

RENOLD

Couplings



SPIDERFLEX

SPIDERJAW/WRAP

PINFLEX

CROWNPIN

TYREFLEX

DISCFLEX

CHAINFLEX

RBI

GEARFLEX

HYDRASTART

FREEWHEELS

Industrial Couplings & Freewheel Clutches

Couplings

Crownpin

Heavy duty pin and buffer coupling

ⓘ 249 kN.m ⓘ 300mm



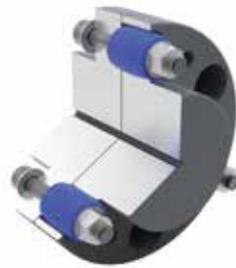
Heavy duty coupling suitable for shock load conditions
Neoprene rubber buffers for robust flexibility
Torsionally flexible - shock absorbing, extending machine life
Maintenance free - minimum number of wearing parts
Axial, angular and offset misalignment capabilities

[PUMPS](#) • [CRANES](#) • [CONVEYORS](#) • [SCREENS](#) • [ESCALATORS](#)

Pinflex

Compact steel hub pin and buffer coupling

ⓘ 32.5 kN.m ⓘ 260mm



Strong yet compact steel half bodies
Heavy duty pin and buffer coupling suitable for shock load conditions
Misalignment capabilities allowing flexibility in installation
Polyurethane buffers, reliable, flexible and temperature resistant
Maintenance free - minimum number of wearing parts

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Gearflex

Very heavy duty gear coupling

ⓘ 4747 kN.m ⓘ 840mm



All carbon steel heavy duty gear coupling for long life and strength in application
AGMA Standard series, cost effective and interchangeable flange fixing design
Single and double engagement types available, suiting all application requirements
Customised options available to offer design suitability for demanding applications
High misalignment range available up to 6 degrees

[CRANES](#) • [MINE DRIVES](#) • [STEEL ROLLING MILLS](#) • [QUARRIES](#)

Spiderflex

Interchangeable high quality curved jaw spider coupling

ⓘ 3.15 kN.m ⓘ 115mm



Torsionally flexible, shock absorbing, failsafe design
Optional fire retardant anti-static (FRAS) spider element
Misalignment capabilities allowing flexibility in installation
Compact design - small, with high torque capacity
Dimensionally similar to other spider couplings

[COMPRESSORS](#) • [PUMPS](#) • [CONVEYORS](#)

Spider Jaw/Wrap

Interchangeable high quality straight jaw spider couplings

ⓘ 10.77 kN.m
(with hytrel spider element)

ⓘ 115mm



Torsionally flexible and shock absorbing, extending machine life
Optional nitrile, urethane, hytrel and spider elements available
Axial, angular and offset misalignment capabilities
Ensures machinery downtime is kept to a minimum therefore maintaining a continued process

Wrap elements can be replaced without moving hubs on shafts

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Tyreflex

Interchangeable high misalignment tyre coupling

T 6.27 kN.m Ⓞ 150mm



High misalignment capabilities ensuring high flexibility
Shock absorbing – extending machine life
Fire retardant anti-static (FRAS) elements for use in a flameproof environment
Easy replacement of tyre element without any need to move hubs axially on driven or driving shafts
Interchangeability means no need for re-engineering

COMPRESSORS • PUMPS • GENERATOR SETS • FANS

Discflex

Axially compact torsionally flexible disc coupling

T 4.29 kN.m Ⓞ 110mm



Compact design, dimensionally small with a high power capacity
Misalignment capabilities allowing flexibility during installation
Alternative flexible elements available for wide design choice
Optional fire retardant anti-static (FRAS) elements for use in flameproof environments

BOTTLING MACHINES • COMPRESSORS • MIXERS • PUMPS

Chainflex

Long life covered chain coupling

T 8.59 kN.m Ⓞ 140mm



Torsionally stiff for use as a positive drive connection
All metal coupling for use in hostile environments
Misalignment capabilities allowing flexibility in installation
Easy removal of chain for high speed disconnection of driven and driving machines

FANS • FEEDERS • KILN DRYERS • LINE SHAFTS

RBI

Rubber-in-compression industrial coupling

T 62 kN.m Ⓞ 210mm



Intrinsically fail safe
Maintenance free
Severe shock load protection
Zero backlash
Low lifetime costs

