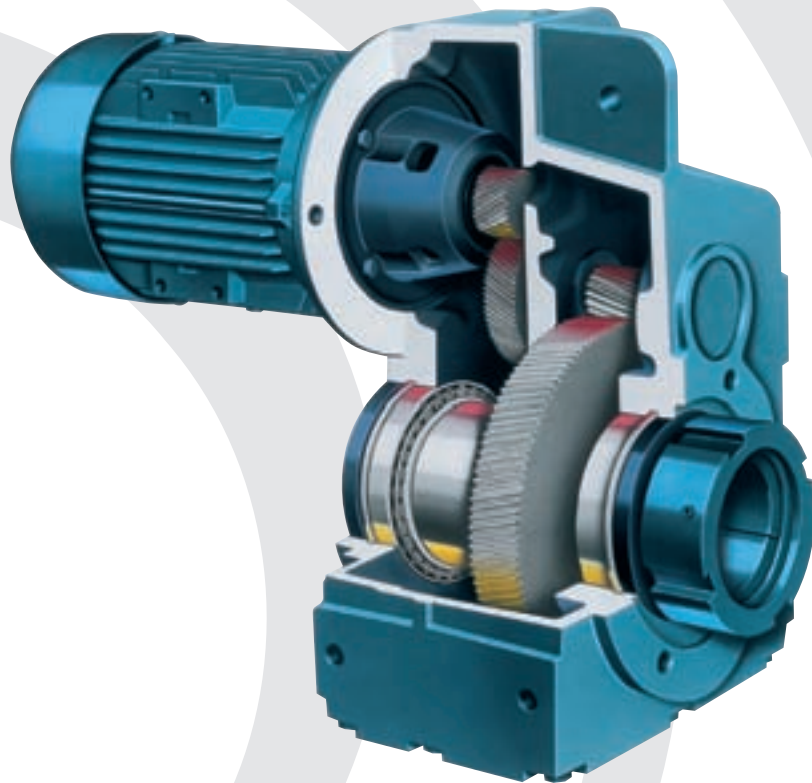


Falk™ Ultramite® UJ Shaft-Mounted
Offset Helical Gear Drive

Delivering The Right Punch
for Productivity (English-Inch)



REXNORD

FALK™ ULTRAMITE®

Delivers Local Availability, NEMA/IEC Compatibility Plus Drop-in Replacement

It's a winning combination. Start with a compact size that's the perfect fit for the .19KW/.25HP through 37KW/100HP power range. You can choose a standard plug-in high-efficiency NEMA/IEC motor from stock for an easy bolt-up mounting to the gear drive.

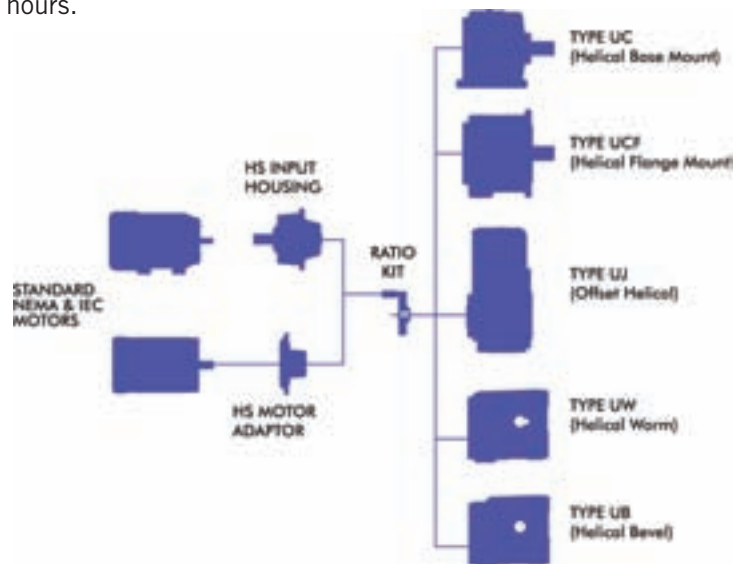
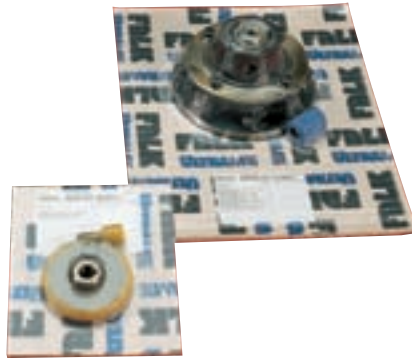
Add positive torque transfer without corrosion or fretting, energy efficiency over worm gear drives and quick availability no matter where you're located – and you've got the Falk Ultramite, a genuine contender in the fight for increased factory floor productivity.

What's more, the Ultramite is backed up by Rexnord, a global leader in the power transmission and conveying industry. It's got the right size, the right statistics and the right name.

The Ultramite – it delivers just the right punch.

Local Availability

The Ultramite product line is assembled from a family of convenient, cost-saving kitted sub-assemblies. The Ultramite sub-assembly kits are stocked at Rexnord facilities and distributors, offering a wide range of sizes, ratios and types for assembly. This totally modular approach to your complete gear drive and spare parts requirements ensures maximum local availability with the quickest possible turnaround times. In fact, completed assemblies can be available within hours.



Falk Ultramite UJ Shaft-Mounted Offset Helical

- 6 sizes
- .19KW to .30 KW (1/4 hp to 100 hp) capacity
- Ratios from 5:1 to 20,000:1
- C-face inputs provide convenient, beltless packages
- Base, shaft, or flange mounted designs
- Shaft-mounted designs utilize Falk's unique TA Taper® bushing
- CEMA screw conveyor design
- Horizontal or vertical mounting

This clean, compact package is perfect wherever shaft mounting is desired, but V-belts aren't. The UJ also features our TA bushing (exclusive lifetime removal guarantee), which allows easy, positive removal... even after years of rugged service.

Customer Preferred Motors

The Ultramite accepts standard, off-the-shelf NEMA/IEC C-face and flange mounted motors, permitting the use of customer-preferred motor brands. The Ultramite accommodates industry-standard frame sizes and the choice of motor manufacturer and specifications is up to you, without costly motor adapter systems and special replacement motors – ideal for use with variable speed motors and drives.

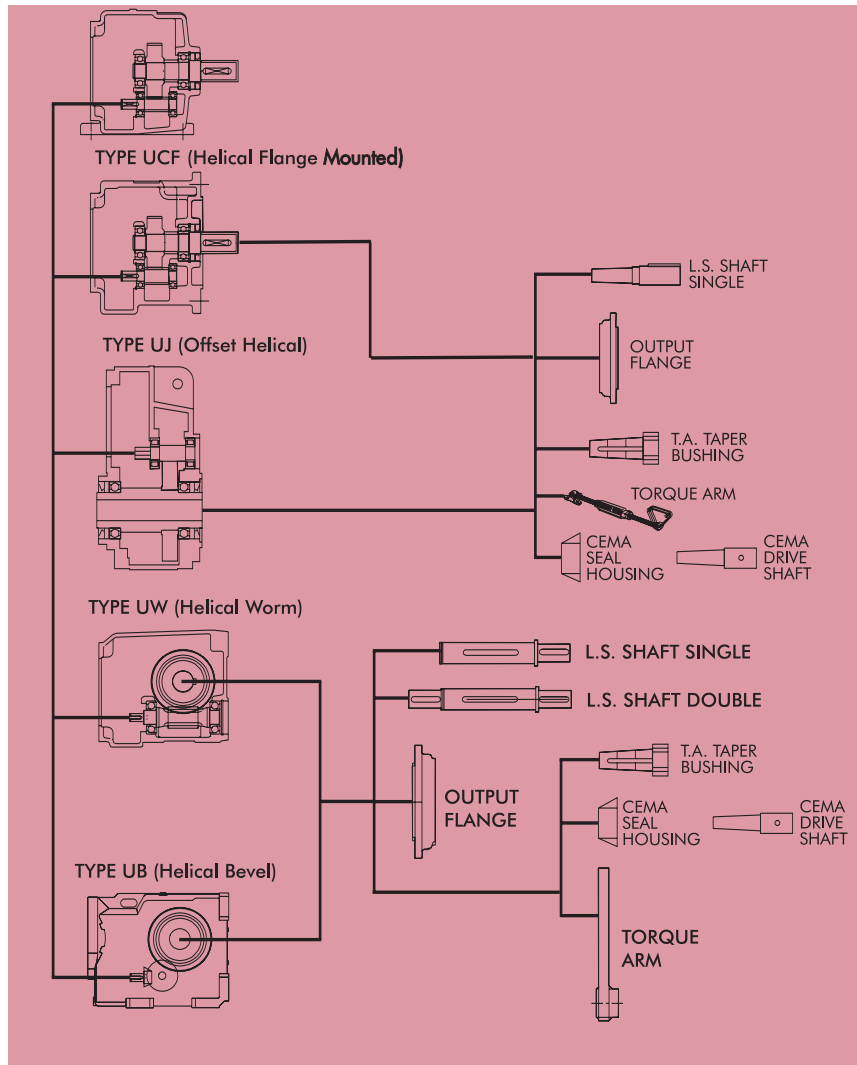


Patented Bushing

An innovative motor bushing eliminates fretting between motor and gear drive and delivers positive torque transfer. This patented design offers easy installation and allows quick, trouble-free changeout even after years of hard, continuous use.

Application Flexibility

The modular design of the entire Ultramite product line allows accessories to be quickly and easily fitted to the drive, delivering the versatility and flexibility needed for maximum application coverage. All four designs accommodate single or double solid output shafts. Additional accessories combined with other Rexnord products, provide the ideal system match for your specific application.

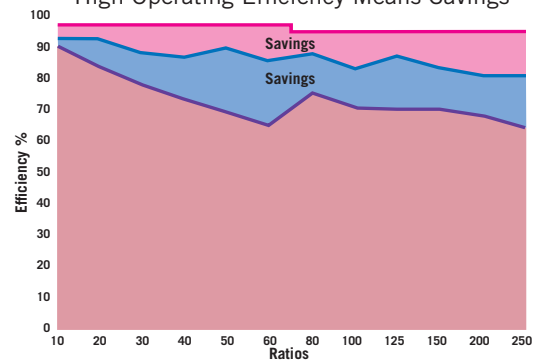


Cost Savings

Ultramite drives are more efficient than worm gearing. As a result, a smaller motor may be used at times in comparable selections, providing the customer both initial and long-term savings over worm gear drives.



Ultramite vs. Worm Gear Drives
High Operating Efficiency Means Savings



■ Ultramite UC, UJ, Helical and UB Helical Bevel
■ Ultramite UW Helical Worm
■ Typical Worm Gear Drives

Ultramite UJ Selection Guide



Selection Guide 281-310, July 2007

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Basic Information

Safety Notes

Gear Drives — The Falk and Rexnord name on the gear drive is the purchaser's assurance that the drive was engineered, rated and manufactured to sound design practices.

The power supplied to the geared drive must be equal to or less than the power for which the drive was selected using the appropriate service factor for the application. The customer must also assume the responsibility of isolating the gear drive from any vibratory or transient load induced by the driven equipment.

Install and operate Rexnord products in conformance with applicable local and national safety codes and per Rexnord installation manuals which are shipped with gear drives and are also available upon request. Suitable guards for rotating members may be purchased from Rexnord as optional accessories. Consult your local Rexnord Representative for complete details.

People Conveying Equipment — Selection of Rexnord gear drives for applications whose primary purpose is the transportation of people is not approved. This includes such applications as freight or passenger elevators, escalators, man lifts, work lift platforms and ski tows and ski lifts.

If the primary purpose of the application is material conveyance and occasionally people are transported, the Rexnord warranty may remain in effect provided the design load conditions are not exceeded and certification to the appropriate safety codes and load conditions has been obtained by the system designer or end user from the appropriate enforcement authorities.

Gear Drive Ratings — All gear drive ratings in this bulletin allow 100% overload for starting loads and momentary overloads for electric motor driven applications operating 10 hours per day under uniform conditions. For other conditions, compute an equivalent horsepower by multiplying the actual horsepower required for the application by the appropriate Service Factor.

Gear Drive Identification — Tables in this selection guide identify gear drives based on the drive nomenclature.

Horsepower & Torque/Gearmotor Drives — Gearmotor Drive mechanical horsepower and delivered torque ratings are tabulated only at 1750 rpm. Horsepower, output torque, and LSS OHL ratings for Gearmotor Drives do not always correspond to those of the comparable Inline Gear Drive of the same size, reduction, and ratio. In selected cases the Gearmotor Drive will have more rating than the corresponding Inline Gear Drive. When additional rating for Gearmotor Drives at 1750 rpm input is available, it will be as stated in the Gearmotor Drive Selection Tables. For Gearmotor Drive ratings at input speeds other than 1750 rpm, consult the Factory.

Horsepower & Torque/Gear Drives — Gear Drive mechanical horsepower and output torque ratings are tabulated in the Selection Guide to permit selections for specific application requirements. When the required input speed falls between two tabulated input speeds of a specific drive designation (size, reduction and ratio), interpolate to determine drive rating.

Lubricants — Drive Sizes 04, 06 & 07UJ will be supplied filled with a quantity of EP mineral oil suitable for the drive mounting position specified at the time of the order.

Drive Sizes 08, 09 & 10UJ are supplied without lubricant. The appropriate fill quantities and lubricant recommendations are stated in Manual 288-300 for UJ drives.

Stored & Inactive Gear Drives — Each gear drive is protected with rust preventive that will protect parts against rust for a period of 6 months in an indoor dry shelter.

Sizes 08 thru 10UJ — If a gear drive is to be stored, or is inactive after installation beyond the above periods, drain oil from housing and spray all internal parts with a rust preventive oil that is soluble in lubricating oil or add "Motorstor"™ vapor phase rust inhibitor at the rate of one ounce per cubic foot of internal drive space (or 5% of sump capacity) and rotate the shafts several times by hand. Before operating, drives which have been stored or inactive must be filled to the proper level with oil meeting the specifications given in Manual 288-300 for UJ drives. Refer to Manual 128-014 for "Start-up after Storage" instructions.

Periodically inspect stored or inactive gear drives and spray or add rust inhibitor every six months, or more often if necessary. Indoor dry storage is recommended.

Gear drives ordered for extended storage can be treated at the Factory with a special preservative and sealed to rust-proof parts for periods longer than those cited previously.

Factory Warranty — Falk products generally carry a limited, one-year warranty against defects in materials or workmanship; but for an actual statement of the Factory Warranty, ask your local Rexnord Representative or Falk/Rexnord Distributor for our Standard Conditions of Sale.

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The contents of this bulletin are subject to change without notice or obligation.
Information contained herein should be confirmed before placing orders.

Conditions Affecting Selections

Non-Standard Application Procedures

The following conditions may affect the gear drive selection procedure, drive size and auxiliary equipment being furnished.

Excessive Overloads — The maximum momentary or starting load must not exceed 200% of rated load (100% overload). Rated load is defined as gear drive rating with a Service Factor of 1.0. If the maximum starting or momentary load exceeds the above conditions, compute a second equivalent horsepower by dividing the peak load by two. The gear drive selected must have capacity equal to, or in excess of, the larger equivalent horsepower.

Reversing Service— Applications involving either more than 20 reversals per 10 hour period, or less than 20 reversals per 10 hour period with peak torques greater than 200% of normal load must be referred to Factory.

Stop and Start Service — Applications involving frequent stop and start overloads in excess of 10 times per day must be referred to Factory.

Brake Equipped Applications — When a gear drive is equipped with a “working” brake that is used to decelerate the motion of the system and the brake is located between the prime mover and the gear drive or on the rear of the motor, select the drive based on the brake rating or the highest equivalent horsepower, whichever is greater. If the brake is used for holding only and is applied after the motion of the system has come to rest, the brake rating must be less than 200% of the catalog rating, refer the application to Factory. Also refer to Factory all applications in which the brake is located on the output shaft of the gear drive.

Oversize Prime Mover — Published Service Factors do not cover applications that require oversize prime movers for high energy or peak loads. Refer such applications to Factory for selection of suitable drives.

Speed Variation — Gear drives offered in this Selection Guide are designed to operate with splash lubrication at all speeds for which they are catalogued, provided the appropriate amount of lubricant is present based on the drive mounting position (Refer to Manual Manual 288-300 for UJ drives for oil quantity associated with each gear drive mounting position). Variation of speed between cataloged speeds, or at speeds falling between cataloged speeds, is permissible.

Lubrication of Sizes 06 & 07UJ — These sizes are furnished filled with a quantity of oil. Quantity of oil furnished is based on the customer identified drive mounting position stated at the time of order. Standard drive mounting positions are shown in this selection guide. These sizes have no oil fill plug, oil drain plug, or vent plug. Standard oil furnished with the gear drive is a petroleum based extreme pressure lubricant conforming to AGMA Viscosity Grade 6EP, ISO Viscosity Grade 320, and no further lubrication of the gear drive is required.

Lubrication of Sizes 08, 09 & 10UJ — These sizes are furnished without oil. Customer oil fill is required. They are furnished with oil fill plug, oil drain plug, and vent plug. Lubricant quantity lubricant specifications, location of plugs, and recommended oil change frequency are stated in the Installation & Maintenance Guide 288-300 for UJ drives.

Variable or Multi-Speed Applications – All Types

When selecting gear drives for multi-speed or variable speed application, determine the speed which develops the greatest torque and select the drive on this basis. If the speed is not listed in the selection table, use the next lower speed.

Effects of Solar Energy — If a drive operates in the sun at ambient temperatures over 100°F, then special measures must be taken to protect the drive from solar energy. This protection can consist of a canopy over the drive or reflective paint on the drive. If neither is possible, a heat exchanger or other cooling device may be required.

Overhung Loads and Thrust Loads — The overhung load and thrust load ratings published in this bulletin are based on a combination of the most unfavorable conditions of rotation, speed, direction of applied load and drive loading. If the calculated load exceeds the published value, or if an overhung load and thrust load are applied simultaneously to a shaft, refer complete application information to Factory.

Non-Standard Mounting Positions — For non-standard mounting positions (other than those shown in this Selection Guide) refer to Factory for lubricant level and quantity.

Double Seal Option — Certain applications may dictate the use of double seals. This option, provided at an additional charge, is furnished as follows:

Gearmotors — A double seal is available only at the low speed shaft.

Inline Drives — A double seal is furnished at both the high speed and low speed shafts.

General Information

- Rexnord standards apply unless otherwise specified.
- All dimensions are for reference only and are subject to change without notice unless certified.
- H.S. Shaft or HSS = High Speed Shaft.
- L.S. Shaft or LSS = Low Speed Shaft.

Reference Notes

Dimensions are for reference only and will vary with motor manufacturer.

For higher ratio selections, consult the Factory. Check thermal input hp ratings. Selection tables are based on mechanical input hp ratings only.

UJ – How to Select & Order Gearmotors

Before making any selections, refer to the Basic Information and Conditions Affecting Selections on Pages 5 and 6.

Selection of Shaft Mounted Gearmotors

1. Determine Service Factor — See Pages 10 & 11.
2. Determine Motor Horsepower.
3. Determine Gearmotor Output Speed and Ratio.
4. Gearmotor Selection tables are included on Pages 16 through 33. These tables assume a motor base speed of 1750 rpm.

For ratings at other motor base speeds, consult your authorized Rexnord Sales Representative.

Go to the page that contains selections based on the specific C–Face motor you will be using. For example, selections for .50 hp, 1750 rpm, 56C frame motors are tabulated on Page 18.

Starting at the top of the first selection page pertinent to your motor requirement, move down the selections until a gearmotor meeting your output speed, ratio, reduction, and service factor requirements is located.

For example consider an application with a 1 hp, 1750 rpm/143TC frame motor, output speed of 45 rpm, nominal ratio of 40:1, and a required service factor of 2.00.

Page 20 contains selections for a 1 hp, 1750 rpm/143TC frame motor.

The Gearmotor 04UJAJ2A40.A_B has an output speed of 45 rpm, exact ratio of 38.72:1 and a service factor of 2.40 which meets our requirements.

Choose your required accessories and record the full nomenclature & part number.

5. Check Overhung Load — Permissible low speed shaft overhung load capacities are provided on Page 48. If overhung load is present, calculate the value of the overhung load per instructions on Page 47. Sprockets or other devices mounted on the output shaft of the gearmotor should be sized and positioned so the gearmotor overhung load capacities are not exceeded. Should applied overhung loads exceed the capacity of the initial gearmotor selected, a larger gearmotor of adequate capacity must be selected.
6. Check External Thrust Load — Permissible thrust loads are provided on Page 48. If thrust and overhung loads are applied simultaneously, or if loads exceed stated thrust capacities, consult your authorized Rexnord Sales Representative.
7. Check Gearmotor Dimensions — Pages 34 through 46.
8. When ordering, provide the gear drive mounting position from Page 13. If a mounted motor is ordered, specify motor mounting position, also from Page 13.

Example

Application: Belt conveyor, heavy duty, head shaft speed is 22 rpm, shaft mounted drive configuration is specified.

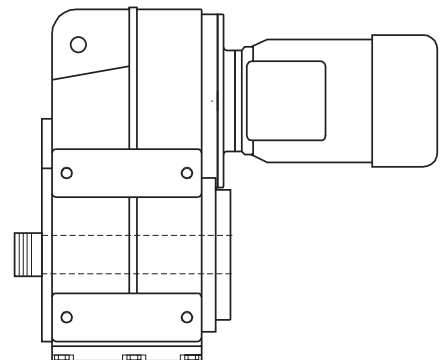
Duty Cycle: 16 hours per day.

Driver: 2 hp electric motor, 1750 rpm, 145TC frame.

Output: Head shaft diameter is 2.00". Approximate ratio required is 90:1.

1. Service Factor from Page 11 is 1.50.
2. Motor Horsepower is 2 hp.
3. From selection guide on Page 22, the appropriate gearmotor is the Size 07UJAJ2A90.A_B, part number 4762137, exact ratio 84.78:1 and a 1.75 service factor.
4. Confirm the availability of a Size 07 TA Taper bushing with a 2.00" bore from Page 43.
5. Check overhung load capacity on Page 48 — For this example there is no overhung load.
6. Check External Thrust Load Capacity on Page 48 — For this example there is no external thrust.
7. Check Dimensions on Page 34 or 37.
8. Specify Drive Mounting Position and Motor Mounting Position (If Mounted Motor is Requested) from Page 13 — For our example, the gearmotor is mounted in drive mounting position #1.

Regarding mounting of NEMA C–Face motors, the most common motor mounting position is "C", with the nameplate upward and the conduit box wiring hole down.



UJ – How to Select & Order Gear Drives

Before making any selections, refer to the Basic Information and Conditions Affecting Selections on Pages 5 and 6.

Selection of Shaft Mounted Gear Drives

1. Determine Service Factor — See Pages 10 & 11.
2. Determine Equivalent Horsepower — Calculate the equivalent hp by multiplying the motor hp by the service factor.
3. Determine Gear Drive Output Speed and Ratio.
4. Gear Drive Selection tables are included on Pages 50 through 56.

Go to the page that contains selections based on your required input speed for the gear drive. For example, selections based an input speed of 1750 rpm are shown on Page 51.

Locate the table containing your required ratio, reduction and low speed shaft rpm & select the drive size with a mechanical rating equal to or exceeding your equivalent horsepower requirement.

Having selected an Gear Drive size meeting your ratio, reduction, and equivalent hp requirements, obtain nomenclature, exact ratio and Falk part number from Pages 57 & 58.

5. Check Overhung Load — Tables on Page 48 provide the overhung capacity of the Gear Drive selected. If overhung load is present, calculate the value of the overhung load per instructions on Page 47. Sprockets or other devices mounted on the input or output shaft of the gear drive, should be sized and positioned so the overhung load capacities are not exceeded. If applied overhung loads exceed the capacity of the initial gear drive selected, a larger gear drive of adequate capacity must be selected.
6. Check External Thrust Load — Permissible thrust loads are provided on Page 48. If thrust and overhung loads are applied simultaneously, or if loads exceed stated thrust capacities, consult your authorized Rexnord Sales Representative.
7. Check Gear Drive Dimensions — Pages 59 through 65.
8. When ordering, provide the drive mounting position from Page 13.

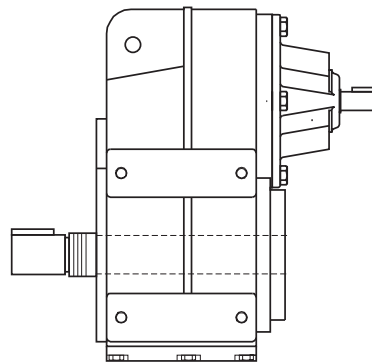
Example

Application: Belt conveyor, heavy duty, head shaft speed is approximately 30 rpm, gear drive to be base foot mounted.

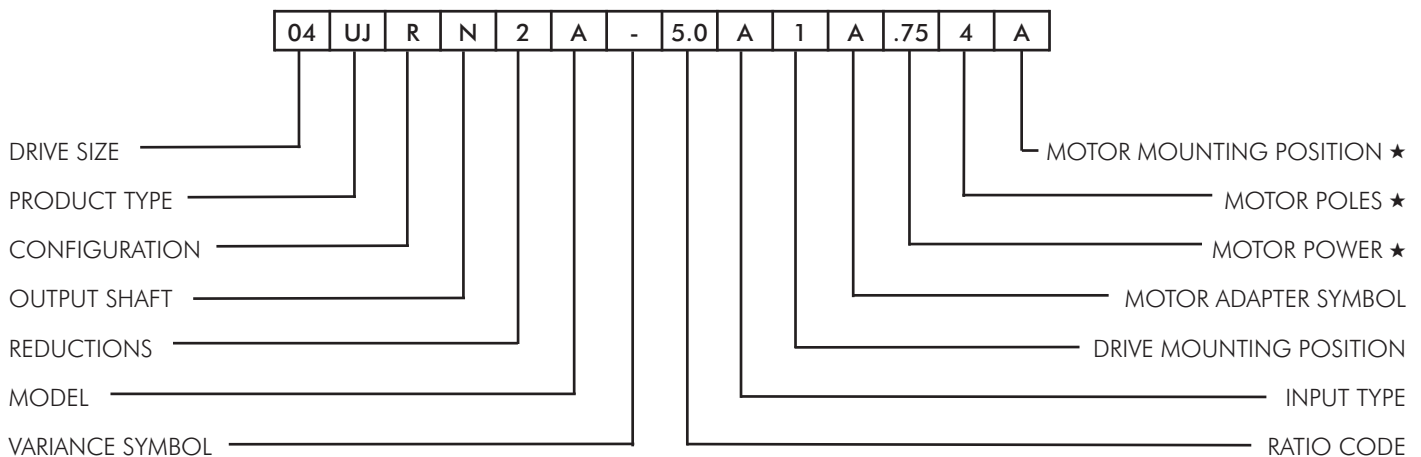
Duty Cycle: 16 hours per day.

