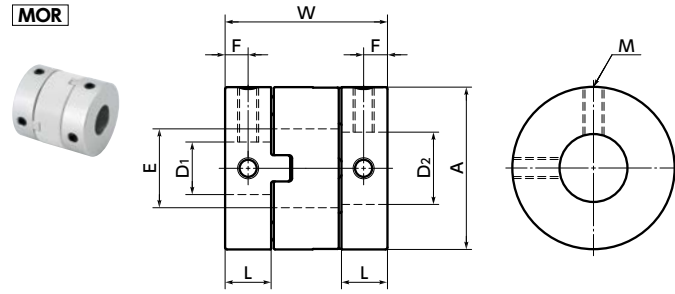


MOR Flexible coupling - Oldham - type - Set screw type

WEB Selection Tool
WEB CAD Download
High torque
Electrical Insulation
High Allowable Misalignment
Small Eccentric Reaction Force



Dimensions

Unit : mm

Part Number	A	L	W	E	F	M	Screw Tightening Torque (N·m)
MOR-6	6	2.5	8.4	2.1	1.3	M2	0.3
MOR-8	8	2.5	9.6	3.1	1.3	M2	0.3
MOR-10	10	2.9	10.2	4.1	1.4	M2	0.3
MOR-12	12	3.9	14.2	5.2	2	M3	0.7
MOR-15	15	4.4	16	8.2	2.2	M3	0.7
MOR-17	17	4.9	19.8	8.2	2.5	M3	0.7
MOR-20	20	5.8	21.4	12.2	2.9	M4	1.7
MOR-26	26	7.3	25.6	14.2	3.7	M4	1.7
MOR-30	30	10	32.5	16.2	5	M4	1.7
MOR-34	34	11.1	34	16.2	5.6	M5	4
MOR-38	38	12.1	40	20.3	6.1	M5	4
MOR-45	45	13.8	46	22.3	6.9	M6	7
MOR-55	55	18.7	57	26.5	9.4	M8	15
MOR-68	68	24	77	38.5	12	M10	30

Part Number	Standard Bore Diameter D1 · D2 (dimensional allowance H8)																							
	1	1.5	2	3	4	5	6	6.35	8	9.525	10	12	14	15	16	18	20	22	25	28	30	35	38	
MOR-6	●	●	●																					
MOR-8	●		●	●																				
MOR-10			●	●	●																			
MOR-12				●	●	●																		
MOR-15					●	●	●	●																
MOR-17					●	●	●	●	●															
MOR-20					●	●	●	●	●	●														
MOR-26						●	●	●	●	●	●													
MOR-30							●	●	●	●	●	●												
MOR-34								●	●	●	●	●	●											
MOR-38									●	●	●	●	●	●										
MOR-45										●	●	●	●	●	●									
MOR-55											●	●	●	●	●	●								
MOR-68												●	●	●	●	●	●	●						

- All products are provided with hex socket set screw.
- In a case where the bore diameter is φ 4 or less, the set screw is used in only one place.
- Recommended dimensional allowances of applicable shaft diameter are h6 and h7.
- A set of hubs with set screw type for one side and clamping type or other type for the other side is available upon request.

Additional Keyway at Shaft Hole → P.803
Cleanroom Wash & Packaging → P.807
Change to Stainless Steel Screw → P.805

