BGL®

SINCE 1957

CERTIFIED ISO 9001 COMPANY

Reference in Sleeves for Bearings

PRODUCT PORTFOLIO

BGL is a traditional manufacturer of bearing accessories since 1957 and a market leader in adapter Sleeves for bearings. It supplies major OEMs (Original Equipment Manufacturers) and has a network of distributors throughout Brazil and several other countries abroad.

MARKET SEGMENTS

Present in various industrial sectors: mining, pulp and paper, agricultural machinery and equipment, wind power, oil & gas, among much others.

QUALITY ASSURANCE

Excellence ensured by **ISO 9001** certification and internationally recognized, with exports to more than 70 countries.

GENUINE BGL PARTS

All BGL parts and tools come laser-marked with the BGL logo, part code, and lot number. This ensures traceability, easy identification, and guarantees authenticity as original BGL parts.

ADAPTER SLEEVES

H, HE, HA, HS, SNW, SNP

Used to mount tapered bore bearings onto a plain shaft (maximum tolerance H10), without a shaft shoulder. It consists of three parts: the Sleeve, a Lock Nut, and a Lock Washer or MS Locking Device. **Always supplied as a complete set**.

HYDRAULIC ADAPTER SLEEVES

OH, OHE, OHA, OHS, OSNW, OSNP

With the same dimensions as standard Sleeves, these are **recommended for shafts from 140 mm** (bearings from 160 mm bore). They feature oil injection grooves on the outside (inside upon request), making assembly and especially disassembly easier.

WITHDRAWAL SLEEVES

AH, AHX, AH_G, AHX_G, SK, ASK

Used to mount tapered bore bearings on stepped shafts. The shaft must be threaded so that the Nut can push the Sleeve against the bearing. Supplied separately; accessories **(Nut and Washer) must be ordered, if necessary**.

HYDRAULIC WITHDRAWAL SLEEVES

AOH, AOHX, AOH_G, AOHX_G, OSK

With the same dimensions as standard Sleeves, these are **recommended for shafts from 150 mm** (bearings from 160 mm bore). They include internal and external oil injection grooves to facilitate assembly and disassembly.

SLEEVE RANGE

Shaft diameter from 17 mm to 1.400 mm

* Special sizes can be manufactured upon request.

LOCK WASHERS

MB, MBL, MB_A, W, AW

An **accessory** for Sleeves, but also has standalone use. Its function is to secure the Nuts (KM, KML, AN, N, TAN), **prevent it from loosening from the Sleeve or shaft**.

LOCKING DEVICES

MS, P

An **accessory** for Sleeves, but also has standalone use. Its function is to secure the Nuts (HM, SNP), **prevent it from loosening from the Sleeve or shaft**.

LOCK NUTS

KM, KML, HM, HML, HML_T, HMLL_T, HM_T, HME, TAN, AN, N, RN, KMFE, HMZ

They are accessories used for mounting Sleeves, but they also have their own applications for the axial fixation of assemblies and components on shafts. Series **KM, N, AN, TAN, KML, and HMT** are secured using **MB/W** Lock Washers or **MS** Locking Device. Series **KMFE and HMZ** feature an integrated locking screw, eliminating the need for a lock washer and keyway on the shaft, thereby providing more precise and secure fastening of bearings on cylindrical or tapered shafts.

LOCK NUT RANGE

Thread M10 x 0.75 to TR 1.320 x 8

* We manufacture with threads in millimeters or inches.

ADJUSTING NUTS

KMP, ZM, NSA (MSR), AM

Used to lock mechanical assemblies in the exact desired position. Tightening is done through screws on the face of the Nut, ensuring quick, safe, and precise assembly, **without additional elements** like keyways or Lock Washers.

SELF-LOCKING NUTS

GUK

GUK Nuts feature a polyamide ring locking system that prevents them from loosening unintentionally. This provides **safer fastening** in vibration or motion environments, ensuring greater **safety and stability** in various applications.

PRECISION NUTS

KMT, KMTA

Used to lock bearings in **machinery and equipment that require precision:** general-purpose spindles, lathes, grinding machines, milling machines, among others. These Nuts are locked onto the shaft using 3 angularly spaced brass pins that are pressed against the shaft by screws. The pins match the thread angle, preventing axial load on the Nut and allowing locking at the **exact tightening position**.

* Runout = 0.005 mm (5 µm)

HYDRAULIC PUMPS

Analog Pressure Gauge
BH 100-0.7, BH 160, BH 160-4.8

Digital Pressure Gauge
BH 100-0.7D, BH 160D, BH 160-4.8D

Hydraulic **tools** that transfer oil from the reservoir to the connected equipment. The generated pressure **allows very heavy parts to be moved easily**. Hydraulic Pumps are recommended for use with Hydraulic Sleeves and HMV Nuts, **assisting both in assembly and especially disassembly**. With Sleeves, they inject oil into the grooves. With Hydraulic Nuts, they move the piston to push or remove the assembly (Rearing/Sleeve).

HYDRAULIC NUTS

HMV_E, HMVC_E, HMV_E/A, HMVF

Tools used to assist in mounting and dismounting tapered bore bearings onto Sleeves or shafts. **They make the job easier and eliminate impacts during assembly**, which helps extend the lifespan of the mounted unit. **Use the Hydraulic Pump to do the heavy-duty work**, shortening assembly and disassembly time compared to traditional hammer-and-wrench methods.

DIAL INDICATOR KIT WITH EXTENSIONS RODS

RCA (Analog), RCD (Digital)

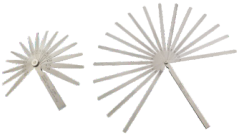
Allow precise measurement of axial displacement of Hydraulic Nuts HMV 10E (50 mm) up to HMV 236E (1.180 mm). Available in analog or digital versions, supplied with 4 extensions, contact tip, and carrying case.

HOOK SPANNERS | HN, HND

Tool used to tighten Nuts with slots on their outer diameter. Ensures proper Sleeve and Nut assembly, avoiding the need for hammer and chisel blows, which are a major cause of reduced bearing service life.

EXTENSION TUBES | TE

High-pressure tubes with 1/4" BSP female coupler and male threads (M4, M6, M8, G1/8", G1/14"). Long, narrow, and suitable for connecting the thin walls of Hydraulic Sleeves to the Hydraulic Pump.



FEELER GAUGES | CL 100, CL 300

Designed to **measure internal clearance during the adjustment of spherical roller bearings**. There are 17 blades from 0.02 - 1.00 mm.

TRAINING KIT | KIT TR

The TR Training Kit gathers multiple parts into one case for operational training. **It allows hands-on experiments for mounting and dismounting tapered bore bearings** using Adapter or Withdrawal Sleeves.

CONTACT YOUR DISTRIBUTOR

2026/02 Release

TECHNICAL INFORMATION

www.bgl.com.br/en | **Engineering Application** section.

PACKAGING

Parts are packed in flexible and anti-rust, milky plastic film **with printed assembly instructions**.

Quality • Accuracy • Agility • Tradition • Ethics

BGL®
Sleeves for Bearings
Since **1957** • ISO **9001**

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