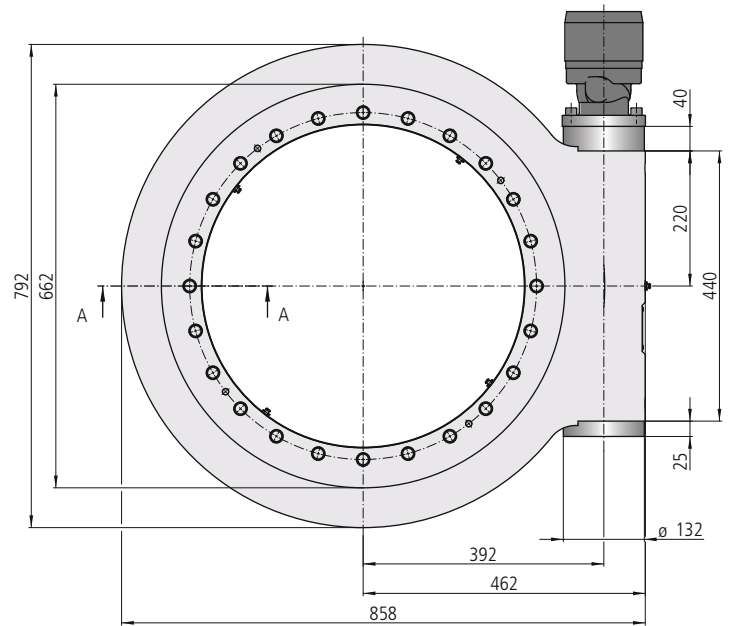
Please always observe the technical information!

WD-L series

Size WD-L 0625 / 2-row / 1 drive



The mounting structure must support the housing to at least ø625



Mounting holes

Y = 24 drill holes M20-36 deep, evenly distributed

Z = 24 drill holes ø22-20 deep / M20-40 deep, evenly distributed

Lubricating ports

8 conical grease nipples on internal diameter

1 conical grease nipple on housing exterior

Slew drive supplied pre-lubricated

Drawing number WD-L 0625/3-12524				
Drawing number WD-L 0625/3-12004				
Module	m	[mm]	7	7
Number of threads of the worm		[-]	1	2
Gear ratio	i	[-]	104	51.5
Self-locking gears			No**	No**
Max. torque $s_f = 1$	M_{d max}	[Nm]	42824	42824
Nom. torque $s_w = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	42824	42824
Max. holding torque* $s_{f5} = 1$ (static)	M_{h max}	[Nm]	61177	61177
Static load rating, radial	C_{o rad}	[kN]	1697	1697
Static load rating, axial	C_{o ax}	[kN]	4543	4543
Dynamic load rating, radial	C_{rad}	[kN]	512	512
Dynamic load rating, axial	C_{ax}	[kN]	598	598
Weight, incl. 13 kg for RE470 / 24 kg for DT750		[kg]	281	292

* Optionally with brake

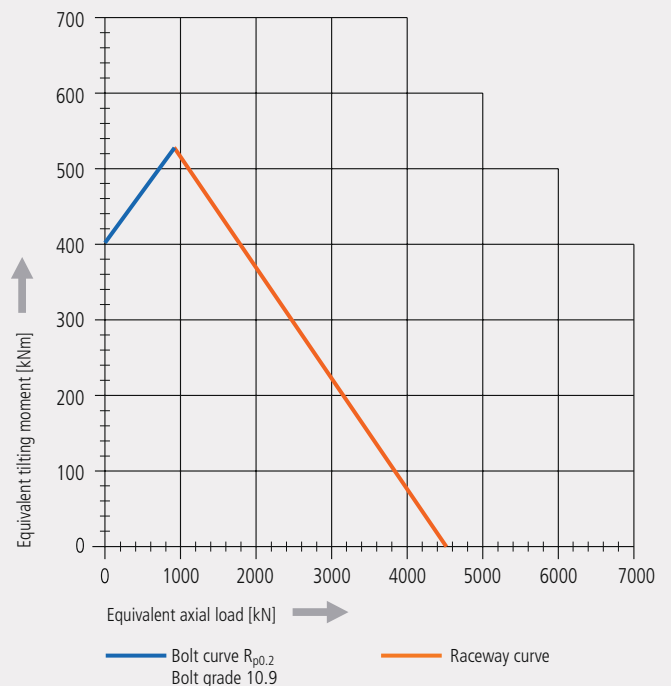
** See: Technical Information, section *Self-locking*

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

Selection example:

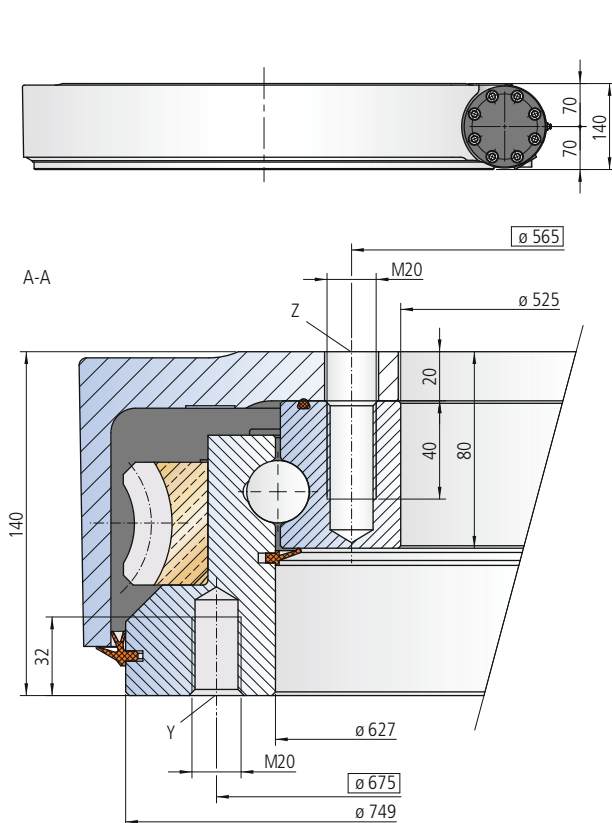
Performance data with hydraulic motor			RE470	DT750
Pressure differential	Δp	[bar]	138	128
Oil flow	Q	[l/min]	51	46
Output speed	n	[min ⁻¹]	1	1
Max. achievable torque	M_d	[Nm]	42824	42824

Limiting load diagram for compressive loads

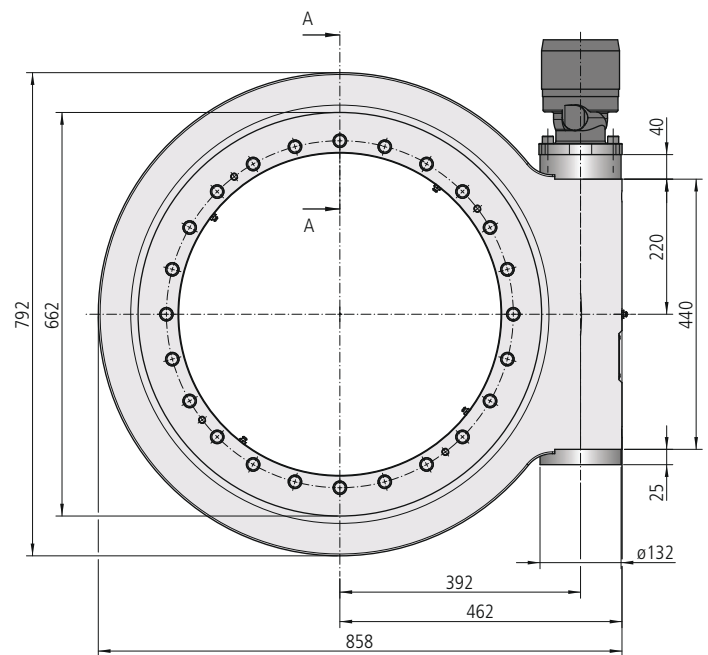


Please always observe the technical information!