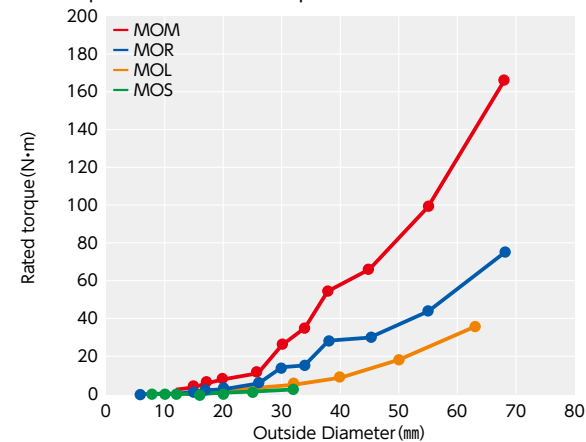
Performance

Part Number	Max. Bore Diameter (mm)	Rated*1 torque (N·m)	Max.*1 torque (N·m)	Max. Rotational Frequency (min ⁻¹)	Moment*2 of Inertia (kg·m ²)	Static Torsional Stiffness (N·m/rad)	Max. Lateral Misalignment (mm)	Max. Angular Misalignment (°)	Mass*2 (g)
MOR-6	2	0.2	0.4	100000	2.2×10 ⁻⁹	5	0.5	3	0.4
MOR-8	3	0.5	1	78000	7.4×10 ⁻⁹	12	0.7	3	0.8
MOR-10	4	0.8	1.6	63000	1.9×10 ⁻⁸	23	0.9	3	1
MOR-12	5	1	2	52000	5.3×10 ⁻⁸	60	1	3	3
MOR-15	8	1.6	3.2	42000	1.4×10 ⁻⁷	80	1	3	4
MOR-17	8	2.2	4.4	37000	2.8×10 ⁻⁷	120	1.2	3	7
MOR-20	12	3.2	6.4	31000	5.7×10 ⁻⁷	120	1.2	3	9
MOR-26	14	6	12	24000	2.1×10 ⁻⁶	300	1.5	3	20
MOR-30	16	15	30	21000	5.4×10 ⁻⁶	530	2	3	38
MOR-34	16	16	32	18000	9.1×10 ⁻⁶	1000	2.5	3	52
MOR-38	20	28	56	16000	1.6×10 ⁻⁵	1500	2.5	3	69
MOR-45	22	30	60	14000	3.3×10 ⁻⁵	2400	3	3	110
MOR-55	26	45	90	11000	1.0×10 ⁻⁴	4100	4	3	230
MOR-68	38	80	160	9000	3.7×10 ⁻⁴	6400	4.5	3	430

*1: Values with no load fluctuation and rotation in a single direction. If there is large load fluctuation, or both normal and reverse rotation, select a size with some margin. 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. The allowable operating temperature of MOR is -20°C to 80°C.

*2: These are values with max. bore diameter.

Comparison of rated torque



Ambient Temperature / Temperature Correction Factor

Ambient temperature	Temperature correction factor
-20°C to 30°C	1.00
30°C to 40°C	0.80
40°C to 60°C	0.70
60°C to 80°C	0.55

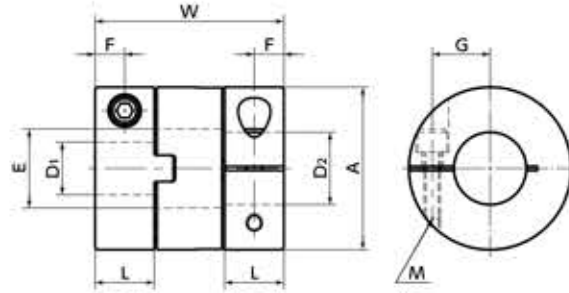
Part number specification

MOR-20-6-12 1 set
1 2
MOR - 20 - SPCR Single Spacer
 Product Code Outside Diameter (A Dimension) Single Spacer

MOR-C Flexible coupling - Oldham - type - Clamping type

Selection Tool
 CAD Download
 High torque
 Electrical Insulation
 High Allowable Misalignment
 Small Eccentric Reaction Force

MOR-C



Dimensions

Unit: mm

Part Number	A	L	W	E	F	G	M	Screw Tightening Torque (N·m)
MOR-12C	12	6.2	19	5.2	3.1	4	M2	0.5
MOR-15C	15	5.8	18.8	8.2	2.9	5	M2.5	1
MOR-17C	17	7.3	24.5	8.2	3.7	6	M2.5	1
MOR-20C	20	8.8	27.4	12.2	4.4	7.5	M3	1.5
MOR-26C	26	9.7	30.4	14.2	4.9	9.5	M3	1.5
MOR-30C	30	10	32.5	16.2	5	11.1	M4	2.5
MOR-34C	34	11.1	34	16.2	5.6	12.6	M4	2.5
MOR-38C	38	12.1	40	20.3	6	14.2	M5	4
MOR-45C	45	13.8	46	22.3	6.9	16	M5	4
MOR-55C	55	18.7	57	26.5	9.4	20	M6	8
MOR-68C	68	24	77	38.5	12	26	M8	16

