

• COUPLINGS & THEIR TYPES



SPIDER & SNAP WRAP JAW COUPLINGS



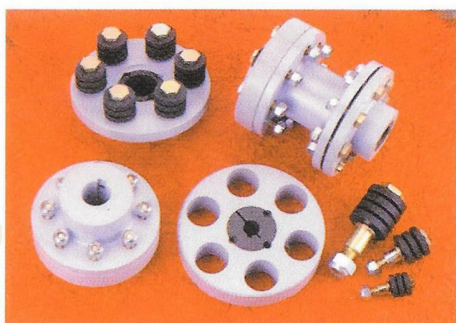
JAW-FLEX COUPLINGS



FLANGE/SPACER COUPLINGS



TYRE-FLEX COUPLINGS



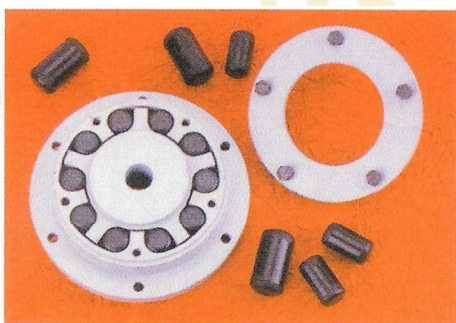
CONE-FLEX COUPLINGS



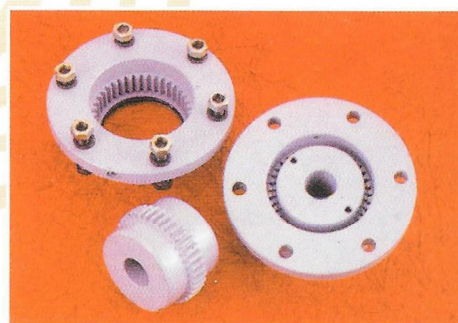
DISC-O-FLEX/D-FLEX COUPLINGS



B-FLEX COUPLINGS



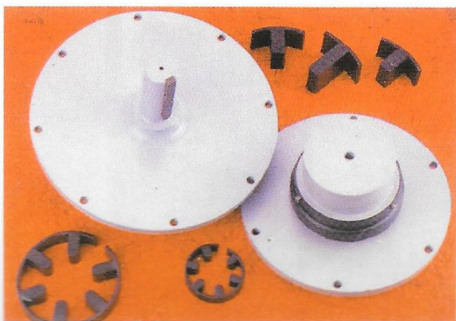
HY-FLEX COUPLINGS



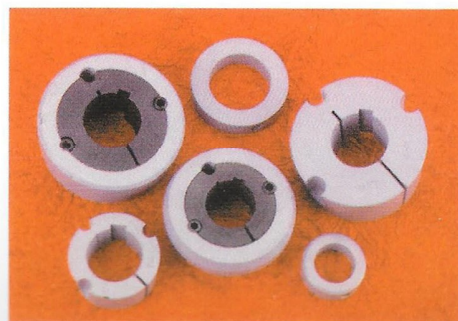
GEAR-FLEX COUPLINGS



PULLEYS



STUB SHAFTS & FLANGE COUPLINGS



BOLT ON/WELD ON HUBS, TAPER BUSHES

TYPE L COUPLING



TYPE SW COUPLING

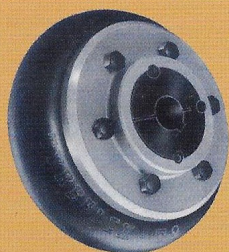


TYPE RRS SPACER COUPLING



JAW COUPLING

- Torsionally flexible, maintenance - free • Damping vibrations • Axial plug-in, fail-safe
 - All over machining - good dynamic properties • Compact design/small flywheel effect
 - Finish bore according to ISO fit H7, feather keyway according to DIN 6885 sheet 1 - JS9
 - Ex - Approved according to EC Standard 94/9/EC (without aluminium AL-D)
 - Electrically insulated.
 - Totally unaffected by water, dust petroleum products, steam & light chemicals.
- Material : Cast Iron, Grade 25 IS 210



TYRE - FLEX COUPLINGS

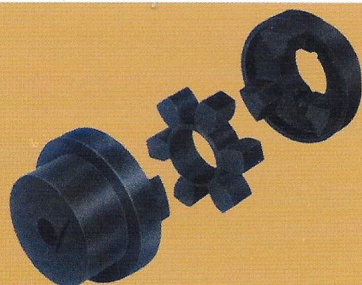
Features

- Tyre - Flex type TFH consists of four parts namely Hub, Clamping ring, Flange & Tyre clamped with a set of screws and washers.
- These are reversible which permit arranging them in any position FF, HH, HF. Low inventory is the important feature of this type.



