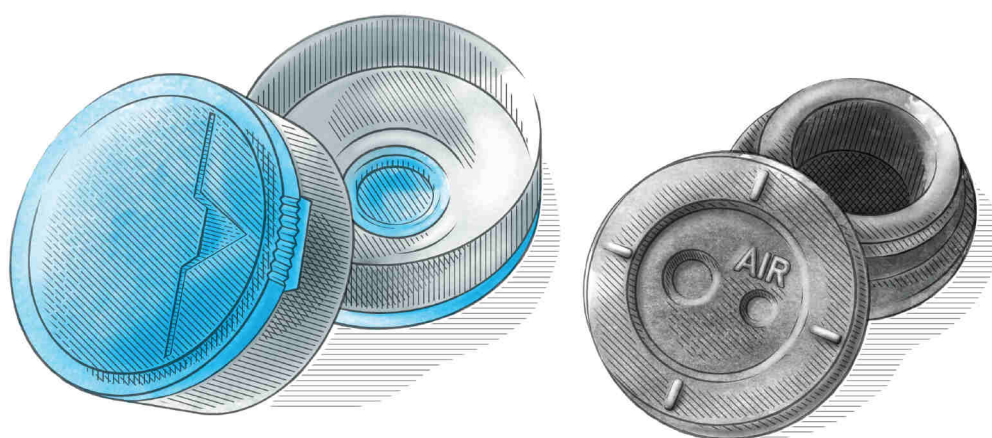


CATALOGUE



GCL Pharma

Guala Closures Group

Production of packaging for pharmaceutical industry

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www.gclpharma.it
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DESCRIPTION:

GCL Pharma Srl, formerly Pharma Trade Srl until 31/12/2017, an Italian company **of the Guala Closures Group (27 plants and 4.000 employees)**, projects and manufactures primary and secondary packaging (rubber stoppers, Flip-Top closures, Aluminum closures, ROPP closures, vials and other various articles) for the pharmaceutical industry.

GCL Pharma policy permits the opportunity to work and co-operate with the most important pharmaceutical industries in the world. GCL Pharma continuously innovates its products and services and finds fast, flexible and low-cost solutions in product development processes so to generate a real impact on the client and on the company results.



CERTIFICATES:

Manufacturing practices

ISO 15378 and ISO 9001 production environment
Full product traceability
Active protection systems against particles contamination
Continuous Quality improvement approach

Quality management system

GMP training of personnel
ISO 9001 and ISO 15378 certifications
ISO 14001 Environmental management systems

Regulatory support

Compliance with European Pharmacopeia
and international product guidelines
DMF available upon request for US and Canada for F.O. Caps.



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Stoppers

- Standard Chloro Bromo-Butyl
- Lyo Chloro Bromo-Butyl



Flip-Top Closures

- Central Tear-Off
- Total Tear-Off



Aluminium Closures

- Central Tear-Off



ROPP

- ROPP Closures



Pet Bottle

- Ring Neck
- Screw Neck



GCL Pharma

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PRODUCTS

Stoppers (Standards)



GCL Pharma has a wide range of rubber stoppers for pharmaceutical applications. The rubber stoppers are of the highest quality level and are produced under secured and certified process conditions in accordance with the applicable guidelines. In the standard range, you will find the most common models of stoppers for injection vials and infusion vials.

These products are supplied at the highest quality levels, and may be provided in a **RFS** (Ready for Sterilization) or **RTU** (Ready to Use).

Stoppers are available in red and grey colour.

Stoppers (Standards)