Driver: 2 hp electric motor, 1750 rpm.

1. Service Factor from Page 11 is 1.50.
2. Equivalent Horsepower is $2 \times 1.5 = 3$ hp.
3. Approximate gear drive ratio is approximate 58:1.
4. From selection guide on Page 51, the appropriate gear drive exceeding required equivalent hp of 3 hp is the Size 06UJ with a rating of 3.60 hp and a service factor of 1.80 ($3.60 \text{ hp} \div 2 \text{hp}$). Complete designation of the Gear Drive is obtained from Page 57 and is 06UJAJ2A56.N_, exact ratio 56.34:1, and part number 4762005.
5. Overhung load capacity on Page 48 – For this example there is no overhung load.
6. Check External Thrust Load Capacity on Page 48 — For this example there is no external thrust.
7. Check Dimensions on Pages 59 & 66.
8. Specify Gear Drive Mounting Position from Page 13 — For our example, the gear drive is mounted in mounting position #1.
9. Add appropriate accessories. Our example requires base mounted feet and an output shaft kit.



UJ – Drive Nomenclature



Drive Sizes

04, 06, 07, 08, 09 & 10

Product Type

UJ — Shaft Mounted Offset Helical

Configuration

- A — Basic Drive(No Feet, No Torque Arm)
- D — Side Mounted Feet Left(Looking At LSS Bushing End)
- E — Side Mounted Feet Right(Looking At LSS Bushing End)
- F — Standard Output Flange
- R — With Torque Arm

Output Shaft

- Q — Straight Inch Hollow
- E — Straight Metric Hollow
- J — Tapered Hollow
- M — TA Taper Metric Bushing(Bore Diameter)
- N — TA Taper Inch Bushing(Bore Diameter)
- P — CEMA Seal Housing and Drive Shaft(D.S. Diameter)
- K — Inch Single Ended
- L — Metric Single Ended

Reductions

- 2 — Double
- 3 — Triple

Model

A, B, C, etc.

Variance Symbol

Variance Symbol is omitted when Standard Mineral Lube and Single Seals are specified

- A — Standard Mineral Lube and Double Seals
- B — Synthetic Lube and Single Seals
- C — Biodegradeable Lube and Single Seals
- D — Food Compatible Lube and Single Seals
- E — Synthetic Lube with Double Seals
- F — Biodegradeable Compatible Lube With double Seals
- G — Food Compatible Lube With Double Seals
- S — Special
- H — Backstop (Hold Back)
- J — Cooling Fan - Shaft Driven
- S — Multiple Variances or Special

Ratio Code, Three Characters, Refer to Page 12

- | | | |
|-----------------|---------------------|---------|
| 5.0 through 100 | Double Reduction | |
| 83. through 355 | Triple Reduction | |
| 360 through 56C | Quadruple Reduction | C = 00 |
| 45C through 20K | Quintuple Reduction | K = 000 |

Input Type

- A — Gear Drive With Flange Motor Adapter - NEMA Frame
- G — Gear Drive With Flange Motor Adapter - IEC Frame
- N — Gear Drive With Inch Input
- C — Gear Drive With Metric Input
- R — Gear Drive With Flange Motor Adapter - Special Motors

Drive Mounting Position, Refer to Page 13

Mounting Positions 1 through 6

Motor Adapter Symbol, Refer to Page 14

A through W

Motor Power, Decimal Point Shown ★

Horsepower – NEMA Motor
Kilowatts – IEC Motor

Motor Poles ★

- 2 — Poles, 3600 rpm @ 60 Hz, or 3000 rpm @ 50 Hz
- 4 — Poles, 1800 rpm @ 60 Hz, or 1500 rpm @ 50 Hz
- 6 — Poles, 1200 rpm @ 60 Hz, or 1000 rpm @ 50 Hz
- 8 — Poles, 900 rpm @ 60 Hz, or 750 rpm @ 50 Hz

Motor Mounting Position, Refer to Page 13 ★

When Viewed from L.S. Shaft of Base Mounted Drive with Mounting Feet Down

- A — Conduit Box Horizontal on Right Side, 0°
- B — Conduit Box Vertical on Bottom Side, 90°
- C — Conduit Box Horizontal on Left Side, 180°
- D — Conduit Box Vertical on Top Side of Drive 270°

★ Motor Power, Motor Poles and Motor Mounting Position are stamped on the nameplate only if the motor is furnished & fitted by the Factory.

Type UJ Service Factors

A gear drive is rated to a specified application by the use of Service Factors. Each application has its own conditions and operating requirements. These have been analyzed and catalogued. Numerical values, based on field experience, have been assigned to these classifications for intermittent service of 3 to 10 hours per day and for service over 10 hours per day and also for the type of prime mover . . . electric motor or engine. Values for most applications are listed by Application on Page 11, Table 3 and by Industry at right, Table 2.

Examples — A comparison of three different applications, each operating 16 hours per day, will illustrate the function of Service Factors: an Assembly Conveyor, uniformly loaded (SF = 1.25), a Belt Conveyor, heavy duty (SF = 1.50) and a Laundry Washer (SF = 2.00). If each of these applications requires 10 hp, each drive is selected for a rating of 10 hp times the Service Factor — that is, for 12.5, 15 and 20 hp respectively. Thus, the Service Factor takes into consideration the varying conditions of operation: Laundry Washer service is relatively more severe than that of a uniformly loaded Assembly Conveyor, etc.

Since most industrial applications are electric motor driven, Service Factors are based on the use of electric motors. These factors can be easily converted to engine-drive factors as outlined in Table 1.

Service Factors are based on the assumption that the system is free of dynamic vibrations, as explained in the warranty section, and that maximum momentary or starting loads do not exceed 200% of the rated load.

Service Factors listed are recommended as minimum for general purpose use. Application of these service factors will result in normal drive reliability and life under typical operation conditions. Refer to Factory any application not listed in Tables 2 or 3.

Applications involving unusual operating conditions or requirements such as, but not limited to, the following should also be referred to Factory:

- Applications requiring extended life/High reliability exceeding normal
- High frequency starting
- Stalling or other high energy load absorption
- Torsional vibrations
- Frequent speed variations
- Reversing loads
- Extremes in ambient temperature

Occasional & Intermittent Service or Engine Driven Applications

For multi-cylinder engine driven applications and all applications operating intermittently up to 3 hours per day, refer to Table 2 or 3 for the Service Factor of the same application operating 3 to 10 hours per day. Next, in the first column of Table 1, find this same Service Factor in bold face type. Then, to the right, under the desired hours service and prime mover, locate the converted Service Factor.

For example, from Table 3, the Service Factor is 1.25 for a uniformly loaded belt conveyor. From Table 1, for the same application the following are the Service Factors for various conditions.

1. Engine driven 3 to 10 hours per day; use 1.50 Service Factor.
2. Engine driven up to 3 hours intermittently; use 1.25 Service Factor.
3. Motor driven up to 3 hours intermittently; use 1.00 Service Factor.

TABLE 1 — Service factor conversions

Table 2 or 3 3 to 10 Hour Service Factor	3 to 10 Hours per Day		Over 10 Hours per Day		Intermittent—Up to 3 Hours per Day †	
	Multi-Cyl. Engine ‡	Motor	Multi-Cyl. Engine ‡	Motor	Multi-Cyl. Engine ‡	Motor
1.00	1.25	1.25	1.50	1.00	1.00	1.00
1.25	1.50	1.50	1.75	1.00	1.25	1.25
1.50	1.75	1.75	2.00	1.25	1.50	1.50
1.75	2.00	2.00	2.25	1.50	1.75	1.75
2.00	2.25	2.25	2.50	1.75	2.00	2.00

† For applications operating one half hour or less per day and applications driven by single cylinder engines, refer to Factory.

‡ These service factors are based on the assumption that the system is free from serious critical and torsional vibrations and that maximum momentary or starting loads do not exceed 200% of the normal load.

TABLE 2 — Type UJ service factors listed by industry

for electric motor, steam turbine or hydraulic motor drives . . . recommendations are MINIMUM and normal conditions are assumed

Industry	Service		Industry	Service	
	3 to 10 Hour	Over 10 Hour		3 to 10 Hour	Over 10 Hour
BOTTLING AND BREWING			Jordan	1.50	
Bottling Machinery	1.25	1.25	Kiln Drive	1.50	
Brew Kettles, Continuous Duty	1.25	1.25	Mt. Hope & Paper Rolls	1.50	
Can Filling machines	1.25	1.25	Platter	1.50	
Cookers—Continuous Duty	1.25	1.25	Presses (Felt & Suction)	1.50	
Mash Tubs—Continuous Duty	1.25	1.25	Reel (Surface Type)	1.50	
Scale Hoppers—Frequent Starts	1.25	1.50	Screens		
CLAY WORKING INDUSTRY			Chip & Rotary	1.50	
Clay Working Machinery	1.25	1.50	Size Press	1.50	
Pug Mills	1.25	1.50	Thickener & Washer		
DISTILLING	See Brewing		AC Motor	1.50	
FOOD INDUSTRY			DC Motor	1.50	
Beet Slicers	1.25	1.50	Vacuum Pumps	1.50	
Bottling, Can Filling Machine	1.25	1.25	Wind & Unwind Stand	1.25	
Cereal Cookers	1.00	1.25	Winders (Surface Type)	1.25	
Dough Mixers, Meat Grinders	1.25	1.50	PLASTIC INDUSTRY		
LUMBER INDUSTRY			Batch Drop Mill, 2 smooth rolls	1.25	1.25
Conveyors			Calenders	1.50	1.50
Burner	1.25	1.50	Compounding Mills	1.25	1.25
Main or Heavy Duty	1.50	1.50	Continuous Feed, Holding & Blend Mill	1.25	1.25
Re-Saw Merry-Go-Round	1.25	1.50	Intensive Internal Mixers		
Slab	1.75	2.00	Batch Mixers	1.75	1.75
Transfer	1.25	1.50	Continuous Mixers	1.50	1.50
Chains—Floor	1.50	1.50	RUBBER INDUSTRY		
Chains—Green	1.50	1.75	Batch Drop Mill, 2 smooth rolls	1.50	1.50
Cut-Off Saws—Chain & Drag	1.50	1.75	Calenders	1.50	1.50
Feeds—Edger	1.25	1.50	Cracker Warmer—2 roll, 1 corrugated roll	1.75	1.75
Feeds—Gang	1.75	1.75	Holding, Feed & Blend Mill—2 Roll	1.25	1.25
Feeds—Trimmer	1.25	1.50	Intensive Internal Mixers		
Log Turning Devices	1.75	1.75	Batch Mixers	2.00	2.00
Planer Feed	1.25	1.50	Continuous Mixers	1.50	1.50
Planer Tilting Hoists	1.50	1.50	Mixing Mill—2 smooth rolls (if corrugated rolls are used, use Cracker Warmer service factors)	1.50	1.50
Rolls—Live—Off Bearing—Roll Cases	1.75	1.75	Refiner—2 roll	1.50	1.50
Sorting Table, Tipple Hoist	1.25	1.50	SEWAGE DISPOSAL		
Transfers—Chain & Craneway	1.75	2.00	Bar Screens	1.25	1.25
Tray Drives	1.25	1.50	Chemical Feeders	1.25	1.25
OIL INDUSTRY			Collectors	1.25	1.25
Chillers	1.25	1.50	Dewatering Screens	1.50	1.50
Paraffin Filter Press	1.25	1.50	Scum Breakers	1.50	1.50
Rotary Kilns	1.25	1.50	Slow or Rapid Mixers	1.50	1.50
PAPER MILLS ★			Thickeners	1.50	1.50
Agitator (Mixer)	1.50	1.50	Vacuum Filters	1.50	1.50
Agitator for Pure Liquids	1.50	1.50	TEXTILE INDUSTRY		
Beater	1.50	1.50	Batchers, Calenders	1.25	1.50
Breaker Stack	1.50	1.50	Card Machines	1.25	1.50
◆ Calender	1.50	1.50	Dry Cans, Dryers	1.25	1.50
Chipper	2.00	2.00	Dyeing Machinery	1.25	1.50
Chip Feeder	1.50	1.50	Looms, Mangles, Nappers, Pads	1.25	1.50
Coating Rolls	1.50	1.50	Slashers, Soapers, Spinners, Tenter Frames, Washers, Winders	1.25	1.50
Conveyors—					
Chip, Bark, Chemical	1.50	1.50			
Couch Rolls	1.50	1.50			
Cylinder molds	1.50	1.50			
◆ Dryers —					
Paper Mach. & Conveyor Type	1.50	1.50			
Embosses	1.50	1.50			
Extruder	1.50	1.50			
Fourdrinier Rolls—					
Lumpbreaker, Wire Turning Dandy & Return Rolls	1.50	1.50			

★ Service Factors for paper mill applications are applied to the nameplate rating of the electric drive motor at the motor rated base speed and are consistent with those shown in TAPPI standards.

◆ Anti-friction bearings only.

TABLE 3 — Type UJ service factors listed by application

for electric motor, steam turbine or hydraulic motor drives . . . recommendations are MINIMUM and normal conditions are assumed

Service		Service		Service		Service		
Application	3 to 10 Hour	Over 10 Hour	Application	3 to 10 Hour	Over 10 Hour	Application	3 to 10 Hour	Over 10 Hour
AGITATORS			Reciprocating Multi-Cylinder	1.50	1.75	GRAVITY DISCHARGE ELEVATORS	1.00	1.25
Pure Liquids	1.25	1.25	CONCRETE MIXERS			★ HOISTS		
Liquids & Solids	1.25	1.50	Continuous	1.25	1.50	Medium Duty	1.25	1.50
Liquids-Variable Density	1.25	1.50	Intermittent	1.25	1.50	Skip Hoist	1.25	1.50
APRON CONVEYORS			CONVEYORS—Uniformly loaded or Fed:			INDUCED DRAFT FANS	1.25	1.50
Uniformly Loaded or Fed	1.25	1.50	Apron, Assembly, Belt, Bucket, Chain, Flight, Oven, Screw	1.25	1.25	KILNS	See Mills, Rotary	
Heavy Duty	1.25	1.50	CONVEYORS—Heavy Duty, Not Uniformly Fed			LAUNDRY WASHERS	1.50	2.00
APRON FEEDERS	1.25	1.50	Apron, Assembly, Belt, Bucket, Chain, Flight, Oven, Screw	1.25	1.50	LAUNDRY TUMBLERS	1.25	1.50
ASSEMBLY CONVEYORS			COOKERS (Brewing & Distilling), (food)	1.25	1.25	LINE SHAFTS		
Uniformly Loaded or Fed	1.25	1.25	DEWATERING SCREENS (Sewage)	1.50	1.50	Driving Processing Equipment	1.25	1.50
Heavy Duty	1.25	1.50	DISC FEEDERS	1.25	1.25	Other Line Shafts, Light	1.25	1.25
BALL MILLS	See Mills, Rotary		DISTILLING	See Table 2		LOBE BLOWERS OR COMPRESSORS	1.25	1.50
BAR SCREENS (Sewage)	1.25	1.25	DOUBLE ACTING PUMPS			LOOMS (Textile)	1.25	1.50
BATCHERS (Textile)	1.25	1.50	2 or more Cylinders	1.25	1.50	LUMBER INDUSTRY	See Table 2	
BELT CONVEYORS			DOUGH MIXER (Food)	1.25	1.50	MACHINE TOOLS		
Uniformly Loaded or Fed	1.25	1.25	DRAW BENCH (Metal Mills) Carriage & Main Drive	1.25	1.50	Auxiliary Drives	1.25	1.25
Heavy Duty	1.25	1.50	DRYERS & COOLERS (Mills, Rotary)	1.50	1.50	Bending Rolls	1.25	1.50
BELT FEEDERS	1.25	1.50	DYEING MACHINERY (Textile)	1.25	1.50	Main Drives	1.25	1.50
BENDING ROLLS (Machine)	1.25	1.50	ELEVATORS			Punch Press (Geared)	1.75	2.00
BLOWERS			Bucket-Uniform Load	1.25	1.50	Tapping machines	1.75	2.00
Centrifugal	1.25	1.25	Bucket-Heavy Duty	1.25	1.50	MANGLE (Textile)	1.25	1.50
Lobe	1.25	1.50	Bucket-Continuous	1.25	1.50	MASH TUBS (Brewing & Distilling)	1.25	1.25
Vane	1.25	1.50	Centrifugal Discharge	1.25	1.25	MEAT GRINDERS (Food)	1.25	1.50
BOTTLING MACHINERY	1.25	1.25	★ Escalators	Not Approved		METAL MILLS		
BREWING	See Table 2		★ Freight	Not Approved		Draw Bench Carriages & Main Drives	1.25	1.50
BUCKET			Gravity Discharge	1.25	1.25	Pinch, Dryer & Scrubber Rolls, Reversing	Refer to Factory	
Conveyors Uniform	1.25	1.50	★ Man Lifts, Passenger	Not Approved		Slitters	1.25	1.50
Conveyors Heavy Duty	1.25	1.50	EXTRUDERS (Plastic & Rubber)	See Table 2		Table Conveyors, Non-Reversing Group Drives	1.50	1.50
Elevators Continuous	1.25	1.50	FANS			Wire Drawing & Flattening Machines	1.25	1.50
Elevators Uniform	1.25	1.50	Centrifugal	1.25	1.25	Wire Winding Machines	1.50	1.50
Elevators Heavy Duty	1.25	1.50	Forced Draft	1.25	1.25	MILLS, ROTARY		
CALENDERS			Induced Draft	1.50	1.50	Pebble, Plain & Wedge Bar Mills	1.50	
Rubber and Plastic	See Table 2		Large (Mine, etc.)	1.50	1.50	MIXER (Also see Agitators)		
Textile	1.25	1.50	Large Industrial	1.50	1.50	Concrete, Cont. & Int.	1.25	1.50
CAN FILLING MACHINES	1.25	1.25	Light (Small Diameter)	1.00	1.25	Constant Density	1.25	1.50
CARD MACHINES (Textile)	1.25	1.50	FEEDERS			Variable Density	1.25	1.50
CARD MACHINES (Textile)	1.25	1.50	Apron, Belt	1.25	1.50	NAPPERS (Textile)	1.25	1.50
CAR PULLERS	1.25	1.50	Disc	1.25	1.25	OIL INDUSTRY	See Table 2	
CEMENT KILNS	See Mills, Rotary		Screw	1.25	1.50	OVEN CONVEYORS		
CENTRIFUGAL			FLIGHT CONVEYORS			Uniform	1.25	1.25
Blowers, Compressors, Discharge Elevators, Fans or Pumps	1.25	1.25	Uniform	1.25	1.25	Heavy Duty	1.25	1.50
CHAIN CONVEYORS			Heavy	1.25	1.50	PAPER MILLS	See Table 2	
Uniformly Loaded or Fed	1.25	1.25	FOOD INDUSTRY	See Table 2		PASSENGER ELEVATORS	Not Approved	
Heavy Duty	1.25	1.50	GENERATORS (Not Welding)	1.25	1.25	PEBBLE MILLS	1.50	
CHEMICAL FEEDERS (Sewage)	1.25	1.25				PROPORTIONING PUMPS	1.25	1.50
CLARIFIERS	1.25	1.25				PUG MILLS (Clay)	1.25	1.50
CLASSIFIERS	1.25	1.50				PUMPS		
CLAY WORKING	See Table 2					Centrifugal	1.25	1.25
COLLECTORS (Sewage)	1.25	1.25						
COMPRESSORS								
Centrifugal	1.25	1.25						
Lobe	1.25	1.50						

★ Selection of Rexnord products for applications whose primary purpose is the transportation of people is not approved. This includes such applications as freight or passenger elevators, escalators, man lifts, work lift platforms, ski tows and ski lifts. If the primary purpose of the application is material conveyance and occasionally people are transported, the Factory warranty may remain in effect provided the design load conditions are not exceeded and certification to the appropriate safety codes and load conditions has been obtained by the system designer or end user from the appropriate enforcement authorities.

Contact your local Rexnord representative for proper selection of a Falk RAM mixer drive.

UJ – Exact Ratios

Double Reduction

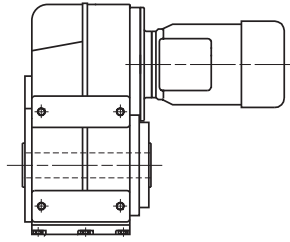
Ratio Code (3 Characters)	DRIVE SIZE					
	04	06	07	08	09	10
5.0	5.113	5.031	5.151	5.088	5.085	5.107
6.3	6.320	6.273	6.420	6.242	6.567	6.433
7.1	7.172	7.074	7.136	7.212	7.000	7.133
8.0	7.903	7.928	8.016	8.012	7.846	7.758
9.0	8.975	8.900	8.813	8.912	8.807	8.812
10.	9.768	9.886	9.990	9.830	10.13	9.772
11.	11.40	11.30	11.51	11.52	11.35	11.48
12.	12.95	12.81	13.09	12.94	12.68	12.39
14.	14.09	14.09	14.35	14.14	14.66	14.46
16.	16.01	15.97	16.31	15.87	16.37	15.61
18.	17.63	17.59	17.48	17.88	17.58	18.07
20.	20.03	20.46	20.09	20.81	20.04	20.46
22.	21.79	21.94	21.79	21.93	22.70	22.76
25.	24.75	25.51	25.04	25.53	25.88	25.77
28.	28.82	28.92	28.77	28.58	28.41	28.04
32.	31.33	30.88	32.53	32.26	31.56	31.16
36.	35.62	36.06	35.86	35.06	36.69	35.32
40.	38.72	38.50	40.55	39.58	40.76	39.25
45.	45.14	45.18	44.99	45.60	44.58	44.43
50.	50.86	49.47	49.27	50.09	49.22	51.19
56.	55.79	56.34	56.07	55.95	57.58	55.97
63.	62.86	61.69	61.40	61.46	63.56	64.49
71.	67.10	67.58	68.02	67.04	67.71	69.24
80.	76.29	75.79	75.58	77.20	76.14	74.39
90.	82.94	84.26	84.78	82.25	87.44	87.21
100	94.29	94.50	94.20	94.71	98.32	93.70

Triple Reduction

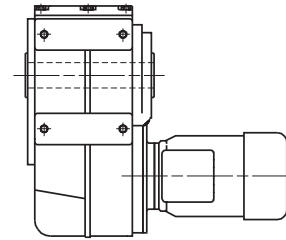
Ratio Code (3 Characters)	DRIVE SIZE					
	04	06	07	08	09	10
63.	63.92	63.48	63.46			
71.	73.05	72.12	73.81			
80.	79.00	79.15	79.09			
90.	90.28	89.92	91.99			
100	98.59	103.8	104.3	103.3	102.5	102.8
112	115.5	112.8	111.4	116.6	113.9	114.2
125	121.9	129.4	130.0	126.8	132.3	129.5
140	142.8	140.7	138.8	143.1	147.0	143.9
160	161.5	162.6	163.0	164.9	160.8	162.9
180	179.5	183.2	178.4	181.1	177.5	187.7
200	199.7	202.7	203.1	202.3	207.7	205.2
225	221.8	228.4	222.4	222.2	229.3	236.4
250	247.7	241.7	243.7	242.4	244.2	253.9
280	281.6	274.7	273.4	279.1	274.6	272.7
315	306.2	301.3	303.8	297.4	315.4	319.8
355	348.0	342.6	340.7	342.4	354.7	343.6

UJ – Drive Mounting Position

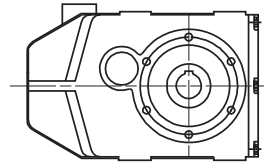
MOUNTING 1



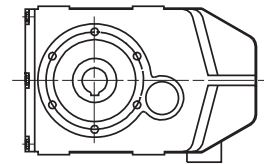
MOUNTING 2



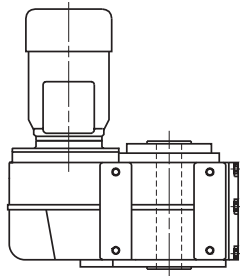
MOUNTING 3



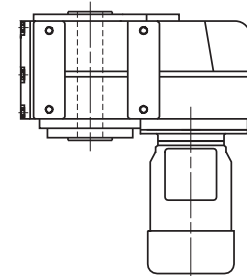
MOUNTING 4



MOUNTING 5



MOUNTING 6 ‡



‡ Use motor fitted with a seal.

Motor Mounting Position

Conduit box position when viewed from L.S. end of drive.

A – Conduit box horizontal on right side, 0°.

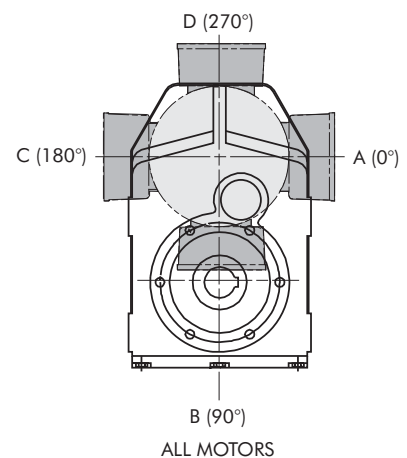
B – Conduit box vertical on bottom side, 90°.

C – Conduit box horizontal on left side, 180°.

D – Conduit box vertical on top side, 270°.

Standard NEMA motor mounting position is "C".

Standard IEC motor mounting position is "A".



UJ – Motor Adapters

The ULTRAMITE shaft mounted gearmotor accommodates NEMA (Input Type "A") or IEC (Input Type "G") motor frame sizes. Tables 1 & 2 below identify the appropriate motor adapter symbol that pertains to specific motor frame size, drive size, ratio, and reduction combinations.

If a motor adapter symbol is not listed for a particular combination of motor frame size, drive size, ratio, and reduction, then that combination is not offered.

For Gear Drives (Inputs Types "N" and "C"), the motor adapter symbol is not used.