Size WD-LC 0625 / 1-row / 1 drive - Bronze special design



The mounting structure must support the housing to at least $\phi 625$



Mounting holes

Y = 24 drill holes M20-32 deep, evenly distributed

Z = 24 drill holes $\phi 22$ -20 deep / M20-40 deep, evenly distributed

Lubricating ports

4 conical grease nipples on internal diameter

1 conical grease nipple on housing exterior

Slew drive supplied pre-lubricated

Drawing number WD-LC 0625/1-12525				
Drawing number WD-LC 0625/1-12356				
Module	m	[mm]	7	7
Number of threads of the worm		[-]	1	2
Gear ratio	i	[-]	104	51.5
Self-locking gears			No**	No**
Max. torque $s_f = 1$	M_{d max}	[Nm]	19664	19664
Nom. torque $s_w = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	19664	19664
Max. holding torque* $s_{f5} = 1$ (static)	M_{h max}	[Nm]	19664	19664
Static load rating, radial	C_{o rad}	[kN]	883	883
Static load rating, axial	C_{o ax}	[kN]	2364	2364
Dynamic load rating, radial	C_{rad}	[kN]	280	280
Dynamic load rating, axial	C_{ax}	[kN]	327	327
Weight, incl. 11 kg for RE160 / 12 kg for RE260		[kg]	253	254

* Optionally with brake

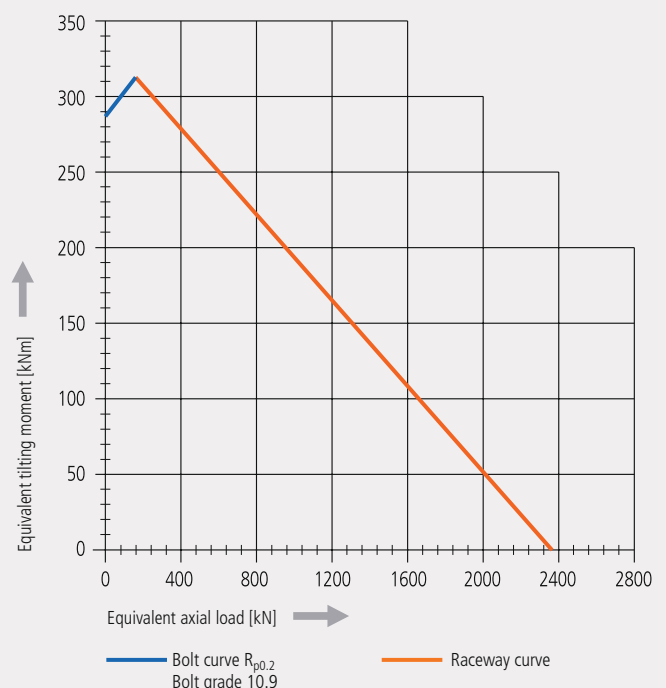
** See: Technical Information, section *Self-locking*

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

Selection example:

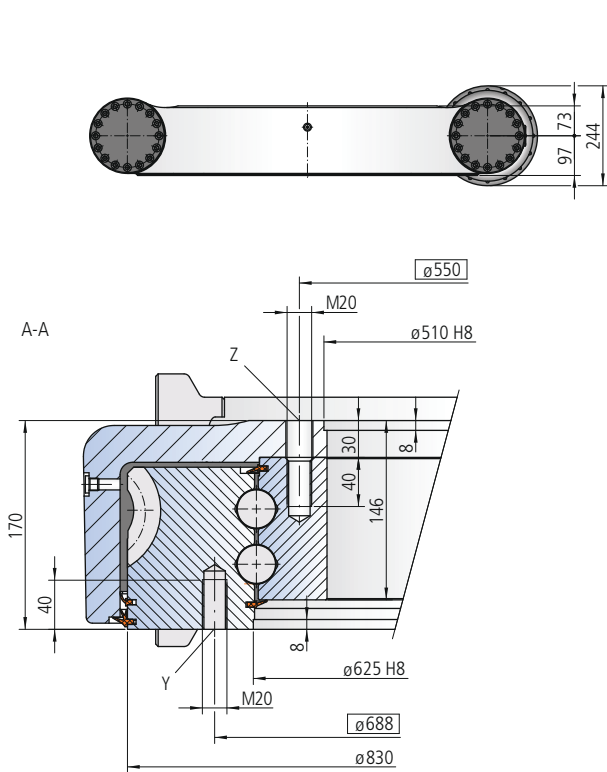
Performance data with hydraulic motor			RE160	RE260
Pressure differential	Δp	[bar]	137	163
Oil flow	Q	[l/min]	20	17
Output speed	n	[min ⁻¹]	1	1
Max. achievable torque	M_d	[Nm]	19664	19664

Limiting load diagram for compressive loads

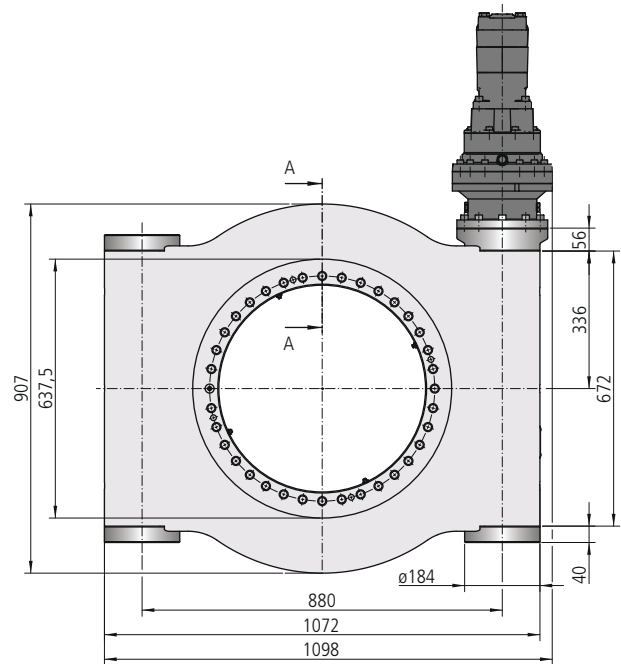


Please always observe the technical information!

Size WD-L 0620 / 2-row / 1 drive



The mounting structure must support the housing to at least $\phi 620$ and at most to $\phi 700$



Mounting holes

Y = 40 drill holes M20-40 deep, evenly distributed

Z = 35 drill holes $\phi 22$ -30 deep / M20-40 deep, evenly spaced over 36 pitch

Lubricating ports

8 conical grease nipples on internal diameter

4 conical grease nipples on housing exterior

Slew drive supplied pre-lubricated

Drawing number WD-L 0620/3-11541

Drawing number WD-L 0620/3-11539

Module	m	[mm]	10	10
Number of threads of the worm		[-]	1	2
Gear ratio	i	[-]	80	40
Overall gear ratio incl. gear box	i_{tot}	[-]	340	170
Self-locking gears			No**	No**
Max. torque $S_f = 1$	M_{d max}	[Nm]	137200	137200
Nom. torque $S_w = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	137200	137200
Max. holding torque* $S_{f5} = 1$ (static)	M_{h max}	[Nm]	137200	137200
Static load rating, radial	C_{o rad}	[kN]	2116	2116
Static load rating, axial	C_{o ax}	[kN]	5664	5664
Dynamic load rating, radial	C_{rad}	[kN]	753	753
Dynamic load rating, axial	C_{ax}	[kN]	878	878
Weight, incl. 22 kg for OMT315 / 24 kg for OMT500		[kg]	740	742