Vial neck	Code	D	H1	H2
13	PH 603	7,50	2,10	7,30

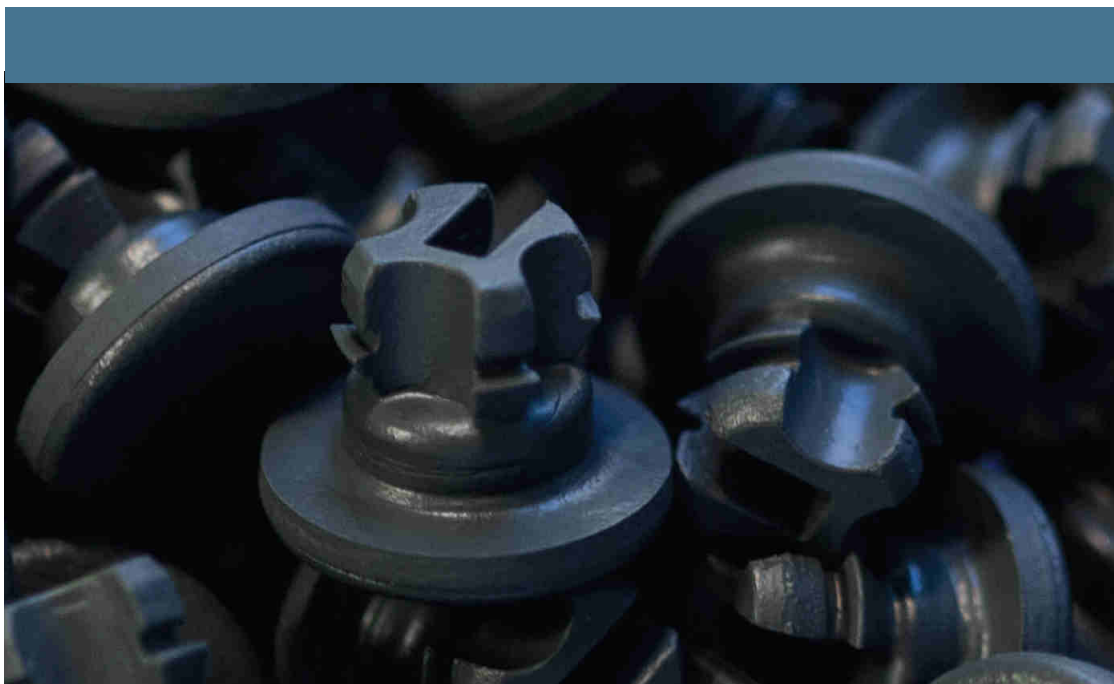
Vial neck	Code	D	H1	H2
20	2/C	13,20	3,00	8,50
20	2/I	13,20	3,30	8,80

Vial neck	Code	D	H1	H2
28	PH 606	20,60	3,40	10,80

Vial neck	Code	D	H1	H2
29	PH 604	18,00	3,80	11,60

Vial neck	Code	D	H1	H2
32	PH 607	23,60	4,00	12,20

Stoppers (Lyo)



Our lyophilization stoppers are a high-quality primary packaging solution for lyophilization applications. The lyophilization stoppers are of the highest quality level and are produced under secured and certified process conditions in accordance with the applicable guidelines.

The stoppers are packed according to customer specifications and are available **RFS** (Ready for Sterilization) or **RTU** (Ready to Use).

Stoppers are available in red and grey colour.

Stoppers (Lyo)



Vial neck	Code	D	H1	H2
13	408 Bis	7,50	2,00	9,90

Vial neck	Code	D	H1	H2
20	55 Bis	13,50	3,20	13,80
20	PH 602/1	13,50	3,40	14,20

— D. 13-20 Flip-Top Central Tear-Off Closures —



This range of closures is suitable for sealing single-dose and small bottles of medicine which are used with needle and are the most popular on the market. The closures are produced under controlled conditions. During the procedure, the closures are inspected using in-line inspection systems in order to guarantee an optimal product quality.

The single-dose packs or bottles are opened by removing off the plastic part, which reveals the underlying elastomer enabling the product to be extracted by a needle. The plastic part is removed by slipping it off or by breaking the bridges of the underlying aluminium cap. This gives the cap a high guarantee of safety because the seal breakage makes the product tamper-proof.

This range also includes Ann Twist Caps, which open easily by turning round the plastic part. They preserve the sterility (by exposing products to saturated steam at high temperatures 121°C) of the rubber stopper until the time of opening.

D. 13-20 Flip-Top Central Tear-Off Closures



Vial neck	Code	D	H1	H2	Note
13	PH 571	13,35	7,50	6,50	

Vial neck	Code	D	H1	H2	Note
20	PH 503	20,20	8,50	7,40	With Edge

Vial neck	Code	D	H1	H2	Note
20	PH 505	20,20	8,80	7,40	With Edge

Vial neck	Code	D	H1	H2	Note
20	PH 544	20,30	9,70	7,50	Small head

Vial neck	Code	D	H1	H2	Note
20	162	20,20	7,50	8,70	Ann Twist

— D. 28-32 Flip-Top Central Tear-Off Closures —



Closures are a crucial part of a vial system. The selection of an appropriate closures is critical to ensuring container closure integrity, drug protection, user convenience and safety. During the procedure, the closures are inspected using in-line inspection systems in order to guarantee an optimal product quality.

