

Technical Specification

Model:

GD 30x60 R312

Mainly suitable for:

Sparkling beverages and drinks with hot filling

Section 1: Characteristics

Dimensions	Units	Ref. Values
Height above bottle's neck finish	mm	~2
Height of closure	mm	60.0±0.2
Max diameter of closure (<i>not included ovalization</i>)	mm	29.8±0.2
Total height above the perforation	mm	17.0±0.2

Above dimensions ensure the functionality of the cap. Anyway, slight tolerance variations may not influence the cap's proper working.

Type of neck finish:	External: GME 30.13	Internal (if any):
Functionality	Units	Ref. Values / Notes
Minimum empty head space of the bottle ⁽¹⁾	Volume	4%
Max vertical load per bottle during storage	kg	N/A
Opening torque ⁽²⁾		
Slip torque (disengagement of sealing area from glass surface)	lbs/inch	8 – 16
Break torque (break of bridges)	lbs/inch	8 – 16
Tamper Evident behaviour	-	breakage of the bridges
Pouring rate (with whisky, per 1 litre)	s/l	N/A

⁽¹⁾: Empty space is calculated considering a Delta Temperature from 16 to 40°C. In case of bottled products the technical specifications set for herein are valid as far as the functionality of the closures is not affected nor impaired by external conditions and/or the increase of volumes of the content, which have to be considered in handling, transporting and stocking the products. Customer must ensure that free head space is enough to compensate liquid expansion according to the handling and storage of his bottled product (container, temperature, etc. ...). After filling and application of caps, bottles have to be, always, maintained on vertical position.

⁽²⁾: Referred to dry glass bottles. 95% of the measured values has to be within the above indicated "normal opening range (min ÷ max)"; extreme value: 20% over the "max normal opening range". Opening torque could be subjected to decreasing during time.

Section 2: Components' list

Closure components	Raw material
Alu shell	Aluminum 8011; Internal Lacquer: polyester BPA-NIA
Liner	R312 , LDPE

All closure's raw plastic materials (or liner) intended to come into contact with the bottled product are suitable to be used with foodstuffs.

These materials are compliant with applicable regulation of Italy (D.M.), EU (EC Directives), USA (FDA) in force at this document's date. Compliance with the rule applicable in the destination country have to be certified by the production plant according to the interested rules.

All production processes follow proper GMP to ensure quality and cleaning of our finished product and the relevant management system has been developed and third party certified according to ISO 22000 Standard (or equivalent) and according to ISO 9001 Standard.

This document (Technical Specifications) describes expected use, main characteristics, packaging and storage conditions of our closures. Unless otherwise agreed Elit-Impex General Supply Specifications are applied. Elit-Impex reserves the right to modify the information here reported.

Section 3: Capping Systems

Page 2/3

Values indicated below are Elit-Impex guidelines. Customer might adjust capping machine settings to produce a satisfactory application. Closures must be handled in the best possible condition, minimizing any drop height and avoiding tumbling and rolling. If the closures are kept at low temperatures during transports, handling and storage, it is compulsory to leave them at room temperature, before using them on the bottling line; this in order to have the closure temperature not lower than +18°C during bottling.

Dispensing of closures:

N/A			
Capping system:	Roll On		Cappinghead top load (kg):
			glass bottle: 180 - 200 kg
Pressure block:	Diameter (mm)	Profile, shape or redraw	
	27.5	redraw: 2.0 mm	
Thread rollers:	Radius (mm)	Side pressure (kg)	
	0.8	8 - 10	
Tuck-under rollers:	Radius (mm)	Step (mm)	Side pressure (kg)
	0.9	1.35	9 - 11

Additional notes:

Different parameters are applicable if they don't compromise the functionality of the closures.

Section 4: Packing and Shipment

☒ Box	External dimensions (mm)	610 x 415 x 295	
☐ Octabin	Number of pieces	950	
	Gross weight (kg)	TBD	
Pallet	Pallet dimension (mm)	1000	x 1200
	Number of octabin TOT	40 (5 boxes x liner)	
	Gross weight (kg)	TBD	

Storage: Elit-Impex recommend that pallets are not stored double stacked. It is the Customer's responsibility to stack pallets with no risk to people and/or products.

Closures must be stored in rooms where not exposed to UV light and contamination, with relative humidity max 75% and temperature range from 4°C to 30°C; it is recommended to ensure that temperature of the closures prior to application is between 18 ÷ 30°C.

The Customer commits to maintain a proper rotation of the stored goods applying a F.I.F.O. system according to production batches and to have the full traceability for each Elit-Impex pallet or octabin.