TABLE 1 — Input Type A – NEMA Motor Adapter Symbols

Motor Frame Size	DRIVE SIZE																			
	04			06				07				08		09		10				
	Double		Triple	Double		Triple		Double		Triple		Double	Triple	Double	Triple	Double	Triple			
	Ratio Range																			
	5.0 - 25	28 - 100	63 - 360	5.0 - 16	18 - 100	63 - 90	100 - 360	5.0 - 16	18 - 100	63 - 90	100 - 360	5.0 - 25	28 - 100	100 - 360	5.0 - 25	28 - 100	100 - 360	5.0 - 25	28 - 100	100 - 360
56C	A	A	A	...	A	A	A	...	A	...	A	...	A	A	...	...	A	...	...	...
143TC/145TC	B	B	B	...	B	B	B	...	B	...	B	...	B	B	...	...	B	...	...	...
182TC/184TC	C	...	...	C	C	C	...	C	C	C	C	C	C	C	...	C	C	...	C	C
213TC/215TC	...	...	...	D	...	...	...	D	D	D	...	D	D	D	...	D	...	...	D	D
254TC/256TC	...	...	...	...	...	...	...	E	...	...	...	E	E	...	E	E	...	E	E	E
284TC/286TC	...	...	...	...	...	...	...	...	...	...	...	...	...	...	F	F	...	F	F	F

TABLE 2 — Input Type G – IEC Motor Adapter Symbols

Motor Frame Size	DRIVE SIZE																			
	04			06				07				08		09		10				
	Double		Triple	Double		Triple		Double		Triple		Double	Triple	Double	Triple	Double	Triple			
	Ratio Range																			
	5.0 - 25	28 - 100	63 - 360	5.0 - 16	18 - 100	63 - 90	100 - 360	5.0 - 16	18 - 100	63 - 90	100 - 360	5.0 - 25	28 - 100	100 - 360	5.0 - 25	28 - 100	100 - 360	5.0 - 25	28 - 100	100 - 360
63/D	...	A	A	...	A	...	A	...	...	...	A	...	...	...	...	...	...	...	...	...
71/D	...	B	B	...	B	...	B	...	...	...	B	...	...	...	...	...	...	...	...	...
71/C	...	C	C	...	C	...	C	...	...	...	C	...	...	...	...	...	...	...	...	...
80/D	D	D	D	D	D	D	D	...	D	D	D	...	D	D	...	D	D	...	D	D
80/C	E	E	E	E	E	E	E	...	E	E	E	...	...	E	...	...	...	...	...	...
90/D	F	F	F	F	F	F	F	...	F	F	F	...	F	F	...	F	F	...	...	F
90/C	G	G	G	G	G	G	G	...	G	G	G	...	...	G	...	...	...	...	...	...
100/D	...	...	...	H	H	...	...	H	H	H	H	H	H	H	...	H	H	...	H	H
100/C	J	J	J	J	J	J	J	J	J	J	J	...	...	J	...	...	...	...	...	...
112/D	...	...	...	K	K	...	...	K	K	K	K	K	K	K	...	K	K	...	K	K
112/C	M	M	M	M	M	M	M	M	M	M	M	...	...	M	...	...	...	...	...	...
132/D	...	...	...	N	N	...	...	N	N	N	N	N	N	N	...	N	N	...	N	N
132/C	...	...	...	P	P	...	...	P	P	P	P	...	...	P	...	...	...	...	...	...
160/D	...	...	...	...	...	...	...	R	R	...	...	R	R	R	R	R	...	R	R	R
180/D	...	...	...	...	...	...	...	...	...	...	...	...	...	...	T	T	...	T	T	T
200/D	...	...	...	...	...	...	...	...	...	...	...	...	...	...	U	U	...	U	U	U
225/D	...	...	...	...	...	...	...	...	...	...	...	...	...	...	W	W	...	W	W	W

Symbols in Bold Face – Gear drive Sizes 04, 06 & 07 furnished by Rexnord less motor will be furnished without lubricant.

Motor Detail (NEMA C-Face)

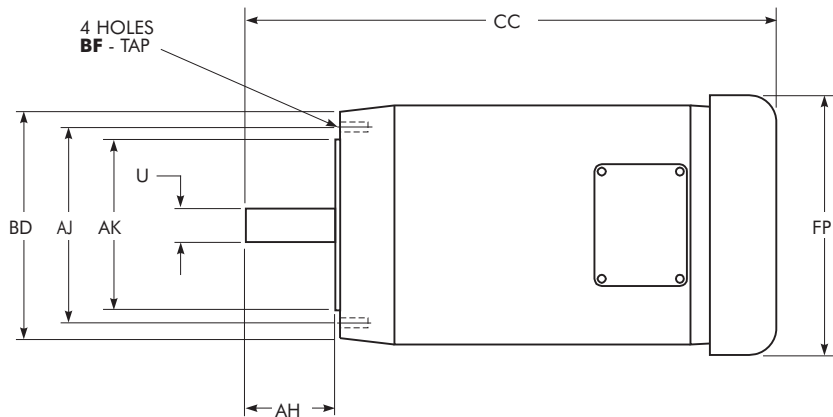


TABLE 3 — Typical Motor Dimensions – Inches

MOTOR FRAME SIZE	BD	AJ	AK	U	AH	CC Max	FP	BF Tap UNC
56C	6.50	5.88	4.5	0.625	2.06	11.38	7.19	0.375-16
143TC/145TC	6.50	5.88	4.5	0.875	2.12	14.19	7.19	0.375-16

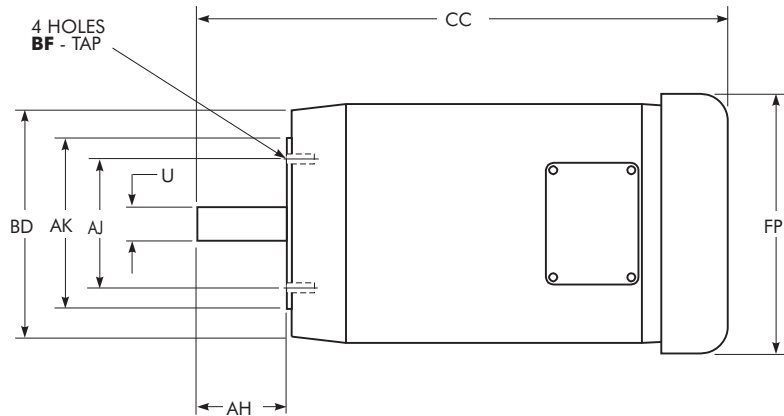


TABLE 4 — Typical Motor Dimensions – Inches

MOTOR FRAME SIZE	BD	AJ	AK	U	AH	CC Max	FP	BF Tap UNC
182TC/184TC	9.00	7.25	8.5	1.125	2.63	18.06	8.50	0.50-13
213TC/215TC	9.00	7.25	8.5	1.375	3.13	19.44	10.19	0.50-13
254TC/256TC	10.00	7.25	8.5	1.625	3.75	23.63	12.50	0.50-13
284TC/286TC	11.25	9.00	10.5	1.875	4.38	27.56	15.56	0.50-13
324TC/326TC	13.38	11.00	12.5	2.125	5.00	30.25	16.94	0.63-11
364TC/365TC	13.38	11.00	12.5	2.375	5.63	32.56	19.00	0.63-11
404TC/405TC	13.88	11.00	12.5	2.875	7.00	36.88	20.63	0.63-11

UJ – Gearmotor Selection Table

0.25 HP/1750 rpm/56C Frame Motor

Approx Output rpm	Exact Ratio	Actual Output Torque (lb-in)	Service Factor	Overhung Load (lb)	Hollow Shaft Basic Drive Gearmotor Less Motor Inch Dimensioned	
					Drive Designation	Part No.
342	5.11	45	33.36	1002	04UJAJ2A5.0A_A	4761840
277	6.32	55	31.20	1047	6.3	4761844
244	7.17	63	29.36	1074	7.1	4761848
222	7.90	70	28.04	1094	8.0	4761852
195	8.97	79	26.28	1139	9.0	4761856
179	9.77	86	25.48	1171	10.	4761860
154	11.40	100	23.12	1231	11.	4761864
135	12.95	114	21.64	1281	12.	4761868
124	14.09	124	20.88	1317	14.	4761872
109	16.01	142	19.48	1373	16.	4761876
99	17.63	156	18.20	1413	18.	4761880
87	20.03	176	16.88	1472	20.	4761884
80	21.79	193	16.32	1512	22.	4761888
71	24.75	218	14.80	1575	25.	4761892
61	28.82	255	9.92	1649	28.	4761896
56	31.33	277	9.84	1692	32.	4761899
49	35.62	314	9.92	1764	36.	4761902
45	38.72	342	9.60	1809	40.	4761905
39	45.14	396	7.72	1892	45.	4761908
34	50.86	446	6.00	1962	50.	4761911
31	55.79	490	6.68	2020	56.	4761914
28	62.86	551	5.96	2094	63.	4761917
26	67.10	589	3.96	2110	71.	4761920
23	76.29	670	3.36	2106	80.	4761923
21	82.94	729	3.96	2097	90.	4761926
19	94.29	827	3.36	2076	100	4761929
27	63.92	556	5.88	2103	04UJAJ3A63.A_A	4762402
24	73.05	636	5.16	2110	71.	4762405
22	79.00	688	4.76	2108	80.	4762408
19	90.28	786	4.16	2088	90.	4762411
18	98.59	858	3.84	2065	100	4762414
15	115.51	1004	3.28	2034	112	4762417
14	121.85	1059	3.12	2027	125	4762420
12	142.76	1240	2.64	1988	140	4762423
11	161.54	1401	2.36	1946	160	4762426
10	179.49	1554	2.12	1912	180	4762429
8.8	199.65	1730	1.92	1883	200	4762432
7.9	221.84	1920	1.72	1842	225	4762435
7.1	247.74	2148	1.48	1779	250	4762438
6.2	281.55	2436	1.28	1716	280	4762441
5.7	306.20	2652	1.24	1684	315	4762444
5.0	347.99	3003	1.80	1608	355	4762447
7.7	228.38	1987	3.60	3461	06UJAJ3A225A_A	4762487
7.2	241.67	2109	3.40	3461	250	4762490
6.4	274.74	2392	3.00	3461	280	4762493
5.8	301.33	2622	2.72	3461	315	4762496
5.1	342.56	2978	2.40	3461	355	4762499

Motors are available from Rexnord or Rexnord Distributors.

.25 HP/56C Motor
Falk Part No. 1940393
Conforms to the following specifications:

C Face motor less base, TEFC, 1750 rpm, 208-230/460 Volts, 3 Phase, 60 Hz, NEMA B, 1.15 Service Factor.

Motors meeting other specifications are available upon request.

UJ – Gearmotor Selection Table

0.33 HP/1750 rpm/56C Frame Motor

Approx Output rpm	Exact Ratio	Actual Output Torque (lb-in)	Service Factor	Overhung Load (lb)	Hollow Shaft Basic Drive Gearmotor Less Motor Inch Dimensioned	
					Drive Designation	Part No.
342	5.11	59	25.27	999	04UJAJ2A5.0A_A	4761840
277	6.32	73	23.64	1043	6.3	4761844
244	7.17	83	22.24	1070	7.1	4761848
222	7.90	92	21.24	1089	8.0	4761852
195	8.97	105	19.91	1134	9.0	4761856
179	9.77	113	19.30	1165	10.	4761860
154	11.40	133	17.52	1224	11.	4761864
135	12.95	151	16.39	1273	12.	4761868
124	14.09	164	15.82	1308	14.	4761872
109	16.01	187	14.76	1363	16.	4761876
99	17.63	206	13.79	1402	18.	4761880
87	20.03	233	12.79	1459	20.	4761884
80	21.79	255	12.36	1499	22.	4761888
71	24.75	289	11.21	1560	25.	4761892
61	28.82	336	7.52	1632	28.	4761896
56	31.33	365	7.45	1673	32.	4761899
49	35.62	415	7.52	1742	36.	4761902
45	38.72	451	7.27	1786	40.	4761905
39	45.14	523	5.85	1864	45.	4761908
34	50.86	589	4.55	1930	50.	4761911
31	55.79	646	5.06	1987	56.	4761914
28	62.86	728	4.52	2047	63.	4761917
26	67.10	778	3.00	2070	71.	4761920
23	76.29	884	2.55	2058	80.	4761923
21	82.94	963	3.00	2047	90.	4761926
19	94.29	1092	2.55	2020	100	4761929
27	63.92	735	4.45	2049	04UJAJ3A63.A_A	4762402
24	73.05	840	3.91	2065	71.	4762405
22	79.00	908	3.61	2061	80.	4762408
19	90.28	1038	3.15	2033	90.	4762411
18	98.59	1132	2.91	2004	100	4762414
15	115.51	1325	2.48	1963	112	4762417
14	121.85	1399	2.36	1954	125	4762420
12	142.76	1637	2.00	1903	140	4762423
11	161.54	1850	1.79	1847	160	4762426
10	179.49	2052	1.61	1802	180	4762429
8.8	199.65	2284	1.45	1764	200	4762432
7.9	221.84	2535	1.30	1711	225	4762435
7.1	247.74	2836	1.12	1628	250	4762438
6.2	281.55	3215	0.97	1546	280	4762441
23	75.79	881	3.88	3461	06UJAJ2A80.A_A	4762014
19	94.50	1096	3.88	3462	100	4762022
11	162.55	1876	3.82	3440	06UJAJ3A160A_A	4762478
10	183.16	2109	3.39	3428	180	4762481
8.6	202.68	2332	3.09	3457	200	4762484
7.7	228.38	2623	2.73	3442	225	4762487
7.2	241.67	2784	2.58	3425	250	4762490
6.4	274.74	3158	2.27	3406	280	4762493
5.8	301.33	3461	2.06	3436	315	4762496
5.1	342.56	3931	1.82	3411	355	4762499
6.4	273.36	3130	3.88	4693	07UJAJ3A280A_A	4762550
5.1	340.69	3895	3.88	4670	355	4762558

Motors are available from Rexnord or Rexnord Distributors.

.33 HP/56C Motor
Falk Part No. 1940394
Conforms to the following specifications:

C Face motor less base, TEFC, 1750 rpm, 208–230/460 Volts, 3 Phase, 60 Hz, NEMA B, 1.15 Service Factor.

Motors meeting other specifications are available upon request.

UJ – Gearmotor Selection Table

0.50 HP/1750 rpm/56C Frame Motor

Approx Output rpm	Exact Ratio	Actual Output Torque (lb-in)	Service Factor	Overhung Load (lb)	Hollow Shaft Basic Drive Gearmotor Less Motor Inch Dimensioned	
					Drive Designation	Part No.
342	5.11	90	16.68	992	04UJAJ2A5.0A_A	4761840
277	6.32	111	15.60	1035	6.3	4761844
244	7.17	127	14.68	1060	7.1	4761848
222	7.90	140	14.02	1079	8.0	4761852
195	8.97	159	13.14	1122	9.0	4761856
179	9.77	172	12.74	1152	10.	4761860
154	11.40	201	11.56	1209	11.	4761864
135	12.95	229	10.82	1256	12.	4761868
124	14.09	249	10.44	1290	14.	4761872
109	16.01	284	9.74	1343	16.	4761876
99	17.63	313	9.10	1379	18.	4761880
87	20.03	353	8.44	1433	20.	4761884
80	21.79	386	8.16	1471	22.	4761888
71	24.75	437	7.40	1528	25.	4761892
61	28.82	510	4.96	1594	28.	4761896
56	31.33	554	4.92	1631	32.	4761899
49	35.62	629	4.96	1697	36.	4761902
45	38.72	684	4.80	1736	40.	4761905
39	45.14	792	3.86	1805	45.	4761908
34	50.86	893	3.00	1864	50.	4761911
31	55.79	980	3.34	1915	56.	4761914
28	62.86	1103	2.98	1947	63.	4761917
26	67.10	1179	1.98	1985	71.	4761920
23	76.29	1340	1.68	1958	80.	4761923
21	82.94	1459	1.98	1941	90.	4761926
19	94.29	1655	1.68	1900	100	4761929
27	63.92	1113	2.94	1934	04UJAJ3A63.A_A	4762402
24	73.05	1273	2.58	1971	71.	4762405
22	79.00	1376	2.38	1960	80.	4762408
19	90.28	1572	2.08	1918	90.	4762411
18	98.59	1716	1.92	1876	100	4762414
15	115.51	2008	1.64	1812	112	4762417
14	121.85	2119	1.56	1800	125	4762420
12	142.76	2480	1.32	1722	140	4762423
11	161.54	2803	1.18	1637	160	4762426
10	179.49	3109	1.06	1569	180	4762429
8.8	199.65	3461	0.96	1513	200	4762432
26	67.58	1191	4.02	3458	06UJAJ2A71.A_A	4762010
23	75.79	1334	2.56	3458	80.	4762014
21	84.26	1484	4.02	3458	90.	4762018
19	94.50	1661	2.56	3462	100	4762022
17	103.79	1819	3.94	3457	06UJAJ3A100A_A	4762466
16	112.84	1981	3.62	3457	112	4762469
14	129.41	2266	3.18	3457	125	4762472
12	140.70	2454	2.92	3444	140	4762475
11	162.55	2842	2.52	3394	160	4762478
10	183.16	3195	2.24	3358	180	4762481
8.6	202.68	3533	2.04	3447	200	4762484
7.7	228.38	3974	1.80	3402	225	4762487
7.2	241.67	4219	1.70	3349	250	4762490
6.4	274.74	4785	1.50	3289	280	4762493
5.8	301.33	5244	1.36	3383	315	4762496
5.1	342.56	5957	1.20	3304	355	4762499
10	178.44	3103	4.80	4626	07UJAJ3A180A_A	4762534
7.9	222.40	3871	3.94	4650	225	4762542
7.2	243.74	4244	3.52	4605	250	4762546
6.4	273.36	4742	2.56	4635	280	4762550
5.8	303.78	5269	2.90	4613	315	4762554
5.1	340.69	5901	2.56	4563	355	4762558

Motors are available from Rexnord or Rexnord Distributors.

.50 HP/56C Motor
Falk Part No. 1940395
Conforms to the following specifications:

C Face motor less base, TEFC, 1750 rpm, 208–230/460 Volts, 3 Phase, 60 Hz, NEMA B, 1.15 Service Factor.

Motors meeting other specifications are available upon request.

UJ – Gearmotor Selection Table

0.75 HP/1750 rpm/56C Frame Motor

Approx Output rpm	Exact Ratio	Actual Output Torque (lb-in)	Service Factor	Overhung Load (lb)	Hollow Shaft Basic Drive Gearmotor Less Motor Inch Dimensioned	
					Drive Designation	Part No.
342	5.11	135	11.12	982	04UJAJ2A5.0A_A	4761840
277	6.32	167	10.40	1023	6.3	4761844
244	7.17	190	9.79	1046	7.1	4761848
222	7.90	210	9.35	1064	8.0	4761852
195	8.97	238	8.76	1104	9.0	4761856
179	9.77	259	8.49	1134	10.	4761860
154	11.40	302	7.71	1187	11.	4761864
135	12.95	344	7.21	1230	12.	4761868
124	14.09	374	6.96	1263	14.	4761872
109	16.01	426	6.49	1312	16.	4761876
99	17.63	469	6.07	1345	18.	4761880
87	20.03	530	5.63	1394	20.	4761884
80	21.79	579	5.44	1430	22.	4761888
71	24.75	656	4.93	1481	25.	4761892
61	28.82	765	3.31	1538	28.	4761896
56	31.33	831	3.28	1571	32.	4761899
49	35.62	944	3.31	1629	36.	4761902
45	38.72	1026	3.20	1662	40.	4761905
39	45.14	1189	2.57	1717	45.	4761908
34	50.86	1340	2.00	1765	50.	4761911
31	55.79	1470	2.23	1810	56.	4761914
28	62.86	1655	1.99	1799	63.	4761917
26	67.10	1768	1.32	1860	71.	4761920
23	76.29	2010	1.12	1811	80.	4761923
21	82.94	2188	1.32	1785	90.	4761926
19	94.29	2482	1.12	1723	100	4761929
27	63.92	1670	1.96	1764	04UJAJ3A63.A_A	4762402
24	73.05	1910	1.72	1831	71.	4762405
22	79.00	2065	1.59	1813	80.	4762408
19	90.28	2359	1.39	1749	90.	4762411
18	98.59	2574	1.28	1686	100	4762414
15	115.51	3013	1.09	1590	112	4762417
14	121.85	3179	1.04	1573	125	4762420
12	142.76	3720	0.88	1456	140	4762423
28	61.69	1636	4.39	3392	06UJAJ2A63.A_A	4762006
26	67.58	1787	2.68	3455	71.	4762010
23	75.79	2002	1.71	3455	80.	4762014
21	84.26	2226	2.68	3455	90.	4762018
19	94.50	2492	1.71	3462	100	4762022
24	72.12	1901	3.77	3388	06UJAJ3A71.A_A	4762454
22	79.15	2078	3.45	3408	80.	4762458
19	89.92	2360	3.04	3388	90.	4762462
17	103.79	2729	2.63	3453	100	4762466
16	112.84	2972	2.41	3453	112	4762469
14	129.41	3400	2.12	3453	125	4762472
12	140.70	3681	1.95	3426	140	4762475
11	162.55	4263	1.68	3327	160	4762478
10	183.16	4793	1.49	3255	180	4762481
8.6	202.68	5300	1.36	3432	200	4762484
7.7	228.38	5961	1.20	3342	225	4762487
7.2	241.67	6328	1.13	3237	250	4762490
6.4	274.74	7177	1.00	3117	280	4762493
5.8	301.33	7867	0.91	3304	315	4762496
23	75.58	1995	3.44	4692	07UJAJ2A80.A_A	4762131
21	84.78	2229	4.65	4716	90.	4762136
19	94.20	2474	3.44	4712	100	4762141
11	162.96	4282	3.49	4573	07UJAJ3A160A_A	4762530
10	178.44	4655	3.20	4533	180	4762534
8.6	203.11	5302	2.88	4624	200	4762538
7.9	222.40	5807	2.63	4579	225	4762542
7.2	243.74	6366	2.35	4489	250	4762546
6.4	273.36	7113	1.71	4550	280	4762550
5.8	303.78	7904	1.93	4505	315	4762554
5.1	340.69	8852	1.71	4406	355	4762558
7.2	242.37	6345	3.95	5865	08UJAJ3A250A_A	4762602
6.3	279.09	7271	3.44	5783	280	4762607
5.9	297.37	7738	3.27	5771	315	4762612
5.1	342.42	8906	2.85	5734	355	4762617

Motors are available from Rexnord or Rexnord Distributors

.75 HP/56C Motor
Falk Part No. 1940396
Conforms to the following specifications:

C Face motor less base, TEFC, 1750 rpm, 208-230/460 Volts, 3 Phase, 60 Hz, NEMA B, 1.15 Service Factor.

Motors meeting other specifications are available upon request.

UJ – Gearmotor Selection Table

1.0 HP/1750 rpm/143TC Frame Motor

Approx Output rpm	Exact Ratio	Actual Output Torque (lb-in)	Service Factor	Overhung Load (lb)	Hollow Shaft Basic Drive Gearmotor Less Motor Inch Dimensioned	
					Drive Designation	Part No.
342	5.11	180	8.34	972	04UJAJ2A5.0A_B	4761841
277	6.32	223	7.80	1011	6.3	4761845
244	7.17	254	7.34	1032	7.1	4761849
222	7.90	280	7.01	1048	8.0	4761853
195	8.97	318	6.57	1087	9.0	4761857
179	9.77	345	6.37	1115	10.	4761861
154	11.40	403	5.78	1164	11.	4761865
135	12.95	459	5.41	1205	12.	4761869
124	14.09	499	5.22	1237	14.	4761873
109	16.01	568	4.87	1282	16.	4761877
99	17.63	626	4.55	1311	18.	4761881
87	20.03	707	4.22	1355	20.	4761885
80	21.79	773	4.08	1389	22.	4761889
71	24.75	875	3.70	1435	25.	4761893
61	28.82	1020	2.48	1482	28.	4761897
56	31.33	1108	2.46	1510	32.	4761900
49	35.62	1259	2.48	1562	36.	4761903
45	38.72	1369	2.40	1589	40.	4761906
39	45.14	1585	1.93	1630	45.	4761909
34	50.86	1787	1.50	1667	50.	4761912
31	55.79	1960	1.67	1705	56.	4761915
28	62.86	2207	1.49	1651	63.	4761918
26	67.10	2358	0.99	1735	71.	4761921
27	63.92	2227	1.47	1594	04UJAJ3A63.A_B	4762403
24	73.05	2547	1.29	1691	71.	4762406
22	79.00	2753	1.19	1665	80.	4762409
19	90.28	3145	1.04	1580	90.	4762412
18	98.59	3432	0.96	1497	100	4762415
31	56.34	1997	3.60	3351	06UJAJ2A56.A_B	4762003
28	61.69	2181	3.29	3357	63.	4762007
26	67.58	2383	2.01	3452	71.	4762011
23	75.79	2669	1.28	3452	80.	4762015
21	84.26	2968	2.01	3452	90.	4762019
19	94.50	3323	1.28	3462	100	4762023
28	63.48	2229	3.21	3345	06UJAJ3A63.A_B	4762451
24	72.12	2535	2.83	3351	71.	4762455
22	79.15	2771	2.59	3382	80.	4762459
19	89.92	3146	2.28	3351	90.	4762463
17	103.79	3639	1.97	3448	100	4762467
16	112.84	3962	1.81	3448	112	4762470
14	129.41	4533	1.59	3448	125	4762473
12	140.70	4908	1.46	3408	140	4762476
11	162.55	5685	1.26	3259	160	4762479
10	183.16	6391	1.12	3152	180	4762482
8.6	202.68	7067	1.02	3417	200	4762485
7.7	228.38	7949	0.90	3282	225	4762488
26	68.02	2397	3.49	4653	07UJAJ2A71.A_B	4762127
23	75.58	2660	2.58	4678	80.	4762132
21	84.78	2972	3.49	4714	90.	4762137
19	94.20	3299	2.58	4708	100	4762142
17	104.31	3641	3.82	4568	07UJAJ3A100A_B	4762515
16	111.37	3889	3.65	4696	112	4762519
13	130.00	4534	3.36	4647	125	4762523
13	138.80	4843	3.15	4616	140	4762527
11	162.96	5709	2.62	4500	160	4762531
10	178.44	6207	2.40	4439	180	4762535
8.6	203.11	7069	2.16	4576	200	4762539
7.9	222.40	7743	1.97	4508	225	4762543
7.2	243.74	8489	1.76	4373	250	4762547
6.4	273.36	9484	1.28	4465	280	4762551
5.8	303.78	10539	1.45	4397	315	4762555
5.1	340.69	11803	1.28	4249	355	4762559
10	181.11	6309	3.96	5802	08UJAJ3A180A_B	4762588
8.7	202.29	7019	3.61	5839	200	4762593
7.9	222.21	7706	3.28	5771	225	4762598
7.2	242.37	8460	2.96	5673	250	4762603
6.3	279.09	9694	2.58	5551	280	4762608
5.9	297.37	10317	2.45	5532	315	4762613
5.1	342.42	11875	2.14	5477	355	4762618
5.5	315.41	10977	3.46	7884	09UJAJ3A315A_B	4762663
4.9	354.67	12314	3.08	7884	355	4762667

Motors are available from Rexnord or Rexnord Distributors

1.0 HP/143TC Motor
Falk Part No. 1940397
Conforms to the following specifications:

C Face motor less base, TEFC, 1750 rpm, 208-230/460 Volts, 3 Phase, 60 Hz, NEMA B, 1.15 Service Factor.

