

Sleeves



Sleeves with Gripping Ring
Sleeves with Ribs

Spherical Ground Joint Sleeves



BOLA-Spherical Ground Joint Sleeves

Made of fluoroplastic. For gastight, liquid-tight and vacuum-tight spherical ground joint connections. The outer reinforced ribs of the spherical ground joint sleeve provide high vacuum-tight sealing (leak rate: $< 1 \times 10^{-2}$ mbar \times l \times s $^{-1}$). The gripping ring jutting over the rim assures very easy removal of the spherical ground joint sleeve and makes it reusable. No grease is required. The available spherical ground joint clamps made of steel can also be used with our spherical ground joint sleeves due to their compatible construction. The European sizes with Cat.No. H 934-..., are based on Inch range and the American sizes with Cat.No. H 931-..., on metric range (in millimeters).

PTFE

chem.
++++250°
-200°

reusable

For
vacuum

Cat.No.	Size, S
H 934-02	13
H 934-04	19
H 934-06	29
H 934-08	35
H 934-12	40
H 934-16	51
H 934-18	64



Cat.No.	Size, KS
H 931-02	12
H 931-04	18
H 931-06	28
H 931-10	35
H 931-16	55



No grease required!

In former times it was necessary to grease standard ground joints for removal of the sleeve. At the use of higher temperatures or the corresponding solvents it happened that the grease liquefied and contaminated the sample. This problem is now solved by our BOLA Sleeves made of PTFE. They are resistant to virtually all chemicals and can be subjected to temperatures from -200°C to $+250^{\circ}\text{C}$. The excellent sliding qualities of the PTFE allow very easy removal of the sleeves from the glass joints at any time. Thus, the analysis is no longer contaminated by fatty residues.

BOLA-Sleeves with Ribs

Made of fluoroplastic. For gastight and liquid-tight standard ground joint connections; suitable for a vacuum up to 0,1 mbar. The outer ribs prevent sticking together of the standard ground joints, assure very easy removal of the sleeve with ribs and make it reusable. No grease is required.

PTFE

chem.
++++250°
-200°

reusable

For
vacuum
BESTSELLER

Cat.No.	Size, NS
H 930-01	7/16
H 930-02	10/19
H 930-03	12/21
H 930-04	14/23
H 930-05	19/26
H 930-06	24/29
H 930-07	29/32
H 930-08	34/35
H 930-09	40/38
H 930-10	45/40
H 930-11	50/42
H 930-12	55/44
H 930-13	60/46
H 930-14	71/51
H 930-15	85/55
H 930-16	100/60

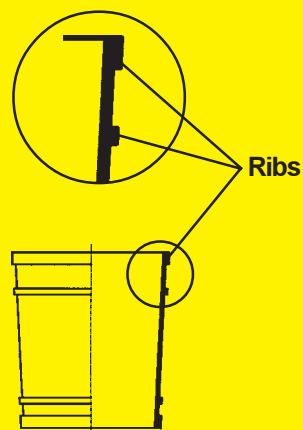


Cat. No.	Size
H 932-03	14/20
H 932-05	19/38
H 932-06	24/40
H 932-07	29/42
H 932-10	45/50



Reusable!

Sleeves, with or without gripping ring, are not disposables. Out of conviction we reject the use of disposables. Therefore our sleeves are made of a solid and reusable PTFE material. These sleeves with ribs and with gripping ring are sealed only by means of the outer rings – better called ribs – on the glass joints. This has several advantages: the force applied can be used better, the sleeves are sealed tighter and a better removal is assured than with plain sleeves.

**BOLA-Sleeves with Gripping Ring**

Made of fluoroplastic. For gastight, liquid-tight and vacuum-tight standard ground joint connections. The outer reinforced ribs of the standard ground joint sleeve provide high vacuum-tight sealing (leak rate: $< 1 \times 10^{-4}$ mbar x l x s⁻¹) and prevent sticking together of the standard ground joints. The gripping ring jutting over the rim assures very easy removal of the sleeve with gripping ring and makes it reusable. No grease is required.



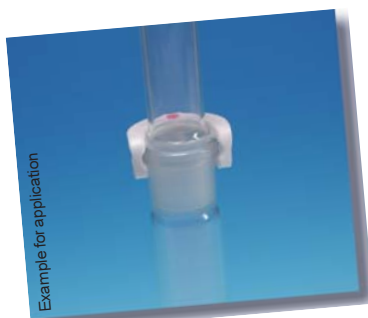
Cat.No.	Size, NS
H 933-01	10/19
H 933-02	12/21
H 933-03	14/23
H 933-04	19/26
H 933-05	24/29
H 933-06	29/32
H 933-07	34/35
H 933-09	45/40
H 933-10	50/42
H 933-11	55/44
H 933-12	60/46
H 933-13	71/51
H 933-14	85/55
H 933-15	100/60



Cat. No.	Size
H 935-01	14/20
H 935-03	19/22
H 935-04	19/38
H 935-05	24/40
H 935-06	29/42
H 935-07	34/45
H 935-09	45/50
H 935-11	55/50

**BOLA-Joint Clamps**

Made of fluoroplastic with steel spring core. For the connection of standard ground joints, especially for high ambient temperatures or highly aggressive products. Due to the metal-cladding with PTFE the medium does not get in touch with the steel spring core. Very good chemical resistance. A high recovery, even at high temperatures, is obtained by the steel spring core.



Cat. No.	For NS
H 942-14	14/23
H 942-19	19/26
H 942-32	29/32
H 942-45	45/40



Joint clamps for US-sizes are available upon request.