CONE - FLEX COUPLINGS

- Unmatched Simplicity
- No Lubrication
- Size and Cost
- Simple/Easy Maintenance
- Low Operational Cost
- Smooth and Quiet Operation



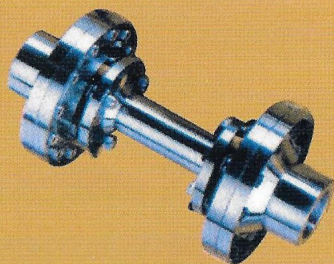
RFC COUPLINGS

The RFC coupling is a general purpose flexible coupling available in eight different sizes in taper bore, pilot bore or finished bore.

Accommodates Misalignment : The RFC coupling compensates for axial, parallel & angular misalignments.

Interchangeable : The RFC coupling is compatible with leading makes of couplings.

Elastomers spider is of Nitrile rubber having shore hardness of 80°, suitable for temperatures from -40°C to + 100°C.



D-FLEX COUPLINGS

This Coupling is the most suitable for Critical Operations where reliability matters.

- No need for lubrication & maintenance.
- High power to weight ratio.
- Low Axial thrust values.
- In built safety features.
- Meets API-671.



CARDAN SHAFT COUPLINGS

- Easy in Installation
- Length Compensation
- Highly Efficient
- Low Maintenance
- Efficient Spline

SURE-FLEX COUPLINGS

- Need No Lubrication, No Maintenance
- Quick, Easy Installation
- Clean, Quiet Performance



GRID-FLEX COUPLING

Grid-flex couplings are lubricated, having high torque capacity like gear couplings & with torsional flexibility of an Elastomer couplings. Grid-flex offers the simplest, most cost effective solution for moderate to high torque application.



B-FLEX COUPLING

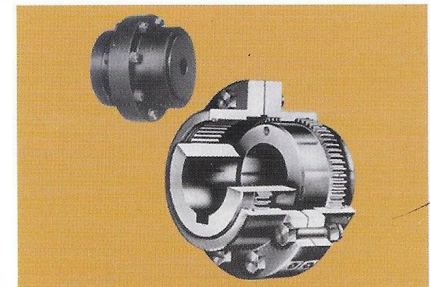
B-Flex couplings consist of a set of resilient BARREL shaped bushes with pins & nuts and two flanged hubs of graded cast iron.

These special BARREL shaped bushes permit the MISALIGNMENT IN ALL DIRECTIONS and give extra torsional flexibility as compared to plain bushes. These couplings are suitable for general engineering application requiring reliable power transmission even under conditions of shaft misalignments which are often unavoidable.



GEAR-FLEX COUPLING

- Less Backlash
 - Compact Assembly
 - Larger Bore Capacities
 - High Power to Weight Ratio
 - Accommodates Angular, Parallel and Axial Misalignments
 - Generally used upto 120°C
- Can be used for higher temperatures by using proper grade of grease or oil.

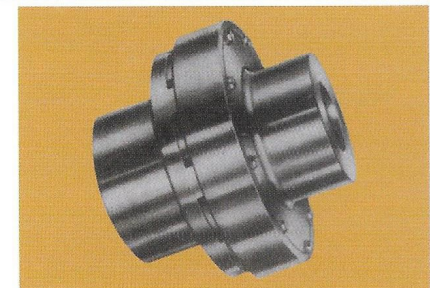


JAW-FLEX COUPLING

Individual free floating load cushions held in place by outside steel collar. Completely machined grey-iron castings. Easy to assemble & disassemble. Cushions can be easily inspected at any time.

