

## Jaw Type Couplings—USA Standard Elastomer-in-Compression

The Jaw Type couplings from Lovejoy are offered in the industry's largest variety of stock bore/keyway combinations. These couplings require no lubrication and provide highly reliable service for light, medium, and heavy duty electrical motor and internal combustion power transmission applications. Other features and benefits include:

- Fail-safe — will still perform if elastomer fails.
- No metal to metal contact.
- Resistant to oil, dirt, sand, moisture and grease.
- More than 850,000 combinations of bore sizes.
- Most types available from stock in 24 hours.

Applications include power transmission to industrial equipment such as pumps, gear boxes, compressors, blowers, mixers, and conveyors. Lovejoy's Jaw Type couplings are available in 24 sizes from a minimum torque rating of 3.5 in-lbs to a maximum torque rating of 170,004 in-lbs and a bore range of .125 inches to 7 inches. Lovejoy's standard bore program covers AGMA, SAE, and DIN bore/keyway and spline bore combinations.

The Lovejoy Jaw Type coupling is available in a variety of metal hub and insert materials. Hubs are offered in sintered metal, aluminum, bronze, steel, stainless steel, and ductile iron.

### L Type

This coupling offers standard shaft-to-shaft connection for general industrial duty applications. Standard L type coupling hub materials are either sintered iron (L035 - L150) or cast iron (L190 - L276).

### LC Type

This is the basic L coupling, except the insert is a snap wrap elastomer with retaining collar. Designed for easy elastomer replacement without disturbing the hubs, this coupling type is suited for applications over 1750 RPM.

### AL Type

The aluminum construction means this coupling is light weight with low overhung load and low inertia. The AL type also offers excellent resistance to atmospheric conditions, so it is perfect for corrosive environment applications.

### SS Type

New SS type stainless steel hubs available for applications needing maximum protection against harsh environmental conditions. Sizes SS075-SS150 available from stock. Other sizes available on request.

### RRS Type

The center "drop out" section of this coupling provides proper shaft separation while also allowing easy elastomer installation without disturbing the hubs or requiring realignment of shafts. Designed for the pump industry, it accommodates American and European industry standard pump/motor shaft separations. The drop out spacer is made of glass reinforced plastic, cast iron or aluminum.

### SW Type

This coupling is the standard L Type with a snap wrap elastomer with retaining ring. It is well suited for standard shaft-to-shaft connection in general industrial purpose applications under 1750 RPM.

### C & H Types

These couplings provide standard shaft-to-shaft connection for medium (C) and heavy (H) duty range applications. The standard C coupling hub is made of cast iron, while the H is constructed of ductile iron.



L COUPLING



LC COUPLING



AL COUPLING



SS COUPLING



RRS COUPLING



SW COUPLING



C & H COUPLINGS

The new Jaw In-Shear coupling is presented in the next section of this catalog, labeled "JIS" on the page tabs