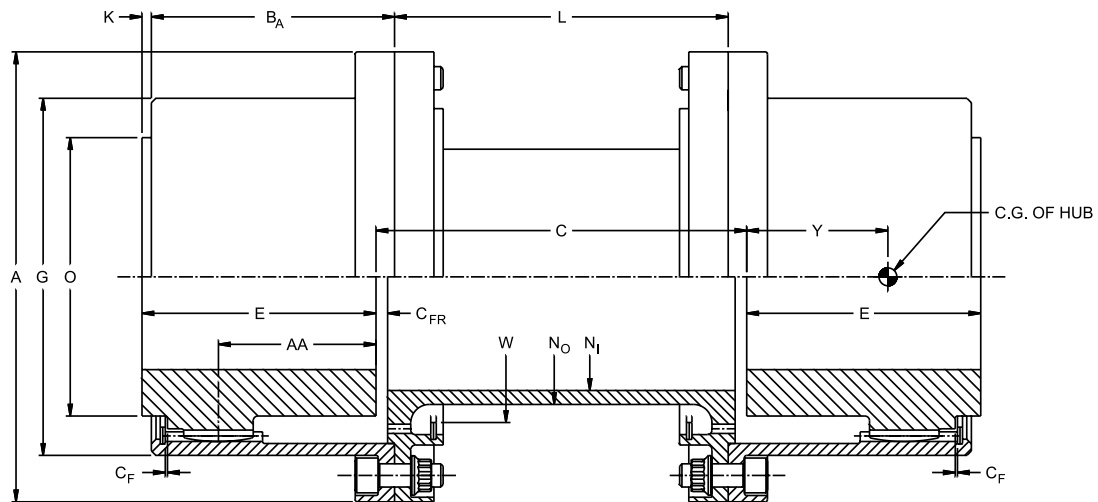
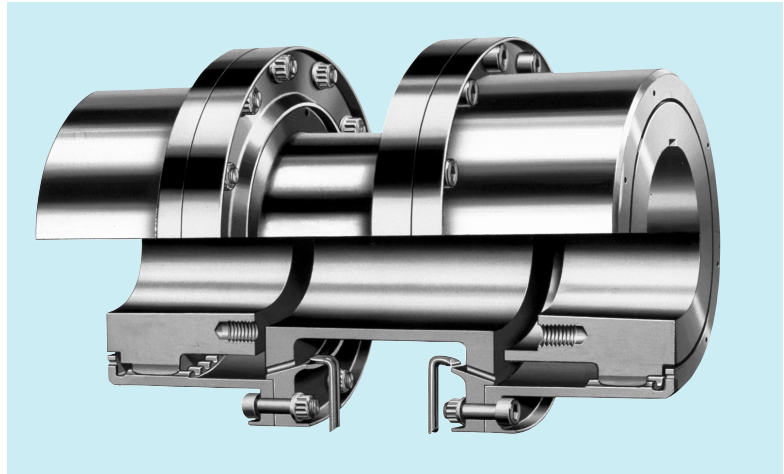


## ACCS/RM Gear Coupling Continuous Lubrication Sizes #1 1/4 - #7

ACCS/RM nomenclature denotes:  
AC—Series AC coupling,  
C—continuous oil lubrication, S—oil  
introduced thru the spacer, and  
RM—reduced moment.