* Optionally with brake

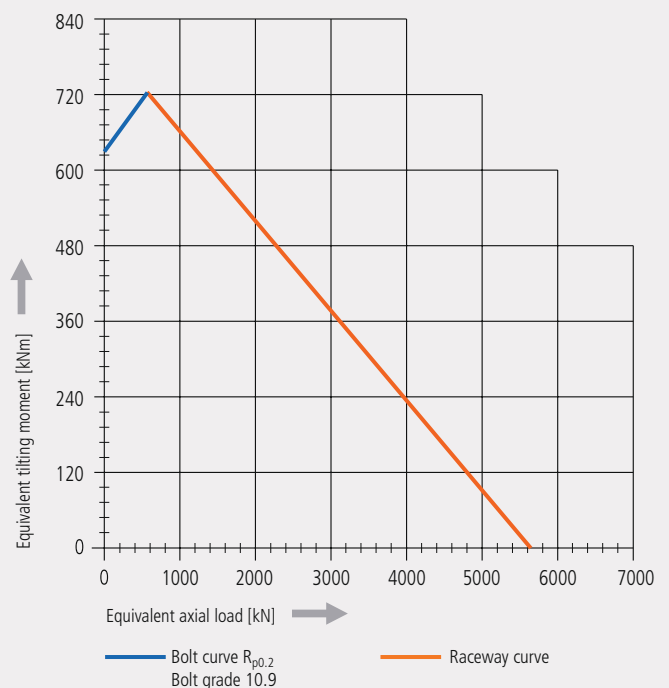
** See: Technical Information, section *Self-locking*

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

Selection example: Performance data with gear box 305 and hydraulic motor

			OMT315	OMT500
Pressure differential	Δp	[bar]	175	165
Oil flow	Q	[l/min]	115	98
Output speed	n	[min ⁻¹]	1	1
Max. achievable torque	M_d	[Nm]	137200	137200

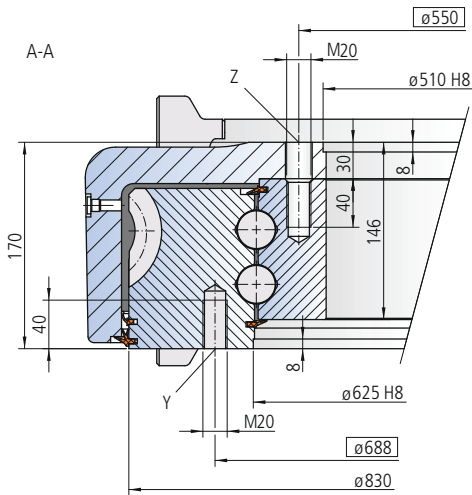
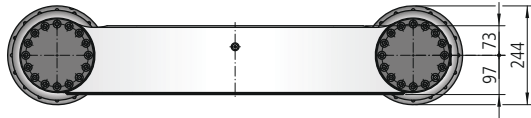
Limiting load diagram for compressive loads



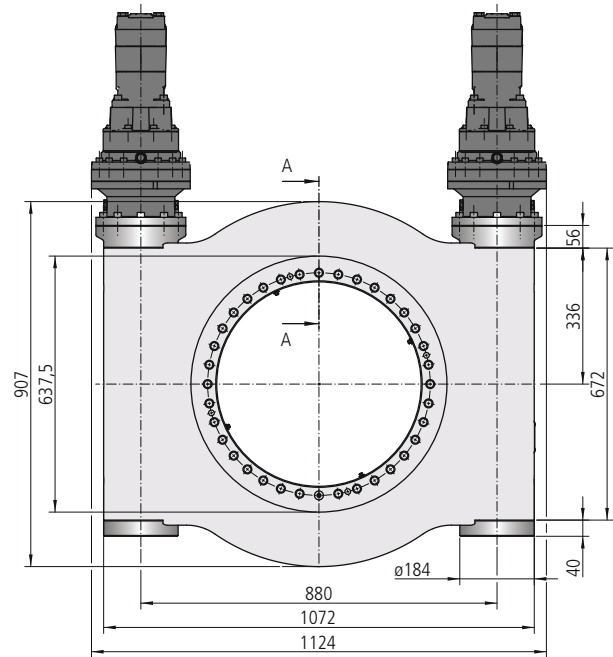
Please always observe the technical information!

Please note: This slew drive is only available after prior technical design by IMO Application Engineering department.

Size WD-L 0620 / 2-row / 2 drives



The mounting structure must support the housing to at least $\phi 620$ and at most to $\phi 700$



Mounting holes

Y = 40 drill holes M20-40 deep, evenly distributed

Z = 35 drill holes $\phi 22$ -30 deep / M20-40 deep, evenly spaced over 36 pitch

Lubricating ports

8 conical grease nipples on internal diameter

2 conical grease nipples on housing exterior

Slew drive supplied pre-lubricated

Drawing number WD-L 0620/3-10983				
Drawing number WD-L 0620/3-11540				
Module	m	[mm]	10	10
Number of threads of the worm		[-]	1	2
Gear ratio	i	[-]	80	40
Overall gear ratio incl. gear box	i_{tot}	[-]	340	170
Self-locking gears			No**	No**
Max. torque $S_f = 1$	M_{d max}	[Nm]	274400	274400
Nom. torque $S_w = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	274400	274400
Max. holding torque* $S_{f5} = 1$ (static)	M_{h max}	[Nm]	274400	274400
Static load rating, radial	C_{o rad}	[kN]	2116	2116
Static load rating, axial	C_{o ax}	[kN]	5664	5664
Dynamic load rating, radial	C_{rad}	[kN]	753	753
Dynamic load rating, axial	C_{ax}	[kN]	878	878
Weight, incl. 44kg for 2x OMT315 / 48 kg for 2x OMT500		[kg]	860	864

* Optionally with brake

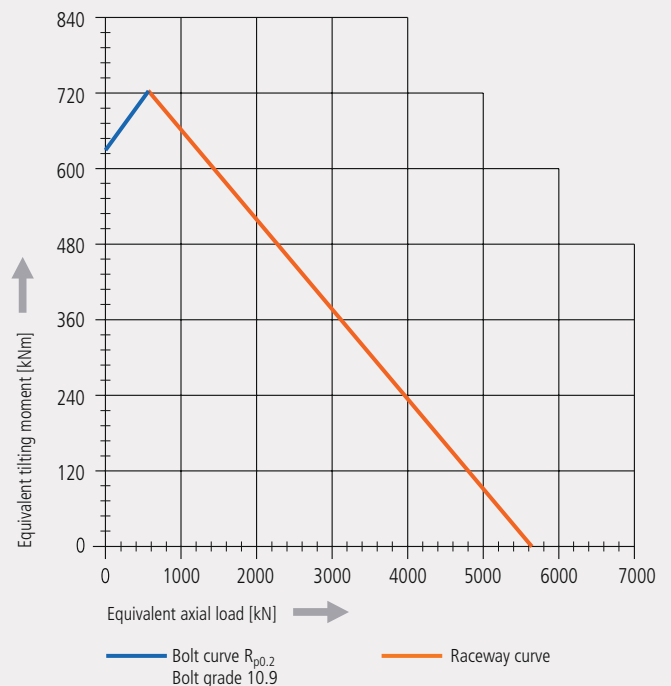
** See: Technical Information, section *Self-locking*