Motors meeting other specifications are available upon request.

UJ – Gearmotor Selection Table

1.5 HP/1750 rpm/145TC Frame Motor

Approx Output rpm	Exact Ratio	Actual Output Torque (lb-in)	Service Factor	Overhung Load (lb)	Hollow Shaft Basic Drive Gearmotor Less Motor Inch Dimensioned	
					Drive Designation	Part No.
342	5.11	270	5.56	952	04UJAJ2A5.0A_B	4761841
277	6.32	335	5.20	987	6.3	4761845
244	7.17	381	4.89	1004	7.1	4761849
222	7.90	420	4.67	1017	8.0	4761853
195	8.97	477	4.38	1052	9.0	4761857
179	9.77	518	4.25	1078	10.	4761861
154	11.40	605	3.85	1120	11.	4761865
135	12.95	688	3.61	1155	12.	4761869
124	14.09	748	3.48	1183	14.	4761873
109	16.01	852	3.25	1221	16.	4761877
99	17.63	939	3.03	1242	18.	4761881
87	20.03	1061	2.81	1277	20.	4761885
80	21.79	1159	2.72	1306	22.	4761889
71	24.75	1313	2.47	1341	25.	4761893
61	28.82	1530	1.65	1370	28.	4761897
56	31.33	1662	1.64	1388	32.	4761900
49	35.62	1889	1.65	1427	36.	4761903
45	38.72	2053	1.60	1443	40.	4761906
39	45.14	2378	1.29	1455	45.	4761909
34	50.86	2681	1.00	1470	50.	4761912
31	55.79	2940	1.11	1495	56.	4761915
28	62.86	3311	0.99	1355	63.	4761918
49	36.06	1919	3.74	3123	06UJAJ2A36.A_B	4761987
45	38.50	2047	3.50	3179	40.	4761991
39	45.18	2402	2.98	3178	45.	4761995
35	49.47	2633	2.72	3172	50.	4761999
31	56.34	2995	2.40	3278	56.	4762003
28	61.69	3272	2.19	3288	63.	4762007
26	67.58	3575	1.34	3445	71.	4762011
23	75.79	4004	0.85	3445	80.	4762015
21	84.26	4452	1.34	3445	90.	4762019
19	94.50	4984	0.85	3462	100	4762023
28	63.48	3343	2.14	3268	06UJAJ3A63.A_B	4762451
24	72.12	3803	1.89	3278	71.	4762455
22	79.15	4157	1.73	3329	80.	4762459
19	89.92	4720	1.52	3278	90.	4762463
17	103.79	5459	1.31	3439	100	4762467
16	112.84	5944	1.21	3439	112	4762470
14	129.41	6800	1.06	3439	125	4762473
12	140.70	7362	0.97	3372	140	4762476
26	68.02	3596	2.33	4608	07UJAJ2A71.A_B	4762127
23	75.58	3991	1.72	4649	80.	4762132
21	84.78	4459	2.33	4710	90.	4762137
19	94.20	4949	1.72	4700	100	4762142
17	104.31	5462	2.55	4466	07UJAJ3A100A_B	4762515
16	111.37	5834	2.43	4680	112	4762519
13	130.00	6802	2.24	4598	125	4762523
13	138.80	7265	2.10	4547	140	4762527
11	162.96	8564	1.75	4353	160	4762531
10	178.44	9311	1.60	4251	180	4762535
8.6	203.11	10604	1.44	4479	200	4762539
7.9	222.40	11614	1.31	4367	225	4762543
7.2	243.74	12733	1.17	4142	250	4762547
6.4	273.36	14227	0.85	4294	280	4762551
23	77.20	4076	3.94	5880	08UJAJ2A80.A_B	4762257
18	94.71	4987	3.94	5896	90.	4762263
14	126.77	6617	3.83	5757	08UJAJ3A125A_B	4762573
12	143.09	7453	3.39	5740	140	4762578
11	164.88	8617	2.89	5587	160	4762583
10	181.11	9464	2.64	5504	180	4762588
8.7	202.29	10528	2.41	5565	200	4762593
7.9	222.21	11560	2.19	5453	225	4762598
7.2	242.37	12691	1.97	5290	250	4762603
6.3	279.09	14542	1.72	5086	280	4762608
5.9	297.37	15476	1.63	5055	315	4762613
5.1	342.42	17812	1.43	4963	355	4762618
8.4	207.69	10812	3.50	7884	09UJAJ3A200A_B	4762647
7.6	229.28	11972	3.17	7884	225	4762651
7.2	244.23	12790	3.04	7878	250	4762655
6.4	274.63	14352	2.71	7878	280	4762659
5.5	315.41	16466	2.31	7880	315	4762663
4.9	354.67	18471	2.05	7880	355	4762667

Motors are available from Rexnord or Rexnord Distributors

1.5 HP/145TC Motor Falk Part No. 1940398 Conforms to the following specifications:

C Face motor less base, TEFC, 1750 rpm, 208–230/460 Volts, 3 Phase, 60 Hz, NEMA B, 1.15 Service Factor.

Motors meeting other specifications are available upon request.

UJ – Gearmotor Selection Table

2.0 HP/1750 rpm/145TC Frame Motor

Approx Output rpm	Exact Ratio	Actual Output Torque (lb-in)	Service Factor	Overhung Load (lb)	Hollow Shaft Basic Drive Gearmotor Less Motor Inch Dimensioned	
					Drive Designation	Part No.
342	5.11	361	4.17	933	04UJAJ2A5.0A_B	4761841
277	6.32	447	3.90	963	6.3	4761845
244	7.17	508	3.67	976	7.1	4761849
222	7.90	560	3.51	987	8.0	4761853
195	8.97	636	3.29	1017	9.0	4761857
179	9.77	690	3.19	1042	10.	4761861
154	11.40	807	2.89	1075	11.	4761865
135	12.95	918	2.71	1105	12.	4761869
124	14.09	998	2.61	1130	14.	4761873
109	16.01	1136	2.44	1160	16.	4761877
99	17.63	1252	2.28	1173	18.	4761881
87	20.03	1415	2.11	1199	20.	4761885
80	21.79	1546	2.04	1223	22.	4761889
71	24.75	1751	1.85	1247	25.	4761893
61	28.82	2041	1.24	1258	28.	4761897
56	31.33	2217	1.23	1267	32.	4761900
49	35.62	2519	1.24	1292	36.	4761903
45	38.72	2738	1.20	1296	40.	4761906
39	45.14	3171	0.97	1280	45.	4761909
86	20.46	1456	4.06	2598	06UJAJ2A20.A_B	4761967
69	25.51	1813	3.92	2772	25.	4761975
61	28.92	2056	3.48	2849	28.	4761979
57	30.88	2197	3.27	2891	32.	4761983
49	36.06	2559	2.81	3024	36.	4761987
45	38.50	2729	2.63	3075	40.	4761991
39	45.18	3203	2.24	3064	45.	4761995
35	49.47	3510	2.04	3056	50.	4761999
31	56.34	3994	1.80	3204	56.	4762003
28	61.69	4363	1.65	3219	63.	4762007
26	67.58	4767	1.01	3439	71.	4762011
21	84.26	5936	1.01	3439	80.	4762015
28	63.48	4458	1.61	3190	06UJAJ3A63.A_B	4762451
24	72.12	5070	1.42	3204	71.	4762455
22	79.15	5543	1.30	3276	80.	4762459
19	89.92	6293	1.14	3204	90.	4762463
36	49.27	3489	3.82	4333	07UJAJ2A50.A_B	4762112
31	56.07	3959	3.86	4337	56.	4762117
29	61.40	4327	3.53	4351	63.	4762122
26	68.02	4795	1.75	4563	71.	4762127
23	75.58	5321	1.29	4620	80.	4762132
21	84.78	5945	1.75	4706	90.	4762137
19	94.20	6598	1.29	4692	100	4762142
17	104.31	7282	1.91	4364	07UJAJ3A100A_B	4762515
16	111.37	7778	1.83	4663	112	4762519
13	130.00	9069	1.68	4549	125	4762523
13	138.80	9687	1.58	4478	140	4762527
11	162.96	11419	1.31	4206	160	4762531
10	178.44	12415	1.20	4063	180	4762535
8.6	203.11	14139	1.08	4383	200	4762539
7.9	222.40	15486	0.99	4225	225	4762543
23	77.20	5435	2.96	5732	08UJAJ2A80.A_B	4762257
18	94.71	6650	2.96	5755	100	4762269
17	103.32	7214	3.46	5690	08UJAJ3A100A_B	4762563
15	116.63	8146	3.07	5592	112	4762568
14	126.77	8823	2.87	5560	125	4762573
12	143.09	9937	2.55	5537	140	4762578
11	164.88	11490	2.17	5322	160	4762583
10	181.11	12619	1.98	5206	180	4762588
8.7	202.29	14038	1.81	5292	200	4762593
7.9	222.21	15413	1.64	5135	225	4762598
7.2	242.37	16921	1.48	4906	250	4762603
6.3	279.09	19389	1.29	4620	280	4762608
5.9	297.37	20635	1.23	4578	315	4762613
5.1	342.42	23750	1.07	4449	355	4762618
12	147.03	10219	3.71	7890	09UJAJ3A140A_B	4762635
11	160.82	11237	3.46	7890	160	4762639
10	177.54	12416	3.13	7890	180	4762643
8.4	207.69	14416	2.63	7882	200	4762647
7.6	229.28	15963	2.38	7882	225	4762651
7.2	244.23	17054	2.28	7874	250	4762655
6.4	274.63	19136	2.04	7874	280	4762659
5.5	315.41	21955	1.73	7876	315	4762663
4.9	354.67	24628	1.54	7876	355	4762667

Motors are available from Rexnord or Rexnord Distributors.

2.0 HP/145TC Motor Falk Part No. 1940399 Conforms to the following specifications:

C Face motor less base, TEFC, 1750 rpm, 208–230/460 Volts, 3 Phase, 60 Hz, NEMA B, 1.15 Service Factor.

Motors meeting other specifications are available upon request.

UJ – Gearmotor Selection Table

3.0 HP/1750 rpm/182TC Frame Motor

Approx Output rpm	Exact Ratio	Actual Output Torque (lb-in)	Service Factor	Overhung Load (lb)	Hollow Shaft Basic Drive Gearmotor Less Motor Inch Dimensioned	
					Drive Designation	Part No.
342	5.11	541	2.78	893	04UJAJ2A5.0A_C	4761842
277	6.32	670	2.60	916	6.3	4761846
244	7.17	762	2.45	919	7.1	4761850
222	7.90	841	2.34	925	8.0	4761854
195	8.97	955	2.19	947	9.0	4761858
179	9.77	1036	2.12	968	10.	4761862
154	11.40	1211	1.93	986	11.	4761866
135	12.95	1377	1.80	1004	12.	4761870
124	14.09	1497	1.74	1023	14.	4761874
109	16.01	1704	1.62	1039	16.	4761878
99	17.63	1878	1.52	1036	18.	4761882
87	20.03	2123	1.41	1043	20.	4761886
80	21.79	2319	1.36	1058	22.	4761890
71	24.75	2627	1.23	1059	25.	4761894
110	15.97	1705	3.93	2343	06UJAJ2A16.A_C	4761959
99	17.59	1880	2.87	2388	18.	4761964
86	20.46	2184	2.70	2477	20.	4761968
80	21.94	2340	2.87	2539	22.	4761972
69	25.51	2720	2.61	2635	25.	4761976
61	28.92	3084	2.32	2678	28.	4761980
57	30.88	3295	2.18	2707	32.	4761984
49	36.06	3839	1.87	2825	36.	4761988
45	38.50	4094	1.75	2867	40.	4761992
39	45.18	4805	1.49	2837	45.	4761996
35	49.47	5266	1.36	2824	50.	4762000
31	56.34	5991	1.20	3057	56.	4762004
28	61.69	6544	1.10	3080	63.	4762008
28	63.48	6687	1.07	3035	06UJAJ3A63.A_C	4762452
24	72.12	7606	0.94	3057	71.	4762456
61	28.77	3057	3.97	3672	07UJAJ2A28.A_C	4762088
54	32.53	3449	3.57	3801	32.	4762093
49	35.86	3810	3.57	3917	36.	4762098
43	40.55	4312	3.29	4033	40.	4762103
39	44.99	4774	2.75	4108	45.	4762108
36	49.27	5234	2.54	4112	50.	4762113
31	56.07	5938	2.57	4118	56.	4762118
29	61.40	6491	2.35	4140	63.	4762123
26	68.02	7192	1.16	4474	71.	4762128
23	75.58	7982	0.86	4563	80.	4762133
21	84.78	8918	1.16	4698	90.	4762138

Motors are available from Rexnord or Rexnord Distributors.

3.0 HP/182TC Motor
Falk Part No. 1940400
Conforms to the following specifications:

C Face motor less base, TEFC, 1750 rpm, 208–230/460 Volts, 3 Phase, 60 Hz, NEMA B, 1.15 Service Factor.

Motors meeting other specifications are available upon request.

UJ – Gearmotor Selection Table

3.0 HP/1750 rpm/182TC Frame Motor

Approx Output rpm	Exact Ratio	Actual Output Torque (lb-in)	Service Factor	Overhung Load (lb)	Hollow Shaft Basic Drive Gearmotor Less Motor Inch Dimensioned	
					Drive Designation	Part No.
28	63.46	6661	1.76	4429	07UJAJ3A63.A_C	4762502
24	73.81	7743	1.60	4564	71.	4762505
22	79.09	8289	1.76	4677	80.	4762508
19	91.99	9646	1.58	4677	90.	4762511
17	104.31	10924	1.27	4161	100	4762516
16	111.37	11668	1.22	4631	112	4762520
13	130.00	13604	1.12	4451	125	4762524
13	138.80	14531	1.05	4339	140	4762528
38	45.60	4843	3.90	4924	08UJAJ2A45.A_C	4762228
35	50.09	5305	3.40	5031	50.	4762234
31	55.95	5922	3.90	5214	56.	4762240
28	61.46	6493	3.40	5336	63.	4762246
26	67.04	7089	2.91	5404	71.	4762252
23	77.20	8153	1.97	5437	80.	4762258
21	82.25	8686	2.85	5456	90.	4762264
18	94.71	9975	1.97	5473	100	4762270
17	103.32	10822	2.31	5370	08UJAJ3A100A_C	4762564
15	116.63	12219	2.04	5217	112	4762569
14	126.77	13234	1.91	5166	125	4762574
12	143.09	14906	1.70	5130	140	4762579
11	164.88	17235	1.45	4792	160	4762584
10	181.11	18929	1.32	4610	180	4762589
8.7	202.29	21057	1.20	4745	200	4762594
7.9	222.21	23120	1.09	4498	225	4762599
7.2	242.37	25382	0.99	4139	250	4762604
23	76.14	8053	4.07	7890	09UJAJ2A80.A_C	4762384
18	98.32	10375	3.67	7890	100	4762396
17	102.48	10764	3.60	7890	09UJAJ3A100A_C	4762624
15	113.85	11947	3.25	7890	112	4762628
13	132.34	13805	2.74	7890	125	4762632
12	147.03	15328	2.47	7890	140	4762636
11	160.82	16855	2.31	7890	160	4762640
10	177.54	18624	2.09	7890	180	4762644
8.4	207.69	21624	1.75	7877	200	4762648
7.6	229.28	23945	1.58	7877	225	4762652
7.2	244.23	25581	1.52	7864	250	4762656
6.4	274.63	28705	1.36	7864	280	4762660
5.5	315.41	32933	1.15	7868	315	4762664
4.9	354.67	36942	1.03	7868	355	4762668
11	162.91	17095	3.37	11285	10UJAJ3A160A_C	4764135
9.3	187.70	19687	2.92	11285	180	4764141
8.5	205.21	21459	3.08	11285	200	4764147
7.4	236.45	24730	2.67	11285	225	4764153
6.9	253.86	26561	2.16	11285	250	4764159
6.4	272.75	28504	2.02	11285	280	4764165
5.5	319.79	33327	1.98	11285	315	4764171
5.1	343.57	35747	1.84	11285	355	4764177

Motors are available from Rexnord or Rexnord Distributors.

3.0 HP/182TC Motor Falk Part No. 1940400 Conforms to the following specifications:

C Face motor less base, TEFC, 1750 rpm, 208-230/460 Volts, 3 Phase, 60 Hz, NEMA B, 1.15 Service Factor.

Motors meeting other specifications are available upon request.

UJ – Gearmotor Selection Table

5.0 HP/1750 rpm/184TC Frame Motor

Approx Output rpm	Exact Ratio	Actual Output Torque (lb-in)	Service Factor	Overhung Load (lb)	Hollow Shaft Basic Drive Gearmotor Less Motor Inch Dimensioned	
					Drive Designation	Part No.
342	5.11	902	1.67	813	04UJAJ2A5.0A_C	4761842
277	6.32	1117	1.56	820	6.3	4761846
244	7.17	1270	1.47	807	7.1	4761850
222	7.90	1401	1.40	802	8.0	4761854
195	8.97	1591	1.31	807	9.0	4761858
179	9.77	1726	1.27	820	10.	4761862
154	11.40	2019	1.16	807	11.	4761866
135	12.95	2295	1.08	802	12.	4761870
124	14.09	2495	1.04	809	14.	4761874
109	16.01	2840	0.97	796	16.	4761878
348	5.03	897	4.04	1778	06UJAJ2A5.0A_C	4761932
279	6.27	1112	3.72	1844	6.3	4761935
248	7.07	1264	3.50	1861	7.1	4761938
221	7.93	1409	3.32	1886	8.0	4761941
197	8.90	1588	3.14	1911	9.0	4761944
177	9.89	1762	3.04	1952	10.	4761947
155	11.30	2008	2.78	1988	11.	4761950
137	12.81	2284	2.60	2055	12.	4761953
124	14.09	2503	2.54	2117	14.	4761956
110	15.97	2842	2.36	2168	16.	4761959
99	17.59	3133	1.72	2180	18.	4761964
86	20.46	3641	1.62	2234	20.	4761968
80	21.94	3901	1.72	2293	22.	4761972
69	25.51	4534	1.57	2360	25.	4761976
61	28.92	5141	1.39	2338	28.	4761980
57	30.88	5492	1.31	2338	32.	4761984
49	36.06	6399	1.12	2428	36.	4761988
45	38.50	6823	1.05	2450	40.	4761992
39	45.18	8008	0.89	2383	45.	4761996
152	11.51	2041	4.04	2744	07UJAJ2A11.A_C	4762050
134	13.09	2319	3.78	2841	12.	4762054
122	14.35	2541	3.66	2926	14.	4762058
107	16.31	2899	3.42	3021	16.	4762062
100	17.48	3096	3.22	3045	18.	4762068
87	20.09	3560	2.96	3147	20.	4762073
80	21.79	3874	2.90	3238	22.	4762078
70	25.04	4421	2.66	3329	25.	4762083
61	28.77	5095	2.38	3400	28.	4762088
54	32.53	5749	2.14	3492	32.	4762093
49	35.86	6350	2.14	3594	36.	4762098
43	40.55	7186	1.97	3664	40.	4762103
39	44.99	7956	1.65	3679	45.	4762108
36	49.27	8723	1.53	3669	50.	4762113
31	56.07	9897	1.54	3680	56.	4762118
29	61.40	10819	1.41	3718	63.	4762123

Motors are available from Rexnord or Rexnord Distributors.

5.0 HP/184TC Motor Falk Part No. 1940401 Conforms to the following specifications:

C Face motor less base, TEFC, 1750 rpm, 208–230/460 Volts, 3 Phase, 60 Hz, NEMA B, 1.15 Service Factor.

Motors meeting other specifications are available upon request.

UJ – Gearmotor Selection Table

5.0 HP/1750 rpm/184TC Frame Motor

Approx Output rpm	Exact Ratio	Actual Output Torque (lb-in)	Service Factor	Overhung Load (lb)	Hollow Shaft Basic Drive Gearmotor Less Motor Inch Dimensioned	
					Drive Designation	Part No.
28	63.46	11102	1.06	3822	07UJAJ3A63.A_C	4762502
24	73.81	12905	0.96	3867	71.	4762505
22	79.09	13815	1.06	3957	80.	4762508
19	91.99	16077	0.95	3957	90.	4762511
61	28.58	5034	3.40	4096	08UJAJ2A28.A_C	4762204
54	32.26	5721	2.96	4222	32.	4762210
50	35.06	6168	3.40	4330	36.	4762216
44	39.58	7000	2.96	4454	40.	4762222
38	45.60	8073	2.34	4549	45.	4762228
35	50.09	8842	2.04	4620	50.	4762234
31	55.95	9871	2.34	4772	56.	4762240
28	61.46	10822	2.04	4852	63.	4762246
26	67.04	11815	1.75	4856	71.	4762252
23	77.20	13588	1.18	4847	80.	4762258
21	82.25	14477	1.71	4880	90.	4762264
18	94.71	16625	1.18	4908	100	4762270
17	103.32	18036	1.38	4731	08UJAJ3A100A_C	4762564
15	116.63	20365	1.23	4466	112	4762569
14	126.77	22058	1.15	4378	125	4762574
12	143.09	24844	1.02	4317	140	4762579
11	164.88	28725	0.87	3732	160	4762584
30	57.58	10190	3.72	7888	09UJAJ2A56.A_C	4762366
28	63.56	11212	3.38	7885	63.	4762372
26	67.71	11961	2.96	7887	71.	4762378
23	76.14	13423	2.44	7887	80.	4762384
20	87.44	15406	2.46	7883	90.	4762390
18	98.32	17292	2.20	7879	100	4762396
17	102.48	17940	2.16	7890	09UJAJ3A100A_C	4762624
15	113.85	19912	1.95	7890	112	4762628
13	132.34	23009	1.65	7890	125	4762632
12	147.03	25547	1.48	7890	140	4762636
11	160.82	28093	1.38	7890	160	4762640
10	177.54	31040	1.25	7890	180	4762644
8.4	207.69	36040	1.05	7868	200	4762648
7.6	229.28	39909	0.95	7868	225	4762652
24	74.39	13133	3.84	11279	10UJAJ2A80.A_C	4763661
19	93.70	16481	3.84	11277	100	4763673
17	102.80	17913	3.04	11277	10UJAJ3A100A_C	4764111
15	114.24	19927	2.82	11277	112	4764117
14	129.50	22574	2.92	11274	125	4764123
12	143.90	25083	2.64	11270	140	4764129
11	162.91	28492	2.02	11272	160	4764135
9.3	187.70	32811	1.75	11266	180	4764141
8.5	205.21	35765	1.85	11259	200	4764147
7.4	236.45	41216	1.60	11253	225	4764153
6.9	253.86	44268	1.30	11255	250	4764159
6.4	272.75	47507	1.21	11245	280	4764165
5.5	319.79	55545	1.19	11235	315	4764171
8.1	343.57	59580	1.11	11225	355	4764177

Motors are available from Rexnord or Rexnord Distributors.

5.0 HP/184TC Motor Falk Part No. 1940401 Conforms to the following specifications:

C Face motor less base, TEFC, 1750 rpm, 208–230/460 Volts, 3 Phase, 60 Hz, NEMA B, 1.15 Service Factor.

Motors meeting other specifications are available upon request.

UJ – Gearmotor Selection Table

7.5 HP/1750 rpm/213TC Frame Motor

Approx Output rpm	Exact Ratio	Actual Output Torque (lb-in)	Service Factor	Overhung Load (lb)	Hollow Shaft Basic Drive Gearmotor Less Motor Inch Dimensioned	
					Drive Designation	Part No.
348	5.03	1345	2.69	1705	06UJAJ2A5.0A_D	4761933
279	6.27	1669	2.48	1758	6.3	4761936
248	7.07	1896	2.33	1758	7.1	4761939
221	7.93	2113	2.21	1770	8.0	4761942
197	8.90	2382	2.09	1780	9.0	4761945
177	9.89	2644	2.03	1817	10.	4761948
155	11.30	3013	1.85	1825	11.	4761951
137	12.81	3427	1.73	1865	12.	4761954
124	14.09	3755	1.69	1922	14.	4761957
110	15.97	4263	1.57	1949	16.	4761960
340	5.15	1367	2.77	2340	07UJAJ2A5.0A_D	4762027
273	6.42	1704	2.77	2430	6.3	4762031
245	7.14	1898	2.77	2453	7.1	4762035
218	8.02	2135	2.77	2482	8.0	4762039
199	8.81	2348	2.77	2509	9.0	4762043
175	9.99	2659	2.77	2562	10.	4762047
152	11.51	3062	2.69	2606	11.	4762051
134	13.09	3479	2.52	2684	12.	4762055
122	14.35	3812	2.44	2761	14.	4762059
107	16.31	4349	2.28	2834	16.	4762063
100	17.48	4645	2.15	2837	18.	4762069
87	20.09	5341	1.97	2911	20.	4762074
80	21.79	5812	1.93	2990	22.	4762079
70	25.04	6631	1.77	3047	25.	4762084
61	28.77	7643	1.59	3060	28.	4762089
54	32.53	8624	1.43	3106	32.	4762094
49	35.86	9526	1.43	3190	36.	4762099
43	40.55	10780	1.32	3203	40.	4762104
39	44.99	11935	1.10	3143	45.	4762109
36	49.27	13085	1.02	3115	50.	4762114
31	56.07	14846	1.03	3132	56.	4762119
29	61.40	16229	0.94	3191	63.	4762124
110	15.87	4226	3.96	3384	08UJAJ2A16.A_D	4762183
98	17.88	4747	3.55	3466	18.	4762187
84	20.81	5536	3.21	3569	20.	4762191
80	21.93	5817	3.28	3653	22.	4762195
69	25.53	6776	3.00	3768	25.	4762199
61	28.58	7552	2.27	3803	28.	4762205
54	32.26	8582	1.97	3889	32.	4762211
50	35.06	9252	2.27	3983	36.	4762217
44	39.58	10500	1.97	4065	40.	4762223
38	45.60	12109	1.56	4081	45.	4762229
35	50.09	13263	1.36	4105	50.	4762235
31	55.95	14806	1.56	4220	56.	4762241
28	61.46	16233	1.36	4246	63.	4762247
26	67.04	17723	1.17	4170	71.	4762253
21	82.25	21715	1.14	4159	90.	4762265
48	36.69	9765	3.88	7887	09UJAJ2A36.A_D	4762343
43	40.76	10812	3.49	7883	40.	4762349
39	44.58	11854	3.11	7886	45.	4762355
36	49.22	13068	2.84	7881	50.	4762361
30	57.58	15285	2.48	7884	56.	4762367
28	63.56	16818	2.25	7878	63.	4762373
26	67.71	17942	1.97	7882	71.	4762379
23	76.14	20134	1.63	7882	80.	4762385
20	87.44	23109	1.64	7873	90.	4762391
18	98.32	25938	1.47	7865	100	4762397
27	64.49	17064	3.85	11274	10UJAJ2A63.A_D	4763650
25	69.24	18353	3.01	11271	71.	4763656
24	74.39	19700	2.56	11271	80.	4763662
20	87.21	23068	2.85	11267	90.	4763668
19	93.70	24722	2.56	11267	100	4763674
17	102.80	26870	2.03	11268	10UJAJ3A100A_D	4764112
15	114.24	29891	1.88	11268	112	4764118
14	129.50	33862	1.95	11260	125	4764124
12	143.90	37624	1.76	11251	140	4764131
11	182.91	42738	1.35	11256	160	4764136
9.3	187.70	49217	1.17	11242	180	4764142
8.5	205.21	53647	1.23	11227	200	4764148
7.4	236.45	61825	1.07	11213	225	4764154
6.9	253.86	66403	0.87	11217	250	4764160

Motors are available from Rexnord or Rexnord Distributors.

