

# RANGE OF COUPLINGS FOR STANDARD AND SPECIAL APPLICATIONS FROM LIKA ELECTRONIC

Lika Electronic offers a wide selection of couplings suitable for a variety of automation sectors and especially for encoders, general-purpose motors, servomotors, stepping motors, and actuators. They are available in several coupling designs (high-gain rubber, all-metal, flexible, rigid, disc, Oldham type, etc.) and mechanical features (sizes, bore diameters, materials, treatments, etc.) to accommodate different degrees of torque, misalignment, load, precision, and environmental work conditions. The catalog also includes a rich choice of couplings for special and unique applications.

## Couplings for encoders

Encoders require flexible couplings to preserve their counting accuracy. They must be able to absorb misalignments and mechanical loads and protect the shafts and the bearings from damage. Double-loop (such as the best selling PGF), Oldham (MOL, MOR), metal spring (MST), and Bellow (MFB) type couplings are perfect for such an application.

## Couplings for standard motors

Robust couplings, capable of absorbing vibration and providing greater stiffness,

are best suited for motors. MOM Oldham type couplings are equipped with a metal spacer for increased fatigue resistance, torsional rigidity, and higher torque values.

## Couplings for servomotors and stepping motors

High-gain rubber type couplings allow greater servomotor gain, enable the reduction of stabilization time, and suppress vibrations. Their vibration-damping capability enables them to work with higher servomotor speed response frequencies, higher gains, and shorter tact times. XGT and XGS couplings are the perfect match with servomotors, stepping motors, and demanding performance applications.

## Rigid couplings

XRP, MRG, MLR, and MJ are rigid couplings designed to provide the highest precision and torsional stiffness through stringent values of coaxiality, bore diameter tolerance, and radial runout. Specific models can be used as a joint to extend the shaft and in applications that require high torque and reasonable alignment, such as power transmission applications.

## Special couplings

The range includes special couplings designed for individual and specialized applications, such as electronics and semiconductor industries:

- Couplings made of chemically resistant superior materials;
- Couplings offering cleanroom washing and cleanroom packaging (up to ISO Class 7 cleanroom), available for direct use in cleanroom environments;
- Couplings designed for use with high temperatures, they ensure low thermal expansion, elongation, and deflection;
- Couplings made of special materials preventing outgassing conditions and chemical contamination for use in vacuum environments;
- Electrically insulated couplings designed to preserve the connected equipment from damages due to eddy currents.

Couplings for encoders and a variety of couplings for motors are readily available in stock.

For complete technical information on Lika Electronic's range of couplings, please [download the catalog](#)