- Lightweight
- Low overhung moment



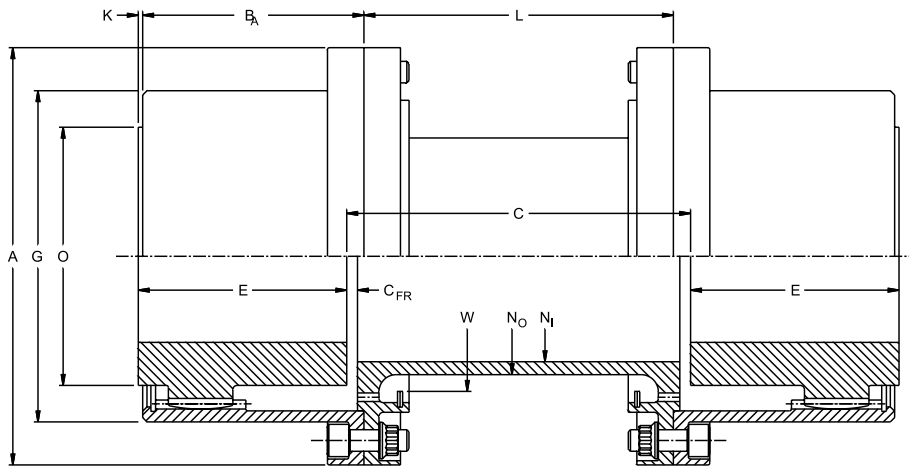
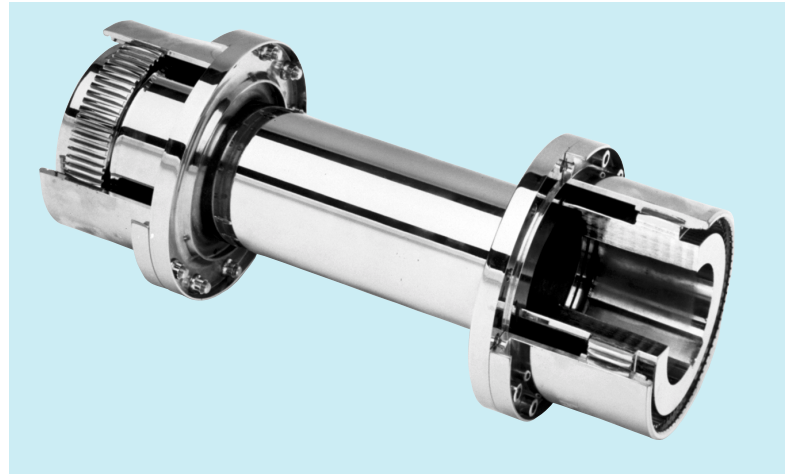
SIZE	DIMENSIONS (INCHES)																		SIZE
	A	C	C <sub>A</sub>	C <sub>F</sub>	C <sub>FR</sub>	G	L	N <sub>I</sub>	N <sub>O</sub>	O	W	LONG HUB							
												BORE	E	B	BA	A-A	Y		
1 1/4	4 3/32	5	3/16	1/32	1/8	3 1/16	4 5/8	1 1/2	1 3/4	2 1/4	2 3/8	1 1/2	1 7/8	8 3/4	2 1/16	1.28	.97	1 1/4	
1 1/2	5	5	7/32	1/16	1/8	3 31/32	4 9/16	1 7/8	2 1/4	3	3 3/16	2	2 7/16	9 7/8	2 21/32	1.69	1.25	1 1/2	
2	6 1/16	5	1/4	1/16	5/32	4 13/16	4 1/2	2 5/8	3	3 3/4	3 15/16	2 1/2	3 1/32	11 1/16	3 9/32	2.13	1.58	2	
2 1/2	7	5	9/32	3/32	3/16	5 11/16	4 7/16	3 11/32	3 3/4	4 1/2	4 3/4	3	3 19/32	12 3/16	3 7/8	2.50	1.88	2 1/2	
3	8 3/16	5	9/32	3/32	3/16	6 21/32	4 7/16	4 1/16	4 1/2	5 1/4	5 9/16	3 1/2	4 3/16	13 3/8	4 15/32	2.98	2.19	3	
3 1/2	9 5/16	7	5/16	1/8	3/16	7 31/64	6 3/8	4 3/4	5 1/4	6	6 3/8	4	4 3/4	16 1/2	5 1/16	3.31	2.38	3 1/2	
4	10 1/2	7	3/8	1/8	1/4	8 1/2	6 1/4	5 1/2	6	6 3/4	7 3/16	4 1/2	5 5/16	17 5/8	5 11/16	3.78	2.72	4	
4 1/2	11 9/16	7	3/8	5/32	1/4	9 17/32	6 1/4	6 3/16	6 3/4	7 1/2	8	5	6 1/32	19 1/16	6 13/32	4.30	3.14	4 1/2	
5	13 13/16	10	7/16	5/32	5/16	11 1/4	9 1/8	7 9/16	7 1/2	9	9 5/8	6	7 13/32	24 13/16	7 27/32	5.34	3.88	5	
6	16 3/16	10	1/2	3/16	3/8	13 3/16	9	9	9	10 1/2	11 1/8	7	8 11/16	27 3/8	9 3/16	6.47	4.55	6	
7	18 1/4	12	1/2	3/16	3/8	15 1/4	11	10 13/32	10 1/2	12	12 7/8	8	9 23/32	31 7/16	10 7/32	7.41	5.13	7	

Contact KOP-FLEX for larger sizes.  
See page 30 for maximum bore capacity.