7.5 HP/213TC Motor Falk Part No. 1940402 Conforms to the following specifications:

C Face motor less base, TEFC, 1750 rpm, 208–230/460 Volts, 3 Phase, 60 Hz, NEMA B, 1.15 Service Factor.

Motors meeting other specifications are available upon request.

UJ – Gearmotor Selection Table

10 HP/1750 rpm/215TC Frame Motor

Approx Output rpm	Exact Ratio	Actual Output Torque (lb-in)	Service Factor	Overhung Load (lb)	Hollow Shaft Basic Drive Gearmotor Less Motor Inch Dimensioned	
					Drive Designation	Part No.
348	5.03	1794	2.02	1632	06UJAJ2A5.0A_D	4761933
279	6.27	2225	1.86	1672	6.3	4761936
248	7.07	2528	1.75	1654	7.1	4761939
221	7.93	2818	1.66	1654	8.0	4761942
197	8.90	3176	1.57	1650	9.0	4761945
177	9.89	3525	1.52	1681	10.	4761948
155	11.30	4017	1.39	1663	11.	4761951
137	12.81	4569	1.30	1674	12.	4761954
124	14.09	5007	1.27	1728	14.	4761957
110	15.97	5684	1.18	1730	16.	4761960
340	5.15	1822	2.08	2280	07UJAJ2A5.0A_D	4762027
273	6.42	2272	2.08	2357	6.3	4762031
245	7.14	2531	2.08	2368	7.1	4762035
218	8.02	2846	2.08	2387	8.0	4762039
199	8.81	3131	2.08	2405	9.0	4762043
175	9.99	3546	2.08	2449	10.	4762047
152	11.51	4083	2.02	2468	11.	4762051
134	13.09	4639	1.89	2526	12.	4762055
122	14.35	5082	1.83	2597	14.	4762059
107	16.31	5799	1.71	2648	16.	4762063
100	17.48	6193	1.61	2630	18.	4762069
87	20.09	7121	1.48	2675	20.	4762074
80	21.79	7749	1.45	2742	22.	4762079
70	25.04	8842	1.33	2764	25.	4762084
61	28.77	10190	1.19	2720	28.	4762089
54	32.53	11499	1.07	2719	32.	4762094
49	35.86	12701	1.07	2787	36.	4762099
43	40.55	14373	0.99	2742	40.	4762104
196	8.91	3160	3.29	2910	08UJAJ2A9.0A_D	4762163
178	9.83	3477	3.29	2959	10.	4762167
152	11.52	4093	3.29	2993	11.	4762171
135	12.94	4599	3.26	3069	12.	4762175
124	14.14	4993	3.17	3153	14.	4762179
110	15.87	5635	2.97	3229	16.	4762183
98	17.88	6329	2.66	3280	18.	4762187
84	20.81	7381	2.41	3354	20.	4762191
80	21.93	7756	2.46	3435	22.	4762195
69	25.53	9035	2.25	3513	25.	4762199
61	28.58	10069	1.70	3510	28.	4762205
54	32.26	11443	1.48	3555	32.	4762211
50	35.06	12336	1.70	3636	36.	4762217
44	39.58	14000	1.48	3677	40.	4762223
38	45.60	16146	1.17	3612	45.	4762229
35	50.09	17684	1.02	3591	50.	4762235
31	55.95	19742	1.17	3667	56.	4762241
28	61.46	21644	1.02	3641	63.	4762247
26	67.04	23631	0.87	3484	71.	4762253
62	28.41	10080	3.40	7886	09UJAJ2A28.A_D	4762331
55	31.56	11211	3.09	7884	32.	4762337
48	36.69	13021	2.91	7884	36.	4762343
43	40.76	14416	2.62	7879	40.	4762349
39	44.58	15806	2.33	7883	45.	4762355
36	49.22	17424	2.13	7876	50.	4762361
30	57.58	20380	1.86	7881	56.	4762367
28	63.56	22425	1.69	7872	63.	4762373
26	67.71	23923	1.48	7877	71.	4762379
23	76.14	26846	1.22	7877	80.	4762385
20	87.44	30813	1.23	7864	90.	4762391
18	98.32	34584	1.10	7851	100	4762397
39	44.43	15754	3.64	11272	10UJAJ2A45.A_D	4763632
34	51.19	18157	3.16	11268	50.	4763638
31	55.97	19837	3.25	11268	56.	4763644
27	64.49	22752	2.89	11267	63.	4763650
25	69.24	24471	2.26	11263	71.	4763656
24	74.39	26267	1.92	11263	80.	4763662
20	87.21	30758	2.14	11256	90.	4763668
19	93.70	32963	1.92	11257	100	4763674
17	102.80	35827	1.52	11259	10UJAJ3A100A_D	4764112
15	114.24	39855	1.41	11259	112	4764118
14	129.50	45149	1.46	11248	125	4764124
12	143.90	50168	1.32	11232	140	4764131
11	162.91	56984	1.01	11240	160	4764136
9.3	187.70	65623	0.88	11217	180	4764142

Motors are available from Rexnord or Rexnord Distributors.

10 HP/215TC Motor
Falk Part No. 1940403
Conforms to the following specifications:

C Face motor less base, TEFC, 1750 rpm, 208–230/460 Volts, 3 Phase, 60 Hz, NEMA B, 1.00 Service Factor.

Motors meeting other specifications are available upon request.

UJ – Gearmotor Selection Table

15 HP/1750 rpm/254TC Frame Motor

Approx Output rpm	Exact Ratio	Actual Output Torque (lb-in)	Service Factor	Overhung Load (lb)	Hollow Shaft Basic Drive Gearmotor Less Motor Inch Dimensioned	
					Drive Designation	Part No.
340	5.15	2680	1.39	2158	07UJAJ2A5.0A_E	4762028
273	6.42	3340	1.39	2210	6.3	4762032
245	7.14	3721	1.39	2196	7.1	4762036
218	8.02	4185	1.39	2197	8.0	4762040
199	8.81	4604	1.39	2196	9.0	4762044
175	9.99	5214	1.39	2223	10.	4762048
152	11.51	6004	1.35	2191	11.	4762052
134	13.09	6820	1.26	2211	12.	4762056
122	14.35	7472	1.22	2268	14.	4762060
107	16.31	8526	1.14	2276	16.	4762064
344	5.09	2639	2.19	2601	08UJAJ2A5.0A_E	4762148
280	6.24	3229	2.19	2665	6.3	4762152
243	7.21	3757	2.19	2692	7.1	4762156
218	8.01	4158	2.19	2705	8.0	4762160
196	8.91	4646	2.19	2725	9.0	4762164
178	9.83	5111	2.19	2761	10.	4762168
152	11.52	6017	2.19	2755	11.	4762172
135	12.94	6762	2.17	2804	12.	4762176
124	14.14	7341	2.11	2869	14.	4762180
110	15.87	8284	1.98	2918	16.	4762184
98	17.88	9305	1.77	2910	18.	4762188
84	20.81	10851	1.61	2924	20.	4762192
80	21.93	11403	1.64	2998	22.	4762196
69	25.53	13283	1.50	3004	25.	4762200
61	28.58	14804	1.13	2923	28.	4762206
50	35.06	18137	1.13	2941	36.	4762218
44	39.58	20582	0.99	2899	40.	4762224
138	12.68	6622	3.93	7890	09UJAJ2A12.A_E	4762302
119	14.66	7627	3.69	7890	14.	4762306
107	16.37	8521	3.45	7890	16.	4762310
100	17.58	9171	3.26	7890	18.	4762314
87	20.04	10484	2.96	7890	20.	4762318
77	22.70	11849	2.85	7890	22.	4762322
68	25.88	13480	2.63	7890	25.	4762326
62	28.41	14819	2.27	7883	28.	4762332
55	31.56	16483	2.06	7880	32.	4762338
48	36.69	19143	1.94	7880	36.	4762344
43	40.76	21194	1.75	7870	40.	4762350
39	44.58	23237	1.55	7878	45.	4762356
36	49.22	25617	1.42	7866	50.	4762362
30	57.58	29962	1.24	7874	56.	4762368
28	63.56	32968	1.13	7859	63.	4762374
26	67.71	35171	0.99	7868	71.	4762380
77	22.76	11862	3.83	11285	10UJAJ2A22.A_E	4763599
68	25.77	13414	3.55	11285	25.	4763603
62	28.04	14632	3.31	11273	28.	4763609
56	31.16	16292	3.09	11273	32.	4763615
50	35.32	18419	2.92	11268	36.	4763621
45	39.25	20429	2.73	11268	40.	4763627
39	44.43	23161	2.43	11263	45.	4763633
34	51.19	26694	2.11	11256	50.	4763639
31	55.97	29165	2.17	11256	56.	4763645
27	64.49	33450	1.93	11255	63.	4763651
25	69.24	35976	1.51	11248	71.	4763657
24	74.39	38617	1.28	11248	80.	4763663
20	87.21	45219	1.43	11236	90.	4763669
19	93.70	48461	1.28	11237	100	4763675
17	102.80	52672	1.01	11240	10UJAJ3A100A_E	4764113
15	114.24	58593	0.94	11240	112	4764119

Motors are available from Rexnord or Rexnord Distributors.

15 HP/254TC Motor
Falk Part No. 1940404
Conforms to the following specifications:

C Face motor less base, TEFC, 1750 rpm, 208-230/460 Volts, 3 Phase, 60 Hz, NEMA B, 1.15 Service Factor.

Motors meeting other specifications are available upon request.

UJ – Gearmotor Selection Table

20 HP/1750 rpm/256TC Frame Motor

Approx Output rpm	Exact Ratio	Actual Output Torque (lb-in)	Service Factor	Overhung Load (lb)	Hollow Shaft Basic Drive Gearmotor Less Motor Inch Dimensioned	
					Drive Designation	Part No.
340	5.15	3573	1.04	2036	07UJAJ2A5.0A_E	4762028
273	6.42	4454	1.04	2063	6.3	4762032
245	7.14	4962	1.04	2025	7.1	4762036
218	8.02	5580	1.04	2007	8.0	4762040
199	8.81	6139	1.04	1987	9.0	4762044
175	9.99	6952	1.04	1998	10.	4762048
152	11.51	8005	1.01	1915	11.	4762052
134	13.09	9094	0.95	1897	12.	4762056
344	5.09	3519	1.65	2495	08UJAJ2A5.0A_E	4762148
280	6.24	4305	1.65	2540	6.3	4762152
243	7.21	5009	1.65	2540	7.1	4762156
218	8.01	5544	1.65	2540	8.0	4762160
196	8.91	6195	1.65	2540	9.0	4762164
178	9.83	6815	1.65	2562	10.	4762168
152	11.52	8023	1.65	2517	11.	4762172
135	12.94	9016	1.63	2540	12.	4762176
124	14.14	9788	1.59	2584	14.	4762180
110	15.87	11046	1.49	2607	16.	4762184
98	17.88	12407	1.33	2539	18.	4762188
84	20.81	14469	1.21	2494	20.	4762192
80	21.93	15204	1.23	2562	22.	4762196
69	25.53	17710	1.13	2494	25.	4762200
61	28.58	19739	0.85	2337	28.	4762206
223	7.85	5459	3.79	7890	09UJAJ2A8.0A_E	4762286
199	8.81	6120	3.58	7890	9.0	4762290
173	10.13	7033	3.37	7890	10.	4762294
154	11.35	7891	3.15	7890	11.	4762298
138	12.68	8829	2.95	7890	12.	4762302
119	14.66	10169	2.77	7890	14.	4762306
107	16.37	11361	2.59	7890	16.	4762310
100	17.58	12228	2.45	7890	18.	4762314
87	20.04	13979	2.22	7887	20.	4762318
77	22.70	15799	2.14	7887	22.	4762322
68	25.88	17974	1.98	7884	25.	4762326
62	28.41	19759	1.70	7880	28.	4762332
55	31.56	21977	1.55	7876	32.	4762338
48	36.69	25524	1.46	7876	36.	4762344
43	40.76	28258	1.31	7862	40.	4762350
39	44.58	30983	1.17	7873	45.	4762356
36	49.22	34156	1.07	7856	50.	4762362
30	57.58	39949	0.93	7868	56.	4762368
121	14.46	10031	3.76	11285	10UJAJ2A14.A_E	4763583
112	15.61	10818	3.59	11285	16.	4763587
97	18.07	12582	3.25	11285	18.	4763591
86	20.46	14267	3.01	11285	20.	4763595
77	22.76	15817	2.88	11282	22.	4763599
68	25.77	17885	2.66	11282	25.	4763603
62	28.04	19510	2.48	11269	28.	4763609
56	31.16	21722	2.32	11269	32.	4763615
50	35.32	24559	2.19	11261	36.	4763621
45	39.25	27239	2.05	11261	40.	4763627
39	44.43	30882	1.82	11254	45.	4763633
34	51.19	35593	1.58	11244	50.	4763639
31	55.97	38886	1.63	11244	56.	4763645
27	64.49	44500	1.45	11242	63.	4763651
25	69.24	47968	1.13	11233	71.	4763657
24	74.39	51490	0.96	11233	80.	4763663

Motors are available from Rexnord or Rexnord Distributors.

20 HP/256TC Motor
Falk Part No. 1940405
Conforms to the following specifications:

C Face motor less base, TEFC, 1750 rpm, 208–230/460 Volts, 3 Phase, 60 Hz, NEMA B, 1.15 Service Factor.

Motors meeting other specifications are available upon request.

UJ – Gearmotor Selection Table

25 HP/1750 rpm/284TC Frame Motor

Approx Output rpm	Exact Ratio	Actual Output Torque (lb-in)	Service Factor	Overhung Load (lb)	Hollow Shaft Basic Drive Gearmotor Less Motor Inch Dimensioned	
					Drive Designation	Part No.
344	5.08	4405	3.69	7884	09UJAJ2A5.0A_F	4762275
266	6.57	5681	3.32	7890	6.3	4762279
250	7.00	6073	3.20	7890	7.1	4762283
223	7.85	6823	3.03	7890	8.0	4762287
199	8.81	7650	2.86	7890	9.0	4762291
173	10.13	8791	2.69	7890	10.	4762295
154	11.35	9864	2.52	7890	11.	4762299
138	12.68	11036	2.36	7890	12.	4762303
119	14.66	12711	2.22	7890	14.	4762307
107	16.37	14201	2.07	7890	16.	4762311
100	17.58	15285	1.96	7890	18.	4762315
87	20.04	17474	1.78	7884	20.	4762319
77	22.70	19749	1.71	7884	22.	4762323
68	25.88	22468	1.58	7877	25.	4762327
62	28.41	24699	1.36	7877	28.	4762333
55	31.56	27472	1.24	7872	32.	4762339
48	36.69	31905	1.16	7872	36.	4762345
43	40.76	35323	1.05	7854	40.	4762351
39	44.58	38729	0.93	7868	45.	4762357
199	8.81	7679	3.86	11285	10UJAJ2A9.0A_F	4763568
179	9.77	8488	3.70	11285	10.	4763572
152	11.48	9995	3.36	11285	11.	4763576
141	12.39	10773	3.22	11285	12.	4763580
121	14.46	12539	3.00	11285	14.	4763584
112	15.61	13523	2.87	11285	16.	4763588
97	18.07	15728	2.60	11285	18.	4763592
86	20.46	17834	2.40	11285	20.	4763596
77	22.76	19771	2.30	11278	22.	4763600
68	25.77	22357	2.13	11278	25.	4763604
62	28.04	24387	1.98	11264	28.	4763610
56	31.16	27153	1.85	11264	32.	4763616
50	35.32	30698	1.75	11253	36.	4763622
45	39.25	34049	1.64	11253	40.	4763628
39	44.43	38602	1.46	11245	45.	4763634
34	51.19	44491	1.26	11231	50.	4763640
31	55.97	48608	1.30	11231	56.	4763646
27	64.49	55750	1.16	11230	63.	4763652
25	69.24	59960	0.90	11217	71.	4763658

Motors are available from Rexnord or Rexnord Distributors.

25 HP/284TC Motor Falk Part No. 1940406 Conforms to the following specifications:

C Face motor less base, TEFC, 1750 rpm, 208-230/460 Volts, 3 Phase, 60 Hz, NEMA B, 1.15 Service Factor.

Motors meeting other specifications are available upon request.

UJ – Gearmotor Selection Table

30 HP/1750 rpm/286TC Frame Motor

Approx Output rpm	Exact Ratio	Actual Output Torque (lb-in)	Service Factor	Overhung Load (lb)	Hollow Shaft Basic Drive Gearmotor Less Motor Inch Dimensioned	
					Drive Designation	Part No.
344	5.08	5286	3.08	7881	09UJAJ2A5.0A_F	4762275
266	6.57	6817	2.76	7890	6.3	4762279
250	7.00	7288	2.67	7890	7.1	4762283
223	7.85	8188	2.53	7890	8.0	4762287
199	8.81	9180	2.39	7890	9.0	4762291
173	10.13	10549	2.24	7890	10.	4762295
154	11.35	11837	2.10	7890	11.	4762299
138	12.68	13244	1.97	7890	12.	4762303
119	14.66	15254	1.85	7890	14.	4762307
107	16.37	17042	1.73	7890	16.	4762311
100	17.58	18342	1.63	7890	18.	4762315
87	20.04	20968	1.48	7881	20.	4762319
77	22.70	23699	1.43	7881	22.	4762323
68	25.88	26961	1.32	7871	25.	4762327
62	28.41	29639	1.13	7874	28.	4762333
55	31.56	32966	1.03	7868	32.	4762339
48	36.69	38286	0.97	7868	36.	4762345
272	6.43	6703	3.77	11285	10UJUA2A6.3A_F	4763556
245	7.13	7441	3.57	11285	7.1	4763560
226	7.76	8111	3.43	11285	8.0	4763564
199	8.81	9214	3.22	11285	9.0	4763568
179	9.77	10186	3.08	11285	10.	4763572
152	11.48	11994	2.80	11285	11.	4763576
141	12.39	12928	2.68	11285	12.	4763580
121	14.46	15046	2.50	11285	14.	4763584
112	15.61	16228	2.39	11285	16.	4763588
97	18.07	18873	2.16	11285	18.	4763592
86	20.46	21401	2.00	11285	20.	4763596
77	22.76	23725	1.92	11275	22.	4763600
68	25.77	26828	1.77	11275	25.	4763604
62	28.04	29265	1.65	11259	28.	4763610
56	31.16	32584	1.54	11259	32.	4763616
50	35.32	36838	1.46	11246	36.	4763622
45	39.25	40859	1.36	11246	40.	4763628
39	44.43	46323	1.21	11236	45.	4763634
34	51.19	53389	1.05	11219	50.	4763640
31	55.97	58330	1.08	11219	56.	4763646
27	64.49	66901	0.96	11217	63.	4763652

Motors are available from Rexnord or Rexnord Distributors.

30 HP/286TC Motor Falk Part No. 1940407 Conforms to the following specifications:

C Face motor less base, TEFC, 1750 rpm, 208–230/460 Volts, 3 Phase, 60 Hz, NEMA B, 1.15 Service Factor.

Motors meeting other specifications are available upon request.

UJ – Gearmotor Selection Table

40 HP/1750 rpm/324TC Frame Motor

Approx Output rpm	Exact Ratio	Actual Output Torque (lb-in)	Service Factor	Overhung Load (lb)	Hollow Shaft Basic Drive Gearmotor Less Motor Inch Dimensioned	
					Drive Designation	Part No.
344	5.08	7048	2.31	7874	09UJAJ2A5.0A_G	4762276
266	6.57	9089	2.07	7890	6.3	4762280
250	7.00	9717	2.00	7890	7.1	4762284
223	7.85	10918	1.90	7890	8.0	4762288
199	8.81	12240	1.79	7890	9.0	4762292
173	10.13	14066	1.68	7890	10.	4762296
154	11.35	15783	1.57	7890	11.	4762300
138	12.68	17659	1.48	7890	12.	4762304
119	14.66	20338	1.39	7890	14.	4762308
107	16.37	22722	1.30	7890	16.	4762312
100	17.58	24456	1.22	7890	18.	4762316
87	20.04	27958	1.11	7874	20.	4762320
77	22.70	31598	1.07	7874	22.	4762324
68	25.88	35949	0.99	7858	25.	4762328
343	5.11	7094	3.10	11285	10UJAJ2A5.0A_G	4763553
272	6.43	8937	2.83	11285	6.3	4763557
245	7.13	9921	2.68	11285	7.1	4763561
226	7.76	10814	2.58	11285	8.0	4763565
199	8.81	12286	2.42	11285	9.0	4763569
179	9.77	13581	2.31	11285	10.	4763573
152	11.48	15992	2.10	11285	11.	4763577
141	12.39	17237	2.01	11285	12.	4763581
121	14.46	20062	1.88	11285	14.	4763585
112	15.61	21637	1.79	11285	16.	4763589
97	18.07	25165	1.62	11285	18.	4763593
86	20.46	28535	1.50	11285	20.	4763597
77	22.76	31634	1.44	11269	22.	4763601
68	25.77	35771	1.33	11269	25.	4763605
62	28.04	39020	1.24	11250	28.	4763611
56	31.16	43445	1.16	11250	32.	4763617
50	35.32	49118	1.10	11232	36.	4763623
45	39.25	54479	1.02	11232	40.	4763629
39	44.43	61764	0.91	11217	45.	4763635

Motors are available from Rexnord or Rexnord Distributors.

40 HP/324TC Motor Falk Part No. 1940408 Conforms to the following specifications:

C Face motor less base, TEFC, 1750 rpm, 208–230/460 Volts, 3 Phase, 60 Hz, NEMA B, 1.15 Service Factor.

Motors meeting other specifications are available upon request.

50 HP/1750 rpm/326TC Frame Motor

Approx Output rpm	Exact Ratio	Actual Output Torque (lb-in)	Service Factor	Overhung Load (lb)	Hollow Shaft Basic Drive Gearmotor Less Motor Inch Dimensioned	
					Drive Designation	Part No.
344	5.08	7048	1.85	7874	09UJAJ2A5.0A_G	4762276
266	6.57	9089	1.66	7890	6.3	4762280
250	7.00	9717	1.60	7890	7.1	4762284
223	7.85	10918	1.52	7890	8.0	4762288
199	8.81	12240	1.43	7890	9.0	4762292
173	10.13	14066	1.34	7890	10.	4762296
154	11.35	15783	1.26	7890	11.	4762300
138	12.68	17659	1.18	7890	12.	4762304
119	14.66	20338	1.11	7890	14.	4762308
107	16.37	22722	1.04	7890	16.	4762312
100	17.58	24456	.98	7890	18.	4762316
343	5.11	8868	2.48	11285	10UJAJ2A5.0A_G	4763553
272	6.43	11171	2.26	11285	6.3	4763557
245	7.13	12402	2.14	11285	7.1	4763561
226	7.76	13518	2.06	11285	8.0	4763565
199	8.81	15358	1.93	11285	9.0	4763569
179	9.77	16976	1.85	11285	10.	4763573
152	11.48	19991	1.68	11285	11.	4763577
141	12.39	21546	1.61	11285	12.	4763581
121	14.46	25078	1.50	11285	14.	4763585
112	15.61	27047	1.43	11285	16.	4763589
97	18.07	31456	1.30	11285	18.	4763593
86	20.46	35668	1.20	11285	20.	4763597
77	22.76	39543	1.15	11262	22.	4763601
68	25.77	44714	1.06	11262	25.	4763605
62	28.04	48775	0.99	11240	28.	4763611

Motors are available from Rexnord or Rexnord Distributors.

50 HP/326TC Motor Falk Part No. 1940409 Conforms to the following specifications:

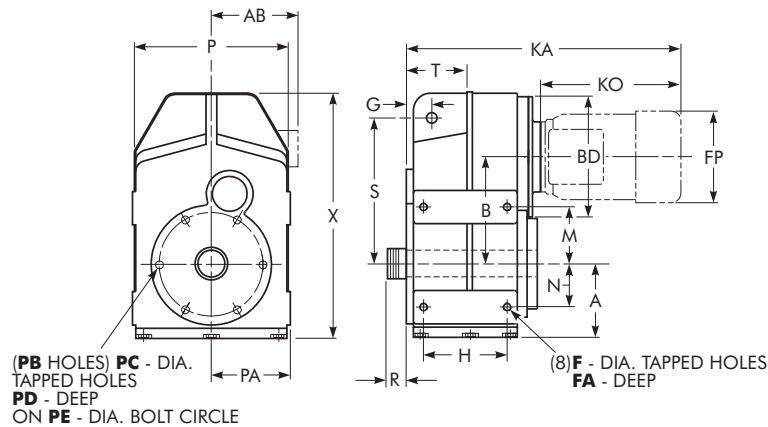
C Face motor less base, TEFC, 1750 rpm, 208–230/460 Volts, 3 Phase, 60 Hz, NEMA B, 1.15 Service Factor.

Motors meeting other specifications are available upon request.

