

## Coupling types offered by SKF

With the vastness of the varied global coupling range, SKF has simplified the selection to the basic ranges, including:

- Elastomeric i.e. jaw and tyre-in-shear type couplings
- Spacer types i.e. jaw, flex-tyre, grid and gear types
- Chain coupling – ISO, JIS/ANSI
- Universal joints – small/light duty single and double flex, Cardan/Drive shaft assemblies
- Rigid couplings – up to 495 mm shaft
- Special designs; made-to-order for most applications



### The SKF Disc Coupling offers the following benefits:

- Medium to high torque capability
- Cost effective (versus torque and size)
- No lubrication required
- Zero backlash
- High speed capability (may require dynamic balancing over 50 m/s)
- Standard spacer lengths to ANSI and ISO standards generally available
- Ease of mounting / alignment and maintenance



### Gear coupling

SKF's range of crown tooth gear couplings includes:

- Single and double Flex type – AGMA Standard
- Spacer, floating and fixed shafts
- Vertical arrangement
- Special made to order, e.g. insulated type



### Taper grid coupling

SKF's versatile taper grid coupling features:

- Horizontal and vertical covers
- Half spacer and full spacer series
- Interchangeable with most popular brands – size-for-size
- Excellent damping properties



### SKF Flex, tyre-in-shear tyre coupling

The lowest maintenance coupling type that has proven the most popular globally, the SKF Flex range offers:

- Maintenance free
- Absorb shock, misalignment, vibrations
- Able to replace tyre without motor movement



# SKF Power Transmission Products



Contact your local SKF Power Transmission distributor



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## SKF V Belts Range

SKF carries the complete range of industrial power transmission belt products, including:

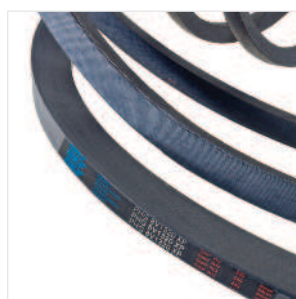
- Classical sections (A, B, C, D, Z)
- Wedge ISO (SPA, SPB, SPC, SPZ)
- Narrow wedge RMA (3V, 5V, 8V)
- Cogged raw edge (CRE) to 4 000 mm pitch length
- Banded belts
- Special designs – e.g. Aramid cord



## SKF Xtra Power V Belt Range

The requirement for extra V belt capacity and longer belt life has been met with SKF Xtra belts:

- Oil and heat Resistant
- Up to 97% drive efficiency
- Minimum maintenance through drive life
- Extra capacity: 20-30% over standard products



## V Belts and Synchronous Range

The fastest growing range of belt products, SKF has a large portfolio of products:

- Classical trapezoidal (MXL, XL, L, H, XH, XXH)
- Metric trapezoidal (T2.5, T5, T10, T20, AT5, AT10) in rubber and polyurethane
- HiTD – Curvilinear teeth profile, high torque drive
- Double sided variants for most sections



## Synchronous Belt Cutting

To fulfil orders quickly, SKF has state-of-the-art cutting machines in key global locations:

- Allows economic order quantity
- Use of excellent SKF logistics support



## SKF Chain Range

The Roller and Conveyor Chain range from SKF:

- Roller chains to ISO/BS, DIN and ANSI standards
- Heavy ANSI series roller chains – S, SH, SPH, SHH, for extreme conditions
- Standard chains available in rivet or cottered construction
- Attachment chains – A1, K1, WSA1 available for roller and conveyor chains
- Special designs, made to order for most applications



## Xtra Corrosion Resistant Chains

For applications in extreme environments:

- Stainless steel – 304 and 316 grade for food grade
- Nickel plated – food grade non-contact, harsh environment
- Zinc plated for economical protection and low-medium resistance
- Dacromet Chain – high performance coating for chains in extreme conditions



## Conveyor chains

For chains in conveying in light to extreme heavy industry:

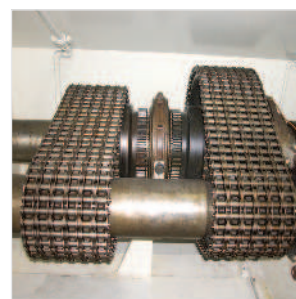
- Cement chains – bucket elevator, reclaimers and apron conveying
- Steel – transport and drive chains, special designs available
- Made to order unique chains for many applications



## API Certified Roller Chains

The demanding application of oil field pumps means having the right quality product available – SKF excels in supplying specialised industrial chains:

- API certified chains
- Ability to absorb shock, high fluctuating loads
- Equivalent to ANSI standards – from ANSI 80 and above, to eight strands wide



## Steel products

To offer the best possible drive systems, running on quality performance steel parts is essential. SKF can supply a range of pulleys, sprockets, hubs and bushings:

## SKF V Belt Pulleys

- ISO and RMA profiles – dimensions according to applicable standards
- Phosphate coated for ISO pulleys – a measure of corrosion protection
- RMA pulleys powder coated for economical protection
- Taper bush and QD locking systems as standard



## Hubs and bushings

For convenient locking to shafts with keyways – taper bush and QD bushes and accessory hubs to suit:

- Taper bushings and bolt-on or weld-on hubs
- QD bushes with weld on hubs
- Hubs ensure adaptability to any item locking to a keyed shaft



## SKF Sprockets

To suit the range of roller and conveyor chains, SKF has capabilities for all types of sprockets:

- ANSI and BS/ISO type sprockets
- Taper bush type pre-bored from factory
- Hardened tooth types available for extreme conditions



## SKF FX series friction bushes

This range of bushes makes it possible to attach items to plain shafts securely for demanding applications:

- Shaft sizes from 10 mm to 900 mm
- Ability to absorb shock, high fluctuating loads
- High transmittable torque up to 1 650 kN

