

Part number:

HYDROMA

HYDRAULICKÉ SYSTÉMY

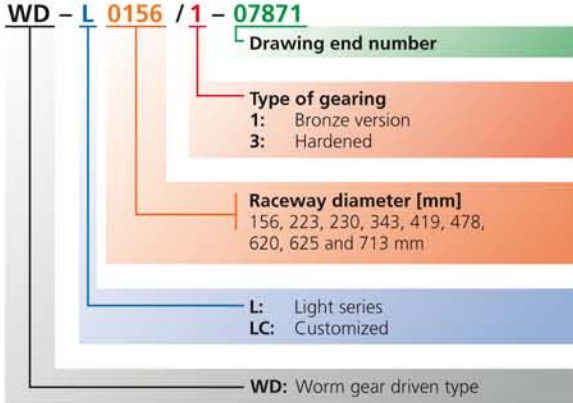
**HIDROMA
SISTEMS**

UKŁADY HYDRAULICZNE

HYDROMA

ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

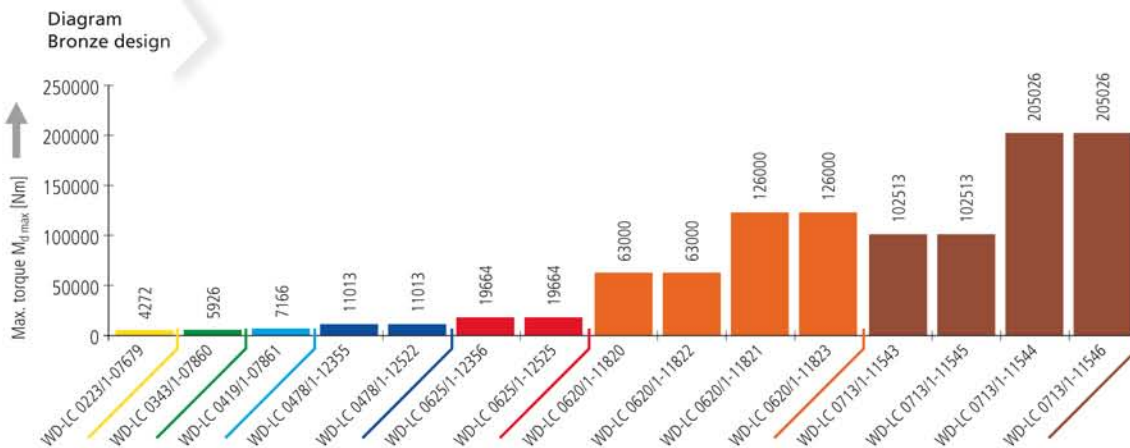
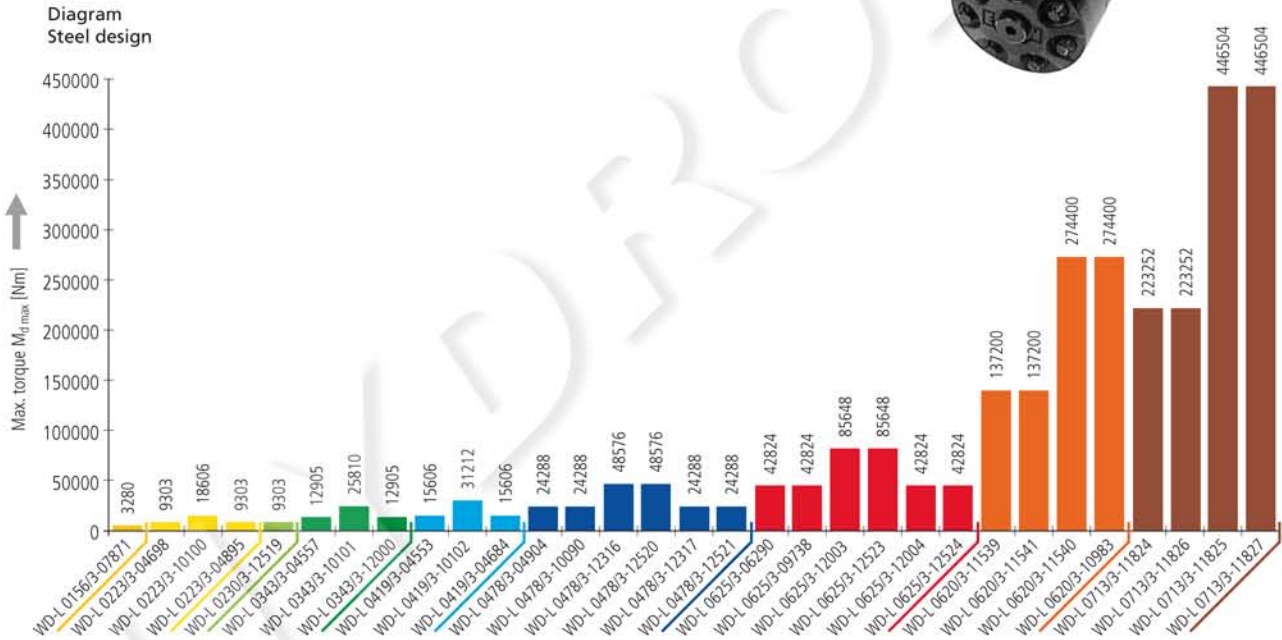
WD-L series overview