Part Number	Standard Bore Diameter D1 · D2																		
	3	4	5	6	6.35	8	9.525	10	12	14	15	16	18	20	22	25	28	30	35
MOR-12C	●	●	●																
MOR-15C		●	●	●															
MOR-17C			●	●	●														
MOR-20C			●	●	●	●	●												
MOR-26C				●	●	●	●	●											
MOR-30C					●	●	●	●	●										
MOR-34C						●	●	●	●	●									
MOR-38C							●	●	●	●	●								
MOR-45C								●	●	●	●	●							
MOR-55C									●	●	●	●	●						
MOR-68C										●	●	●	●	●	●				

- All products are provided with hex socket head cap screw.
- Recommended dimensional allowances of applicable shaft diameter are h6 and h7.
- A set of hubs with clamping type for one side and set screw type or other type for the other side is available upon request.
- In case of mounting on D-cut shaft, be careful about the position of the D-cut surface of the shaft. → P.258

Additional Keyway at Shaft Hole → P.803
 Cleanroom Wash & Packaging → P.807
 Change to Stainless Steel Screw → P.805

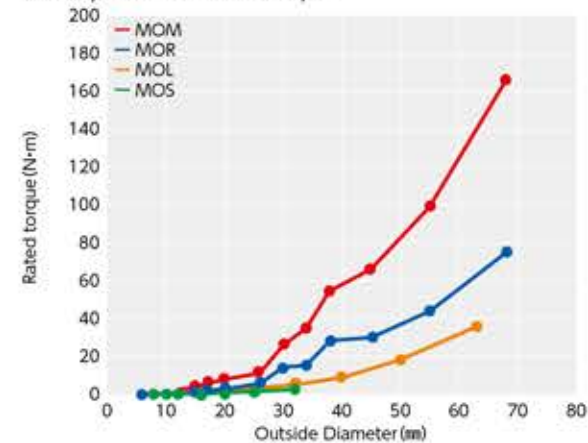
Performance

Part Number	Max. Bore Diameter (mm)	Rated*1 torque (N·m)	Max.*1 torque (N·m)	Max. Rotational Frequency (min ⁻¹)	Moment*2 of Inertia (kg·m ²)	Static Torsional Stiffness (N·m/rad)	Max. Lateral Misalignment (mm)	Max. Angular Misalignment (°)	Mass*2 (g)
MOR-12C	5	1	2	52000	6.6×10 ⁻⁶	60	1	3	3
MOR-15C	6	1.6	3.2	42000	1.7×10 ⁻⁷	80	1	3	5
MOR-17C	6.35	2.2	4.4	37000	3.8×10 ⁻⁷	120	1.2	3	9
MOR-20C	10	3.2	6.4	31000	8.0×10 ⁻⁷	120	1.2	3	13
MOR-26C	14	6	12	24000	2.5×10 ⁻⁶	300	1.5	3	24
MOR-30C	14	15	30	21000	5.3×10 ⁻⁶	530	2	3	39
MOR-34C	16	16	32	18000	8.6×10 ⁻⁶	1000	2.5	3	50
MOR-38C	20	28	56	16000	1.5×10 ⁻⁵	1500	2.5	3	67
MOR-45C	20	30	60	14000	3.2×10 ⁻⁵	2400	3	3	110
MOR-55C	25	45	90	11000	1.0×10 ⁻⁴	4100	4	3	230
MOR-68C	35	80	160	9000	3.3×10 ⁻⁴	6400	4.5	3	440

*1: Values with no load fluctuation and rotation in a single direction. If there is large load fluctuation, or both normal and reverse rotation, select a size with some margin. 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. The allowable operating temperature of **MOR-C** is -20°C to 80°C.

*2: These are values with max. bore diameter.

Comparison of rated torque



Ambient Temperature / Temperature Correction Factor

Ambient temperature	Temperature correction factor
-20°C to 30°C	1.00
30°C to 40°C	0.80
40°C to 60°C	0.70
60°C to 80°C	0.55

