



## COMPANY PROFILE

2022 February

Erdi Ceyhan

After 25 years of professional management experience in commercial vehicle braking systems, shock absorbers and sealing products, DICHERSEAL was established in 2019. Founded and managed by Erdi Ceyhan in Bursa, DICHERSEAL aims to be a partner company for solving sealing needs in global markets. In a short period of time, the company started developing brake systems for commercial vehicles and sealing elements for suspensions with an own mass production.

### **Vision**

To provide customer-oriented, reliable and competitive solutions in the field of sealing systems.

### **Mission**

Our mission is to provide superior sealing products for demanding applications from sophisticated customers. Based on complete material development, product design, prototyping and testing, customer support, we are the specialist in producing sealing products in large and small quantities.

### **Values**

Dicherseal company values are People-orientation, Innovation, Long-term Orientation and Reliability.

### **Our Policy**

ensuring complete customer satisfaction by following clear management guide lines:

- Passion for customer satisfaction
- Reliable in product and management quality for
- Competitive power
- Always up-to-date with Quality management systems, ensuring continuous improvement
- Maintain an efficient, competent team structure, with self-learning and -development

# Applications

DICHER SEAL



Automotive Suspension

Automotive Brake



Household Appliances



Air Treatment Systems



Fluid Power



Mobile Machinery



Cabling Systems



Food & Beverage





Final Control  
& Stock

- Capacity Analysis
- Order Management



Lip Cutting &  
Greasing

Process Parameters



Deflashing

- 100% Dynamic Control
- Cleaning



Vulcanisation

- Process Definition
- @Strategic Partner ETA

SCM & Supplier  
Development

- Metal
- Metal Bonding
- Spring



Compound  
Dev. & Supply

- Mixing @Partner Strategic Partner
- Kraiburg
- TSF

Tooling Design

- Inhouse
- Project Development





## Shock absorber and strut seals

Applications including light vehicles, heavy duty, rail and special purpose applications. Our service includes full material development, product design, prototyping and testing, customer support, high and low volume production capability. Dicherseals supplies multi-lip seals with integrated static and dynamic sealing;

- Maintaining high pressure, oil and gas inside the shock absorber chamfer,
- Dust and external media penetration inside the damper,
- Keeping optimum piston rod greasing for the long-life endurance of the sealing.

## The Dicherseal damper seals presents the following advantages:

- Availability of different compounds – NBR, HNBR and FKM covering a wide range of operating temperatures (-40 to 120 °C) and ensuring compatibility in all existing oils,
- Compounds, allowing for high and low friction options.
- Flat top metal surface design permits the tube to be welded or rolled into place
- Able to support high static and dynamic pressure

## Advanced designs, with seal features such as:

- Heavy gauge metal insert, allowing the shock absorber tube to be assembled over the seal in number of different methods
- Static gasket, providing a leak-proof seal between tube wall and bushing
- Garter spring, ensuring the correct radial load for the life of the product
- Dust lip, preventing contaminants from getting into the system
- Gas lip, acting as a check valve
- Greasing operation, if requested

Dicherseal PN	Rod mm	OD mm	H mm
DSG123109	12,0	31,10	10,70
DSG1253512	12,5	35,80	5,30*10,70
DSG133512	13,0	35,80	6,60*11,80
DSG133109	13,0	31,20	9,20
DSG164410	16,0	44,00	9,80
DSG175311	17,0	53,10	10,70
DSG183509	18,0	35,80	9,25
DSG184214	18,0	42,20	5,20*13,60
DSG203609	20,0	35,90	9,20
DSG205110	20,0	51,10	9,80
DSG205712	20,0	57,05	5,00*12,00
DSG225712	22,0	27,00	5,00*12,00







Gas springs function is to provide effective cushioning and damping by adjusting the optimum seating position of our office chairs, load or unload our cars by making the rear door virtually weightless and facilitate the movement of heavy loads in industrial applications.

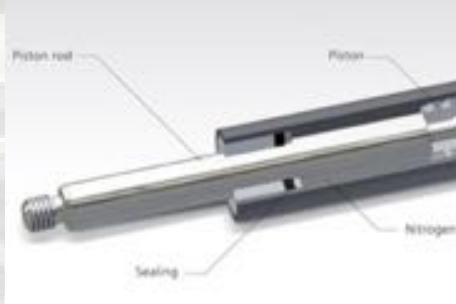
The rod seal has the job of preventing leakage of the gas from the cylinder and to thus prevent loss of performance. Factually, permeation and losses caused by leakage at the interfacing areas slowly but surely reduce the gas volume that was initially introduced down to the level of spring failure unless the seal prevents this. Therefore, the specific evaluation of the respective tribological system including the selection of the seal best suiting this system is extremely critical.

The friction of the gas spring is related to the applied pressure.

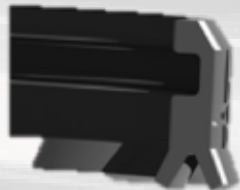
For high pressures (150 bar and above), a rubber compound with high hardness is needed in order to meet the durability requirements. However, such a material used at lower pressures increases the friction, so a lower material hardness is selected for this use.

Dicherseal high-performance compounds provides;

- Excellent wear resistance,
- Very low permeation rates,
- Very broad media resistance and broad temperature range,
- Easily achievable baked enamel finishing and powder coating of the gas spring,
- Perfect price/ quality ratio.



Dicherseal PN	Rod	OD	H mm
DSG061303	6,0	13,50	3,50
DSG081603	8,0	17,00	3,50
DSG101903	10,0	19,90	3,50
DSG102503	10,0	25,80	3,50
DSG142403	14,00	24,50	3,10



Hydraulic or pneumatic piston seals where linear motion and force are required. Dust seals have a pre-tension in their ducts after assembly.

The pre-tension in the channel and a gap in the channel that will enable it to work comfortably at very low pressures.



Dicherseal PN	Rod	OD	H mm
DS2114315210	143,0	157,30	10,50
DS2214515417	145,0	154,30	17,40
DS2115616713	156,0	170,80	12,90
DS2115816810	158,0	169,40	10,50
DS2216017017	160,0	169,20	17,20
DS2117018412	170,0	183,30	12,00
DS2217518418	175,0	184,40	18,00