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

CAUTION: The duty per minute is limited.

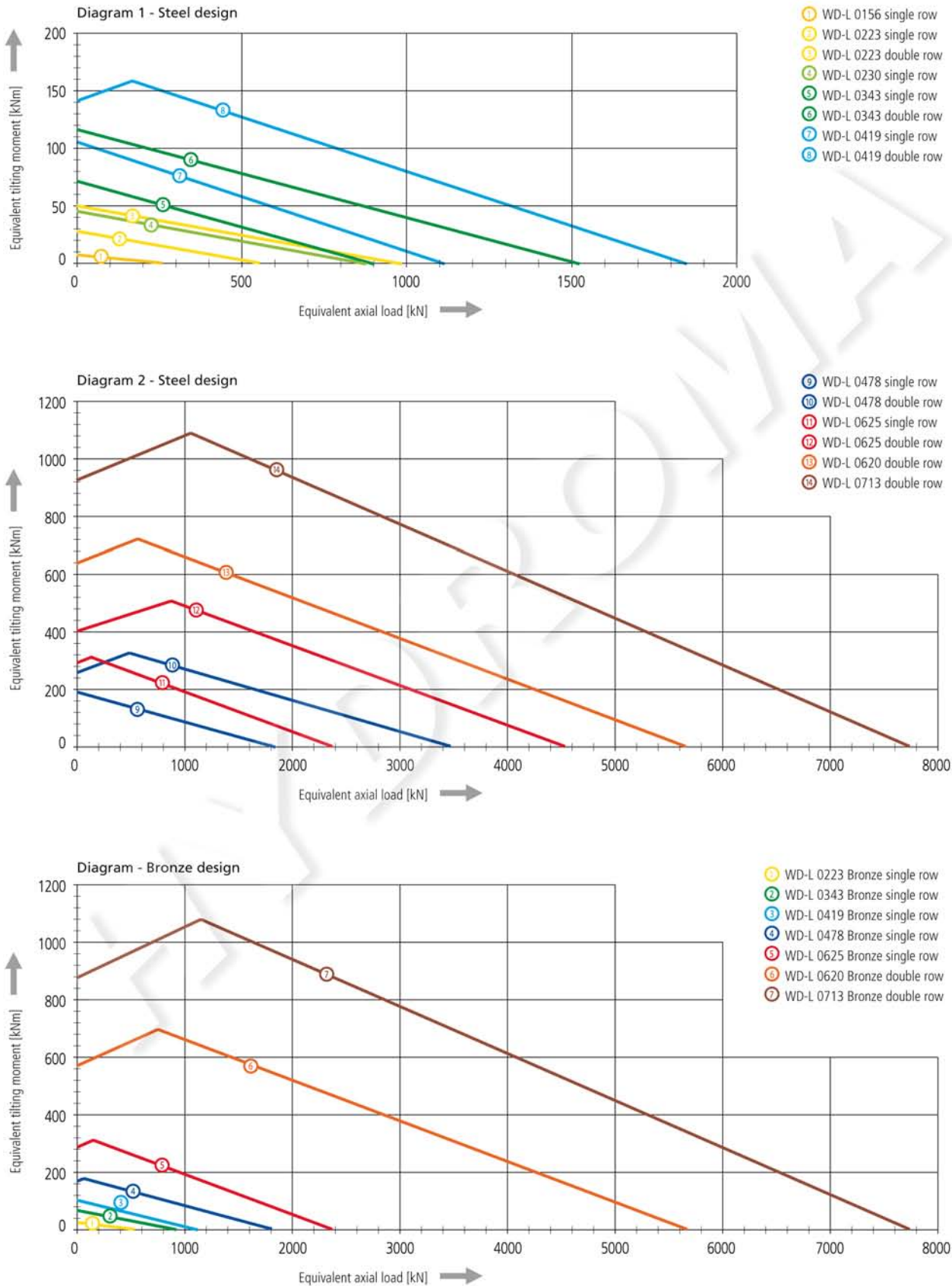
Please always observe the explanations in the Technical Information section (from page 60).



