DESCH Tevox® Direct Drive



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 kNmOutput speed n = 3 - 200 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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Both solutions possible



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Technical questionnaire to select Tevox® for recycling solutions			
Customer	Project name		
Previous drive concept / manufacturer	·		
Machine shaft performance data	Load spectrum / duty cycle (if available)		
Nominal torque [Nm]	Load [Nm]	Time slice [h or %]	
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]			
Connection to shaft and machine frame	Oil type		
Shrink disc and torque arm	Castrol Alpha SP 150 F	Castrol Alpha SP 150 P	
Shamrock connection and flange	other		
Spline shaft and flange	Specifikation:		
	Pacad on your data way	vill configure the optimum	
Sensors	Tevox drive® and the requ		
DESCHtorque (torque measurement)			
Drive system arrangement		Max. System diameter Center distance:	
Number of shredding shafts:			
1-drive/shaft			
2-drives/shaft			
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Installation length: __