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

Selection example: Performance data with gear box 305 and two hydraulic motors

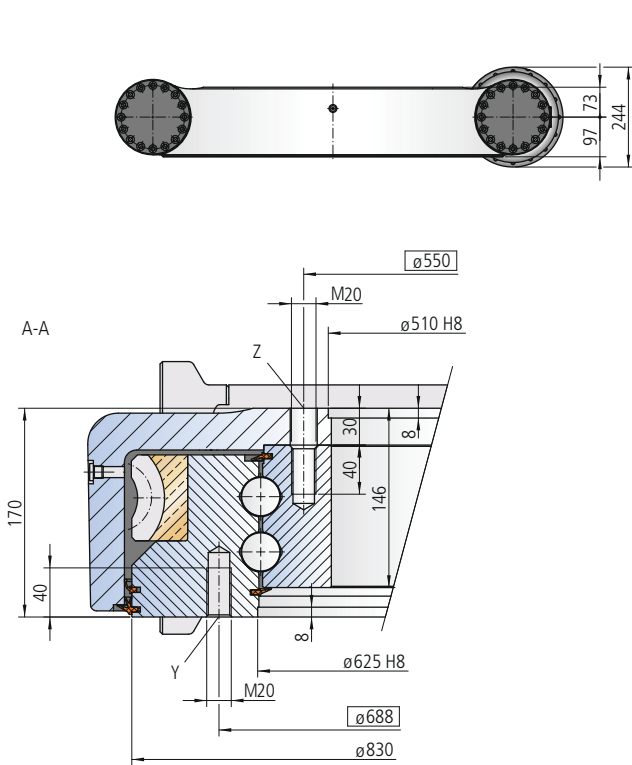
			OMT315	OMT500
Pressure differential	Δp	[bar]	175	165
Oil flow	Q	[l/min]	230	196
Output speed	n	[min ⁻¹]	1	1
Max. achievable torque	M_d	[Nm]	274400	274400

Limiting load diagram for compressive loads

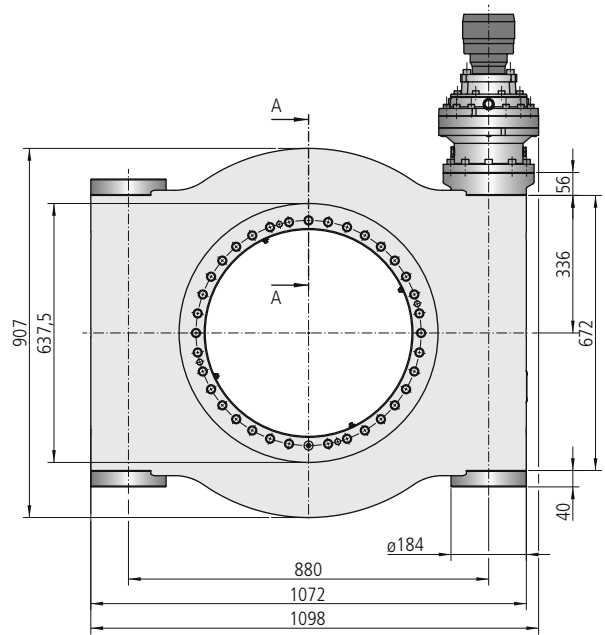


Please always observe the technical information!

Size WD-LC 0620 / 2-row / 1 drive - Bronze special design



The mounting structure must support the housing to at least $\phi 620$ and at most to $\phi 700$



Mounting holes

Y = 40 drill holes M20-40 deep, evenly distributed

Z = 35 drill holes $\phi 22$ -30 deep / M20-40 deep, evenly spaced over 36 pitch

Lubricating ports

8 conical grease nipples on internal diameter

4 conical grease nipples on housing exterior

Slew drive supplied pre-lubricated

Drawing number WD-LC 0620/1-11822				
Drawing number WD-LC 0620/1-11820				
Module	m	[mm]	10	10
Number of threads of the worm		[-]	1	2
Gear ratio	i	[-]	80	40
Overall gear ratio incl. gear box	i_{tot}	[-]	340	170
Self-locking gears			No**	No**
Max. torque $S_f = 1$	M_{d max}	[Nm]	63000	63000
Nom. torque $S_w = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	63000	63000
Max. holding torque* $S_{f5} = 1$ (static)	M_{h max}	[Nm]	63000	63000
Static load rating, radial	C_{o rad}	[kN]	2116	2116
Static load rating, axial	C_{o ax}	[kN]	5664	5664
Dynamic load rating, radial	C_{rad}	[kN]	753	753
Dynamic load rating, axial	C_{ax}	[kN]	878	878
Weight, incl. 11 kg for hydraulic motor RE200		[kg]	728	728

* Optionally with brake

** See: Technical Information, section *Self-locking*

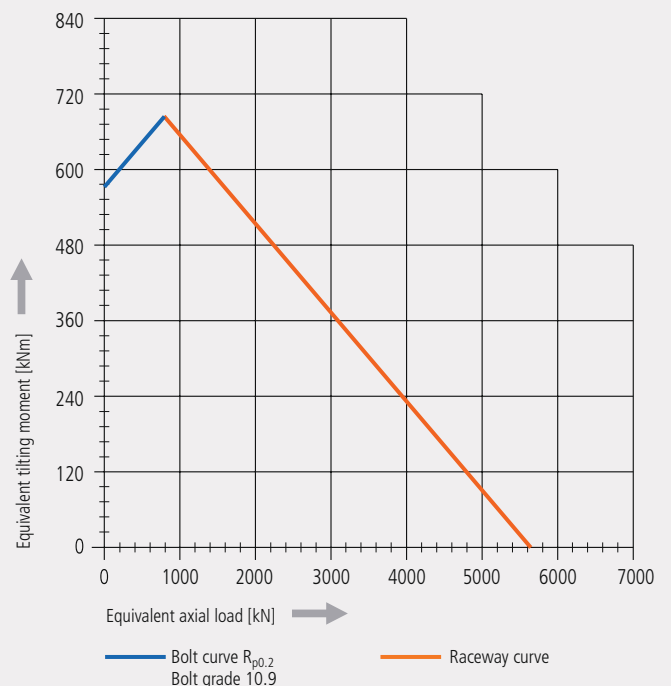
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with gear box 303 and hydraulic motor RE200

Pressure differential	Δp	[bar]	141	202
Oil flow	Q	[l/min]	71	38
Output speed	n	[min ⁻¹]	1	1
Max. achievable torque	M_d	[Nm]	63000	63000

Limiting load diagram for compressive loads

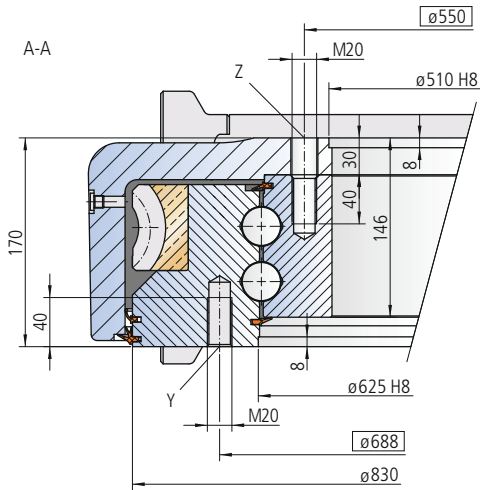
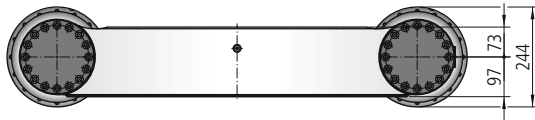


Please always observe the technical information!

