



Excellence in your hands

NEW: DURAN® TORQUE WRENCH SOCKETS

FOR DURAN® GL 25, 32 AND 45 SCREW CAPS



PART OF THE DURAN® BOTTLE SYSTEM

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003 / 04-2021



DWK LIFE SCIENCES
DURAN WHEATON KIMBLE

NEW: DURAN® TORQUE WRENCH SOCKETS

FOR DURAN® GL 25, 32 AND 45 SCREW CAPS

Applying the correct closure torque to DURAN® caps is critical to achieving an effective seal. Therefore a range of eight specifically designed splined sockets that fit most of the DURAN® GL-threaded plastic closures have been developed.

FEATURES & BENEFITS

- Compliance – Enables **accurate closure** of DURAN® GL 25, 32 and 45 caps to the recommended torques
- **Ease of use** – **Cap thread size** and type is permanently **engraved** into the top surface
- Hygienic design – **Suitable for cleanroom use**
- Full traceability – **Engraved lot-specific code** for certification
- Convenient – Socket hole **fits “industry standard”** 1/4 inch wrench drive size
- Robust and recyclable – Machined from a **high strength Aluminium** alloy EN AW-7075
- High quality – **“Made in Germany”** components

APPLICATION AREAS

- Closing the GL threaded caps of DURAN® glass bottles to the correct torque
- Easier opening or closing of laboratory glass bottles using a wrench



CORRECT CLOSURE TORQUE

Torque is the rotational force applied during application or removal of a closure from a bottle. The correct application torque for a bottle cap is very important as it affects the sealing integrity. Over-tightening may cause some parts of the cap to be under more pressure than others, which could result in an improper seal. Alternatively, the container may leak or the closure could easily unscrew if too little torque is used. When the correct torque is applied, it will provide sealing integrity under the specified temperature, humidity, and loading conditions.

APPLICATION TORQUES

| Thread Size | Cap Colour | Material | Name | Seal Type | Screw Cap Cat. No. | Minimum Application Torque Nm* |
|-------------|---------------------------------|----------------------------------|----------------------------|------------|--|--------------------------------|
| GL 25 | Blue | PP (Polypropylene) | Original Screw Cap | Liner less | 29 239 13 07 | 1.9 |
| GL 25 | Red | PBT (Polybutylene Terephthalate) | High Temperature Screw Cap | Cap liner | 29 240 13 05 | 1.9 |
| GL 25 | Uncoloured | PFA (Perfluoro-alkoxyalkane) | Premium Screw Cap | Cap liner | 11 296 00 | 1.0 |
| GL 32 | Blue | PP (Polypropylene) | Original Screw Cap | Liner less | 29 239 19 07 | 1.9 |
| GL 32 | Red | PBT (Polybutylene Terephthalate) | High Temperature Screw Cap | Cap liner | 29 240 19 05 | 2.0 |
| GL 45 | Blue Yellow Green Grey | PP (Polypropylene) | Original Screw Cap | Liner less | 29 239 28 09 29 338 28 02 29 338 28 68 29 338 28 84 | 2.9 |
| GL 45 | Red | PBT (Polybutylene Terephthalate) | High Temperature Screw Cap | Cap liner | 29 240 28 07 | 3.4 |
| GL 45 | Uncoloured | PFA (Perfluoro-alkoxyalkane) | Premium Screw Cap | Cap liner | 10 886 79 | 3.2 |

*Reference: BFSV Verpackungsinstitut Packaging Test Report No. 4085A-19
To ensure safe usage, customers are advised to test DURAN® bottles and closures under the conditions of the intended application.
Note: Torque wrench is not supplied. Recommended torque wrench specification: Drive Size: 1/4 in. Torque range: 0 - 9 Nm (such as Motion Industries CDI 751LDIN)

ORDERING INFORMATION

| Description | Material | Pack Unit | Cat. No. |
|---|-----------|-----------|--------------|
| Torque wrench socket / fitting for DURAN® GL 25 PP Cap | Aluminium | 1 | 29 233 13 01 |
| Torque wrench socket / fitting for DURAN® GL 25 PBT Cap | Aluminium | 1 | 29 233 13 26 |
| Torque wrench socket / fitting for DURAN® GL 25 PREMIUM Cap | Aluminium | 1 | 29 233 13 42 |
| Torque wrench socket / fitting for DURAN® GL 32 PP Cap | Aluminium | 1 | 29 233 19 01 |
| Torque wrench socket / fitting for DURAN® GL 32 PBT Cap | Aluminium | 1 | 29 233 19 26 |
| Torque wrench socket / fitting for DURAN® GL 45 PP Cap | Aluminium | 1 | 29 233 28 03 |
| Torque wrench socket / fitting for DURAN® GL 45 PBT Cap | Aluminium | 1 | 29 233 28 44 |
| Torque wrench socket / fitting for DURAN® GL 45 PREMIUM Cap | Aluminium | 1 | 29 233 28 28 |

Discover our wide range of borosilicate glass 3.3 laboratory bottles in different sizes, with closures, liquid transfer caps and accessories.

Explore more:
www.duran-bottle-system.com