For Better Drive

Making your Couplicon® Selection

Please use the following guidelines in your Couplicon® selection process.

Selection Guidelines

1. Type selection
2. Size selection
3. Torque correction based on operating temperature
4. Confirm maximum bore diameter and rotational frequency
5. Final check

1. Type selection

Use the guidelines on the preceding pages to select the most appropriate Couplicon® product by type (P.30～P.31) or by application (P.32～P.33).

2. Size selection

Select a size that has a rated torque higher than the system's load torque.
Rated torque values take into consideration load fluctuations that occur during operation. Therefore, it is unnecessary to make additional compensations for load fluctuation when making product selections.
Ensure that the selected size's rated torque is higher than the load torque values that occur during continuous operation.

3. Torque correction based on operating temperature

Rated torque, and maximum torque specifications for XGT XGS MJT MOL MOS and MSF change under some operating temperatures.
If operating temperature exceeds 30℃, please adjust rated torque and maximum torque as detailed in the table below.

Air Temperature	Temperature Correction Factor
−20℃～ 30℃	1.00
30℃～ 40℃	0.80
40℃～ 60℃	0.70
60℃～100℃	0.55

Other Couplicon® couplings do not experience changes in rated torque and maximum torque due to operating temperature.
Therefore, temperature compensation is unnecessary.

4. Confirm maximum bore diameter and rotational frequency

Confirm that the coupling's design criteria fall within the maximum bore diameter and maximum rotational frequency specifications.
If design criteria surpass maximum specifications, please select a different size.

5. Final check

Finally, confirm that all other specifications listed in the specification charts satisfy your design criteria.