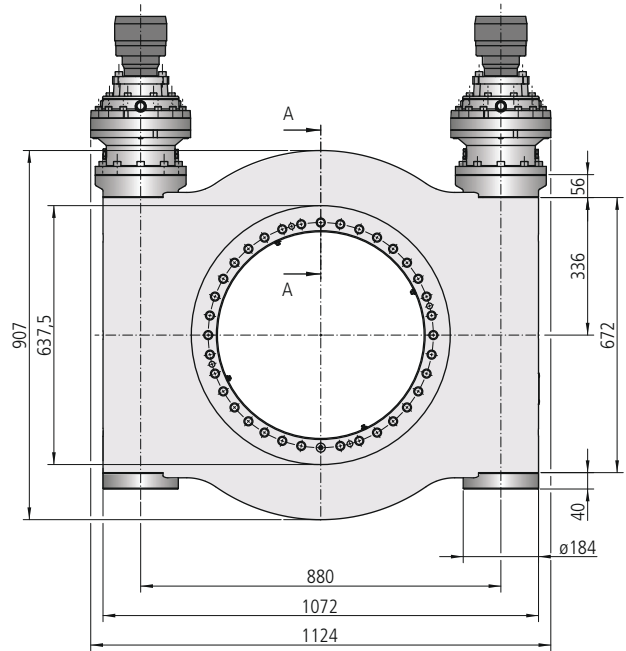
Please note: This slew drive is only available after prior technical design by IMO Application Engineering department.



Size WD-LC 0620 / 2-row / 2 drives - Bronze special design



The mounting structure must support the housing to at least $\phi 620$ and at most to $\phi 700$



Mounting holes

Y = 40 drill holes M20-40 deep, evenly distributed

Z = 35 drill holes $\phi 22-30$ deep / M20-40 deep, evenly spaced over 36 pitch

Lubricating ports

8 conical grease nipples on internal diameter

2 conical grease nipples on housing exterior

Slew drive supplied pre-lubricated

Drawing number WD-LC 0620/1-11823				
Drawing number WD-LC 0620/1-11821				
Module	m	[mm]	10	10
Number of threads of the worm		[-]	1	2
Gear ratio	i	[-]	80	40
Overall gear ratio incl. gear box	i_{tot}	[-]	340	170
Self-locking gears			No**	No**
Max. torque $S_f = 1$	M_{d max}	[Nm]	126000	126000
Nom. torque $S_w = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	126000	126000
Max. holding torque* $S_{f5} = 1$ (static)	M_{h max}	[Nm]	126000	126000
Static load rating, radial	C_{o rad}	[kN]	2116	2116
Static load rating, axial	C_{o ax}	[kN]	5664	5664
Dynamic load rating, radial	C_{rad}	[kN]	753	753
Dynamic load rating, axial	C_{ax}	[kN]	878	878
Weight, incl. 22 kg for 2 hydraulic motors RE200		[kg]	835	835

* Optionally with brake

** See: Technical Information, section *Self-locking*

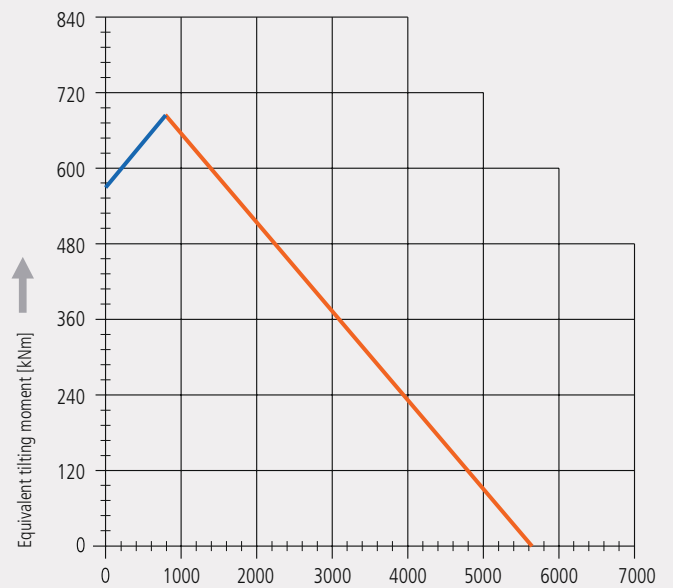
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with gear box 303 and two hydraulic motors RE200

Pressure differential	Δp	[bar]	141	202
Oil flow	Q	[l/min]	142	76
Output speed	n	[min ⁻¹]	1	1
Max. achievable torque	M_d	[Nm]	126000	126000

Limiting load diagram for compressive loads



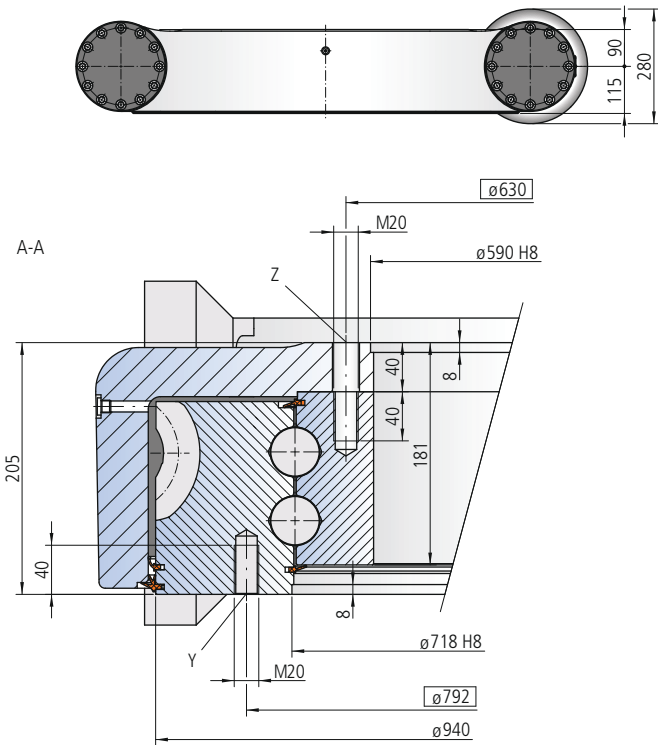
— Bolt curve $R_{p0.2}$ Bolt grade 10.9
— Raceway curve

Please always observe the technical information!

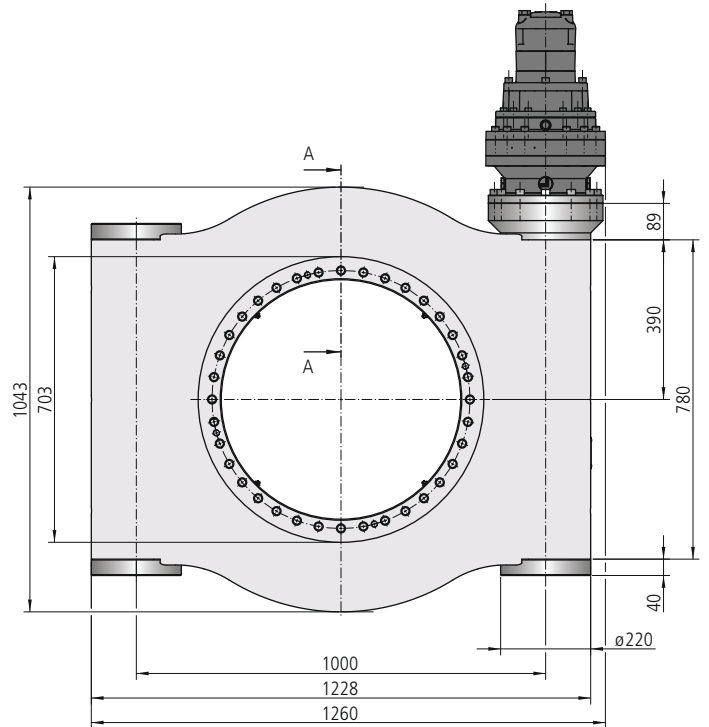
WD-L series

Please note: This slew drive is only available after prior technical design by IMO Application Engineering department.

