

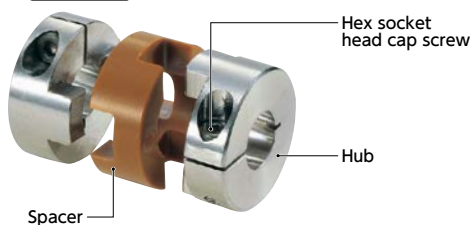
# MOHS-C Cleanroom / Vacuum / Heat Resistant Couplings - Oldham Type (VESPEL)

Cleanroom 
 Electrical Insulation 
 Heat-resistance 
 Chemical-proof 
 High Allowable Misalignment 
 SUS Stainless steel

## Structure

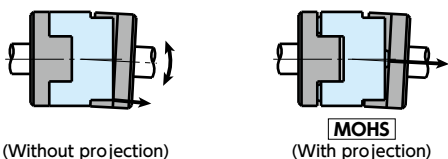
### Clamping Type

**MOHS-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 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 and the burden on the shaft is reduced.



### Property

|                                 | MOHS-C         |
|---------------------------------|----------------|
| Low Particle                    | △              |
| Vacuum-supported                | ◎              |
| Low Outgas                      | ○              |
| Heat-resistance                 | ◎              |
| Chemical Resistance             | ○              |
| Allowable Misalignment          | ◎              |
| Electrical Insulation           | ◎              |
| Cleanroom Specification         | ◎              |
| Allowable Operating Temperature | -20°C to 200°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 manufacturing equipment.
- VESPEL SCP-5000 is adopted in the spacer. This is superior in heat resistance and chemical resistance, and the amount of outgas at high temperature 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



|                           | MOHS-C                                 |
|---------------------------|--|
| Hub                       | SUS303                                 |
| Spacer                    | VESPEL*1                               |
| Hex Socket Head Cap Screw | SUSXM7<br>Molybdenum Disulfide Coating |

\*1: VESPEL is a registered trademark of DuPont.

• The color may vary depending on the lot or other matters.

### Part number specification

## MOHS-19C-6-6

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