



iraundi
SPECIAL BEARINGS

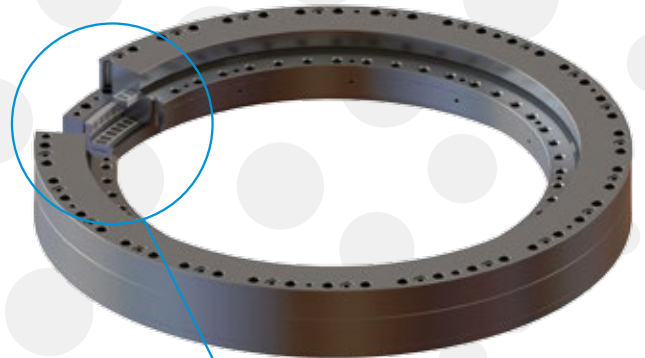
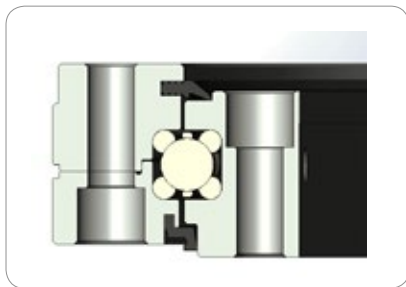
WIRE BEARINGS

■ APPLICATIONS IN DEFENCE EQUIPMENT

IRAUNDI wire bearings were originally used in military and aerospace sectors -in turrets and satellites- where space, weight and resistance to corrosion are prime factors.

These bearings are typically produced using aluminium rings and steel rolling elements including wires. They are 60-70% lighter than similarly sized, normal bearings.

Nowadays, IRAUNDI wire bearings may also be used in turntables, radars, antennas and machine tool applications.



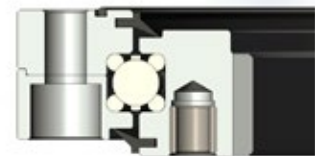
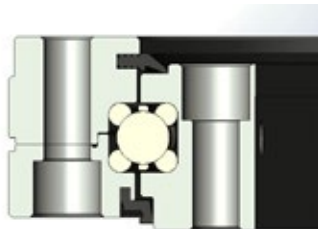
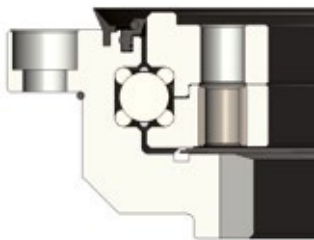
A light alloy IRAUNDI wire bearing can be made corrosion-proof and maintenance-free by using appropriate materials for the rings and rolling elements. Further, the corrosion behaviour of the aluminium bearing rings can be improved by surface treatment using the anodizing process.

The high load capacity of IRAUNDI wire bearings is comparable to the steel bearings, because aluminium rings are made of aluminium alloy of high mechanical strength. Low modulus of elasticity (high elasticity) is important to absorb shock loads much more smoothly than steel bearings.

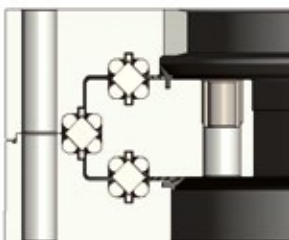
IRAUNDI wire bearings are designed and made to measure for every application. That means that every bearing can be designed according to the customer's structure and specification.

■ DESIGN TYPES CONFIGURATIONS

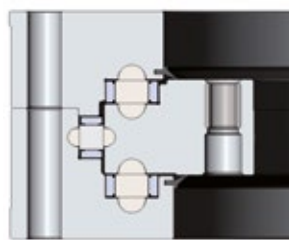
• Ball wire raceway bearing



• Three row crossed roller wire raceway bearing



• Three row roller wire raceway bearing



• Crossed roller wire raceway bearing