Size WD-L 0713 / 2-row / 1 drive



The mounting structure must support the housing to at least $\phi 713$ and at most to $\phi 760$



Mounting holes

Y = 48 drill holes M20-40 deep, evenly distributed
Z = 36 drill holes $\phi 22$ -40 deep / M20-40 deep, evenly distributed

Lubricating ports

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

Drawing number WD-L 0713/3-11826

Drawing number WD-L 0713/3-11824

Module	m	[mm]	12	12
Number of threads of the worm		[-]	1	2
Gear ratio	i	[-]	75	37.5
Overall gear ratio incl. gear box	i_{tot}	[-]	270	200
Self-locking gears			No**	No**
Max. torque $S_f = 1$	M_{d max}	[Nm]	223252	223252
Nom. torque $S_w = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	223252	223252
Max. holding torque* $S_{f5} = 1$ (static)	M_{h max}	[Nm]	223252	223252
Static load rating, radial	C_{o rad}	[kN]	2906	2906
Static load rating, axial	C_{o ax}	[kN]	7777	7777
Dynamic load rating, radial	C_{rad}	[kN]	1003	1003
Dynamic load rating, axial	C_{ax}	[kN]	1169	1169
Weight, incl. 26 kg for hydraulic motor OMVS630		[kg]	1215	1215

* Optionally with brake

** See: Technical Information, section *Self-locking*

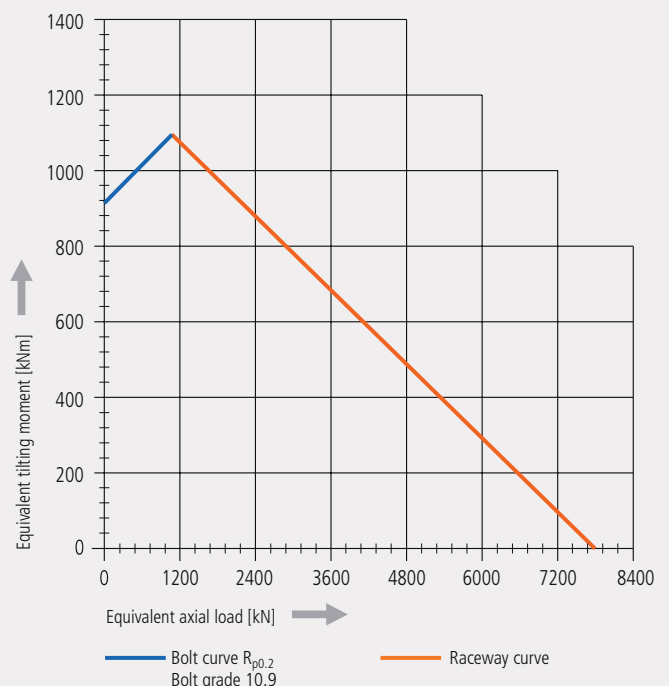
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with gear box 306 and hydraulic motor OMVS630

Pressure differential	Δp	[bar]	185	190
Oil flow	Q	[l/min]	180	135
Output speed	n	[min ⁻¹]	1	1
Max. achievable torque	M_d	[Nm]	223252	223252

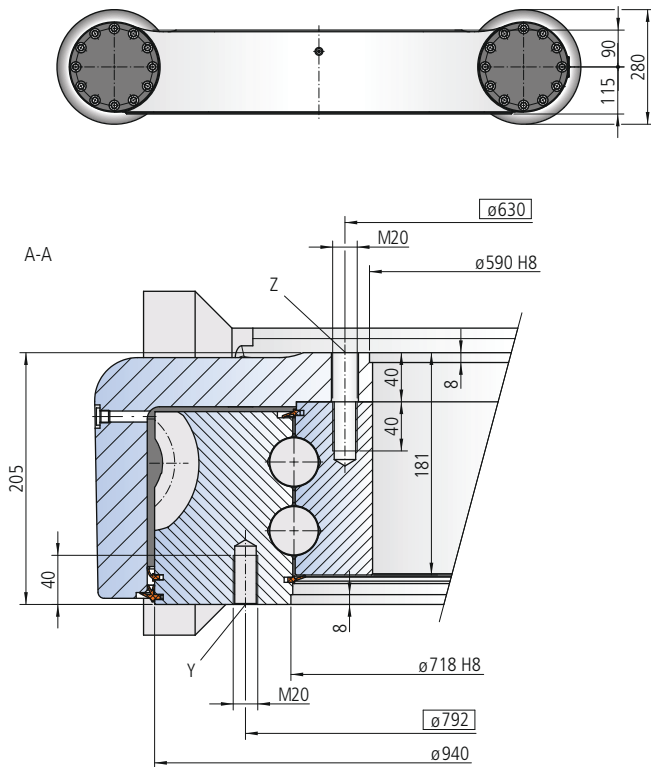
Limiting load diagram for compressive loads



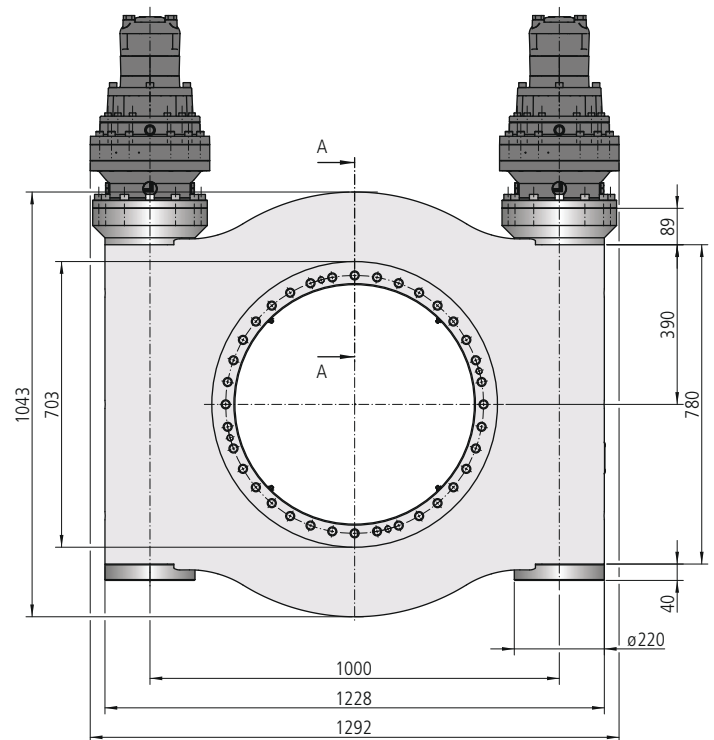
Please always observe the technical information!

Please note: This slew drive is only available after prior technical design by IMO Application Engineering department.

