



TORQSET® SAFETY COUPLINGS

200- 250,000 Nm



GENERAL INFORMATION ABOUT R+W SAFETY COUPLINGS:



FIT CLEARANCE

Overall shaft / hub clearance of 0.02 - 0.07 mm

TEMPERATURE RANGE

-30 to +120° C

SPECIAL SOLUTIONS

Automatic re-engagement

ATEX (Optional)





For use in hazardous areas available upon request.

DISENGAGEMENT BEHAVIOR

Full disengagement / manual reset is standard.



TORQSET® SAFETY COUPLINGS 200 – 250,000 Nm

MODEL		FEATURES	
ST1		with simple keyway mounting for indirect drives from 200 - 250,000 Nm <ul style="list-style-type: none">▶ compact, simple design▶ precise overload protection▶ torsionally stiff▶ integral bearing for overhung load support	Page 44-45
STR		with keyway mounting special robust version from 200 - 250,000 Nm <ul style="list-style-type: none">▶ compact, simple design▶ precise overload protection▶ torsionally stiff▶ with heavy duty bearing for overhung load support	Page 46-47
STN		with conical clamping ring for indirect drives from 200 - 165,000 Nm <ul style="list-style-type: none">▶ high shaft clamping pressure▶ compact, simple design▶ precise overload protection▶ torsionally stiff▶ integral bearing for overhung load support	Page 48-49
STF		with flange mounting both sides from 200 - 45,000 Nm <ul style="list-style-type: none">▶ compact design with customer specified interface for torque transducers and other mounting flanges▶ precise overload protection▶ torsionally stiff▶ with special bearing for high speeds	Page 50

MODEL

FEATURES

STE



with keyway mounting and elastomer coupling from 200 - 14,000 Nm

- ▶ vibration damping
- ▶ precise overload protection
- ▶ wear resistant
- ▶ press fit design

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ST2



with simple keyway mounting and elastic coupling from 200 - 165,000 Nm

- ▶ highly elastic damping
- ▶ compensation for misalignment
- ▶ precise overload protection
- ▶ elastomer segments resistant to oil and dirt
- ▶ press fit design

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ST4



with simple keyway mounting and crowned gear coupling from 200 - 250,000 Nm

- ▶ high power density
- ▶ compensation for misalignment
- ▶ precise overload protection
- ▶ low reaction loads on shaft bearings
- ▶ extremely wear resistant

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ST

Options / Special Solutions

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ACCESSORIES

Accessories for Safety Couplings

Page 59 - 63