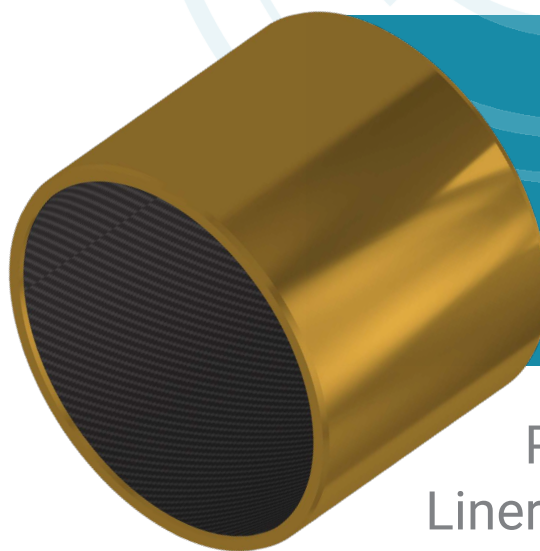
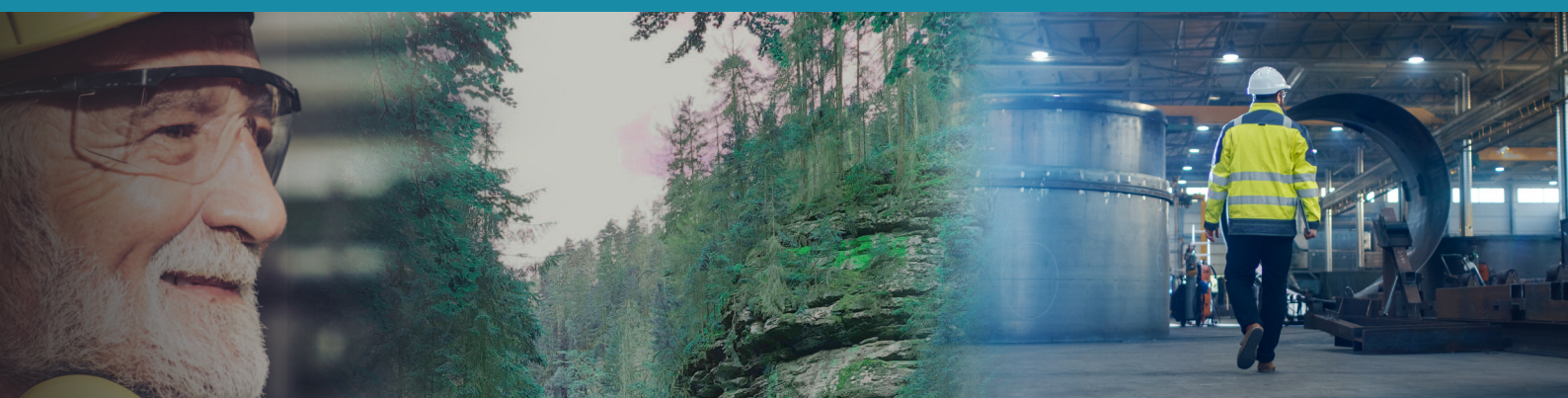


