



# HECO GEAR

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# 16DCF22 Marketing Sheet

### Flange and Shaft

| Code  | Description                                   |
|-------|---|
| 16DCF | Model 16 Double Reduction Center Flange Mount |
| 22    | 4 Bolt Flanged Shaft w/ 5/8" Studs Shaft      |

### Motor Adapter Options

| Code | Description                |
|------|----------------------------|
| 0    | SAE B 4.00" Pilot 4 Bolt   |
| 4    | SAE A 3.25" Pilot 2&4 Bolt |
| 5    | SAE B 4.00" Pilot 2 Bolt   |
| 6    | SAE C 5.00" Pilot 2&4 Bolt |

### Ratio Options

| Code | Description                |
|------|----------------------------|
| 27   | 27.04 : 1 Double reduction |

### Order Information and Model Code

|        |       |               |       |             |                 |
|--------|-------|---------------|-------|-------------|-----------------|
| 16DCF  | 22    |               |       |             |                 |
| Flange | Shaft | Motor Adapter | Ratio | Design Code | Special Options |

### Sungear (Input Motor Shaft) Options

| Code      | Description   |
|-----------|---|
| 16B       | 7/8" 13T Spline 16/32 DP (1.40" to 1.75" shaft length)      |
| 16D       | 1" Straight Keyed (1.80" to 2.10" shaft length)             |
| 16H       | 1-1/4" Straight Keyed (2.05" to 2.40" shaft length)         |
| 16I       | 1-1/4" 14T Spline 12/24 DP (2.00" to 2.32" shaft length)    |
| 16M       | 1" SAE 6B Spline (1.95" to 2.30" shaft length)              |
| 16C       | 1" 15T Spline 16/32 DP (1.70" to 1.95" shaft length)        |
| 16E       | Charlynn 2000 Bearingless                                   |
| 16O       | 7/8" Keyed (1.80" to 2.09" shaft length)                    |
| 16P       | 1-1/8" Keyed (1.85" to 2.15" shaft length)                  |
| 16F       | Charlynn 4000 Bearingless                                   |
| 16S       | Danfoss OMSS  |
| 16-4000-H | 1-1/4" Straight Keyed for Charlynn Standard 4000 Motor      |
| 16-4000-I | 1-1/4" 14T Spline 12/24 DP for Charlynn Standard 4000 Motor |

### Performance Data

| Torque             | in-lbs        | ft-lbs       | Nm        |
|--------------------|---------------|--------------|-----------|
| Continuous         | 30,000 in-lbs | 2,500 ft-lbs | 3,390 Nm  |
| Intermittent       | 45,000 in-lbs | 3,750 ft-lbs | 5,085 Nm  |
| Peak               | 60,000 in-lbs | 5,000 ft-lbs | 6,780 Nm  |
| Radial Load        | 20,000 lbs    |              |           |
| Approximate Weight | 0 lbs         |              |           |
| Maximum Speed      | Ratio         | Output rpm   | Input rpm |
|                    | 27            | 85           | 2300      |

\* Maximum life in high torque applications will be achieved at lower output speeds. Conversely, maximum life in high speed applications will be achieved at lower output torques.

### Radial Load Chart

**Shaft Load vs. Load Position**  
**18,000,000 Revolution L<sub>10</sub> Life**  
**85W-140 Gear Oil**