Part number specification

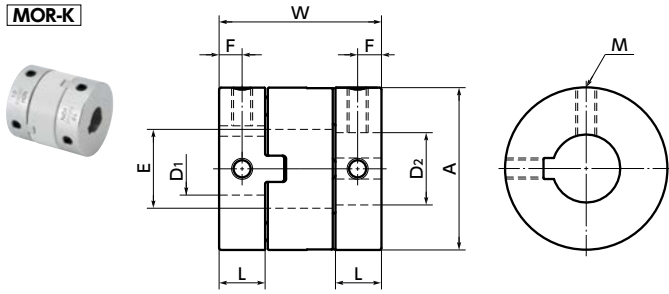
MOR-55C - 18-20 1 set

MOR - 20 - SPCR Single Spacer

Product Code Outside Diameter (A Dimension) Single Spacer

MOR-K Flexible coupling - Oldham - type - Set screw + Key type

[WEB Selection Tool](#)
[WEB CAD Download](#)
[High torque](#)
[Electrical Insulation](#)
[High Allowable Misalignment](#)
[Small Eccentric Reaction Force](#)



Dimensions

Unit : mm

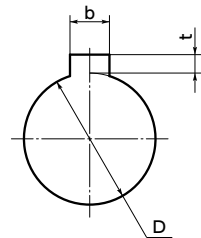
Part Number	A	L	W	E	F	M	Screw Tightening Torque (N·m)
MOR-15K	15	4.4	16	8.2	2.2	M3	0.7
MOR-17K	17	4.9	19.8	8.2	2.5	M3	0.7
MOR-20K	20	5.8	21.4	12.2	2.9	M4	1.7
MOR-26K	26	7.3	25.6	14.2	3.7	M4	1.7
MOR-30K	30	10	32.5	16.2	5	M4	1.7
MOR-34K	34	11.1	34	16.2	5.6	M5	4
MOR-38K	38	12.1	40	20.3	6.1	M5	4
MOR-45K	45	13.8	46	22.3	6.9	M6	7
MOR-55K	55	18.7	57	26.5	9.4	M8	15
MOR-68K	68	24	77	38.5	12	M10	30

Part Number	Standard Bore Diameter (dimensional allowance H8) D1 · D2														
	6	8	10	12	14	15	16	18	20	22	25	28	30	35	38
MOR-15K	●	●													
MOR-17K	●	●													
MOR-20K	●	●	●	●											
MOR-26K	●	●	●	●	●										
MOR-30K		●	●	●	●	●									
MOR-34K			●	●	●	●	●								
MOR-38K			●	●	●	●	●	●							
MOR-45K			●	●	●	●	●	●	●						
MOR-55K				●	●	●	●	●	●	●					
MOR-68K							●	●	●	●	●	●	●	●	●

- All products are provided with hex socket set screw.
- Recommended dimensional allowances of applicable shaft diameter are h6 and h7.
- A set of hubs with key type for one side and clamping type for the other side is available upon request.

Unit : mm

Details of Shaft Hole



Standard bore diameter D	Keyway				Key
	b	t	Standard Dimension	Allowance	
6	2	±0.0125	1.0	+0.1 0	2×2
8	3	±0.0125	1.4	+0.1 0	3×3
10 · 12	4	±0.0150	1.8	+0.1 0	4×4
14 · 15 · 16	5	±0.0150	2.3	+0.1 0	5×5
18 · 20 · 22	6	±0.0150	2.8	+0.1 0	6×6
25 · 28	8	±0.0180	3.3	+0.2 0	8×7
30 · 35 · 38	10	±0.0180	3.3	+0.2 0	10×8

● Excerpt from JIS B 1301

[Additional Keyway at Shaft Hole → P.803](#)
[Cleanroom Wash & Packaging → P.807](#)
[Change to Stainless Steel Screw → P.805](#)

