

The Duracap Brand Name

CBOL markets its gas springs and dampers under the Duracap® brand name. As a recognized supplier of quality gas springs, CBOL serves a broad range of markets and applications from vehicle and industrial to home, office and furniture.

Versatility and Durability

Duracap springs are designed and manufactured to provide a lifetime of smooth and efficient operation. Superior design, state-of-the-art materials and advanced manufacturing techniques ensure accurate and reliable operation in diverse environments and a wide temperature range.

Duracap gas springs feature:

- ◆ Composite piston material delivering less noise and smoother operation than metal pistons
- ◆ Dual lip seals that provide longer life and backup protection
- ◆ Acid-nitrification heat-treated rods for salt water resistance
- ◆ Corrosion-proof composite rod guides that provide low friction side load protection
- ◆ Specially treated forged metal ball joints that offer a smoother surface and better corrosion protection



Value-Added

The Duracap gas spring and damper line offers the breadth and flexibility to allow you to specify the precise product to meet your application requirements. And whether you require special packaging, labeling, consignment terms or Just-In-Time delivery, we are ready to design a supply package that meets your needs and reduces your overall product cost.

Certified Quality

Duracap's manufacturing processes and products are certified to meet domestic and international standards. Duracap's facilities are QS 9000 and ISO 9001 quality certified with capabilities to generate PPAP and process control documentation utilizing electronic monitoring devices. Our quality control objective is zero defects beyond Six Sigma.

CBOL Corporation... offering U.S. customers cost savings through participation in the global market.



Your Worldwide Parts Resource

Buy Global – Depend on



GAS SPRINGS and DAMPERS

Applications / Markets

Vehicle – Hood, Trunk Lid, Cargo Door, Overhead Compartment

Industrial – Conveyor Gates, Skylights, Packaging Equipment

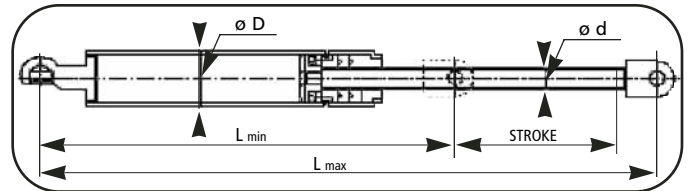
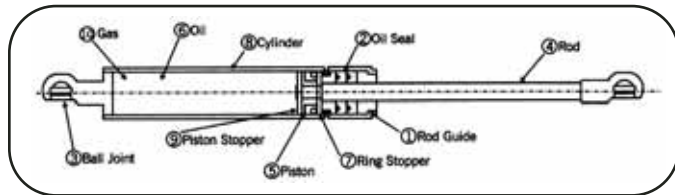
Furniture – Chair Lifts, Seat Tilts, Cabinet Doors, Recliners

General – Lawnmowers, Windows, Emergency Doors

Office – Copiers, Computer Enclosures, Printer Cover, Monitor / Keyboard Arms



Specifications



Product Features

Type of Product

Extension Damper
Compression Damper
Dual Direction
Gas Spring

Rod/Tube Diameter

6 x 15 mm
8 x 18 mm
10 x 22 mm
12.5 x 27 mm
14 x 28 mm
Special Size

Type of Rod/Tube Ends

Metal Ends
Plastic Ends
Blade Ends
Special Ends

Product Line

| SIZE | LMAX (mm) | LMIN (mm) | STROKE (mm) | ϕD (mm) | ϕd (mm) | FORCE | | Remark |
|------|--------------|--------------|----------------|------------------|------------------|---------|---------|--------|
| | | | | | | Ft(kgf) | Fc(kgf) | |
| GS15 | Max 500 | Max 300 | 200 | 15 | 6 | 40 | 65 | Large |
| | Min 150 | Min 115 | 35 | 15 | 6 | 10 | 15 | Small |
| GS18 | Max 700 | Max 400 | 300 | 18 | 8 | 70 | 90 | Large |
| | Min 150 | Min 115 | 35 | 18 | 8 | 20 | 35 | Small |
| GS18 | Max 800 | Max 500 | 300 | 18 | 9 | 80 | 95 | Large |
| | Min 150 | Min 120 | 30 | 18 | 9 | 20 | 35 | Small |
| GS22 | Max 900 | Max 500 | 400 | 22 | 10 | 100 | 130 | Large |
| | Min 150 | Min 115 | 35 | 22 | 10 | 30 | 50 | Small |
| GS28 | Max 900 | Max 550 | 350 | 27.4 | 12.5 | 100 | 130 | Large |
| | Min 150 | Min 120 | 30 | 27.4 | 12.5 | 18 | 18 | Small |



Local Purchasing – International Sourcing

CBOL Corporation is a U.S.-based full service provider supplying high quality, precision manufactured products and engineering services to its OEM customers in the automotive, aerospace, defense and electronics industries. CBOL offers U.S. customers turnkey production of quality products at significant cost savings, realized through active participation in the global manufacturing market.

Certified Quality

CBOL assures quality to its customers by offering products from manufacturing facilities with ISO 9000 and QS 9000 certification.

Delivered To Your Dock

CBOL coordinates all ocean, air and ground transportation as well as required import duties and customs clearance documentation. Our buying power allows us to achieve lower freight costs by consolidating shipping containers. We ship all products directly to your loading dock according to a designated shipping schedule.

CBOL CORPORATION

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