

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 rubber/resin-material Couplicon, the rated torque and max. torque vary depending on the operating temperature.

If ambient temperature exceeds 30°C, be sure to correct the rated torque and max. torque with temperature correction factor shown in the following table.

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

In other Couplicons, the rated torque and max. torque do not vary depending on the operating temperature. Correction by temperature correction factor is not 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.