## ACCS/RMD Gear Coupling Continuous Lubrication Sizes #1 1/2 - #7

ACCS/RMD nomenclature denotes:  
AC—Series AC coupling, C—  
continuous oil lubrication, S—oil  
introduced thru the spacer, and  
RM—reduced moment, D—Damless.

- Lightweight
- Damless



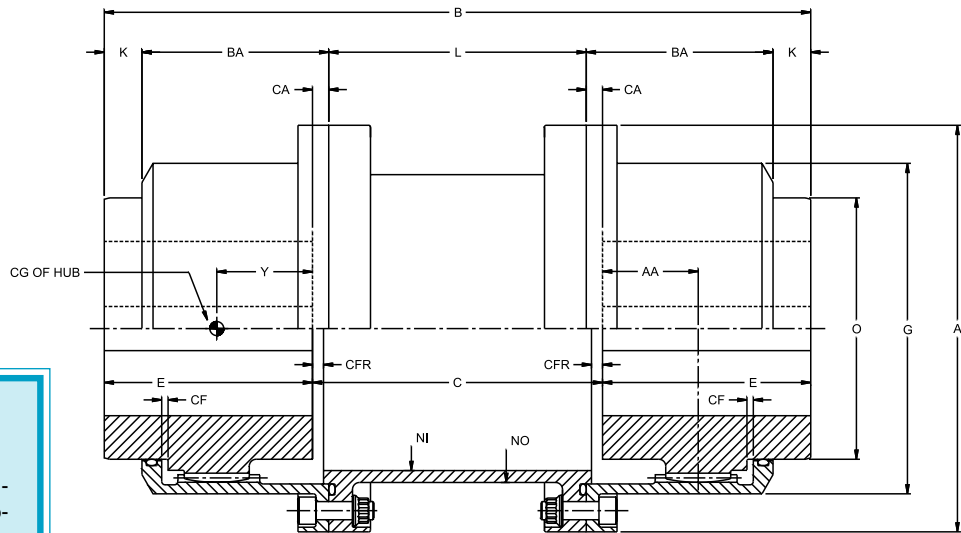
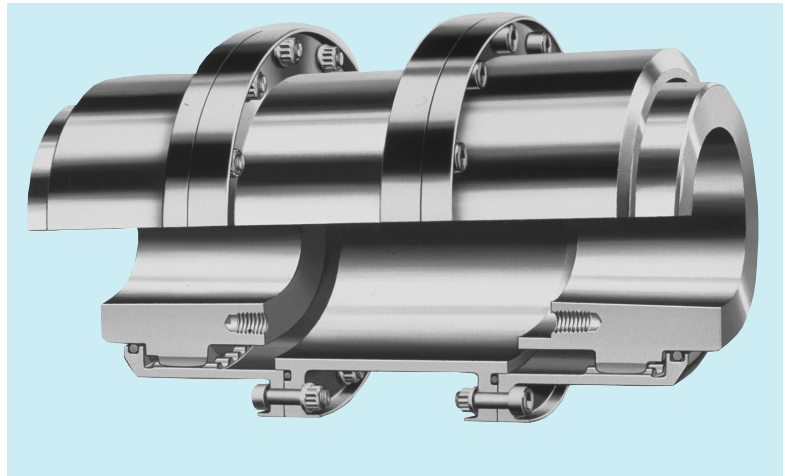
Coupling Size	A (in.)	BA (in.)	"Std" C Shaft Sep. (in.)	C <sub>FR</sub> (in.)	E Fit Length (in.)	G (in.)	K (in.)	"Std" L Spacer Length (in.)	W Oil Inlet (in.)	N <sub>O</sub> (in.)	N <sub>I</sub> (in.)
1.5	5.00	2.59	5	0.12	2.44	3.97	0.06	4.56	3.19	2.25	1.88
2.0	6.06	3.22	5	0.16	3.03	4.81	0.06	4.50	3.94	3.00	2.62
2.5	7.00	3.81	5	0.19	3.59	5.69	0.06	4.44	4.75	3.75	3.34
3.0	8.19	4.25	5	0.19	4.19	6.66	0.16	4.56	5.56	4.50	4.06
3.5	9.31	4.88	7	0.19	4.75	7.48	0.19	6.38	6.38	5.25	4.75
4.0	10.50	5.56	7	0.25	5.31	8.50	0.12	6.25	7.19	6.00	5.50
4.5	11.56	6.28	7	0.25	6.03	9.53	0.12	6.25	8.00	6.75	6.19
5.0	13.81	7.63	10	0.31	7.41	11.25	0.22	9.12	9.62	8.25	7.56
6.0	16.19	9.13	10	0.38	8.69	13.19	0.06	9.00	11.12	9.75	9.00
7.0	18.25	10.19	12	0.38	9.81	15.25	0.12	11.00	12.88	11.25	10.41