Please feel free to contact us

Available / Add'l charge

Available / Add'l charge

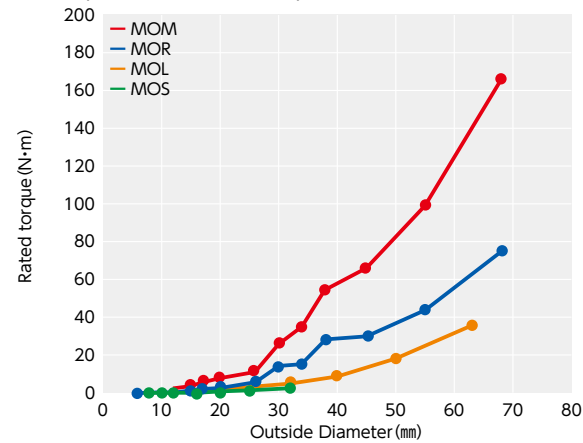
Performance

Part Number	Max. Bore Diameter (mm)	Rated*1 torque (N·m)	Max.*1 torque (N·m)	Max. Rotational Frequency (min ⁻¹)	Moment*2 of Inertia (kg·m ²)	Static Torsional Stiffness (N·m/rad)	Max. Lateral Misalignment (mm)	Max. Angular Misalignment (°)	Mass*2 (g)
MOR-15K	8	1.6	3.2	42000	1.4×10 ⁻⁷	80	1	3	4
MOR-17K	8	2.2	4.4	37000	2.8×10 ⁻⁷	120	1.2	3	7
MOR-20K	12	3.2	6.4	31000	5.6×10 ⁻⁷	120	1.2	3	8
MOR-26K	14	6	12	24000	2.0×10 ⁻⁶	300	1.5	3	19
MOR-30K	16	15	30	21000	5.4×10 ⁻⁶	530	2	3	37
MOR-34K	16	16	32	18000	9.0×10 ⁻⁶	1000	2.5	3	51
MOR-38K	20	28	56	16000	1.5×10 ⁻⁵	1500	2.5	3	68
MOR-45K	22	30	60	14000	3.2×10 ⁻⁵	2400	3	3	110
MOR-55K	26	45	90	11000	1.0×10 ⁻⁴	4100	4	3	230
MOR-68K	38	80	160	9000	3.3×10 ⁻⁴	6400	4.5	3	430

*1 : Values with no load fluctuation and rotation in a single direction. If there is large load fluctuation, or both normal and reverse rotation, select a size with some margin. 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. The allowable operating temperature of MOR-K is -20°C to 80°C.

*2 : These are values with max. bore diameter.

Comparison of rated torque

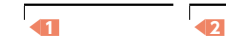


Ambient Temperature / Temperature Correction Factor

Ambient temperature	Temperature correction factor
-20°C to 30°C	1.00
30°C to 40°C	0.80
40°C to 60°C	0.70
60°C to 80°C	0.55

Part number specification

MOR-26K-8-10 1 set



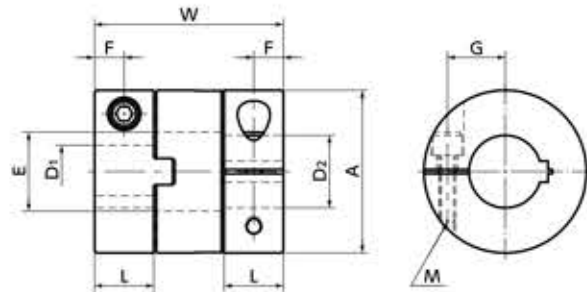
MOR - 20 - SPCR Single Spacer

Product Code Outside Diameter (A Dimension) Single Spacer

MOR-CK Flexible coupling - Oldham - type - Clamping + Key type

Selection Tool
 CAD Download
 High torque
 Electrical Insulation
 High Allowable Misalignment
 Small Eccentric Reaction Force

MOR-CK



Dimensions

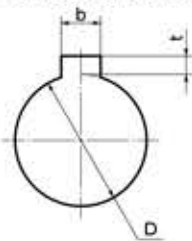
Unit : mm

Part Number	A	L	W	E	F	G	M	Screw Tightening Torque (N·m)
MOR-15CK	15	7	21.2	8.2	3.5	5	M2.5	1
MOR-17CK	17	7.3	24.5	8.2	3.7	6	M2.5	1
MOR-20CK	20	8.8	27.4	12.2	4.4	7.5	M3	1.5
MOR-26CK	26	9.7	30.4	14.2	4.9	9.5	M3	1.5
MOR-30CK	30	10	32.5	16.2	5	11.1	M4	2.5
MOR-34CK	34	11.1	34	16.2	5.6	12.6	M4	2.5
MOR-38CK	38	12.1	40	20.3	6	14.2	M5	4
MOR-45CK	45	13.8	46	22.3	6.9	16	M5	4
MOR-55CK	55	18.7	57	26.5	9.4	20	M6	8
MOR-68CK	68	24	77	38.5	12	26	M8	16

Part Number	Standard Bore Diameter D1 · D2													
	6	8	10	12	14	15	16	18	20	22	25	28	30	35
MOR-15CK	●													
MOR-17CK	●													
MOR-20CK	●	●	●											
MOR-26CK	●	●	●	●										
MOR-30CK		●	●	●	●									
MOR-34CK			●	●	●	●								
MOR-38CK			●	●	●	●	●							
MOR-45CK				●	●	●	●	●						
MOR-55CK					●	●	●	●	●					
MOR-68CK								●	●	●	●	●	●	●