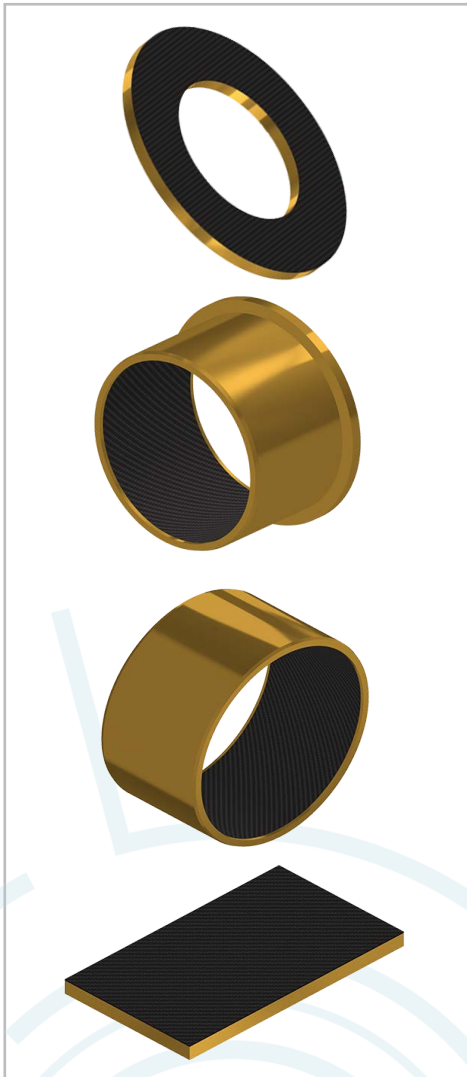


# DATASHEET HOWA-FAB-X



PTFE Fabric  
Liner on Various  
Material  
Backings





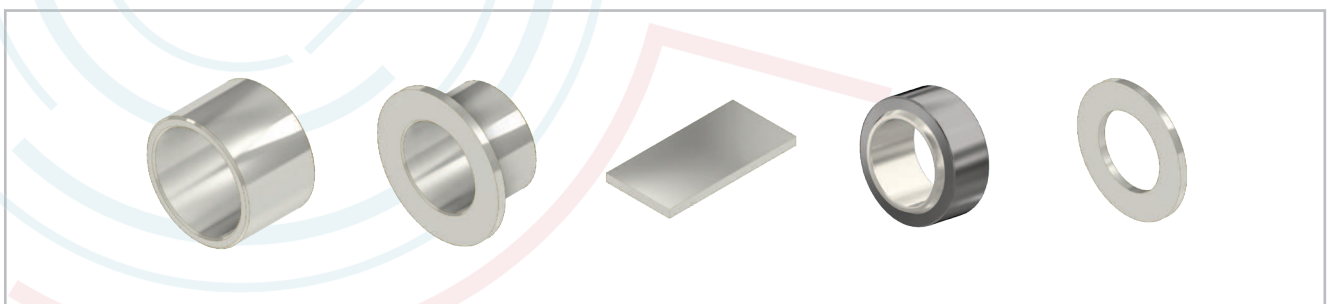
## FEATURES

- Ultra Low-Friction, High Strength Bearing with PTFE Fabric Sliding Layer
- Small Running Clearance and Excellent Damping Abilities, Ideal for Highest Precision Needs
- No Stick-Slip and High Wear-Resistant
- Suitable to Operate in Most Chemicals

## TYPICAL INDUSTRIES

- Hydroelectric Turbines
- Hydromechanical
- Civil Engineering
- Water Controlling Devices
- Cranes and Lifting Equipment
- General Machine Construction

## AVAILABLE GEOMETRIES



## BEARING PARAMETERS

| HOWA Code | Backing Material | Load Capacity Dynamic | Load Capacity Static (1) | Coefficient of Friction | Temperature Strain |         | Max. Sliding Speed | Application                                     |
|-----------|------------------|-----------------------|--------------------------|-------------------------|--------------------|---------|--------------------|-------------------------------------------------|
|           |                  | N/mm²                 | N/mm²                    | dry                     | min. °C            | max. °C | m/s                |                                                 |
| X-B       | Bronze           | 180                   | 250                      | 0.03-0.06               | -50                | 150     | 0.15               | Moist and Wet Environments, Small Misalignments |
| X-S       | Mild Steel       | 180                   | 280                      | 0.03-0.06               | -50                | 150     | 0.15               | Dry Environment                                 |
| X-N       | Stainless Steel  | 200                   | 300                      | 0.03-0.06               | -50                | 150     | 0.15               | Presence of Chemicals or Sea-water              |

(1) The static load carrying capacity is determined by the strength of the backing material. Higher load carrying capacity of up to 500 N/mm² can be achieved if higher strength support backing materials are selected

## MATING COMPONENTS

|                     |                                |                                                                                                              |
|---------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Housing Bore</b> | Tolerance                      | H7                                                                                                           |
| <b>Shaft</b>        | Tolerance                      | e7 (but others permitted due to flexibility during bearing machining)                                        |
|                     | Hardness                       | > HB180 for light load applications, > HB250 for high load applications                                      |
|                     | Surface Roughness, recommended | Ra 0.8 - 1.6                                                                                                 |
|                     | Material                       | Corrosive Environments: 1.4404 (316L), 1.4057, 1.4462<br>Normal environments: 1.0503 (C45), 1.7225 (42CrMo4) |