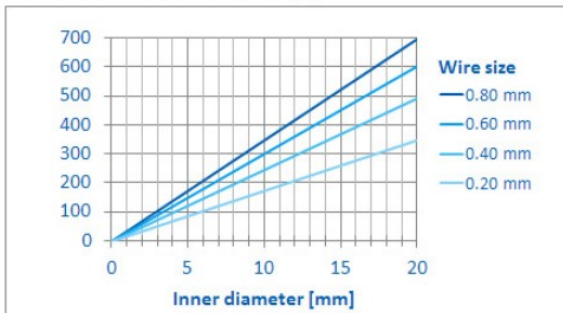


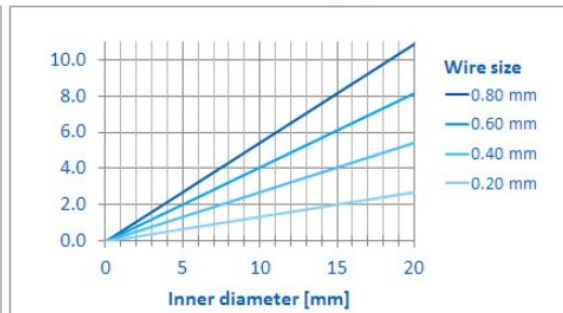
ELECTRICAL CONTACT

BAUMANN Contact Elements are springs that transmit high currents in small spaces. The amount of current that can be transmitted depends on various parameters described in more detail below. By different setting of the parameters required in the application, it could have the first indication of the achievable nominal current and the achievable short circuit current. Please note that all values are based on a theoretical calculation model assuming CuCr1Zr as wire material. All values need to be verified with tests in the specific application.

Achievable nominal currents [A]



Achievable short circuit currents [kA]



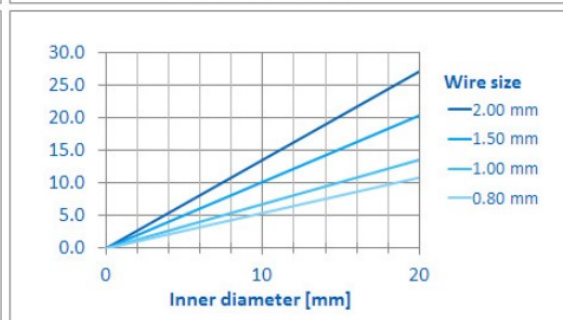
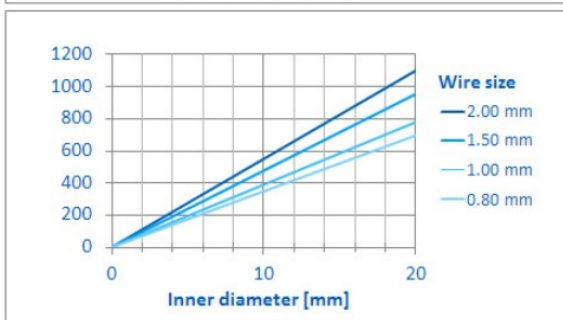
Range of inner diameter

0-20mm

Ambient temperature

20°

Rated duration of short circuit

1s 

Range of inner diameter

Choose the range of inner diameter for which you would like to see our indication of transmittable currents.

Ambient temperature

The temperature difference between maximum allowable operating temperature and maximum ambient temperature influences the transmittable current. The lower the difference, the lower the transmittable current. For the above indications, a maximum operating temperature of 105°C is assumed.

Rated duration of short circuit

Time during which the Contact Element is exposed to a short circuit current without exceeding a maximum temperature of 350°C.