Size WD-L 0713 / 2-row / 2 drives



The mounting structure must support the housing to at least $\phi 713$ and at most to $\phi 760$



Mounting holes

Y = 48 drill holes M20-40 deep, evenly distributed
Z = 36 drill holes $\phi 22$ -40 deep / M20-40 deep, evenly distributed

Lubricating ports

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

Drawing number WD-L 0713/3-11827

Drawing number WD-L 0713/3-11825

Module	m	[mm]	12	12
Number of threads of the worm		[-]	1	2
Gear ratio	i	[-]	75	37.5
Overall gear ratio incl. gear box	i_{tot}	[-]	270	200
Self-locking gears			No**	No**
Max. torque $S_F = 1$	M_{d max}	[Nm]	446504	446504
Nom. torque $S_W = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	446504	446504
Max. holding torque* $S_{F5} = 1$ (static)	M_{h max}	[Nm]	446504	446504
Static load rating, radial	C_{o rad}	[kN]	2906	2906
Static load rating, axial	C_{o ax}	[kN]	7777	7777
Dynamic load rating, radial	C_{rad}	[kN]	1003	1003
Dynamic load rating, axial	C_{ax}	[kN]	1169	1169
Weight, incl. 52 kg for 2 hydraulic motors OMVS630		[kg]	1400	1400

* Optionally with brake

** See: Technical Information, section *Self-locking*

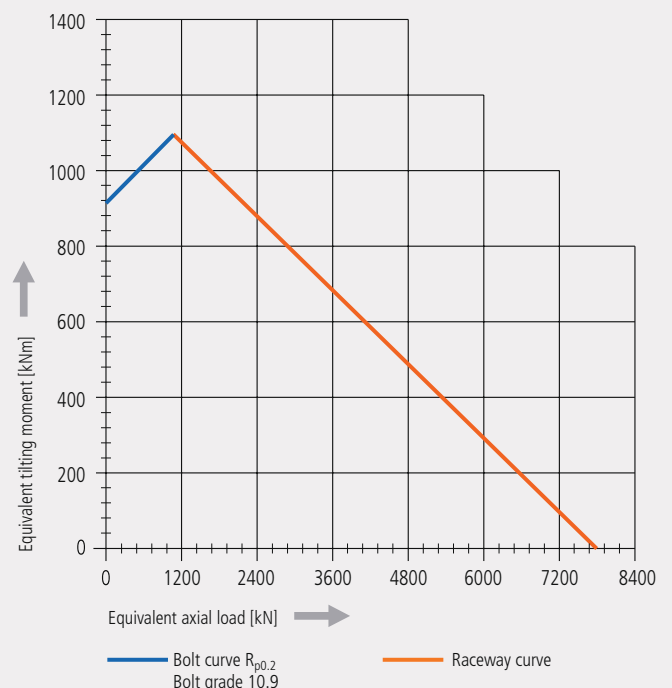
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with gear box 306 and two hydraulic motors OMVS630

Pressure differential	Δp	[bar]	185	190
Oil flow	Q	[l/min]	360	270
Output speed	n	[min ⁻¹]	1	1
Max. achievable torque	M_d	[Nm]	446504	446504

Limiting load diagram for compressive loads

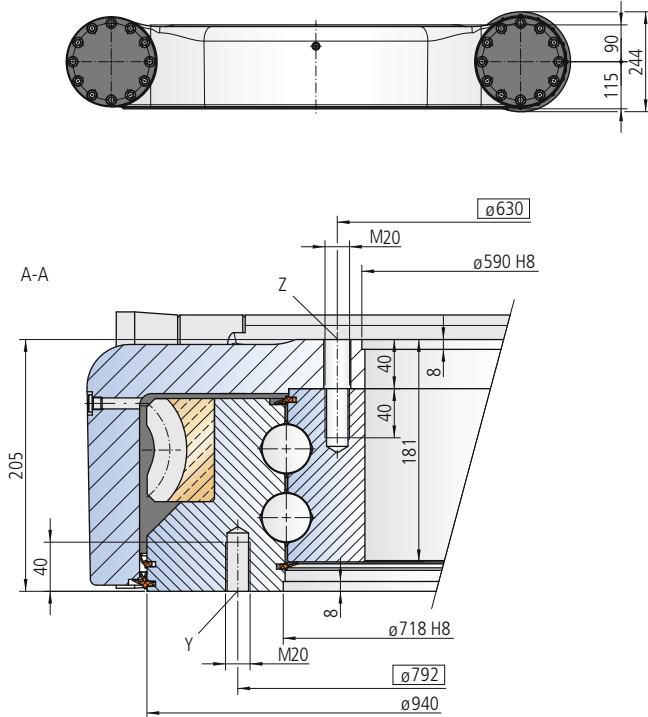


Please always observe the technical information!

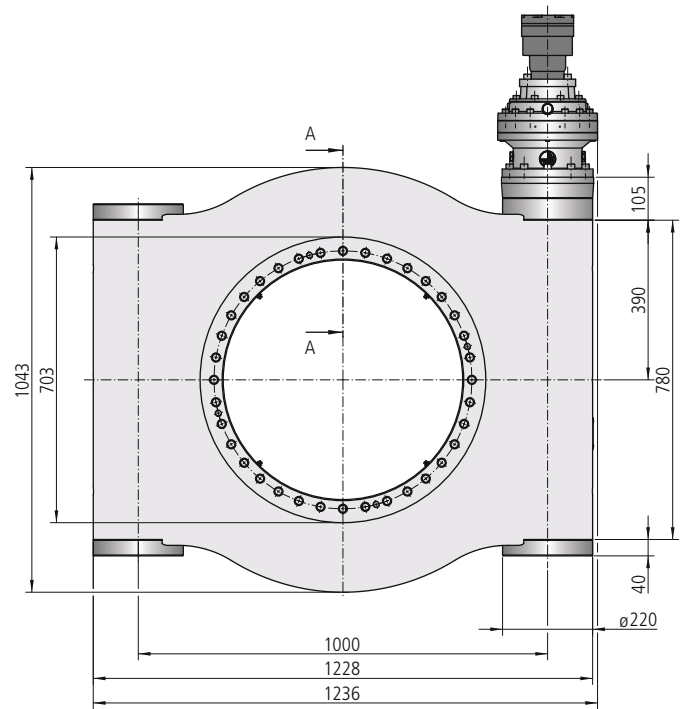
WD-L series

Please note: This slew drive is only available after prior technical design by IMO Application Engineering department.

Size WD-LC 0713 / 2-row / 1 drive - Bronze special design



The mounting structure must support the housing to at least $\phi 713$ and at most to $\phi 760$



Mounting holes

Y = 48 drill holes M20-40 deep, evenly distributed
Z = 36 drill holes $\phi 22$ -40 deep / M20-40 deep, evenly distributed

Lubricating ports

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

Drawing number WD-LC 0713/1-11545				
Drawing number WD-LC 0713/1-11543				
Module	m	[mm]	12	12
Number of threads of the worm		[-]	1	2
Gear ratio	i	[-]	75	37.5
Overall gear ratio incl. gear box	i_{tot}	[-]	270	200
Self-locking gears			No**	No**
Max. torque $S_f = 1$	M_{d max}	[Nm]	102513	102513
Nom. torque $S_w = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	102513	102513
Max. holding torque* $S_{f5} = 1$ (static)	M_{h max}	[Nm]	102513	102513
Static load rating, radial	C_{o rad}	[kN]	2906	2906
Static load rating, axial	C_{o ax}	[kN]	7777	7777
Dynamic load rating, radial	C_{rad}	[kN]	1003	1003
Dynamic load rating, axial	C_{ax}	[kN]	1169	1169
Weight, incl. 12 kg for hydraulic motor RE300		[kg]	1132	1132

