

Ball Transfer Units

Stainless Steel, with Collar, with Friction Bearing

SPECIFICATION

Housing

Stainless steel AISI 303 NI

Ball

Stainless steel AISI 420C, hardened

Friction bearing

Plastic

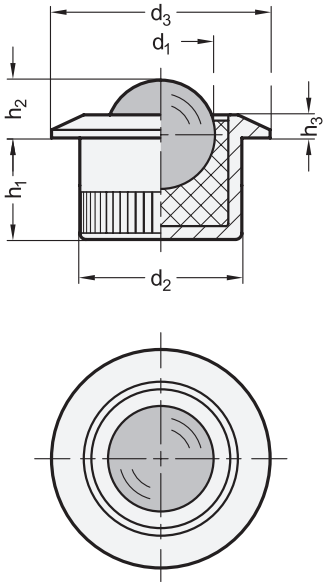
Operating temperature -50 °C to +90 °C

INFORMATION

Ball transfer units GN 509.10 are used for building mechanisms and devices. The friction bearing of the ball ensures low-friction displacement and rotation of workpieces in any direction. A tolerance of H7 for the location hole of d₂ is recommended.

TECHNICAL INFORMATION

- ISO-Fundamental Tolerances (see page A21)
- Stainless Steel Characteristics (see page A26)



GN 509.10

STAINLESS STEEL

Description	Size	d ₁ Ball	d ₂	d ₃	h ₁	h ₂	h ₃	Load C ₀ in N	
GN 509.10-6-NI	6	6.5	10	13	8	3.2	1.2	1161	4
GN 509.10-8-NI	8	8.5	12.6	17	7.9	4.5	1.8	1986	8