Contact KOP-FLEX for larger sizes.  
See page 30 for maximum bore capacity.  
Damless couplings require increased lube flow. Consult KOP-FLEX for recommendations.

## ACPL Gear Coupling Continuous Lubrication Sizes #1 1/4 - #7

The ACPL nomenclature denotes:  
AC Series AC coupling, PL—packed lubrication.

- Packed lube w/KHP Grease
- Low to moderate speed range
- No oil nozzels



### KOP-FLEX Coupling Greases

KOP-FLEX offers greases specifically designed for use in coupling applications. To ensure proper lubrication and long service life, use KOP-FLEX KSG Standard Coupling Grease, or KHP High Performance Coupling Grease. See page 63 for detailed specifications.

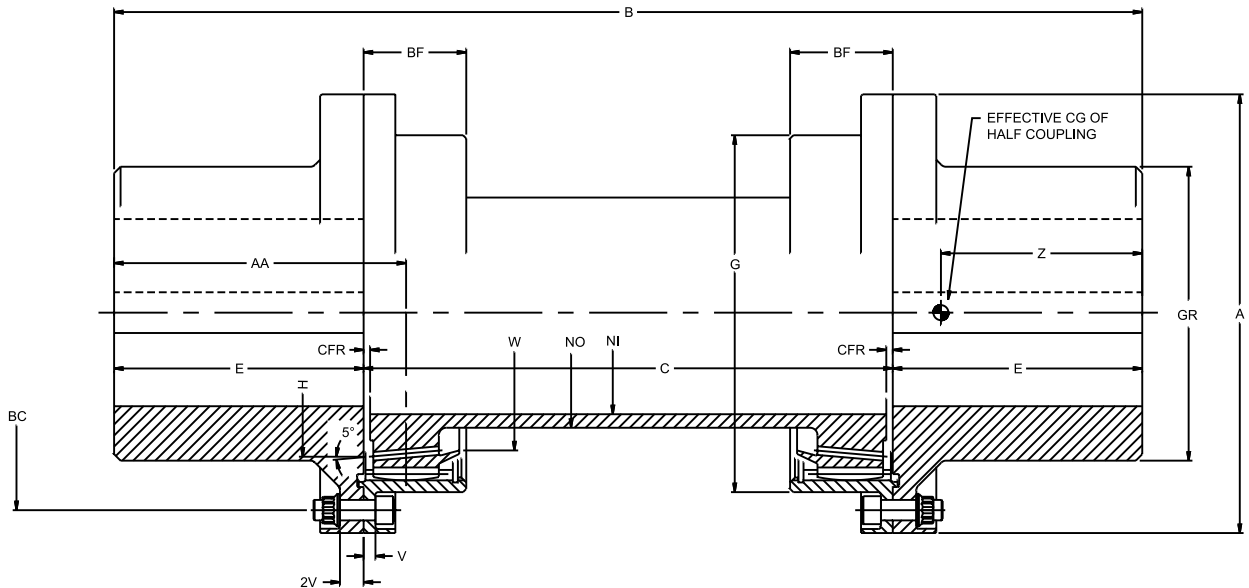
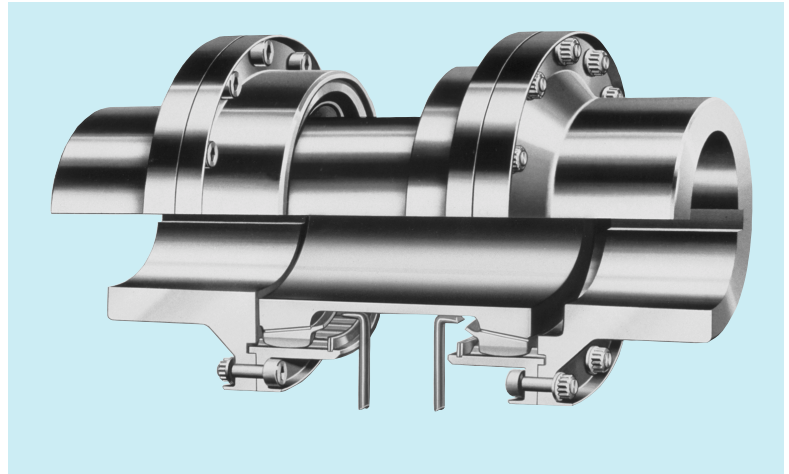
SIZE	DIMENSIONS (INCHES)													SIZE				
	A	B <sub>A</sub>	C	C <sub>A</sub>	C <sub>F</sub>	C <sub>FR</sub>	G	L	N <sub>I</sub>	N <sub>O</sub>	O	A-A	MAXIMUM BORE					
													BORE		E	B	K	Y
1 1/4	4 3/32	1 19/32	5	3/16	1/32	1/8	3 1/16	4 5/8	2 15/32	2 23/32	2 1/4	.69	1 1/2	1 7/8	8 3/4	15/32	.90	1 1/4
1 1/2	5	2	5	7/32	1/16	1/8	3 31/32	4 9/16	3 5/16	3 9/16	3	.85	2	2 7/16	9 7/8	21/32	1.17	1 1/2