* Optionally with brake

** See: Technical Information, section *Self-locking*

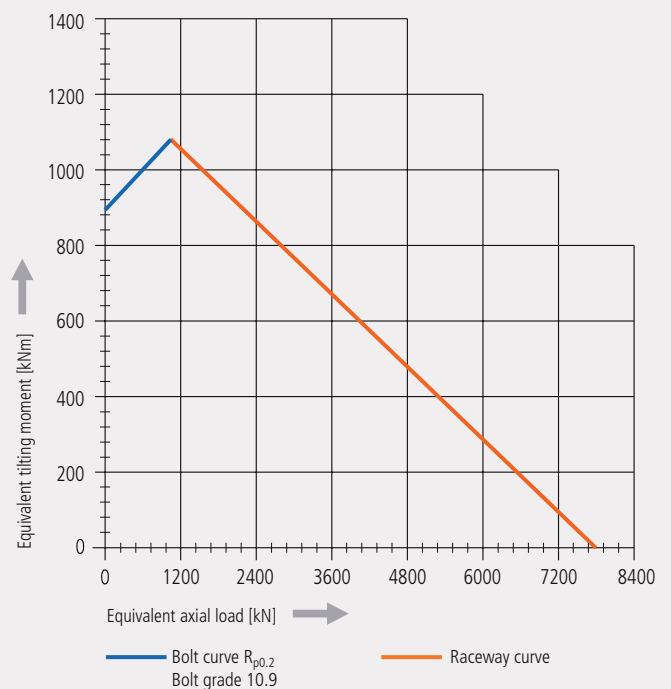
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with gear box 305 and hydraulic motor RE300

Pressure differential	Δp	[bar]	197	192
Oil flow	Q	[l/min]	87	69
Output speed	n	[min ⁻¹]	1	1
Max. achievable torque	M_d	[Nm]	102513	102513

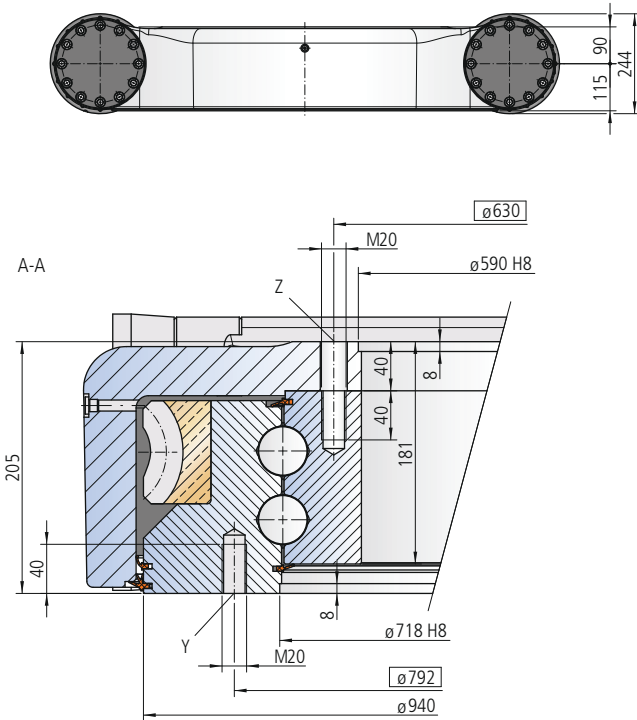
Limiting load diagram for compressive loads



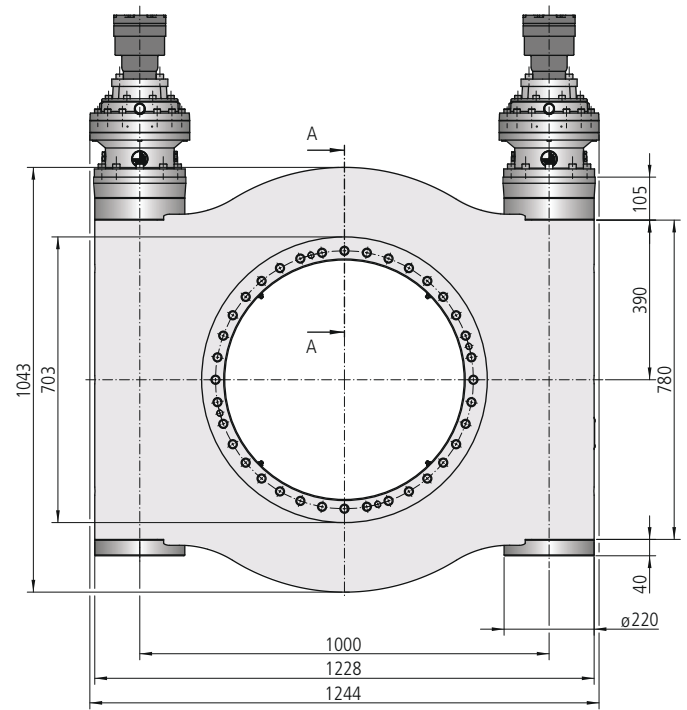
Please always observe the technical information!

Please note: This slew drive is only available after prior technical design by IMO Application Engineering department.

Size WD-LC 0713 / 2-row / 2 drives - Bronze special design



The mounting structure must support the housing to at least $\phi 713$ and at most to $\phi 760$



Mounting holes

Y = 48 drill holes M20-40 deep, evenly distributed
Z = 36 drill holes $\phi 22$ -40 deep / M20-40 deep, evenly distributed

Lubricating ports

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

Drawing number WD-LC 0713/1-11546				
Drawing number WD-LC 0713/1-11544				
Module	m	[mm]	12	12
Number of threads of the worm		[-]	1	2
Gear ratio	i	[-]	75	37.5
Overall gear ratio incl. gear box	i_{tot}	[-]	270	200
Self-locking gears			No**	No**
Max. torque $S_f = 1$	M_{d max}	[Nm]	205026	205026
Nom. torque $S_w = 1$ at $n = 1 \text{ min}^{-1}$	M_{d nom}	[Nm]	205026	205026
Max. holding torque* $S_{f5} = 1$ (static)	M_{h max}	[Nm]	205026	205026
Static load rating, radial	C_{o rad}	[kN]	2906	2906
Static load rating, axial	C_{o ax}	[kN]	7777	7777
Dynamic load rating, radial	C_{rad}	[kN]	1003	1003
Dynamic load rating, axial	C_{ax}	[kN]	1169	1169
Weight, incl. 24 kg for 2 hydraulic motors RE300		[kg]	1285	1285

* Optionally with brake

** See: Technical Information, section *Self-locking*

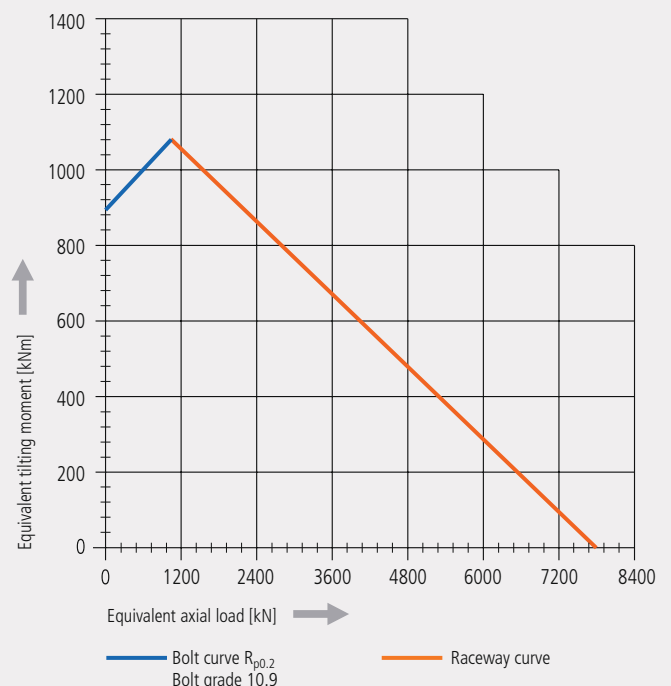
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

Selection example:

Performance data with gear box 305 and two hydraulic motors RE300

Pressure differential	Δp	[bar]	197	192
Oil flow	Q	[l/min]	174	138
Output speed	n	[min ⁻¹]	1	1
Max. achievable torque	M_d	[Nm]	205026	205026

Limiting load diagram for compressive loads



Please always observe the technical information!