Closures may be stored for up to 12 months from the date of production.

Notes: Any damage due to the transport must be reported on the transport documents otherwise the claim cannot be accepted.
After 90 days from the delivery date, if no negative feedback is received, the batch is considered accepted by the Customer.

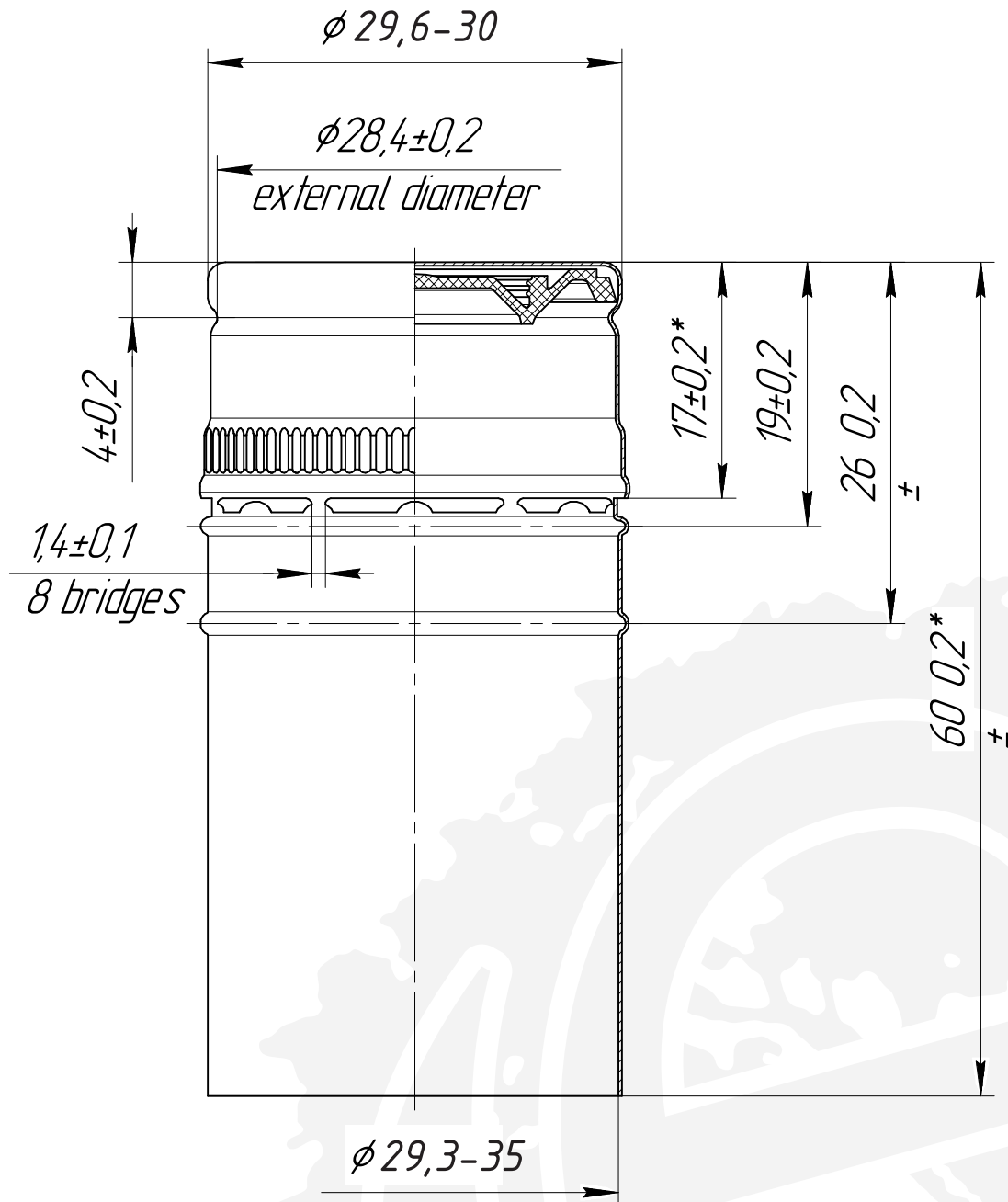
Packaging and Recycling, information on the dual system

Finished Product:	- 4,44 g +/-10%
Liner R312	- 0,77 g +/-10%
Aluminium shell:	- 3,67 g +/-10%

This document (Technical Specifications) describes expected use, main characteristics, packaging and storage conditions of our closures. Unless otherwise agreed Elit-Impex General Supply Specifications are applied. Elit-Impex reserves the right to modify the information here reported.



GD 30x60 R312



Customer acknowledgment
Signature _____