2	6 1/16	2 19/32	5	1/4	1/16	5/32	4 13/16	4 1/2	4 1/16	4 25/64	3 3/4	1.25	2 1/2	3 1/32	11 1/16	11/16	1.50	2
2 1/2	7	3 7/32	5	9/32	3/32	3/16	5 11/16	4 7/16	4 57/64	5 19/64	4 1/2	1.65	3	3 19/32	12 3/16	21/32	1.79	2 1/2
3	8 3/16	3 3/4	5	9/32	3/32	3/16	6 21/32	4 7/16	5 45/64	6 5/32	5 1/4	1.98	3 1/2	4 3/16	13 3/8	23/32	2.09	3
3 1/2	9 5/16	4 3/8	7	5/16	1/8	3/16	7 31/64	6 3/8	6 1/2	7 1/32	6	2.38	4	4 3/4	16 1/2	11/16	2.30	3 1/2
4	10 1/2	4 15/16	7	3/8	1/8	1/4	8 1/2	6 1/4	7 3/8	7 31/32	6 3/4	2.63	4 1/2	5 5/16	17 5/8	3/4	2.62	4
4 1/2	11 9/16	5 1/2	7	3/8	5/32	1/4	9 17/32	6 1/4	8 7/32	8 27/32	7 1/2	3.02	5	6 1/32	19 1/16	29/32	3.01	4 1/2
5	13 13/16	6 9/32	10	7/16	5/32	5/16	11 1/4	9 1/8	9 7/8	10 5/8	9	3.47	6	7 13/32	24 13/16	1 9/16	3.70	5
6	16 3/16	7 19/32	10	1/2	3/16	3/8	13 3/16	9	11 3/8	12 5/16	10 1/2	4.56	7	8 11/16	27 3/8	1 19/32	4.38	6
7	18 1/4	8 25/32	12	1/2	3/16	3/8	15 1/4	11	13 1/4	14 1/4	12	5.63	8	9 23/32	31 5/8	1 7/16	4.94	7

Contact KOP-FLEX for larger sizes.

## ACCM Gear Coupling Continuous Lubrication Sizes #1 1/4 - #7

The ACCM nomenclature denotes:  
AC Series AC coupling, C-  
continuous oil lubrication, M-Marine  
Style.

