

STEEL HYBRID FRAS ROLLER

127Ø, 152Ø

Specifically manufactured for underground coal mining applications, the Steel Hybrid FRAS roller range combines a steel shell and the CPS FRAS approved Composite Bearing Housing technology.



Benefits

- Multi Labyrinth sealing and sealed for life bearings
- Fixed Face flinger eliminating roller jams
- Belt-friendly, no 'pizza cutter' slicing belts
- Superior to conventional steel rollers in fire safety performance
- FRAS approved and safe for all underground coal operations
- Available in machined and balanced low noise options
- Galvanised shell and FRAS rubber lagged options available

Material Data

| Property | Nominal Value | Applicable Standards |
|------------------|---------------|------------------------|
| Tensile Strength | 45 ±5 MPa | AS 1683.11 / DIN 53504 |
| Elongation | 450-600 % | AS 1683.11 / DIN 53504 |
| Hardness | 85 ±5 Shore A | AS 1683.15 / DIN 53505 |
| Abrasion Loss | 10-20 mm3 | AS 1683.21 / DIN 53516 |



A quality assured company

Applications

The Steel Hybrid FRAS roller is approved for use in coal underground operations. The FRAS roller provides the benefit of the belt-friendly, optimal performing sealing arrangement, in conjunction with a traditional steel shell.

Ideally suited to high moisture or dusty applications where bearing sealing performance is paramount, the design aims to increase roller life, and reduce downtime and belt damage.

Also available as a hot-dipped galvanised shell and/or hot-vulcanised FRAS rubber lagged for special applications.

A full information package for this product is available on request, including FRAS testing reports for the composite bearing housing. Please speak to your local CPS representative.

Available Diameters & Bearing Sizes

| BRG | 127 | 152 |
|------|-----|-----|
| 6305 | ✓ | ✓ |
| 6308 | | ✓ |