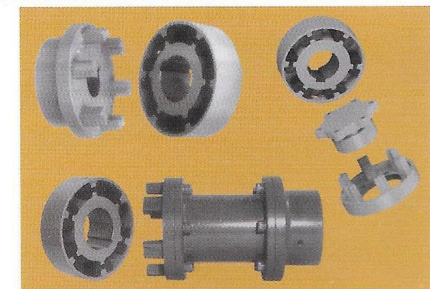
APPLICATIONS

For pumps in chemical industry, ideal for reciprocating pumps, diesel or gas engines, multiple generator sets and such heavy duty applications.



N-FLEX RN COUPLING

N-Flex couplings consists of graded cast iron hubs and a set of 'H' shaped highly resilient blocks which accommodates parallel, angular and axial misalignments & absorbs torsional vibrations. N-Flex spacer couplings (Type-RNS) are suitable for 'Back Pullout Pumps' in which the impeller can be disassembled without disturbing motor and pump from the base frame.



CHAIN COUPLING

- Easy to Assemble or Dis-assemble.
- All Teeth Hardened-hubs and bores.
- Remain soft to permit reworking.
- Positive yet flexible.
- Maximum Flexibility • Minimum Backlash
- Constant Power Transmission.
- Durable • Compact • Easy Off/On.

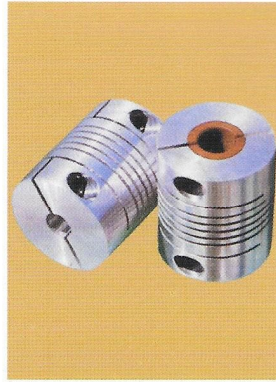


HELIFLEX COUPLINGS

The couplings as Spiral versions which are comparatively 'softer' in axial and angular movements.

The couplings transmit torque from one shaft to other shafts. They are flexible in lateral and angular movement but torsionally stiff in rotary motion.

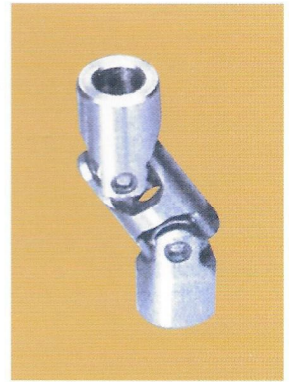
Materials : Aluminium, Brass, Steel
Mainly use for Encoders.



UNIVERSAL JOINTS COUPLINGS

These are manufactured from alloy steel with heat treated working parts, with and without finish bore as per customers requirement.

Available up to 8" OD and up to 4" shaft size and 2000 kgm torque.



HY-FLEX COUPLINGS

Torsionally soft coupling

An Industrial coupling having 'VARYING STIFFNESS CHARACTERISTIC'.

No need of lubrication

Versatility of application - can be used with SHAFT TO SHAFT or SHAFT TO FLANGE arrangement.



PIN & BUSH TYPE FLEXIBLE COUPLING

Simple & compact in construction the coupling is capable of transmitting high torques at maximum speeds. The flanges are manufactured with cast iron, grade 20 IS 210. This type of coupling permits drive in either direction & requires neither lubrication nor adjustment after fitting. The flexible bushes remain unaffected by water, dust & atmospheric condition.

Available in Ex-Stock OD - 3" to 24"

GEAR COUPLINGS

Full Flexible and Half Rigid, Half Flexible Gear Couplings in a range of 19 sizes can transmit torque upto 12,00,000 Nm and can accept shaft diameters upto 600 mm.



CURVED TOOTH GEAR COUPLING

One of the best known Universally movable Gear Coupling with curved tooth. Transmitting the torque through sleeve with internal teeth which is made from specially Nylon compound, hence excellent capacity to absorb shocks.

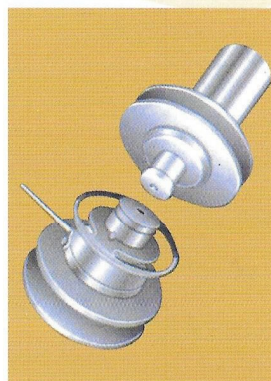
Identical forged hubs with external teeth. Simple in construction - quick, Easy Installation, No special tool required. Suitable in all application where importance is attached to a universally movable maintenance free shaft connection.