Type UJ Double Reduction Gearmotor

Sizes 04-10 — Dimensions — Inches

BASIC DRIVE HOLLOW LOW SPEED SHAFT



SIZE ★	A	B	F	FA	G	H	M	N	P	PA	PB	PC	PD	PE	R	S	T	X
04	3.35	4.72	M10 x 1.50	0.67	1.26	3.54	2.38	1.97	6.54	3.46	4	M8 x 1.25	0.55	5.12	1.33	6.69	2.67	11.10
06	4.33	6.30	M12 x 1.75	0.79	1.53	4.92	3.35	2.56	8.90	4.65	6	M12 x 1.75	0.79	5.91	1.02	8.58	3.57	14.45
07	5.28	7.87	M16 x 2.00	0.98	1.89	5.91	4.53	3.35	10.47	5.51	6	M12 x 1.75	0.79	5.91	0.99	10.94	4.16	17.68
08	5.83	8.90	M16 x 2.00	0.94	2.32	6.69	3.94	3.94	12.60	6.69	8	M12 x 1.75	0.79	7.68	1.05	13.62	4.61	20.71
09	6.89	10.79	M16 x 2.00	0.94	2.56	8.46	8.86	4.92	15.12	7.87	6	M16 x 2.00	1.06	9.06	1.10	15.55	5.71	24.09
10	8.50	13.07	M20 x 2.00	1.06	3.46	9.84	10.71	6.22	17.87	9.25	10	M16 x 2.00	1.06	11.02	1.16	19.09	6.75	29.45

Typical NEMA Motor Dimensions ★

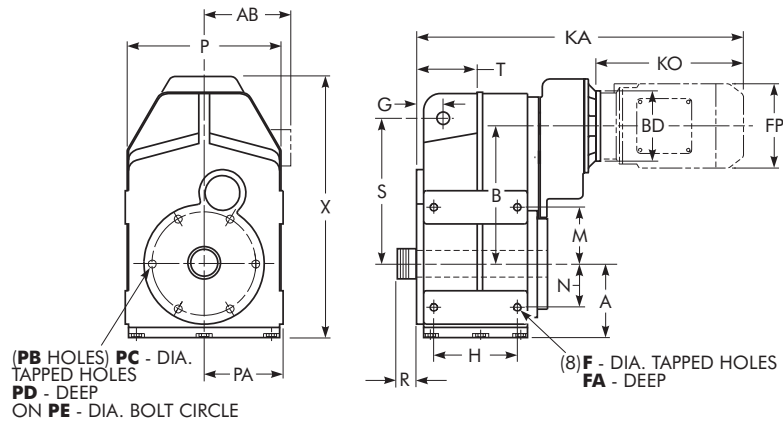
Frame Size	DRIVE SIZE									
	All Sizes				04	06	07	08	09	10
	AB	BD	FP	KO (Max)	KA (Max)	KA (Max)	KA (Max)	KA (Max)	KA (Max)	KA (Max)
56C	5.25	6.50	7.19	12.00	19.09	20.55	22.08	23.77	...	...
143TC/145TC	5.25	6.50	7.19	12.06	19.15	20.61	22.14	23.83	...	...
182TC/184TC	5.88	9.00	8.50	15.44	22.96	25.50	26.32	27.21	29.62	31.28
213TC/215TC	7.38	9.00	10.19	16.31	...	26.37	27.20	28.08	30.49	32.15
254TC/256TC	8.94	9.13	12.50	19.63	...	...	30.52	31.40	35.18	36.65
284TC/286TC	13.13	11.19	15.56	23.19	...	...	...	...	38.86	40.33
324TC/326TC	14.13	13.38	16.94	25.25	...	...	...	...	41.55	43.02

★ Refer to Page 6 for General Information and Reference Notes.

Type UJ Triple Reduction Gearmotor

Sizes 04-07 — Dimensions – Inches

BASIC DRIVE HOLLOW LOW SPEED SHAFT



SIZE ★	A	B	F	FA	G	H	M	N	P	PA	PB	PC	PD	PE	R	S	T	X
04	3.35	6.14	M10 x 1.50	0.67	1.26	3.54	2.36	1.97	6.54	3.46	4	M8 x 1.25	0.55	5.12	1.33	6.69	2.67	12.25
06	4.33	8.15	M12 x 1.75	0.79	1.53	4.92	3.35	2.56	8.90	4.65	6	M12 x 1.75	0.79	5.91	1.02	8.58	3.57	15.24
07	5.28	10.24	M16 x 2.00	0.98	1.89	5.91	4.52	3.35	10.47	5.51	6	M12 x 1.75	0.79	5.91	0.99	10.94	4.16	19.06

Typical NEMA Motor Dimensions ★

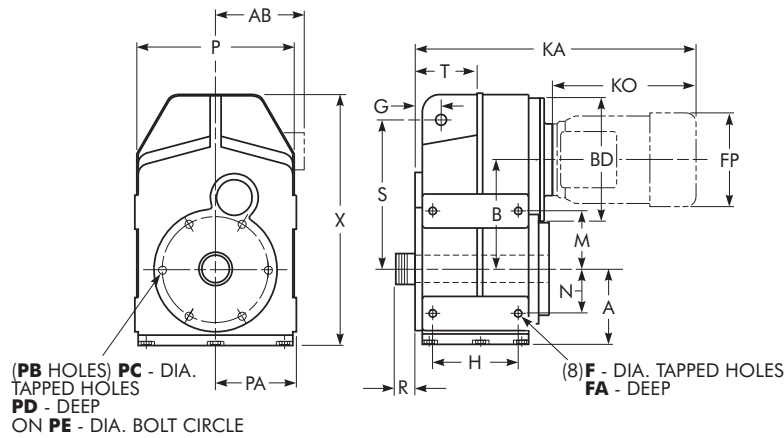
Frame Size	DRIVE SIZE						
	All Sizes				04	06	07
	AB	BD	FP	KO (Max)	KA (Max)	KA (Max)	KA (Max)
56C	5.25	6.50	7.19	12.00	21.30	23.62	25.32
143TC/145TC	5.25	6.50	7.19	12.06	21.36	23.68	25.35
182TC/184TC	5.88	9.00	8.50	15.44	...	27.49	30.26
213TC/215TC	7.38	9.00	10.19	16.31	...	...	34.48

★ Refer to Page 6 for General Information and Reference Notes.

Type UJ Triple Reduction Gearmotor

Sizes 08-10 — Dimensions — Inches

BASIC DRIVE HOLLOW LOW SPEED SHAFT



SIZE ★	A	B	F	FA	G	H	M	N	P	PA	PB	PC	PD	PE	R	S	T	X
08	5.83	8.90	M16 x 2.00	0.94	2.32	6.69	3.94	3.94	12.60	6.69	8	M12 x 1.75	0.79	7.68	1.05	13.62	4.61	20.71
09	6.89	10.79	M16 x 2.00	0.94	2.56	8.46	8.86	4.92	15.12	7.87	6	M16 x 2.00	1.06	9.06	1.10	15.55	5.71	24.09
10	8.50	13.07	M20 x 2.00	1.06	3.46	9.84	10.71	6.22	17.87	9.25	10	M16 x 2.00	1.06	11.02	1.16	19.09	6.75	29.45

Typical NEMA Motor Dimensions ★

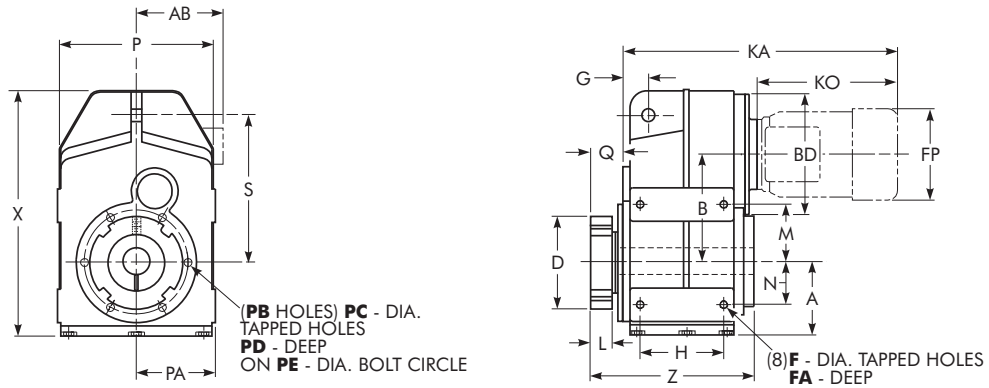
Frame Size	DRIVE SIZE						
	All Sizes				08	09	10
	AB	BD	FP	KO (Max)	KA (Max)	KA (Max)	KA (Max)
56C	5.25	6.50	7.19	12.00	24.32	27.24	...
143TC/145TC	5.25	6.50	7.19	12.06	24.38	27.30	...
182TC/184TC	5.88	9.00	8.50	15.44	28.55	30.68	33.01
213TC/215TC	7.38	9.00	10.19	16.31	29.44	...	33.88
254TC/256TC	8.94	9.13	12.50	19.63	...	...	38.58
284TC/286TC	13.13	11.19	15.56	23.19	...	...	42.25
324TC/326TC	14.13	13.38	16.94	25.25	...	...	44.94

★ Refer to Page 6 for General Information and Reference Notes.

Type UJ Double Reduction Gearmotor

Sizes 04-10 — Dimensions — Inches

BASIC DRIVE WITH TA TAPER BUSHING



SIZE ★	A	B	D	F	FA	G	H
04	3.35	4.72	3.31	M10 x 1.50	0.67	1.26	3.54
06	4.33	6.30	4.06	M12 x 1.75	0.79	1.53	4.92
07	5.28	7.87	4.31	M16 x 2.00	0.98	1.89	5.91
08	5.83	8.90	4.81	M16 x 2.00	0.94	2.32	6.69
09	6.59	10.79	5.68	M16 x 2.00	0.94	2.56	8.46
10	8.50	13.07	6.06	M20 x 2.00	1.06	3.46	9.84

SIZE ★	L	M	N	P	PA	PB	PC	PD	PE	Q	S	X	Z
04	1.26	2.38	1.97	6.54	3.46	4	M8 x 1.25	0.55	5.12	2.17	6.69	11.10	8.27
06	1.46	3.35	2.56	8.90	4.65	6	M12 x 1.75	0.79	5.91	1.91	8.58	14.45	10.18
07	1.46	4.53	3.35	10.47	5.51	6	M12 x 1.75	0.79	5.91	1.97	10.94	17.68	11.82
08	1.46	3.94	3.94	12.60	6.69	8	M12 x 1.75	0.79	7.68	2.03	13.62	20.71	12.67
09	1.76	8.86	4.92	15.12	7.87	6	M16 x 2.00	1.06	9.06	2.24	15.55	24.09	15.77
10	1.76	10.71	6.22	17.87	9.25	10	M16 x 2.00	1.06	11.02	2.41	19.09	29.45	17.33

Typical NEMA Motor Dimensions ★

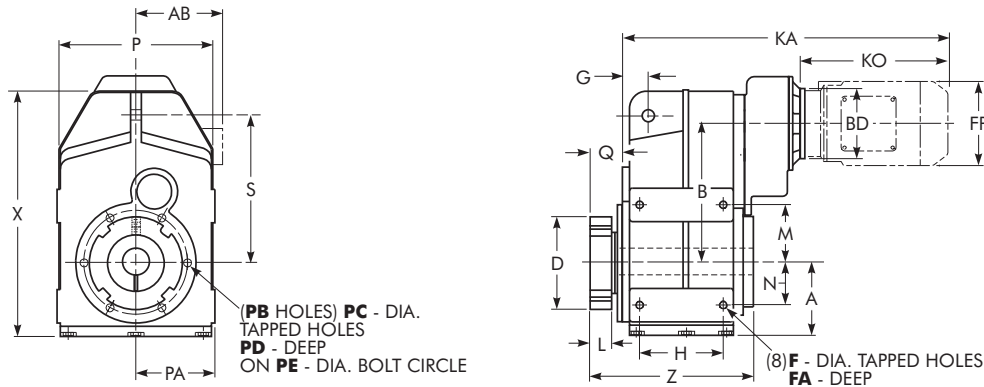
Frame Size	DRIVE SIZE									
	All Sizes				04	06	07	08	09	10
	AB	BD	FP	KO (Max)	KA (Max)	KA (Max)	KA (Max)	KA (Max)	KA (Max)	KA (Max)
56C	5.25	6.50	7.19	12.00	19.09	20.55	22.08	23.77	...	...
143TC/145TC	5.25	6.50	7.19	12.06	19.15	20.61	22.14	23.83	...	...
182TC/184TC	5.88	9.00	8.50	15.44	22.96	25.50	26.32	27.21	29.62	31.28
213TC/215TC	7.38	9.00	10.19	16.31	...	26.37	27.20	28.08	30.49	32.15
254TC/256TC	8.94	9.13	12.50	19.63	...	...	30.52	31.40	35.18	36.65
284TC/286TC	13.13	11.19	15.56	23.19	...	...	...	...	38.86	40.33
324TC/326TC	14.13	13.38	16.94	25.25	...	...	...	...	41.55	43.02

★ Refer to Page 6 for General Information and Reference Notes.

Type UJ Triple Reduction Gearmotor

Sizes 04-07 — Dimensions — Inches

BASIC DRIVE WITH TA TAPER BUSHING



SIZE ★	A	B	D	F	FA	G	H
04	3.35	6.14	3.31	M10 x 1.50	0.67	1.26	3.54
06	4.33	8.15	4.06	M12 x 1.75	0.79	1.53	4.92
07	5.28	10.24	4.31	M16 x 2.00	0.98	1.89	5.91

SIZE ★	L	M	N	P	PA	PB	PC	PD	PE	Q	S	X	Z
04	1.26	2.38	1.97	6.54	3.46	4	M8 x 1.25	0.55	5.12	2.17	6.69	12.25	8.27
06	1.46	3.35	2.56	8.90	4.65	6	M12 x 1.75	0.79	5.91	1.97	8.58	15.24	10.18
07	1.46	4.52	3.35	10.47	5.51	6	M12 x 1.75	0.79	5.91	1.97	10.94	19.06	11.82

Typical NEMA Motor Dimensions ★

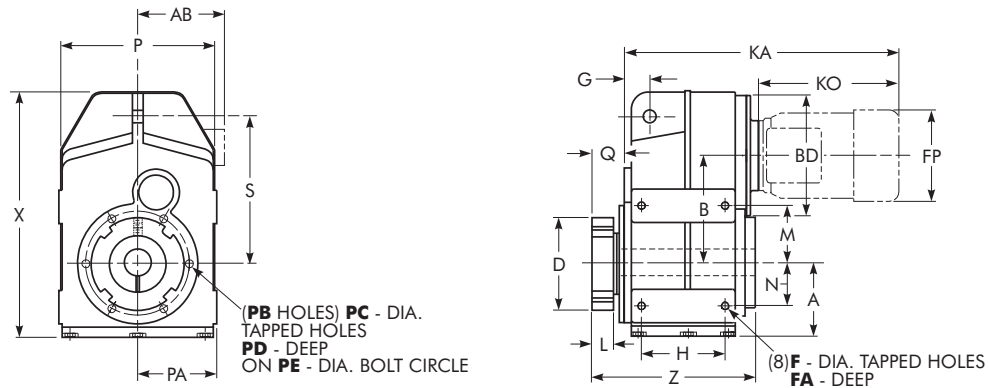
Frame Size	DRIVE SIZE						
	All Sizes				04	06	07
	AB	BD	FP	KO (Max)	KA (Max)	KA (Max)	KA (Max)
56C	5.25	6.50	7.19	12.00	21.30	23.62	25.32
143TC/145TC	5.25	6.50	7.19	12.06	21.36	23.68	25.35
182TC/184TC	5.88	9.00	8.50	15.44	...	27.49	30.26
213TC/215TC	7.38	9.00	10.19	16.31	...	...	34.48

★ Refer to Page 6 for General Information and Reference Notes.

Type UJ Triple Reduction Gearmotor

Sizes 08-10 — Dimensions — Inches

BASIC DRIVE WITH TA TAPER BUSHING



SIZE ★	A	B	D	F	FA	G	H
08	5.83	8.90	4.81	M16 x 2.00	0.94	2.32	6.69
09	6.89	10.79	5.68	M16 x 2.00	0.94	2.56	8.46
10	8.50	13.07	6.06	M20 x 2.00	1.06	3.46	9.84

SIZE ★	L	M	N	P	PA	PB	PC	PD	PE	Q	S	X	Z
08	1.46	3.94	3.94	12.60	6.69	8	M12 x 1.75	0.79	7.68	2.03	13.62	20.71	12.67
09	1.76	8.86	4.92	15.12	7.87	6	M16 x 2.00	1.06	9.06	2.24	15.55	24.09	15.77
10	1.76	10.71	6.22	17.87	9.25	10	M16 x 2.00	1.06	11.02	2.41	19.09	29.45	17.33

Typical NEMA Motor Dimensions ★

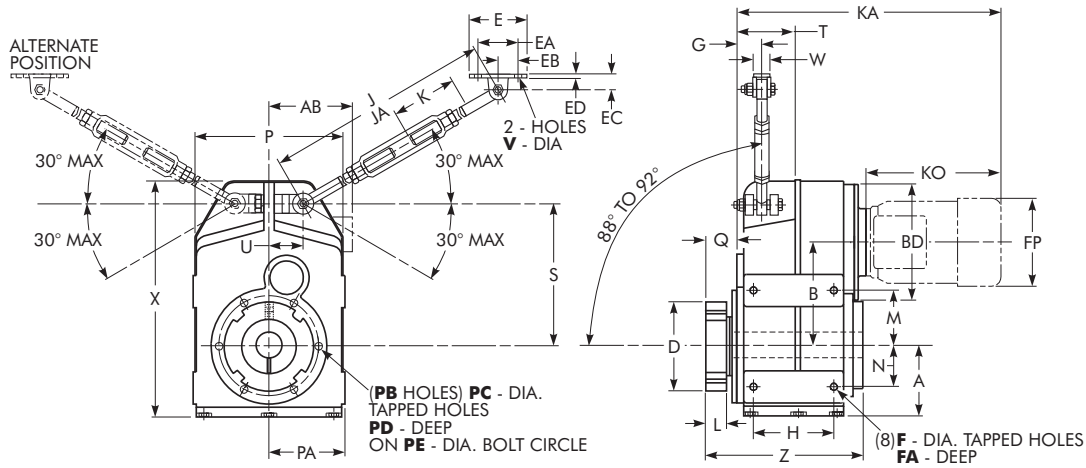
Frame Size	DRIVE SIZE						
	All Sizes				08	09	10
	AB	BD	FP	KO (Max)	KA (Max)	KA (Max)	KA (Max)
56C	5.25	6.50	7.19	12.00	24.32	27.24	...
143TC/145TC	5.25	6.50	7.19	12.06	24.38	27.30	...
182TC/184TC	5.88	9.00	8.50	15.44	28.55	30.68	33.01
213TC/215TC	7.38	9.00	10.19	16.31	29.44	...	33.88
254TC/256TC	8.94	9.13	12.50	19.63	...	...	38.58
284TC/286TC	13.13	11.19	15.56	23.19	...	...	42.25
324TC/326TC	14.13	13.38	16.94	25.25	...	...	44.94

★ Refer to Page 6 for General Information and Reference Notes.

Type UJ Double Reduction Gearmotor

Sizes 04-09 — Dimensions — Inches

SHAFT MOUNTED GEARMOTOR WITH TA TAPER BUSHING AND TORQUE ARM ASSEMBLY



SIZE ★	A	B	D	E	EA	EB	EC	ED	F	FA	G	H	J		JA ‡		K	
													Min	Max	Min	Max	Std	Min ‡
04	3.35	4.72	3.31	3.56	2.50	1.25	1.00	0.25	M10 x 1.50	0.67	1.26	3.54	21.0	27.0	12.5	18.5	8.5	4.12
06	4.33	6.30	4.06	3.56	2.50	1.25	1.00	0.25	M12 x 1.75	0.79	1.53	4.92	21.0	27.0	12.5	18.5	8.5	4.12
07	5.28	7.87	4.31	4.25	3.00	1.50	1.13	0.25	M16 x 2.00	0.98	1.89	5.91	24.0	30.0	15.0	21.0	9.0	4.38
08	5.83	8.90	4.81	4.25	3.00	1.50	1.13	0.25	M16 x 2.00	0.94	2.32	6.69	24.0	30.0	15.0	21.0	9.0	4.38
09	6.59	10.79	5.68	5.00	3.62	1.81	1.31	0.25	M16 x 2.00	0.94	2.56	8.46	27.0	33.0	15.5	21.5	10.5	4.62

‡ Each rod end may be cut off to minimum K length.
JA is total length with cut off rod ends.

SIZE ★	L	M	N	P	PA	PB	PC	PD	PE	Q	S	T	U	V	W	X	Z
04	1.26	2.38	1.97	6.54	3.46	4	M8 x 1.25	0.55	5.12	2.17	6.69	2.67	1.75	0.406	1.06	11.10	8.27
06	1.46	3.35	2.56	8.90	4.65	6	M12 x 1.75	0.79	5.91	1.91	8.58	3.57	1.83	0.406	1.06	14.45	10.18
07	1.46	4.53	3.35	10.47	5.51	6	M12 x 1.75	0.79	5.91	1.97	10.94	4.16	2.53	0.531	1.23	17.68	11.82
08	1.46	3.94	3.94	12.60	6.69	8	M12 x 1.75	0.79	7.68	2.03	13.62	4.61	2.65	0.531	1.23	20.71	12.67
09	1.76	8.86	4.92	15.12	7.87	6	M16 x 2.00	1.06	9.06	2.24	15.55	5.71	2.73	0.656	1.37	24.09	15.77

Typical NEMA Motor Dimensions ★

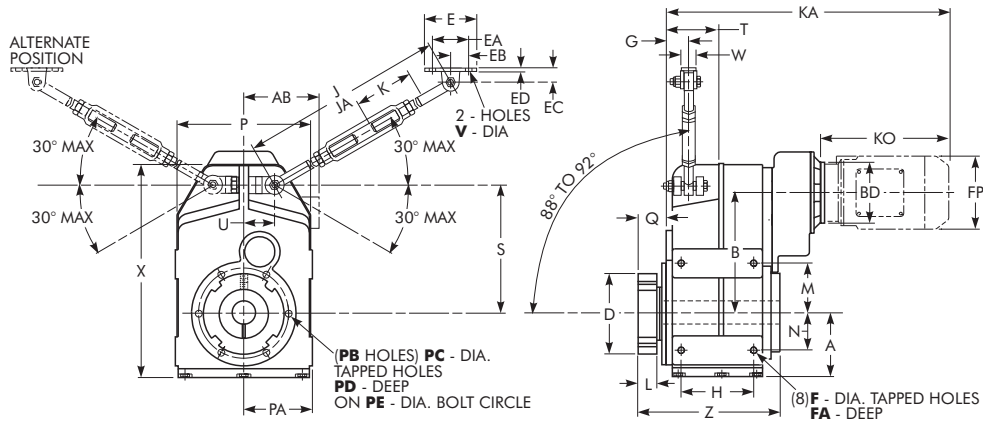
Frame Size	DRIVE SIZE								
	All Sizes				04	06	07	08	09
	AB	BD	FP	KO (Max)	KA (Max)	KA (Max)	KA (Max)	KA (Max)	KA (Max)
56C	5.25	6.50	7.19	12.00	19.09	20.55	22.08	23.77	...
143TC/145TC	5.25	6.50	7.19	12.06	19.15	20.61	22.14	23.83	...
182TC/184TC	5.88	9.00	8.50	15.44	22.96	25.50	26.32	27.21	29.62
213TC/215TC	7.38	9.00	10.19	16.31	...	26.37	27.20	28.08	30.49
254TC/256TC	8.94	9.13	12.50	19.63	...	...	30.52	31.40	35.18
284TC/286TC	13.13	11.19	15.56	23.19	...	...	...	...	38.86
324TC/326TC	14.13	13.38	16.94	25.25	...	...	...	...	41.55

★ Refer to Page 6 for General Information and Reference Notes.

Type UJ Triple Reduction Gearmotor

Sizes 04-07 — Dimensions — Inches

SHAFT MOUNTED GEARMOTOR WITH TA TAPER BUSHING AND TORQUE ARM ASSEMBLY



SIZE ★	A	B	D	E	EA	EB	EC	ED	F	FA	G	H	J		JA †		K	
													Min	Max	Min	Max	Std	Min ‡
04	3.35	6.14	3.31	3.56	2.50	1.25	1.00	0.25	M10 x 1.50	0.67	1.26	3.54	21.0	27.0	12.5	18.5	8.5	4.12
06	4.33	8.15	4.06	3.56	2.50	1.25	1.00	0.25	M12 x 1.75	0.79	1.53	4.92	21.0	27.0	12.5	18.5	8.5	4.12
07	5.28	10.24	4.31	4.25	3.00	1.50	1.13	0.25	M16 x 2.00	0.98	1.89	5.91	24.0	30.0	15.0	21.0	9.0	4.38

† Each rod end may be cut off to minimum K length.
JA is total length with cut off rod ends.

SIZE ★	L	M	N	P	PA	PB	PC	PD	PE	Q	S	T	U	V	W	X	Z
04	1.26	2.38	1.97	6.54	3.46	4	M8 x 1.25	0.55	5.12	2.17	6.69	2.67	1.75	0.406	1.06	12.25	8.27
06	1.46	3.35	2.56	8.90	4.65	6	M12 x 1.75	0.79	5.91	1.97	8.58	3.57	1.83	0.406	1.06	15.24	10.18
07	1.46	4.52	3.35	10.47	5.51	6	M12 x 1.75	0.79	5.91	1.97	10.94	4.16	2.53	0.531	1.23	19.06	11.82

Typical NEMA Motor Dimensions ★

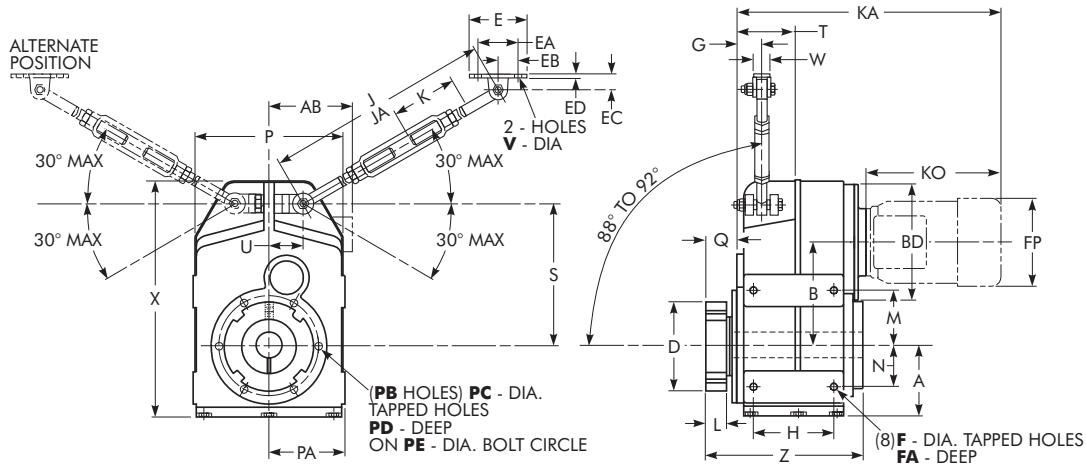
Frame Size	DRIVE SIZE						
	All Sizes				04	06	07
	AB	BD	FP	KO (Max)	KA (Max)	KA (Max)	KA (Max)
56C	5.25	6.50	7.19	12.00	21.30	23.62	25.32
143TC/145TC	5.25	6.50	7.19	12.06	21.36	23.68	25.35
182TC/184TC	5.88	9.00	8.50	15.44	...	27.49	30.26
213TC/215TC	7.38	9.00	10.19	16.31	...	...	34.48

★ Refer to Page 6 for General Information and Reference Notes.