- Marine Style
- Replace flex section without removing hubs



Size	A	B <sub>C</sub>	B <sub>F</sub>	C	C <sub>FR</sub>	G	N <sub>I</sub>	N <sub>O</sub>	V	W	SHORT RIGID HUB					LONG RIGID HUB						
											BORE	E	B	G <sub>r</sub>	A-A	Y	BORE	E	B	G <sub>r</sub>	A-A	Y
1 1/2	5	4.410	1 11/32	5	3/32	3 3/32	1 11/16	2 1/8	5/32	2 7/8	1 1/2	1 7/8	8 3/4	2 1/4	2.41	1.58	2 1/2	2 7/16	9 7/8	3 3/4	2.97	1.58
2	6 1/16	5.350	1 17/32	5	3/32	4 15/16	2 5/16	2 13/16	7/32	3 9/16	2	2 7/16	9 7/8	3	3.06	1.94	3 1/8	3 1/32	11 1/16	4 1/2	3.66	1.93
2 1/2	7	6.270	1 3/4	5	1/8	5 11/16	3 1/4	3 11/16	7/32	4 7/16	2 1/2	3 1/32	11 1/16	3 3/4	3.78	2.26	3 7/8	3 19/32	12 3/16	5 7/16	4.34	2.19
3	8 3/16	7.330	1 29/32	5	1/8	6 21/32	3 13/16	4 5/16	7/32	5 1/8	3	3 19/32	12 3/16	4 1/2	4.41	2.61	4 1/2	4 3/16	13 3/8	6 3/8	5.00	2.53
3 1/2	9 3/16	8.280	2 1/4	7	5/32	7 31/64	4 3/8	4 15/16	1/4	5 13/16	3 1/2	4 3/16	15 3/8	5 1/4	5.16	2.98	4 7/8	4 3/4	16 1/2	7 1/8	5.72	2.29
4	10 1/2	9.400	2 13/32	7	5/32	8 1/2	4 13/16	5 1/2	9/32	6 9/16	4	4 3/4	16 1/2	6	5.84	3.33	5 5/8	5 5/16	17 5/8	8 1/16	6.40	3.22
4 1/2	11 9/16	10.450	2 7/8	7	3/16	9 17/32	5 3/8?	6 1/8	9/32	7 1/4	4 1/2	5 5/16	17 5/8	6 3/4	6.56	3.71	6 1/2	6 1/32	19 1/16	9 3/16	7.78	3.60
5	13 13/16	12.400	3 9/32	10	3/16	11 1/4	6 13/16	7 5/8	11/32	8 13/16	5	6 1/32	22 1/16	7 1/2	7.50	4.33	7 1/2	7 9/32	24 9/16	10 7/8	8.75	4.32
6	16 3/16	14.250	3 7/8	10	1/4	13 5/16	7 3/4	8 3/4	13/32	10	6	7 9/32	24 9/16	9	8.97	5.21	8 7/8	8 15/32	26 15/16	12 3/4	10.15	5.07
7	18 1/4	16.580	4 1/8	12	1/4	15 1/4	9 1/2	10 1/2	13/32	11 7/8	7	8 15/32	28 15/16	10 1/2	10.28	5.80	10 1/4	9 25/32	31 7/16	14 5/8	11.53	5.67

Contact KOP-FLEX for larger sizes.

### SELECTION EXAMPLE

**EXAMPLE:** Steam Turbine/Centrifugal Compressor (API 671 required; 1.75 application factor; reduced moment required on compressor shaft; 1/4° angular misalignment capacity required)

Turbine Shaft — 6.0” tapered, keyless hydraulic  
Compressor shaft — 6” tapered, keyless hydraulic  
24” shaft separation

Normal load: 42000 HP at 6000 RPM

Continuous torque capacity required (lb-in.)

$42000 \times 63025 \times 1.75 = 772100 \text{ lb-in.}$

6000

**SELECTION:** #5.0 ACCS/RM

### CLASS “AC” COUPLING SELECTION DATA

Coupling Size	Max. Bore Capacity (in.)	Max. Continuous Rating (lb-in.)	Peak Rating (lb-in)	Maximum Speed (rpm)
1.5	2.0	34,000	45,000	34,400
2.0	2.5	66,800	90,000	28,400
2.5	3.0	116,000	160,000	24,600
3.0	3.5	182,800	250,000	21,000
3.5	4.0	274,200	375,000	18,500
4.0	4.5	390,800	550,000	16,400
4.5	5.0	535,700	750,000	14,900
5.0	6.0	926,500	1,250,000	12,500
6.0	7.0	1,178,600	2,000,000	10,600
7.0	8.0	1,471,000	3,000,000	9,420

Notes: (1) Max. Continuous Rating based on Nitrided gearing.

### When Ordering, specify the following information:

- 1) Quantity and delivery requirements.
- 2) Shaft or bore sizes, keyway dimensions.
- 3) Load-horsepower and/or torque at a specific rpm. State normal (steady-state) and peak (transient) conditions.
- 4) Speed-minimum, normal maximum.
- 5) application - type of driving and driven equipment.
- 6) Space limitations-envelope dimensions, and shaft separations.
- 7) Unusual misalignment conditions, normal and maximum.
- 8) Modifications and special requirements.
- 9) Unusual operating conditions-ambient temperature and atmosphere.