TAPER LOCK PULLEYS

Metric standard wide range of pulleys in over 300 standard sizes conforming to ISO recommendations with unique Taper Lock fixing advantage and dual duty grooves to accommodate both V-Belts and Wedge Belts of SPZ, A/SPA, B/SPB, C/SPC, sections.

Materials : Cast Iron, Grade 20 IS 210



VARIABLE SPEED PULLEY

It consist auto-manual pulley (Drive), spring loaded pulley (Driven), and variable speed belt. The variable speed drives are adjusted with speed control hand wheel. This is suitable up to 20 HP and maximum speed range of 1:6. It is economical and noiseless. Ex-stock in various H.P. We supply the complete system consisting variable speed pulley, reduction gear box, motor, variable speed belt and base plate duly assembled.

Material : Cast iron, Grade 20 IS 210.

TIMING BELT & PULLEY

Timing Belts constructed with gear like teeth to engage with matching grooves in the pulley, giving positive or perfectly synchronous speed drive, combining the flexibility of belt drive with the advantage of chain & gear drives. Available in XL, L, H, XH & XXH sections, Special Twin tooth belts, HTD belts and pulleys are available on requirements.

Material : Pulley - M.S., Aluminium, Cast Iron.



PULLEYS

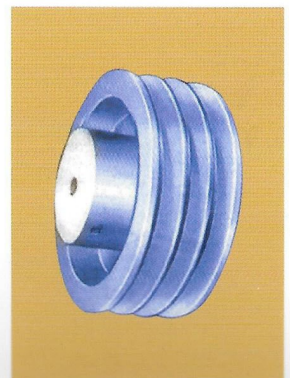
A) V-Belt Pulley

These are manufactured from C.I. up to 60", with or without taper lock bushes, Statistical and Dynamic balancing is done against request.

Available Ex-Stock in A,B,C & D Sections.

B) Flat Pulley

These are available Ex-Stock in C.I & M.S.



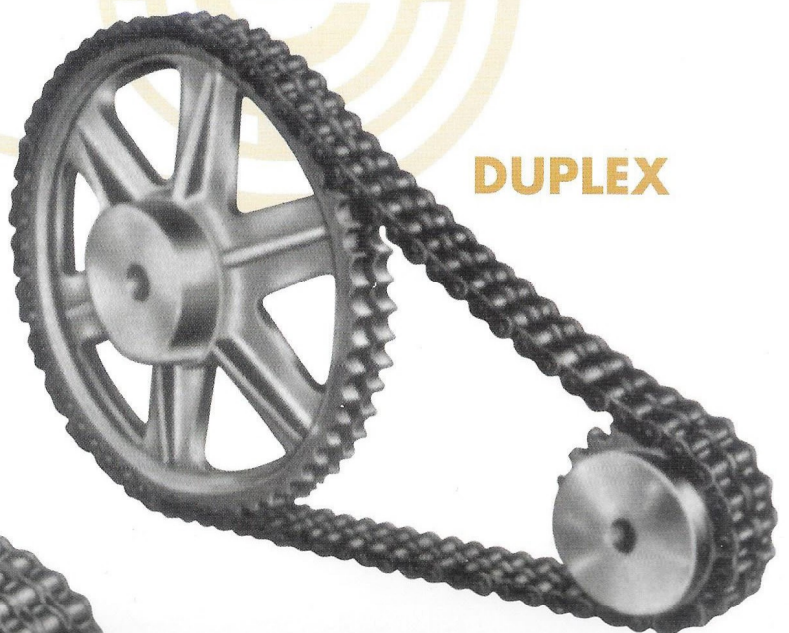
CHAIN & CHAIN SPROCKET



SIMPLEX



TRIPLEX



DUPLEX

TRANSMISSION ROLLER CHAIN

- a) Roller Chain
- b) Leaf Chain (Weight Lifting Chain)
- c) Stenter (Process) Machine Chain
- d) Flat Card Chain
- e) Conveyor Chain

CHAINS & OTHER PRODUCTS

- PIV Chains & Spares for PIV Gear Box
- Silent (Inverted Tooth) Chains
- Drag Chains
- Sprocket Wheels