WD-L series overview

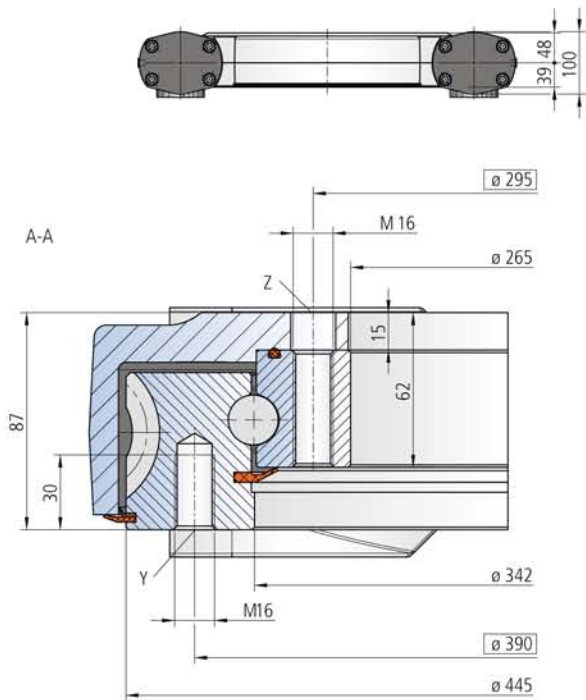
Limiting load diagrams of the individual sizes for compressive loads

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

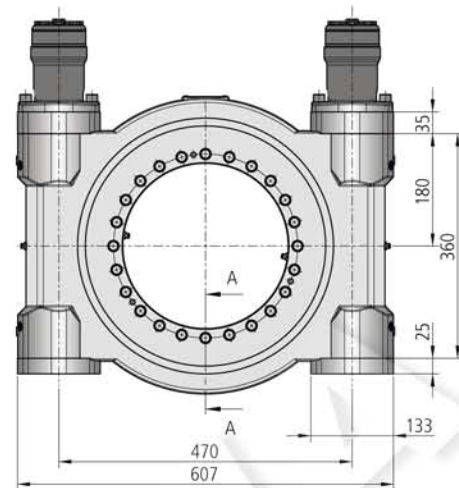


WD-L

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* $S_{FS} = 1$ (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*

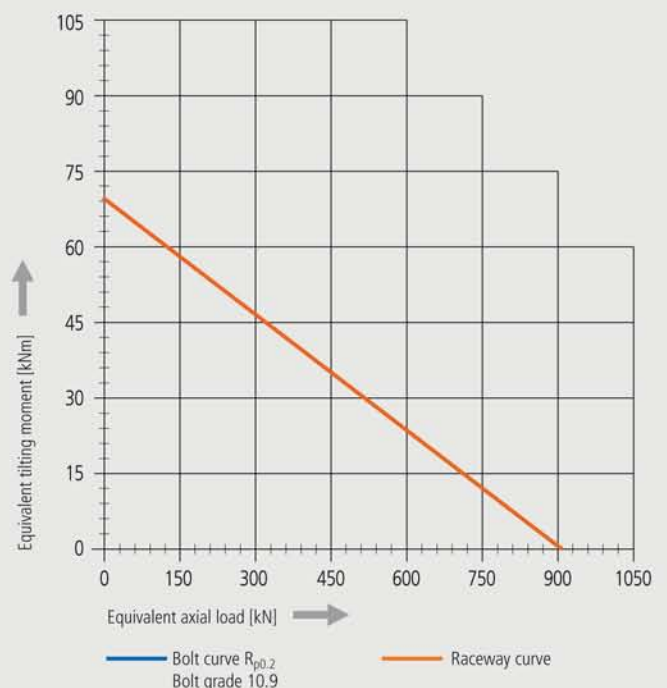
The hydraulic/electric motor is selected according to the actual requirements and customer specification.

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!