The single-dose packs or bottles are opened by removing off the plastic part, which reveals the underlying elastomer enabling the product to be extracted by a needle. The plastic part is removed by slipping it off or by breaking the bridges of the underlying aluminium cap. This gives the cap a high guarantee of safety because the seal breakage makes the product tamper-proof.

This range also includes Ann Twist Caps, which open easily by turning round the plastic part. They preserve the sterility (by exposing products to saturated steam at high temperatures 121°C) of the rubber stopper until the time of opening.

D. 28-32 Flip-Top Central Tear-Off Closures



Vial neck	Code	D	H1	H2
28	PH 502	28,00	10,00	9,20

Vial neck	Code	D	H1	H2
28	PH 522 Bis	28,10	11,30	9,20

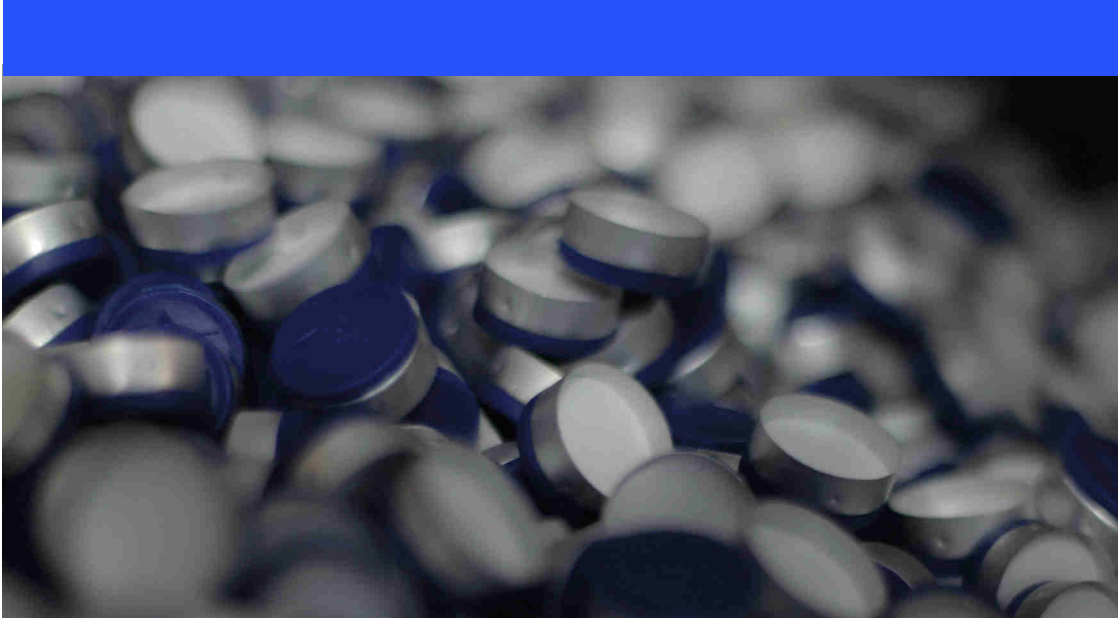
Vial neck	Code	D	H1	H2
29	196/1	29,70	10,75	9,40

Vial neck	Code	D	H1	H2
29	PH 574 Bis	29,30	11,80	9,50

Vial neck	Code	D	H1	H2
32	PH 501	32,40	14,50	13,30

Vial neck	Code	D	H1	H2
32	PH 525/Bis/2	32,60	13,70	12,60
32	PH 525 Tris	32,60	13,20	12,10

D. 20-29 Total Tear-Off Closures



This range of closures is suitable for drinkable and pourable single-dose or products. The closures are produced under controlled conditions. During the procedure, the closures are inspected using in-line inspection systems in order to guarantee an optimal product quality.

Opening is made by removal of the plastic part, which reveals the entire neck finish of the bottle allowing the contents to be easily poured out. The closures are almost always provided with a liner that can be made of EPE available in different barrier films or rubber. Flip Top Total Tear-Off Closures are a guarantee of security because any attempt at opening irrevocably damages the cap, making it non-reusable.

A “Small Head” version is also available, in which the plastic part does not stick out aluminium.

