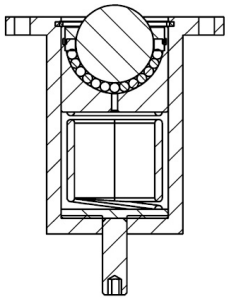
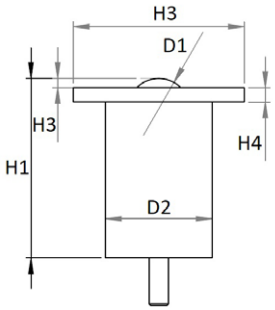
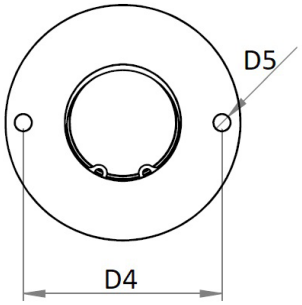
Schulz Stanztechnik GmbH
Kruppstraße 12
D 58553 Halver

Phone: +49 2353 903154
Fax: +49 2353 903156
info@schulz-stanztechnik.de

Solid ball caster with head flange and suspension







Designation	Material of Bearingball	Dimensioning								Sealing Felt	Load bearing capacity (kg)
		Ø D1 (mm)	Ø D2 (mm)	H1 (mm)	H3 (mm)	H4 (mm)	D4 (mm)	Ø D5 (mm)	F1 (N) adjus-table		
Tolerances	-	-	+/- 0.1	+/- 0.2	+/- 0.1	+/- 0.1	-	-	-	-	-
Solid ball caster / ball transfer units with head flange and suspension, gunmetal-finished – low Suspension (FS)											
012.700-FS	Tool Steel	soon	-	-	-	-	-	-	-	no	-
025.700-FS		25.40	44.50	71.80	3.8	6	60.20	5.10	96-139	no	125
038.700-FS		soon	-	-	-	-	-	-	-	yes	-
050.700-FS		folgt	-	-	-	-	-	-	-	yes	-
Solid ball caster / ball transfer units with head flange and suspension, gunmetal-finished – medium Suspension (FM)											
012.700-FM	Tool Steel	soon	-	-	-	-	-	-	-	no	-
025.700-FM		25.40	44.50	71.80	3.8	6	60.20	5.10	187-283	no	125
038.700-FM		soon	-	-	-	-	-	-	-	yes	-
050.700-FM		soon	-	-	-	-	-	-	-	yes	-
Solid ball caster / ball transfer units with head flange and suspension, gunmetal-finished– high Suspension (FL)											
012.700-FL	Tool Steel	soon	-	-	-	-	-	-	-	no	-
025.700-FL		25.40	44.50	71.80	3.8	6	60.20	5.10	298-485	no	125
038.700-FL		soon	-	-	-	-	-	-	-	yes	-
050.700-FL		soon	-	-	-	-	-	-	-	yes	-

Schulz Stanztechnik GmbH
Kruppstraße 12
D 58553 Halver

Phone: +49 2353 903154
Fax: +49 2353 903156
info@schulz-stanztechnik.de

Solid ball caster with head flange and suspension

Design and construction

This Schulz ball caster / ball transfer unit consists of a casing, a top cover and a bearing cap as solid turned parts, a bearing ball and several support balls.

To this ball caster is another casing which serves as a body for the spring. Prevent spring loaded ball casters
Damage caused by shock loads.

Dimensions

The spacing is calculated by dividing the shortest edge length of the object to be transported by 3.5.

Materials

Casing Ball caster:	galvanized Steel (tempered)
Casing Spring:	Steel
Top Cover:	galvanized Steel
Ball socket:	Steel (tempered)
Support Balls:	Tool Steel (tempered), Stainless Steel (tempered)
Bearing Ball:	Tool Steel (tempered), Stainless Steel (tempered), Plastic
Spring:	1.4310 or 1.200

Operational conditions

Temperature range from -30°C to +100°C (bis +30°C Plastic)
Conveyance velocity of up to 1,5 m/s.
Dynamic load rating up to max. 2.500 kg.

* depend on the adjustable force of suspension F1