Type UJ Triple Reduction Gearmotor

Sizes 08-09 — Dimensions — Inches

SHAFT MOUNTED GEARMOTOR WITH TA TAPER BUSHING AND TORQUE ARM ASSEMBLY



SIZE ★	A	B	D	E	EA	EB	EC	ED	F	FA	G	H	J		JA ‡		K	
													Min	Max	Min	Max	Std	Min ‡
08	5.83	8.90	4.81	4.25	3.00	1.50	1.13	0.25	M16 x 2.00	0.94	2.32	6.69	24.0	30.0	15.0	21.0	9.0	4.38
09	6.89	10.79	5.68	5.00	3.62	1.81	1.31	0.25	M16 x 2.00	0.94	2.56	8.46	27.0	33.0	15.5	21.5	10.5	4.62

‡ Each rod end may be cut off to minimum K length.
JA is total length with cut off rod ends.

SIZE ★	L	M	N	P	PA	PB	PC	PD	PE	Q	S	T	U	V	W	X	Z
08	1.46	3.94	3.94	12.60	6.69	8	M12 x 1.75	0.79	7.68	2.03	13.62	4.61	2.65	0.531	1.23	20.71	12.67
09	1.76	8.86	4.92	15.12	7.87	6	M16 x 2.00	1.06	9.06	2.24	15.55	5.91	2.73	0.656	1.37	24.09	15.77

Typical NEMA Motor Dimensions ★

Frame Size	DRIVE SIZE					
	All Sizes				08	09
	AB	BD	FP	KO (Max)	KA (Max)	KA (Max)
56C	5.25	6.50	7.19	12.00	24.32	27.24
143TC/145TC	5.25	6.50	7.19	12.06	24.38	27.30
182TC/184TC	5.88	9.00	8.50	15.44	28.55	30.68
213TC/215TC	7.38	9.00	10.19	16.31	29.44	...
254TC/256TC	8.94	9.13	12.50	19.63	...	...
284TC/286TC	13.13	11.19	15.56	23.19	...	...
324TC/326TC	14.13	13.38	16.94	25.25

★ Refer to Page 6 for General Information and Reference Notes.

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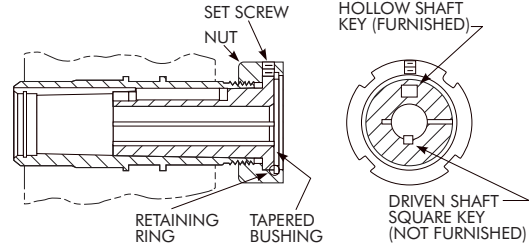
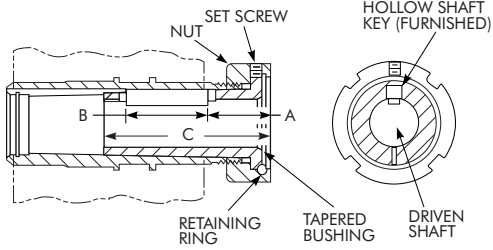
Type UJ Shaft Mounted Gearmotor and Gear Drive

Sizes 04-10 — Dimensions — Inches

TA TAPER BUSHING

Style No. 1 — Thin-wall bushing

Style No. 2 — Thick wall bushing



DRIVE SIZE	A	B	C Minimum Shaft Engagement	Bushing Size	Part Number ‡	Style No.	Driven Shaft Keyway Min Key Length ●	Wt Lb
04UJ	1.89	2.50	5.00	BU4107J/04UJ-1.000	0769061	2	1/4 x 1/8 x 2 1/2	2.1
				BU4107J/04UJ-1.125	0769062	2	1/4 x 1/8 x 2 1/4	1.8
				BU4107J/04UJ-1.188	0769063	2	1/4 x 1/8 x 2	1.6
				BU4107J/04UJ-1.250	0769064	1	1/4 x 1/8 x 2 1/2	1.5
				BU4107J/04UJ-1.375	6720659	1	3/8 x 3/16 x 2 1/2	1.0
				BU4107J/04UJ-1.438	0769065	1	3/8 x 3/16 x 2 1/2	1.0
06UJ	2.10	2.75	5.55	BU4115J/06UJ-1.188	0769077	2	1/4 x 1/8 x 4 1/4	4.3
				BU4115J/06UJ-1.250	0769078	2	1/4 x 1/8 x 4	4.1
				BU4115J/06UJ-1.438	0769079	2	3/8 x 3/16 x 2 1/4	3.5
				BU4115J/06UJ-1.500	0769080	2	3/8 x 3/16 x 2 1/4	3.3
				BU4115J/06UJ-1.625	0769081	1	3/8 x 3/16 x 2 3/4	2.9
				BU4115J/06UJ-1.688	0769082	1	3/8 x 3/16 x 2 3/4	2.7
				BU4115J/06UJ-1.750	0769083	1	3/8 x 3/16 x 2 3/4	2.4
				BU4115J/06UJ-1.938	0769084	1	1/2 x 1/4 x 2 3/4	1.7
07UJ	1.56	3.25	5.53	BU4203J/07UJ-1.438	0769117	2	3/8 x 3/16 x 3 1/4	5.0
				BU4203J/07UJ-1.500	0769118	2	3/8 x 3/16 x 3 1/4	5.1
				BU4203J/07UJ-1.625	0769119	2	3/8 x 3/16 x 3	4.6
				BU4203J/07UJ-1.688	0769120	2	3/8 x 3/16 x 2 3/4	4.4
				BU4203J/07UJ-1.750	0769121	2	3/8 x 3/16 x 2 3/4	4.4
				BU4203J/07UJ-1.875	0769122	1	1/2 x 1/4 x 3 1/4	3.6
				BU4203J/07UJ-1.938	0769123	1	1/2 x 1/4 x 3 1/4	3.3
				BU4203J/07UJ-2.000	0769124	1	1/2 x 1/4 x 3 1/4	3.0
				BU4203J/07UJ-2.188	0769125	1	1/2 x 1/4 x 3 1/4	3.0
				08UJ	1.24	4.25	6.11	BU4207J/08UJ-1.375	0769095	2	3/16 x 5/32 x 5 3/4	7.6
BU4207J/08UJ-1.438	0769096	2	3/8 x 3/16 x 5 3/4					7.3
BU4207J/08UJ-1.500	0769097	2	3/8 x 3/16 x 5 3/4					7.1
BU4207J/08UJ-1.625	0765848	2	3/8 x 3/16 x 5 3/4					6.7
BU4207J/08UJ-1.688	0769098	2	3/8 x 3/16 x 5 1/4					6.4
BU4207J/08UJ-1.750	0769099	2	3/8 x 3/16 x 5 1/4					6.1
BU4207J/08UJ-1.875	0769100	2	1/2 x 1/4 x 3 1/2					5.6
BU4207J/08UJ-1.938	0769101	1	1/2 x 1/4 x 4 1/4					5.3
BU4207J/08UJ-2.000	0769102	1	1/2 x 1/4 x 4 1/4					5.0
BU4207J/08UJ-2.188	0769103	1	1/2 x 1/4 x 4 1/4					4.4
BU4207J/08UJ-2.250	0769104	1	1/2 x 1/4 x 4 1/4					3.7
BU4207J/08UJ-2.375	2113886	1	5/8 x 5/16 x 4 1/4					3.0
BU4207J/08UJ-2.438	0769105	1	5/8 x 5/16 x 4 1/4	2.6				
09UJ	2.09	3.50	7.08	BU4215J/09UJ-1.938	0769137	2	1/2 x 1/4 x 5	11.4
				BU4215J/09UJ-2.000	0769138	2	1/2 x 1/4 x 4 3/4	11.1
				BU4215J/09UJ-2.188	0769139	2	1/2 x 1/4 x 4 1/2	9.9
				BU4215J/09UJ-2.250	0769140	2	1/2 x 1/4 x 4 1/4	9.5
				BU4215J/09UJ-2.438	0769141	1	5/8 x 5/16 x 3 1/2	8.3
				BU4215J/09UJ-2.500	0769142	1	5/8 x 5/16 x 3 1/2	7.8
				BU4215J/09UJ-2.688	0769143	1	5/8 x 5/16 x 3 1/2	6.5
				BU4215J/09UJ-2.750	2116065	1	5/8 x 5/16 x 3 1/2	5.5
				BU4215J/09UJ-2.938	0769144	1	3/4 x 3/8 x 3 1/2	4.5
10UJ	1.59	5.00	7.39	BU4307/10UJ-2.000	0769155	2	1/2 x 1/4 x 7	17.8
				BU4307/10UJ-2.188	0769156	2	1/2 x 1/4 x 7	16.6
				BU4307/10UJ-2.250	0769157	2	1/2 x 1/4 x 7	16.2
				BU4307/10UJ-2.438	0769158	2	5/8 x 5/16 x 5 1/2	14.9
				BU4307/10UJ-2.500	0769159	2	5/8 x 5/16 x 5	14.4
				BU4307/10UJ-2.688	0769160	1	5/8 x 5/16 x 5	13.0
				BU4307/10UJ-2.938	0769161	1	3/4 x 3/8 x 5	10.9
				BU4307/10UJ-3.000	0769162	1	3/4 x 3/8 x 5	10.3
				BU4307/10UJ-3.188	0769163	1	3/4 x 3/8 x 5	8.6
				BU4307/10UJ-3.438	0769164	1	7/8 x 7/16 x 5	6.1

‡ Consists of bushing, drive key, nut, retaining ring and setscrew.

● Check strength of driven shaft and unfurnished key.

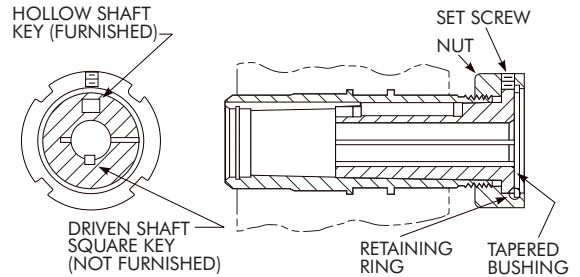
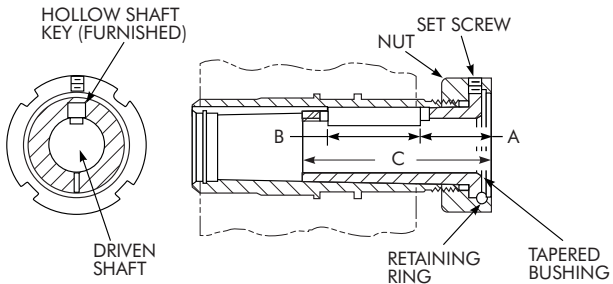
Type UJ Shaft Mounted Gearmotor and Gear Drive

Sizes 04-10 — Dimensions — Millimeters

TA TAPER BUSHING

Style No. 1 — Thin-wall bushing

Style No. 2 — Thick wall bushing



DRIVE SIZE	A	B	C Minimum Shaft Engagement	Bushing Size	Part Number ‡	Style No.	Driven Shaft Keyway Min Key Length •	Wt kg
04UJ	48	64	127	BU4107J/04UJ-25	0775900	2	8 x 4 x 70	1,0
				BU4107J/04UJ-30	0775901	2	8 x 4 x 56	0,8
				BU4107J/04UJ-32	0775902	1	10 x 5 x 74	0,7
				BU4107J/04UJ-35	0775768	1	10 x 5 x 74	0,6
06UJ	53	70	141	BU4115J/06UJ-30	0775903	2	8 x 4 x 110	2,0
				BU4115J/06UJ-32	0775904	2	10 x 5 x 110	2,0
				BU4115J/06UJ-35	0775905	2	10 x 5 x 100	1,7
				BU4115J/06UJ-38	0775906	2	10 x 5 x 90	1,5
				BU4115J/06UJ-40	0775907	1	12 x 5 x 82	1,5
				BU4115J/06UJ-42	0775908	1	12 x 5 x 82	1,3
				BU4115J/06UJ-45	0775909	1	14 x 5,5 x 84	1,0
07UJ	40	83	141	BU4203J/07UJ-35	0775910	2	10 x 5 x 140	2,4
				BU4203J/07UJ-38	0775911	2	10 x 5 x 125	2,2
				BU4203J/07UJ-40	0775912	2	12 x 5 x 125	2,0
				BU4203J/07UJ-42	0775913	2	12 x 5 x 125	1,9
				BU4203J/07UJ-45	0775914	2	14 x 5,5 x 100	1,4
				BU4203J/07UJ-50	0775432	1	14 x 5,5 x 97	1,4
				BU4203J/07UJ-55	0775915	1	16 x 6 x 99	1,0
08UJ	32	108	155	BU4207J/08UJ-40	0775916	2	12 x 5 x 160	3,0
				BU4207J/08UJ-42	0775917	2	12 x 5 x 160	3,0
				BU4207J/08UJ-45	0775918	2	14 x 5,5 x 160	2,8
				BU4207J/08UJ-50	0775919	1	14 x 5,5 x 122	2,4
				BU4207J/08UJ-55	0775920	1	16 x 6 x 124	2,0
				BU4207J/08UJ-60	0775921	1	18 x 7 x 126	1,4
09UJ	53	89	180	BU4215J/09UJ-50	0775922	2	14 x 5,5 x 180	5,0
				BU4215J/09UJ-55	0775923	2	16 x 6 x 180	4,6
				BU4215J/09UJ-60	0775924	2	18 x 7 x 180	4,6
				BU4215J/09UJ-65	0775925	1	18 x 7 x 107	3,4
				BU4215J/09UJ-70	0775926	1	20 x 7,5 x 109	2,7
				BU4215J/09UJ-75	6720645	1	20 x 7,5 x 107	2,7
10UJ	40	127	188	BU4307J/10UJ-60	0775927	2	18 x 7,0 x 180	7,0
				BU4307J/10UJ-65	0775928	2	18 x 7,0 x 180	6,4
				BU4307J/10UJ-70	0775779	1	20 x 7,7 x 147	5,7
				BU4307J/10UJ-75	0775929	1	20 x 7,7 x 147	5,0
				BU4307J/10UJ-80	0775433	1	22 x 9,0 x 149	5,0
				BU4307J/10UJ-85	0775930	1	22 x 9,0 x 149	3,3

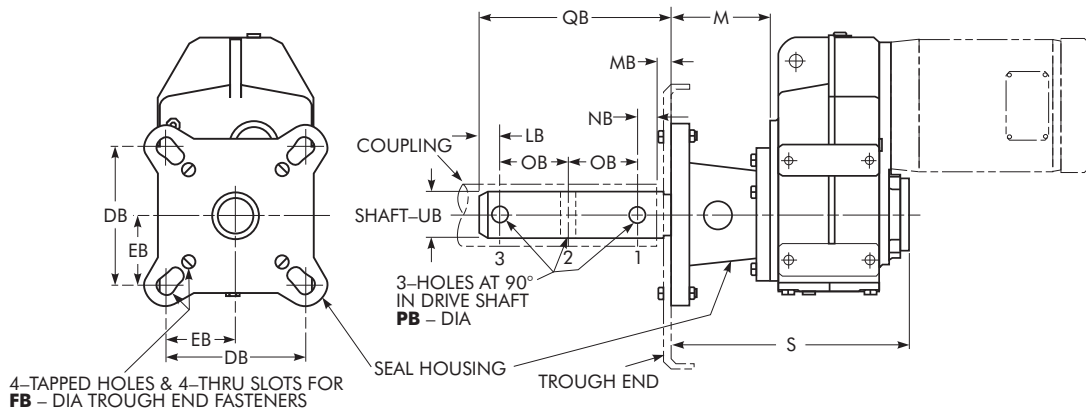
‡ Consists of bushing, drive key, nut, retaining ring and setscrew.

• Check strength of driven shaft and unfurnished key.

Type UJ Screw Conveyor Gearmotor and Gear Drive

Sizes 04-09 — Dimensions — Inches

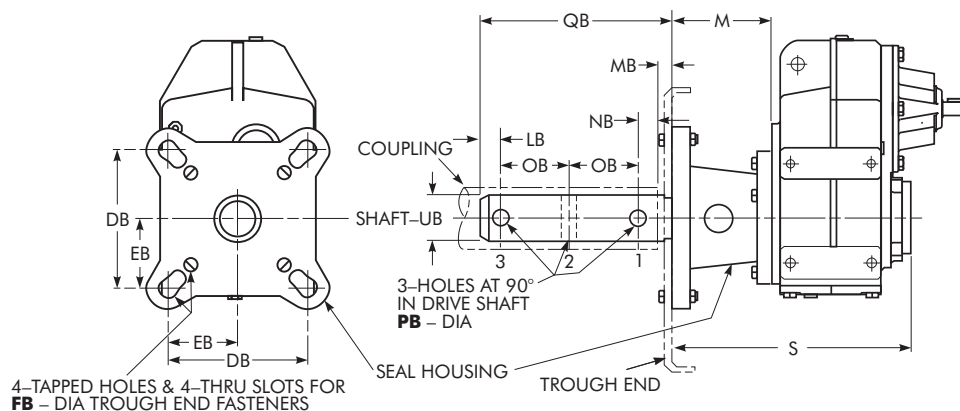
SCREW CONVEYOR GEARMOTOR WITH SEAL HOUSING AND DRIVE SHAFT



All other drive dimensions may be obtained from the standard drive dimension pages.

Consult standard drive selection tables for horsepower and torque ratings.

SCREW CONVEYOR GEAR DRIVE WITH SEAL HOUSING AND DRIVE SHAFT



Type UJ Screw Conveyor Gearmotor and Gear Drive

Sizes 04-09 — Dimensions — Inches

SCREW CONVEYOR COMPONENTS

BASIC DRIVE SIZE ★	Screw Conveyor Components											M	S	DB	EB	FB ▲	LB	MB	NB	OB	PB	QB	UB †
	Cplg Dia	Screw Dia	Max Tq lb-in ‡	Drive Shaft w/Thrust Plate	Part No.	Trough Spacer	Wt lb	Seal Housing	Part No.	Wt lb													
04	1.500	6, 9	3,540	DS4107J/04UJ-1.500	6720046	...	8	SH04UJ	4761820	15	4.31 ●	10.37 ■	4.000	2.000	.500	.875	1.250	.875	3.000	.531	9.000	1.500	
	2.000	9, 12	3,540	DS4107J/04UJ-2.000	6720047	...	10	SH04UJ	4761820	15	4.31 ●	10.37 ■	5.125	2.562	.625	.875	1.250	.875	3.000	.656	9.000	2.000	
	2.437	12, 14	3,540	DS4107J/04UJ-2.437	6720048	0752578	14	SH04UJ	4761820	15	4.31 ●	10.37 ■	5.625	2.812	.625	.938	1.812	.938	3.000	.656	9.688	2.437	
	3.000	12-20	3,540	DS4107J/04UJ-3.000	6720049	0752578	18	SH04UJ	4761820	15	4.31 ●	10.37 ■	6.000	3.000	.750	1.000	1.875	1.000	3.000	.781	9.875	3.000	
06	1.500	6, 9	5,190	DS4115J/06UJ-1.500 *	6720050	...	14	SH06UJ	4761821	14	3.87	12.13	4.000	2.000	.500	3.875	1.250	.875	3.000	.531	9.000 *	1.500	
	2.000	9, 12	6,800	DS4115J/06UJ-2.000	6720051	...	14	SH06UJ	4761821	14	3.87	12.13	5.125	2.562	.625	.875	1.250	.875	3.000	.656	9.000	2.000	
	2.437	12, 14	7,960	DS4115J/06UJ-2.437	6720052	...	18	SH06UJ	4761821	14	3.87	12.13	5.625	2.812	.625	.938	1.812	.938	3.000	.656	9.688	2.437	
	3.000	12-20	7,960	DS4115J/06UJ-3.000	6720053	...	23	SH06UJ	4761821	14	3.87	12.13	6.000	3.000	.750	1.000	1.875	1.000	3.000	.781	9.875	3.000	
07	1.500	6, 9	5,190	DS4203J/07UJ-1.500 *	6720016	...	16	SH07UJ	4761822	15	3.87	13.72	4.000	2.000	.500	3.875	1.250	.875	3.000	.531	9.000 *	1.500	
	2.000	9, 12	10,200	DS4203J/07UJ-2.000 *	6720017	...	20	SH07UJ	4761822	15	3.87	13.72	5.125	2.562	.625	3.875	1.250	.875	3.000	.656	9.000 *	2.000	
	2.437	12, 14	13,150	DS4203J/07UJ-2.437 *	6720018	...	21	SH07UJ	4761822	15	3.87	13.72	5.625	2.812	.625	.938	1.812	.938	3.000	.656	9.688	2.437	
	3.000	12-20	15,220	DS4203J/07UJ-3.000	6720019	...	26	SH07UJ	4761822	15	3.87	13.72	6.000	3.000	.750	1.000	1.875	1.000	3.000	.781	9.875	3.000	
08	1.500	6, 9	5,190	DS4207J/08UJ-1.500 *	6720020	...	20	SH08UJ	4761823	25	4.04	14.68	5.125 ♣	2.562 ♣	.500	3.875	1.250	.875	3.000	.531	9.000 *	1.500	
	2.000	9, 12	12,240	DS4207J/08UJ-2.000 *	6720021	...	24	SH08UJ	4761823	25	4.04	14.68	5.125	2.562	.625	3.875	1.250	.875	3.000	.656	9.000 *	2.000	
	2.437	12, 14	13,150	DS4207J/08UJ-2.437 *	6720022	...	29	SH08UJ	4761823	25	4.04	14.68	5.625	2.812	.625	.938	1.812	.938	3.000	.656	9.688 *	2.437	
	3.000	12-20	24,775	DS4207J/08UJ-3.000	6720023	...	30	SH08UJ	4761823	25	4.04	14.68	6.000	3.000	.750	1.000	1.875	1.000	3.000	.781	9.875	3.000	
3.437	18-24	25,660	DS4207J/08UJ-3.437	6720024	...	34	SH08UJ	4761823	25	4.04	14.68	6.000 ♣	3.000 ♣	.750	1.250	2.375	1.500	4.000	.906	12.125	3.437		
09	2.000	9, 12	12,240	DS4215J/09UJ-2.000 *	6720025	...	34	SH09UJ	4761824	23	4.17	17.70	5.125	2.562	.625	3.875	1.250	.875	3.000	.656	9.000 *	2.000	
	2.437	12, 14	18,190	DS4215J/09UJ-2.437 *	6720026	...	39	SH09UJ	4761824	23	4.17	17.70	5.625	2.812	.625	3.938	1.812	.938	3.000	.656	9.688 *	2.437	
	3.000	12-20	24,775	DS4215J/09UJ-3.000 *	6720027	...	46	SH09UJ	4761824	23	4.17	17.70	6.000	3.000	.750	4.000	1.875	1.000	3.000	.781	9.875 *	3.000	
	3.437	18-24	37,120	DS4215J/09UJ-3.437	6720028	...	50	SH09UJ	4761824	23	4.17	17.70	6.750	3.375	.750	1.250	2.375	1.500	4.000	.906	12.125	3.437	
10	2.437	12, 14	18, 200	DS4307J/10UJ-2.437	6720029	...	49	SH10UJ	0438606	62	5.00	19.51	5.625	2.812	.625	3.938	1.812	.938	3.000	.656	9.688	2.437	
	3.000	12, 20	34, 300	DS4307J/10UJ-3.000	6720030	...	56	SH10UJ	0438606	62	5.00	19.51	6.000	3.000	.750	4.000	1.875	1.000	3.000	.781	9.875	3.000	
	3.437	18, 24	51, 400	DS4307J/10UJ-3.437	6720031	...	70	SH10UJ	0438606	62	5.00	19.51	6.750	3.375	.750	5.250	2.375	1.500	4.000	.906	13.125	3.437	

- ★ Dimensions are for reference only and are subject to change without notice unless certified.
- ▲ Hexagon head screws with UNC thread are furnished by Rexnord for mounting the gear drive to the trough end.
- † Shaft diameters under 3" are held to limits of +.000", -.002". Shaft diameters 3" and over are held to limits of +.000", -.003".
- ♣ Check drive shaft torque & bending capacity and coupling bolt shear & bearing stresses against load to be transmitted.
- ♠ Non-CEMA standard dimension.
- M = 4.57" for coupling diameter > 2.00".
- S = 10.63 for coupling diameter > 2.00".
- ‡ Check torque & bending capacity of driven shaft and coupling bolt shear against load. Mechanical properties of stainless steel differ from those of carbon steel.
- § Furnished with thrust plate kit and stainless steel trough end-to-seal housing fasteners.