PUMPS • TABLE ROLLER DRIVES • CRANES AND HOISTS • CONVEYORS
FANS • MIXERS • EXTRUDERS • SCREENS

Hydrastart

Soft start fluid coupling

T 3.5 kN.m Ⓞ 150mm



Pinflex and Gearflex flexible couplings and vee pulley designs
Soft start allowing the motor to accelerate unloaded
Reduces motor size and drive package cost
Delay fill (twin chamber) version - further reducing start-up torque
Non-contact sensor available for clean overload protection

MIXERS • CONVEYORS • CRUSHERS

Freewheels

SA/SB

Light to medium duty sprag clutches

SA: τ 41Nm \odot 16mm

SB: τ 2.17 kN.m \odot 50mm



SA Suitable for all small machine applications due to compact design Grease lubricated, sealed for life with hardened chromised steel sprags as standard

Dimensionally interchangeable with other leading manufacturers' equivalent units

LIGHT DUTY PUMPS • FANS AND BLOWERS
PRINTING AND TEXTILE MACHINES

SB High quality robust design with keywayed spigot for ease of fitting drive medium

Grease or oil lubricated designs available with hardened chromised steel sprags as standard

Dimensionally interchangeable with other leading manufacturers' equivalent units

PINCH ROLLERS • TEXTILE MACHINERY
MIXER DRIVES • PUMPS • FANS

SO/SX

High quality, long life sprag clutches

SO/SX: τ 36.6 kN.m \odot 180mm



SO clutches, oil or grease lubricated suitable for overrunning and backstopping

SX clutches, oil or grease lubricated suitable for heavy duty indexing applications

All sizes fitted with wide hardened chromised steel sprags as standard for long life Sealed for life options available on all sizes

Dimensionally interchangeable with other leading manufacturers' equivalent units

Fully interchangeable, easy to fit backstop side torque arms available for all sizes

BUCKET ELEVATORS • PAPER MACHINERY • CONVEYORS • PRESSES • FANS • LEISURE RIDES

SHCT

Long life sprag clutch holdbacks/backstops

τ 759.3 kN.m \odot 500mm



Designed with long life components for lower overall operating costs

Dimensionally interchangeable with other leading manufacturers' equivalent units

Able to accommodate large bores and high torque capacity in compact design

Quick disconnect mounting pins for fast torque arm removal

Enhanced labyrinth sealing for hostile environments

Grease or oil lubrication options available on all sizes

INCLINED AND OVER LAND BULK MATERIAL HANDLING CONVEYORS

DM Internal Backstops

DM: τ 3.41 kN.m \odot 101.6mm



High torque capacity yet compact direct shaft mounting

Dimensionally interchangeable with other leading manufacturers' equivalent units

All sizes fitted with wide hardened chromised steel sprags as standard for long life

INCLINED CONVEYORS • PUMPS

REUS/REUSNU

Interchangeable trapped roller freewheel



REUS A roller-type freewheel which is non-bearing supported

REUS range designed with the same outside dimensions as standard 62 series bearings

All types stocked pre bored and keyed to standard motor shaft sizes

Dimensionally interchangeable with other leading manufacturers' equivalent units

PACKAGING AND PRINTING MACHINERY • BUCKET ELEVATORS • INCLINED CONVEYORS

REUSNU A roller type freewheel which is non bearing supported

REUSNU designed with the same outer dimensions as standard 63 series bearings

Dimensionally interchangeable with other leading manufacturers' equivalent units

REUK

Interchangeable range of ball bearing freewheel clutches

τ 325Nm \odot 40mm



Dimensionally interchangeable with other leading manufacturers' equivalent units

Designed with the same outer dimensions as 62 ball bearings

REUK C with single keyway and REUK CC with additional outer race keyway ranges available

REUK 2RS with waterproof seals and REUK C 2RS with internal keyway ranges available

All types prefilled with grease and sealed for life

All types stocked pre bored and keyed to standard motor sizes

PACKAGING • PRINTING • AGRICULTURAL AND LEISURE MACHINERY

Global power transmission

Renold is a global engineering group with over 130 years of experience in the design and manufacture of high-quality power transmission products and application-specific solutions.

Application knowledge and engineering expertise, together with global manufacturing and service, ensures that Renold is your ideal partner – whatever your industry need. It is this unique industry experience gained in demanding global environments that makes the vital difference.

Our skilled engineers work closely with customers to provide a wide range of solutions for critical, real-life applications. Solutions that are proven to stand the test of time – that is why we believe in the principle: 'Engineering for Life'.



RENOLD

Couplings

A global power transmission group serving global markets through an international network.

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