

Selection

Select an appropriate Couplicon according to the following procedures.

Selection procedures

1. Type selection
2. Size selection
3. Torque correction by operating temperature
4. Checking of max. bore diameter and max. rotational frequency
5. Summary

1.Type selection

By referring to Couplicon selected from the table, Couplicon selected based on motor, and Couplicon selected based on application , select the most appropriate Couplicon type.

2.Size selection

Select a size such that the normal torque is greater than the load torque generated during continuous system operation.

Note that the normal torque value allows for load fluctuations during operation, so rated torque compensation is not required when making a selection (excluding Oldham types).

3.Torque correction by operating temperature

For couplings that use rubber or resin, the rated torque and maximum torque may vary depending on the operating temperature (excluding MSXP, MOP, and MOHS).

If the ambient temperature exceeds 30°C, apply the correction factors shown in the table below to both the rated torque and maximum torque.

Ambient temperature	Temperature correction factor
-20°C - 30°C	1.00
30°C - 40°C	0.80
40°C - 60°C	0.70
60°C - 120°C	0.55

Note that the correction factors can only be applied within the allowable operating temperature range of each coupling.

Refer to each product page for details on operating temperature.

For all-metal couplings, as well as MSXP, MOP, and MOHS, the effect of temperature on torque reduction is minimal, thus, no correction using this table is required.

4.Checking of max. bore diameter and max. rotational frequency

Ensure that both of the max. bore diameter and max. rotational frequency exceed the bore diameter and rotational frequency specified in the design conditions. If either or both of the max. bore diameter and max. rotational frequency are not satisfied, change the size.

5.Summary

Finally, ensure that other items also satisfy the design condition by referring to the Dimension/Performance table.

