

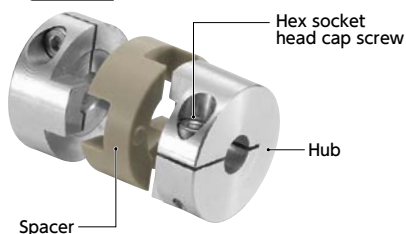
MOP-C Cleanroom / Vacuum / Heat Resistant Couplings - Oldham Type (PEEK)

Cleanroom
 Electrical Insulation
 Heat-resistance
 Chemical-proof
 High Allowable Misalignment

Structure

Clamping Type

MOP-C → P.xxxx



Spacer's projection structure

Spacer's projection structure allows large angular to be effortlessly accepted. It reduces burden on the shaft.



(Without projection)

(With projection)

In the oldham-type coupling whose spacer has no projection, the spacer and hubs interfere with each other near outside diameter, so that the max. angular misalignment is small (1° - 1.5°) and that the bending moment arises on the shaft.

NBK's oldham type coupling allows the angular misalignment to be easily accepted since the projection serves as support. Bending moment does not arise. Therefore, the max. angular misalignment is large (2°) and the burden on the shaft is reduced.



Property

	MOP-C
Low Particle	△
Vacuum-supported	◎
Low Outgas	○
Heat-resistance	◎
Chemical Resistance	○
Allowable Misalignment	◎
Electrical Insulation	◎
Cleanroom Specification	◎
Allowable Operating Temperature	-20°C to 120°C

◎: Excellent ○: Very good

△: Abrasion powder may be produced

- This is an oldham type flexible coupling.
- Cleanroom wash/cleanroom packing provided. It can be used in an environment or cleanroom where heat resistance and chemical resistance are required, such as FPD and semiconductor manufacturing equipment.
- PEEK is adopted in the spacer. This is superior in heat resistance and chemical resistance, and the amount of outgas is ultralow.
- Slippage of hubs and a spacer allows eccentricity and angular misalignment to be accepted.
- The load on the shaft generated by misalignment is small and the burden on the shaft is reduced.

Application

FPD manufacturing device / Semiconductor manufacturing device

Material/Finish



	MOP-C
Hub	A2017
Spacer	PEEK (Polyether Ether Ketone)
Hex Socket Head Cap Screw	SUSXM7

• PEEK's color may vary depending on the lot or other matters.

Part number specification

MOP-25C-8-8

Product Code Size Bore Diameter

Please refer to dimensional table for part number specification.

Additional Keyway at Shaft Hole → P.xxxx
 Cleanroom Wash & Packaging → P.xxxx
 Change to Stainless Steel Screw → P.xxxx

Please feel free to contact us

Cleanroom washed and packed

Changed to the S.S. screw