D. 20-29 Total Tear-Off Closures



Vial neck	Code	D	H1	H2	Note
20	100/Bis	20,20	8,70	7,00	

Vial neck	Code	D	H1	H2	Note
20	159/91/Bis	20,30	9,00	7,30	

Vial neck	Code	D	H1	H2	Note
20	PH 531 Bis	20,20	8,90	6,50	Small head with liner

Vial neck	Code	D	H1	H2	Note
20	PH 547	20,20	9,60	7,30	7 bridges small head
20	PH 552	20,20	9,50	7,00	5 bridges small head

Vial neck	Code	D	H1	H2	Note
20	PH 504	20,20	8,90	8,90	PE Closures

Vial neck	Code	D	H1	H2	Note
29	PH 536	29,30	10,90	9,80	With Ring opening System (2 pc) Total Tear-Off

— D. 13-32 Central Tear-Off Aluminium Closures —



GCL Pharma has a wide range of closures in aluminium for pharmaceutical packaging solutions for the crimp capping of rubber stoppers. Our range of closures characterises itself by an extremely wide range of colours. The closures are produced under controlled conditions. During the procedure, the closures are inspected using in-line inspection systems in order to guarantee an optimal product quality. One of them called the Lever Closure is suitable to preserve the sterility (by exposing products to saturated steam at high temperatures 121°C) of the rubber stopper. This range of closures is suitable for sealing single-dose and bottles of medicine which are used with needle and are the most popular on the market.

The center tab cap enhances the safety and tamper evidence of the sealed product by protecting the injection site of the stopper with a removable aluminum tab. This tab is removed by breakage of the bridges which attach it to the seal.

— D. 13-32 Central Tear-Off Aluminium Closures —



Vial neck	Code	D	H1	H2	Note
13	PH 555	13,40	6,50	6,50	

Vial neck	Code	D	H1	H2	Note
20	198 Tris	20,30	7,50	7,50	

Vial neck	Code	D	H1	H2	Note
20	177	20,30	7,60	7,60	4 bridges

Vial neck	Code	D	H1	H2	Note
29	253	29,20	9,30	9,30	3 bridges
29	267 Bis	9,30	9,30	9,30	

Vial neck	Code	D	H1	H2	Note
29	401	29,20	9,60	9,60	Level Caps 11mm bore

Vial neck	Code	D	H1	H2	Note
32	PH 561	32,40	11,60	11,60	
32	PH 562	32,40	13,00	13,00	

Ropp Closures



This range of closures is suitable for drinkable and pourable multi-dose bottles, which need to be opened and closed several times. They are made from aluminium and can be also provided with a seal with different possible barrier films to preserve the product (versions with mastic or PVC free). During the procedure, the closures are inspected using in-line inspection systems in order to guarantee an optimal product quality.

Closures with diameters of 28x15 and 28x18 mm can also be supplied with accessories. The closures are available in white or gold color or can be customized with multicolor lithographic printing.

Ropp Closures



Vial neck	Code	D	H1	Note
28x15	C2815F3	28,30	15,30	8 bridges Flowed-in liner Punched Liner
28x15	C2815N5	28,30	15,30	8 bridges Flowed-in liner Punched Liner
28x15	C2815P3	28,30	15,30	10 bridges Flowed-in liner Punched Liner

Vial neck	Code	D	H1	Note
28x18	164-P	28,00	18,25	8 bridges Flowed-in liner
28x18	164-P	28,00	28,25	8 bridges with PE liner

Pet bottles



Recommended for drinkable or pourable pharmaceutical products, which are suitable for all types of aluminium or plastic caps, filler caps and droppers. Available in transparent, amber or blue color, anonymous or single-color silkscreen printed. Bulk or oriented packaging. Available in version Screw neck or Ring neck.

This range also include Mono-ring single dose, the latest innovation specifically designed for exclusive use with Biphasic Kit, according to customer and market requirements. The new Mono-ring single-dose, thanks to its particular neck finish, provides easy removal of the container and does not require any change of equipment.

Pet bottles



Vial neck	Code	D	H1	ml
20	PH/FS 192	21,60	49,80	10
20	PH/FS 164	22,40	50,10	12
20	PH/FS 193	24,60	49,15	15
20	PH/FS 202	27,70	54,70	20

Vial neck	Code	D	H1	ml
20	PH/GL 192/M	24,50	49,00	15

Vial neck	Code	D	H1	ml
28	Various dimensions - According to customer specifications			