

# 3 IN ONE

## ELECTRICAL CONTACT

BAUMANN Contact Elements transmit **high currents in small spaces**. Every coil acts as a single contact point.

## MECHANICAL RETENTION

BAUMANN Contact Elements are springs with a **constant force curve**. They are suitable in static as well as dynamic applications in different environments.

## EMI SHIELDING

BAUMANN Contact Elements protect systems and components from **electromagnetic interference (EMI)**.

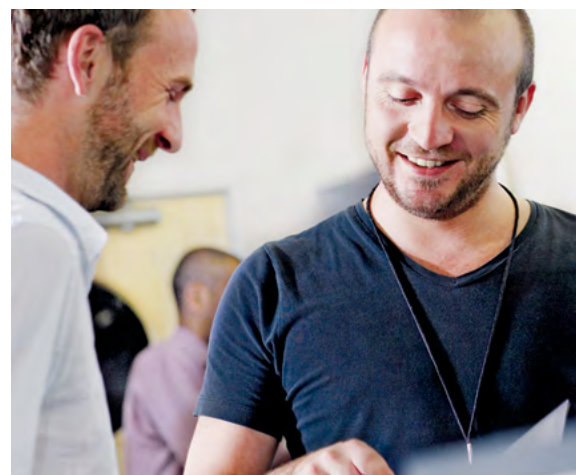


# QUALITY, TECHNOLOGY AND PARTNERSHIP

## BAUMANN GROUP

The BAUMANN Group has been manufacturing high-quality contact elements made from special alloys for over 25 years. A contact element is a ring-shaped spring that transmits high currents in small spaces and is also used in purely mechanical connectors. Its use is limitless – static as well as dynamic applications in high-voltage and medium-voltage areas, the automotive industry and many other sectors. Our specialized team with local contacts will develop customised solutions for your applications together with you.

Take advantage of the experience and competence of a global manufacturer of springs and stampings. For more than 130 years, the BAUMANN Group has stood for Swiss precision and quality – on three continents. The family-run company, in its fifth generation of owner management, has ten production locations all over the world with over 1600 employees and sells high-tech products for selected industries, such as the automotive and electrical industries as well as the medical technology sector. All BAUMANN companies comply with ISO 9001, IATF 16949 and ISO 14001. Thanks to our in-house machine manufacturer BAMATEC, we design customer-specific quality and production processes with state-of-the-art technology. And we provide you with professional advice based on our long-standing expertise in spring and stamping technology and material selection. For exceptional solutions. From development to production to packaging.



# KEY BENEFITS

## CUSTOMISED SOLUTIONS AND TECHNICAL ADVICE

We develop the best solution for your application according to your specifications.

## SWISS PRECISION AND RELIABILITY WORLDWIDE

We provide you with top-quality products and services wherever you are.

## BROAD EXPERIENCE IN SPRING TECHNOLOGY

We are building on 130 years of experience in spring design and spring materials for all industries.

## IN-HOUSE MACHINE TECHNOLOGY

We manufacture your products on machines developed by BAMATEC, our in-house machine manufacturer.



# COMMON APPLICATIONS

## ENERGY

- GIS and AIS
- Dead tank breakers
- Cable connectors

## AUTOMOTIVE

- Charging plug devices
- High-power interconnections
- EMI Shielding

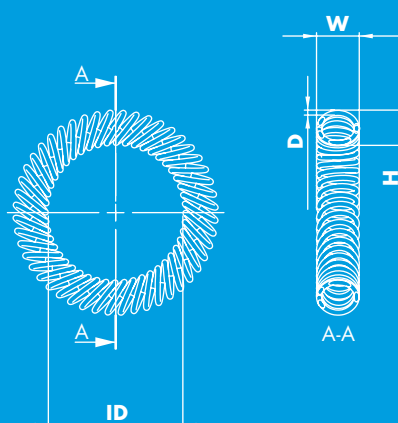


# TYPICAL SPECIFICATIONS

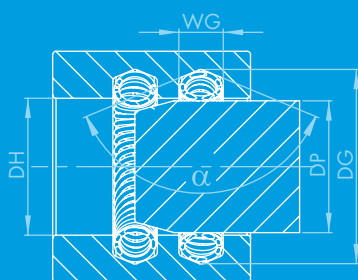
## PRODUCT DIMENSIONS (EXAMPLES)

D	H	W	ID
0.3	1.7	2.0	4.8
0.4	3.0	3.6	8.0
0.5	4.1	5.0	16.0
0.8	6.0	7.3	25.0
1.0	7.5	9.0	30.0
1.3	9.0	10.9	50.0
1.5	10.5	12.7	60.0
2.0	15.0	17.5	72.0

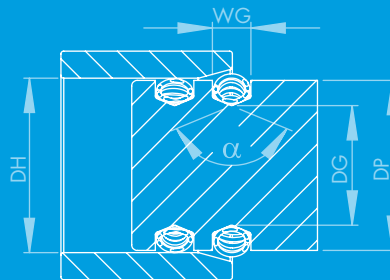
(mm)



## HOUSING-MOUNTED DESIGN



## PISTON-MOUNTED DESIGN



## WIRE MATERIALS

Zirconium copper, other copper alloys, stainless steel

## COATINGS

Gold, Silver, Tin, others

[www.contact-elements.com](http://www.contact-elements.com)

