



MMD 500 Series Secondary Twin Shaft Sizer

Technical Details

The MMD 500 Series Secondary Sizer shall consist of the following:

- 1 off MMD 500 Series 7 Tooth Segment, Standard Length Case Assembly,
- 1 off MMD R200 30:1 Ratio Gearbox,
- 1 off Voith 487 Fluid Coupling Assembly,
- 1 off Under speed Sensing Assembly,
- 1 off ~~1600~~ ²⁰⁰ kW Electric Motor.

Mechanical Data Schedules

The MMD 500 Series Secondary Sizer shall conform to the following General Specifications:

Main Dimensions

Total Length	3400 mm approximate (excluding motor)
Total Width	1760 mm
Total Height	650 mm approximate

Estimated Mass

Total	12,000 kg approximate (inc gearbox)
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Chamber Dimensions

Total Length	1352 mm
Total Width	1070 mm
Total Height	615 mm

Shaft Configuration

No. Teeth/Segment	7
No. Segments/Shaft	12
Roll Length	1352 mm
Bearing type	SKF Spherical Roller
Bearing Lubrication	Grease

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MMD R200 30:1 Gearbox

Maximum Installed Power	149 kW
Gearbox type	Straight Spur, Parallel Shaft
Type of Gearing	Case Hardened, Profile Ground
Number of Stages	3
Lubrication	Oil Splash
Application Factor @ above power	1.75
Reduction ratio	30:1
Output Speed	49 RPM
Output Torque	29 kNm
Usual input coupling	Voith 487
Total Weight including oil	1,750 kg
Oil Capacity	70 Litres, (ISO VG320)
Design Life	30,000 Hours
Max Peak Torque	174 kNm
Approx Thermal Rating	180 kW
Max Ambient Temp without Cooling	32 Deg C