

Ball joints and Constant-velocity joints



- No rotation of longitudinal axis
- Strong forces may be transferred
- Compact design
- Suitable for applications with vibrations

Description

The OHE ball joints were originally developed for Hexamove applications. They may be used for all applications, however, where a joint connection is needed. Ball joints offer the advantage of being able to transfer strong forces while requiring comparatively small dimensions (compact design). They are also suited for applications with strong vibrations.

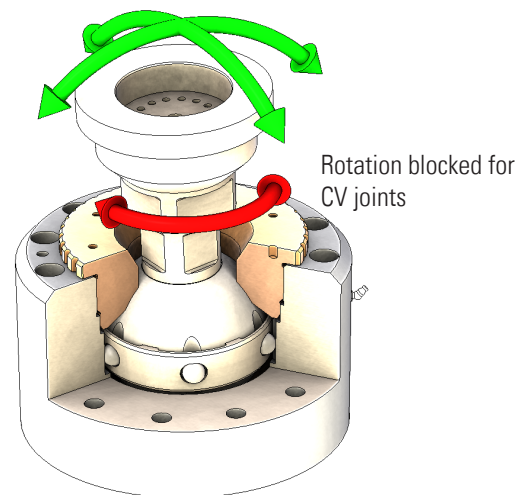
The wear couples consist of a hardened steel ball

The joints may be moved in three rotational degrees of freedom. Rotation around a central axis may be blocked as desired (CV joint). However, that means that the admissible angle will be reduced. A rotation lock may be installed as an alternative. It will block the rotation around a central axis, too, but it is not suited for the transmission of torques.

Technical Data

Item No.	Ball diameter	Max. dynamic forces	Max. angle	Alignment of panel	Mass
HM.1040.1000	60 mm	40 kN	+/- 35°	30°	4.8 kg
HM.1042.1000	60 mm	40 kN	+/- 35°	straight	5.2 kg
HM.1043.1000	80 mm	120 kN	+/- 35°	straight	9.2 kg
HM.1044.1000	120 mm	200 kN	+/- 35°	45°	39.5 kg
HM.1041.1020	150 mm	300 kN	+/- 10°	straight	87.0 kg

Installation position:	as desired
Ambient temperature:	between -20°C and +60°C
Static friction coefficient:	approx. 0.25



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