- All products are provided with hex socket head cap screw.
- Recommended dimensional allowances of applicable shaft diameter are h6 and h7.
- A set of hubs with clamping + key type for one side and clamping type or other types for the other side is available upon request.
- In case of mounting on D-cut shaft, be careful about the position of the D-cut surface of the shaft. → P.258

● Details of Shaft Hole



Standard bore diameter D	Keyway		Key	
	b	t	Standard Dimension	Nominal dimension b×h
6	2	1.0	±0.0125	2×2
8	3	1.4	±0.0125	3×3
10 · 12	4	1.8	±0.0150	4×4
14 · 15 · 16	5	2.3	±0.0150	5×5
18 · 20 · 22	6	2.8	±0.0150	6×6
25 · 28	8	3.3	±0.0180	8×7
30 · 35	10	3.3	±0.0180	10×8

● Excerpt from JIS B 1301

Additional Keyway at Shaft Hole → P.803
 Cleanroom Wash & Packaging → P.807
 Change to Stainless Steel Screw → P.805

Please feel free to contact us

Available / Add'l charge

Available / Add'l charge

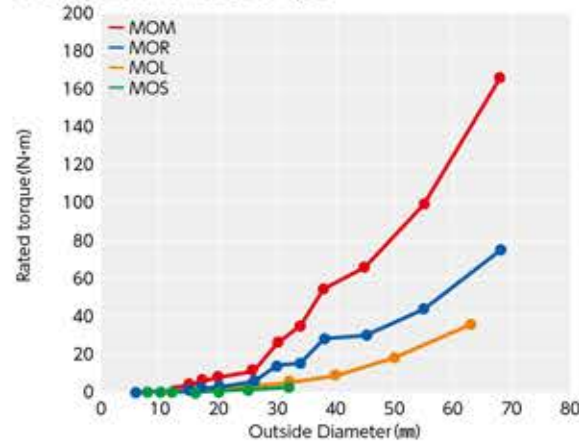
Performance

Part Number	Max. Bore Diameter (mm)	Rated*1 torque (N·m)	Max.*1 torque (N·m)	Max. Rotational Frequency (min ⁻¹)	Moment*2 of Inertia (kg·m ²)	Static Torsional Stiffness (N·m/rad)	Max. Lateral Misalignment (mm)	Max. Angular Misalignment (°)	Mass*2 (g)
MOR-15CK	6	1.6	3.2	42000	1.8×10 ⁻⁷	80	1	3	5
MOR-17CK	6.35	2.2	4.4	37000	3.8×10 ⁻⁷	120	1.2	3	9
MOR-20CK	10	3.2	6.4	31000	8.0×10 ⁻⁷	120	1.2	3	13
MOR-26CK	14	6	12	24000	2.5×10 ⁻⁶	300	1.5	3	23
MOR-30CK	14	15	30	21000	5.2×10 ⁻⁶	530	2	3	38
MOR-34CK	16	16	32	18000	8.6×10 ⁻⁶	1000	2.5	3	49
MOR-38CK	20	28	56	16000	1.5×10 ⁻⁵	1500	2.5	3	64
MOR-45CK	20	30	60	14000	3.2×10 ⁻⁵	2400	3	3	110
MOR-55CK	25	45	90	11000	1.0×10 ⁻⁴	4100	4	3	230
MOR-68CK	35	80	160	9000	3.3×10 ⁻⁴	6400	4.5	3	440

*1: Values with no load fluctuation and rotation in a single direction. If there is large load fluctuation, or both normal and reverse rotation, select a size with some margin. 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. The allowable operating temperature of [MOR] is -20°C to 80°C.

*2: These are values with max. bore diameter.

● Comparison of rated torque



● Ambient Temperature / Temperature Correction Factor

Ambient temperature	Temperature correction factor
-20°C to 30°C	1.00
30°C to 40°C	0.80
40°C to 60°C	0.70
60°C to 80°C	0.55

● Part number specification

MOR-38CK - 14-15 1 set

MOR - 20 - SPCR Single Spacer
 Product Code Outside Diameter (A Dimension) Single Spacer