

Baumüller DST2 - High-Torque motors b maXX 5500 – Servo drives



THE DRIVE. OF A NEW AGE.

Description

The new energy-efficient drive solution compared to electric hydraulic drive concepts for mobile and stationary systems with a special focus on recycling applications.

- System solution consisting of gearbox + clutch + electric motor
- Modular design with various gear ratios and mounting and connection options
- Wide output torque range from 10kNm up to 400kNm
- Single-stage or multi-stage planetary gearbox
- Energy-efficient drive solution / electric drive train
- Designed for applications with high alternating loads
- Protection of the drive train by integrated overload clutch
- Continuous torque measurement - DESCHtorque
- Direct replacement of electro-hydraulic drive train

Technical details

- **1- or multi-stage planetary gearboxes**
Output torque $T = 10 - 400 \text{ kNm}$
Output speed $n = 3 - 200 \text{ rpm}$
- **Wear-resistant torque limiting clutch**
For protection against shock torques
by use of defined slipping torques
- **Connections**
Shrink disc connection in combination with torque arm alternatively
flange connection combined with spline or shamrock shaft

Field of Application

- **Stationary recycling systems**
Pre-shredders
Post-shredders
Rotary shears
- **Mobile shredders**
Wood shredders
Biomass crushers
- **Other applications**
Road milling machines
Surface Miners
Crushers

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Technical questionnaire to select Tevox® for recycling solutions

Customer	Project name
Previous drive concept / manufacturer	

Machine shaft performance data	
Nominal torque [Nm]	
Nominal speed [rpm]	
Max. speed [rpm]	
Torque at max. speed [Nm]	
Max. torque [Nm]	
Speed at max. torque [rpm]	
Max. peak torque at blockage [Nm]	
Required bearing lifetime [h]	



Load spectrum / duty cycle (if available)	
Load [Nm]	Time slice [h or %]

Connection to shaft and machine frame	
Shrink disc and torque arm	<input type="checkbox"/>
Shamrock connection and flange	<input type="checkbox"/>
Spline shaft and flange	<input type="checkbox"/>

Oil type	
Castrol Alpha SP 150 P	<input type="checkbox"/>
other Specifikation:	<input type="checkbox"/>

Sensors	
DESCHtorque (torque measurement)	<input type="checkbox"/>

Based on your data, we will configure the optimum Tevox drive® and the required motor for you.

Drive system arrangement	
Number of shredding shafts: _____	
<input type="checkbox"/> 1-drive/shaft	
<input type="checkbox"/> 2-drives/shaft	
<input type="checkbox"/> Both solutions possible	