316 STAINLESS STEEL DRIVE SHAFTS §

DRIVE SIZE	Cplg Dia	Screw Dia	Max Tq lb-in ‡	Drive Shaft	Part No.	DRIVE SIZE	Cplg Dia	Screw Dia	Max Tq lb-in ‡	Drive Shaft	Part No.
04	1.500	6, 9	2,675	DSS4107J/04UJ-1.500	6720054	08	1.500	9	5,200	DSS4207J/08UJ-1.500	6720066
	2.000	9, 12	3,540	DSS4107J/04UJ-2.000	6720055		2.000	9, 12	6,570	DSS4207J/08UJ-2.000	6720067
	2.438	12, 14	3,540	DSS4107J/04UJ-2.438	6720056		2.438	12, 14	12,715	DSS4207J/08UJ-2.438	6720068
	3.000	12-20	3,540	DSS4107J/04UJ-3.000	6720057		3.000	12-20	23,950	DSS4207J/08UJ-3.000	6720069
06	1.500	6, 9	2,675	DSS4115J/06UJ-1.500	6720058	09	3.438	18-24	22,4000	DSS4207J/08UJ-3.438	6720070
	2.000	9, 12	6,570	DSS4115J/06UJ-2.000	6720059		2.000	9, 12	6,570	DSS4215J/09UJ-2.000	6720071
	2.438	12, 14	7,960	DSS4115J/06UJ-2.438	6720060		2.438	12, 14	12,715	DSS4215J/09UJ-2.438	6720072
	3.000	12-20	7,960	DSS4115J/06UJ-3.000	6720061		3.000	12-20	23,950	DSS4215J/09UJ-3.000	6720073
07	1.500	6, 9	2,675	DSS4203J/07UJ-1.500	6720062	10	3.438	18-24	35,890	DSS4215J/09UJ-3.438	6720074
	2.000	9, 12	6,570	DSS4203J/07UJ-2.000	6720063		2.438	12, 14	18,200	DSS4307J/10UJ-2.438	6720075
	2.438	12, 14	12,715	DSS4203J/07UJ-2.438	6720064		3.000	12-20	34,300	DSS4307J/10UJ-3.000	6720076
	3.000	12-20	15,220	DSS4203J/07UJ-3.000	6720065		3.438	18-24	51,400	DSS4307J/10UJ-3.438	6720077

TROUGH END SEALS

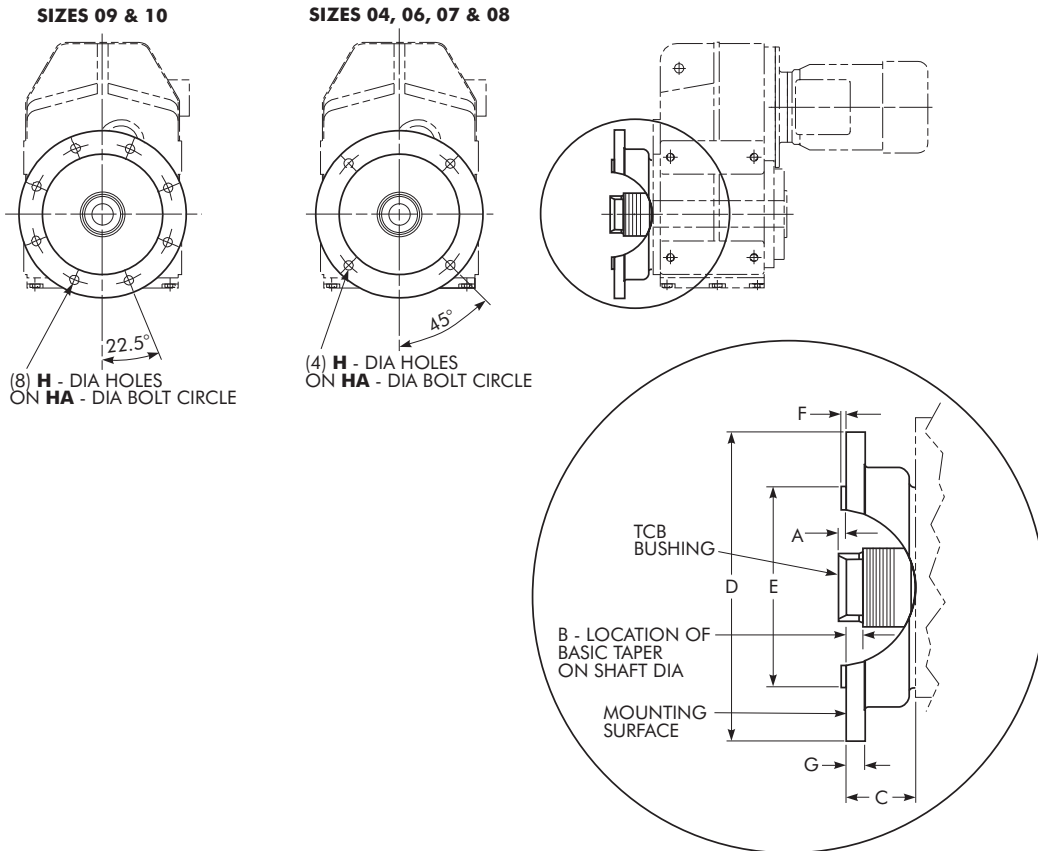
Sealing Options

DRIVE SIZE	Waste Packing Part Number	Nitrile Seal Part Number	Viton® Seal Part Number
04	0925058	2905318	2920370
06	0925058	0912859	2920371
07	0925058	2920372	2920373
08	0925058	2917915	2918032
09	0925058	2911957	2920374
10	0925058	0912741	...

Type UJ Shaft Mounted Gearmotor

Sizes 04-10 — Dimensions — Inches

BASIC DRIVE WITH TCB BUSHING AND FLANGE MOUNTED



DRIVE SIZE ★	A ‡ Range	B	C	D	E	F	G	H	HA
04	-.397/-186	0.44	1.772	7.87	5.12	1.375/1.586	0.47	0.43	6.50
06	-.088/+138	0.61	1.636	9.84	7.09	1.548/1.774	0.47	0.55	8.46
07	+.018/+.265	0.64	1.636	9.84	7.09	1.654/1.901	0.47	0.55	8.46
08	-.393/-105	0.92	1.970	13.78	9.84	1.577/1.865	0.71	0.71	11.81
09	-.432/-145	1.11	2.207	17.72	13.78	1.775/2.062	0.79	0.71	15.75
10	-1.358/-1.066	1.42	2.581	17.72	13.78	1.223/1.515	0.87	0.71	15.75

★ Refer to Page 6 for General Information and Reference Notes.

‡ Negative (-) dimension indicates that the TCB bushing is within the flange register diameter.

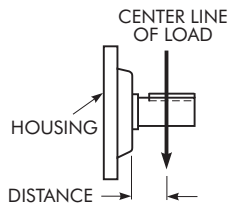
UJ – Overhung Loads

High & Low Speed Shaft

Overhung load is imposed upon a shaft when a pinion, sprocket or sheave is used as a power take-off. The magnitude of the load varies with the type of take-off and its proximity to the shaft bearing. Calculate the load and check the result against the tabulated overhung load rating.

OVERHUNG LOAD FORMULA:

$$\text{Overhung Load} = \frac{126,000 \times \text{hp} \times F_c \times L_f}{\text{Pitch Dia} \times \text{rpm}}$$



F_c = Load Connection Factor.

- Sprocket or Timing Belt 1.00
- Machined Pinion & Gear 1.25
- V-Belt 1.50
- Flat Belt 2.50

L_f = Load Location Factor.

For overhung loads applied at the midpoint of the usable shaft extension, $L_f = 1.00$

Locate the centerline of the load as practical to minimize the overhung load and increase bearing life. The above overhung load formula employs the transmitted horsepower, without Service Factor, providing the overloads, starting loads, and brake capacities do not exceed the amounts listed in Basic Information on Page 5.

Consult Factory for Higher Overhung Load Ratings — In many cases, overhung load capacity in excess of that published is available. Published ratings are based on a combination of the most unfavorable conditions of rotation, speed, direction of applied load, and drive loading. If the actual load should exceed the published capacity, refer full details to Factory; provide complete application information, as well as direction of rotation, location and direction of applied load.

Gearmotor Overhung Load Capacity — The overhung load capacity at the low speed shaft is found in the Selection Tables on Pages 16 through 33.

Gear Drive Overhung Load Capacity — The overhung load capacity at the high speed shaft and low speed shaft are found on Page 48.

Example:

Gear Drive Size = 04UJAK2A40.N₁, exact ratio of 38.72:1.

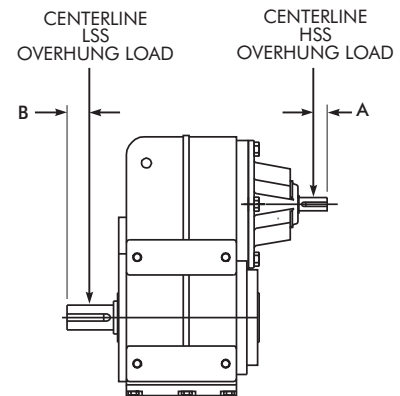
Motor = .50 hp at 1750 rpm.

Low speed shaft rpm = 1750 ÷ 38.72 = 45.2 rpm.

3" diameter sprocket mounted on low speed shaft. Centerline of sprocket overhung load is positioned at B = 1.12 inches. Calculate the overhung load as follows:

$$\text{OHL} = \frac{126,000 \times .50 \times 1.00 \times 1.00}{3 \times 45.2} = 465 \text{ lb}$$

Allowable OHL on Page 48 is 1180 lb and is satisfactory for this selection.



Usable Shaft Extension Midpoint

DRIVE SIZE	No. of Reductions	HSS A (in)	LSS B (in)
04	2-3	0.79	1.12
06	2-3	0.79	1.30
07	2	0.98	1.69
07	3	0.79	1.69
08	2	1.18	2.24
08	3	0.98	2.24
09	2	1.58	2.66
09	3	0.99	2.66
10	2	2.17	3.39
10	3	1.58	3.39

UJ – Gear Drive HSS Overhung Load Ratings/Pounds

Double & Triple Reductions

Consult Factory for higher overhung load ratings

Reduction	Ratio	DRIVE SIZE †					
		04	06	07	08	09	10
Double	5.0	295	243	460	725	620	1000
	7.1	295	243	460	725	620	1030
	9.0	295	243	460	725	620	1030
	14.0	295	195	430	428	620	1030
	22.0	300	245	340	350	450	1030
	36.0	315	330	235	475	450	1030
	56.0	315	360	375	475	800	1070
	80.0	330	385	520	540	800	1100
	100.0	330	385	520	600	890	1100
Triple	63.0	350	327	390	...	...	...
	100.0	355	335	390	560	800	990
	160.0	360	340	390	575	820	1000
	250.0	360	345	395	580	830	1010
	355.0	365	355	410	600	850	1020

† Published ratings are based on a combination of the most unfavorable conditions of loading. For higher ratings, refer full data to Factory.

UJ – Gearmotor & Gear Drive LSS Overhung Load Ratings/Pounds

Double & Triple Reductions

Consult Factory for higher overhung load ratings

Approx L.S. Shaft rpm	DRIVE SIZE					
	04	06	07	08	09	10
800	610	1200	1630	1740	6560	9550
500	615	1200	1630	1740	6700	9780
350	690	1330	1900	1900	7160	10500
200	700	1350	1900	1900	7500	11200
160	750	1410	1900	1900	7790	11200
100	830	1810	2130	2040	7860	11200
63	1150	2010	2460	2690	7860	11200
40	1180	2380	2770	2930	7860	11200
25	1530	3040	3470	3820	7860	11200
2.5 ★	1550	3230	3900	4180	7860	11200

★ The last overhung load value in each Drive Size column applies to all lower output speeds for that drive. Published ratings are based on a combination of the most unfavorable conditions of loading. For higher ratings, refer full data to Factory .

UJ – Gearmotor & Gear Drive LSS Thrust Loads/Pounds

Double & Triple Reductions

Axial Thrust Capacities/Inward or Outward

Thrust capacities tabulated refer to output shafts, and are calculated without any overhung loads being applied. In cases where combined axial thrusts and overhung loads are to be applied, refer to Factory .

Approx L.S. Shaft rpm	DRIVE SIZE					
	04	06	07	08	09	10
800	928	1250	2310	2740	7520	9620
500	962	1250	2310	2740	7520	9620
350	1090	1250	2310	3270	7520	9620
200	1150	1250	2310	3270	7520	9620
160	1290	1250	2310	3270	7520	9620
100	1390	1250	2310	3740	7520	9620
63	1390	1250	2310	4220	7520	9620
40	1390	1250	2310	4220	7520	9620
25	1390	1250	2310	4220	7520	9620
2.5 ★	1390	1250	2310	4220	7520	9620

★ The last thrust capacity in each Drive Size column applies to all lower output speeds for that drive.

UJ – Gearmotor & Gear Drive Moments of Inertia

Double Reduction

WR² (lb-in²) Referred to H.S. Shaft

Ratio	DRIVE SIZE					
	04	06	07	08	09	10
5.0	1.48	6.46	15.07	33.22	93.02	207.06
6.3	1.23	5.47	12.21	28.81	78.34	169.83
7.1	0.89	3.77	8.85	20.17	58.60	124.01
8.0	0.77	3.18	7.43	17.52	50.44	109.73
9.0	0.65	2.69	6.53	15.27	43.58	91.62
10.	0.67	2.79	6.25	15.74	44.28	93.60
11.	0.48	1.95	4.48	11.16	32.84	64.29
12.	0.42	1.66	3.81	9.77	28.52	57.23
14.	0.43	1.76	3.91	10.30	29.89	56.92
16.	0.38	1.51	3.36	9.09	26.16	50.91
18.	0.32	1.16	2.76	6.80	20.62	36.95
20.	0.29	1.00	2.36	5.95	18.24	31.75
22.	0.30	1.08	2.49	6.44	19.39	33.97
25.	0.27	0.94	2.13	5.69	17.30	29.43
28.	0.23	0.74	1.65	4.51	13.73	23.63
32.	0.22	0.71	1.48	4.08	12.55	21.13
36.	0.22	0.71	1.56	4.37	13.26	22.40
40.	0.22	0.68	1.41	3.97	12.17	20.13
45.	0.19	0.56	1.21	3.17	10.20	15.99
50.	0.19	0.54	1.15	3.03	9.66	14.56
56.	0.19	0.55	1.17	3.11	10.01	15.50
63.	0.18	0.53	1.12	2.98	9.50	14.19
71.	0.18	0.49	1.02	2.64	8.49	12.91
80.	0.18	0.47	0.98	2.58	8.28	12.29
90.	0.18	0.48	1.00	2.61	8.40	12.71
100	0.17	0.47	0.96	2.56	8.22	12.12

Values shown in the table above are referred to the drive high speed shaft. The WR² referred to the hollow (low speed) shaft equals the exact total ratio squared times the H.S. shaft WR².

Triple Reduction

WR² (lb-in²) Referred to H.S. Shaft

Ratio	DRIVE SIZE					
	04	06	07	08	09	10
63.	0.20	0.32	0.92	...	...	...
71.	0.19	0.29	0.81	...	...	...
80.	0.20	0.31	0.90	...	...	...
90.	0.19	0.28	0.79	...	...	...
100	0.18	0.23	0.63	2.87	8.00	...
112	0.18	0.22	0.61	2.54	6.98	...
125	0.18	0.23	0.63	2.86	7.96	...
140	0.18	0.22	0.60	2.53	6.96	...
160	0.17	0.19	0.51	1.79	5.00	...
180	0.17	0.19	0.50	1.68	4.53	...
200	0.17	0.19	0.51	1.79	4.99	...
225	0.17	0.19	0.49	1.68	4.52	...
250	0.17	0.18	0.46	1.34	3.50	...
280	0.17	0.18	0.45	1.30	3.32	...
315	0.17	0.18	0.46	1.34	3.49	...
355	0.17	0.17	0.45	1.30	3.32	...

Values shown in the table above are referred to the drive high speed shaft. The WR² referred to the hollow (low speed) shaft equals the exact total ratio squared times the H.S. shaft WR².

UJ – Gear Drive Horsepower & Torque Ratings

2400 High Speed Shaft rpm/Double Reduction

(TORQUE IS IN POUND-INCHES AT LOW SPEED SHAFT)

Ratio Code	Approx L.S. Shaft rpm	HORSEPOWER						TORQUE					
		DRIVE SIZE						DRIVE SIZE					
		04	06	07	08	09	10	04	06	07	08	09	10
5.0	479.04	10.60	25.20	28.60	45.10	115.00	155.00	1380	3230	3720	5780	14900	20100
6.3	380.35	9.74	23.30	28.60	45.10	104.00	141.00	1560	3720	4640	7090	17300	23000
7.1	337.55	9.17	21.90	28.60	45.10	100.00	134.00	1670	3950	5180	8230	17800	24300
8.0	299.63	8.76	20.70	28.60	45.10	94.70	129.00	1760	4200	5820	9160	18900	25400
9.0	266.37	8.20	19.60	28.60	45.10	89.50	121.00	1870	4460	6410	10200	20100	27100
10.	240.00	7.96	19.00	27.70	45.10	84.00	116.00	1980	4790	7020	11200	21600	28700
11.	218.18	7.22	17.40	25.30	43.40	78.60	105.00	2090	5020	7410	12700	22700	30700
12.	200.00	6.76	16.20	23.60	40.70	73.80	100.00	2230	5320	7860	13400	23800	31700
14.	171.43	6.52	15.80	22.90	39.60	69.20	93.70	2340	5690	8360	14200	25800	34500
16.	150.00	6.09	14.80	21.30	37.10	64.80	89.50	2480	6020	8850	15000	27000	35500
18.	133.33	5.68	11.80	20.10	32.90	60.30	81.00	2550	5310	8940	15000	27100	37400
20.	120.00	5.27	11.10	18.50	29.70	54.90	75.10	2680	5820	9450	15700	28100	39200
22.	109.09	5.10	11.80	18.10	30.70	53.50	71.80	2830	6600	10000	17100	30900	41600
25.	96.00	4.72	10.50	16.60	28.10	49.40	66.50	2970	6800	10600	18200	32500	43600
28.	85.71	3.40	9.54	14.80	23.30	41.90	61.90	2490	7050	10800	16900	30400	44300
32.	75.00	3.37	8.96	13.30	20.30	38.10	57.80	2680	7070	11000	16600	30700	46000
36.	66.67	3.40	7.64	13.30	23.10	39.70	54.70	3080	7020	12200	20500	37100	49100
40.	60.00	3.29	7.20	12.30	20.30	36.00	51.00	3240	7060	12700	20300	37300	50900
45.	53.33	2.58	6.13	10.20	15.60	28.80	46.10	2940	7060	11600	18000	32600	52200
50.	48.00	2.06	5.47	9.42	14.00	26.30	42.00	2640	6890	11800	17800	33000	54800
56.	42.86	2.30	4.94	10.00	15.60	25.50	40.60	3240	7070	14200	22100	37300	57700
63.	38.10	2.04	4.51	9.42	14.00	23.10	37.00	3240	7070	14700	21800	37300	60500
71.	33.80	1.34	2.76	4.79	11.20	19.80	31.00	2270	4730	8230	19000	34100	54500
80.	30.00	1.15	1.75	3.54	8.31	16.80	26.30	2220	3360	6750	16200	32400	49600
90.	26.67	1.34	2.76	4.79	11.20	16.90	29.40	2810	5880	10200	23300	37400	65000
100	24.00	1.15	1.75	3.54	8.31	15.00	26.30	2740	4180	8400	19800	37400	62300

Input mechanical hp rating exceeds thermal hp capacity.
 When selecting gear drives by hp method, check required hp (without service factor) against the thermal hp ratings on Page 58.
 When selecting gear drives by torque method, convert required torque (without service factor) to hp and check against the thermal hp ratings on Page 58.

UJ – Gear Drive Horsepower & Torque Ratings

2400 High Speed Shaft rpm/Triple Reduction

(TORQUE IS IN POUND-INCHES AT LOW SPEED SHAFT)

Ratio Code	Approx L.S. Shaft rpm	HORSEPOWER						TORQUE					
		DRIVE SIZE						DRIVE SIZE					
		04	06	07	08	09	10	04	06	07	08	09	10
63.	38.10	2.02	4.36	6.75	...	...	...	3240	6980	10800	...	...	...
71.	33.80	1.77	3.89	6.12	...	...	...	3240	7070	11400	...	...	...
80.	30.00	1.64	3.55	6.75	...	...	...	3240	7070	13400	...	...	...
90.	26.67	1.43	3.13	6.12	...	...	...	3240	7070	14100	...	...	...
100	24.00	1.31	2.70	4.86	9.26	14.90	19.40	3240	7070	12700	23900	38300	50000
112	21.43	1.12	2.49	4.64	8.42	13.40	17.90	3240	7070	13000	24600	38300	51400
125	19.20	1.06	2.18	4.61	7.81	11.30	19.40	3240	7070	15000	24700	37400	62800
140	17.14	0.91	2.00	4.32	6.99	10.20	17.90	3240	7070	15000	25000	37400	64500
160	15.00	0.80	1.73	3.54	5.96	9.50	13.80	3240	7070	14500	24600	38300	56200
180	13.33	0.73	1.54	3.29	5.43	8.60	12.00	3240	7070	14700	24600	38300	56600
200	12.00	0.65	1.39	2.96	4.95	7.22	12.70	3240	7070	15000	25000	37400	65100
225	10.67	0.59	1.24	2.71	4.51	6.53	11.00	3240	7070	15000	25000	37400	65100
250	9.60	0.51	1.17	2.41	4.06	6.26	8.91	3120	7070	14700	24600	38300	56600
280	8.57	0.43	1.03	1.75	3.54	5.58	8.30	3000	7070	12000	24600	38300	56600
315	7.62	0.43	0.94	1.99	3.37	4.75	8.15	3240	7070	15000	25000	37400	65100
355	6.76	0.38	0.83	1.75	2.94	4.24	7.60	3240	7070	14900	25000	37400	65100

UJ – Gear Drive Horsepower & Torque Ratings

1750 High Speed Shaft rpm/Double Reduction

(TORQUE IS IN POUND-INCHES AT LOW SPEED SHAFT)

Ratio Code	Approx L.S. Shaft rpm	HORSEPOWER						TORQUE					
		DRIVE SIZE						DRIVE SIZE					
		04	06	07	08	09	10	04	06	07	08	09	10
5.0	349.30	8.34	20.20	20.80	32.90	92.30	124.00	1490	3550	3730	5800	16400	22100
6.3	277.34	7.80	18.60	20.80	32.90	82.90	113.00	1720	4090	4650	7110	19000	25300
7.1	246.13	7.34	17.50	20.80	32.90	80.00	107.00	1840	4340	5190	8250	19600	26700
8.0	218.48	7.01	16.60	20.80	32.90	75.80	103.00	1940	4620	5840	9180	20800	27900
9.0	194.23	6.57	15.70	20.80	32.90	71.60	96.60	2060	4910	6420	10200	22100	29800
10.	175.00	6.37	15.20	20.80	32.90	67.30	92.50	2170	5260	7270	11200	23800	31600
11.	159.09	5.78	13.90	20.20	32.90	62.90	84.10	2300	5520	8150	13200	25000	33800
12.	145.83	5.41	13.00	18.90	32.60	59.00	80.40	2450	5860	8650	14700	26200	34900
14.	125.00	5.22	12.70	18.30	31.70	55.40	75.10	2570	6250	9190	15600	28300	37900
16.	109.38	4.87	11.80	17.10	29.70	51.80	71.70	2730	6620	9740	16400	29700	39100
18.	97.22	4.55	8.60	16.10	26.60	48.90	64.90	2800	5310	9830	16600	30100	41100
20.	87.50	4.22	8.11	14.80	24.10	44.40	60.10	2950	5830	10400	17500	31200	43100
22.	79.55	4.08	8.60	14.50	24.60	42.80	57.50	3110	6610	11000	18800	34000	45800
25.	70.00	3.70	7.84	13.30	22.50	39.50	53.20	3200	7000	11600	20000	35800	47900
28.	62.50	2.48	6.96	11.90	17.00	34.00	49.60	2490	7060	12000	16900	33800	48700
32.	54.69	2.46	6.53	10.70	14.80	30.90	46.30	2680	7070	12200	16600	34100	50500
36.	48.61	2.48	5.61	10.70	17.00	29.10	46.80	3080	7070	13400	20700	37300	54000
40.	43.75	2.40	5.25	9.87	14.80	26.20	40.90	3240	7070	14000	20400	37300	56000
45.	38.89	1.93	4.47	8.26	11.70	23.30	36.40	3020	7070	12900	18600	36300	56600
50.	35.00	1.50	4.08	7.63	10.20	21.30	31.60	2640	7050	13100	17800	36700	56600
56.	31.25	1.67	3.60	7.71	11.70	18.60	32.50	3240	7070	15000	22800	37400	63500
63.	27.78	1.49	3.29	7.05	10.20	16.90	28.90	3240	7070	15000	21800	37400	65000
71.	24.65	0.99	2.01	3.49	8.74	14.80	22.60	2310	4730	8240	20400	35000	54600
80.	21.88	0.84	1.28	2.58	5.91	12.20	19.20	2220	3370	6750	15800	32400	49600
90.	19.44	0.99	2.01	3.49	8.55	12.30	21.40	2860	5880	10200	24400	37400	65000
100	17.50	0.84	1.28	2.58	5.91	11.00	19.20	2740	4190	8410	19400	37400	62300

Input mechanical hp rating exceeds thermal hp capacity.

When selecting gear drives by hp method, check required hp (without service factor) against the thermal hp ratings on Page 58.

When selecting gear drives by torque method, convert required torque (without service factor) to hp and check against the thermal hp ratings on Page 58.

UJ – Gear Drive Horsepower & Torque Ratings

1750 High Speed Shaft rpm/Triple Reduction

(TORQUE IS IN POUND-INCHES AT LOW SPEED SHAFT)

Ratio Code	Approx L.S. Shaft rpm	HORSEPOWER						TORQUE					
		DRIVE SIZE						DRIVE SIZE					
		04	06	07	08	09	10	04	06	07	08	09	10
63.	27.78	1.47	3.21	5.29	...	...	...	3240	7070	11600	...	...	...
71.	24.65	1.29	2.83	4.80	...	...	...	3240	7070	12200	...	...	...
80.	21.88	1.19	2.59	5.29	...	...	...	3240	7070	14400	...	...	...
90.	19.44	1.04	2.28	4.74	...	...	...	3240	7070	15000	...	...	...
100	17.50	0.96	1.97	3.82	6.92	10.80	15.20	3240	7070	13700	24600	38300	54000
112	15.63	0.82	1.81	3.65	6.13	9.76	14.10	3240	7070	14000	24600	38300	55300
125	14.00	0.78	1.59	3.36	5.74	8.23	14.60	3240	7070	15000	25000	37400	65100
140	12.50	0.66	1.46	3.15	5.09	7.41	13.20	3240	7070	15000	25000	37400	65100
160	10.94	0.59	1.26	2.62	4.34	6.92	10.10	3240	7070	14700	24600	38300	56600
180	9.72	0.53	1.12	2.40	3.96	6.26	8.75	3240	7070	14700	24600	38300	56600
200	8.75	0.48	1.02	2.16	3.61	5.25	9.23	3240	7070	15000	25000	37400	65100
225	7.78	0.43	0.90	1.97	3.28	4.75	8.01	3240	7070	15000	25000	37400	65100
250	7.00	0.37	0.85	1.76	2.96	4.56	6.49	3120	7070	14700	24600	38300	56600
280	6.25	0.32	0.75	1.28	2.58	4.07	6.05	3020	7070	12000	24600	38300	56600
315	5.56	0.31	0.68	1.45	2.45	3.46	5.94	3240	7070	15000	25000	37400	65100
355	4.93	0.27	0.60	1.28	2.14	3.08	5.53	3240	7070	14900	25000	37400	65100

UJ – Gear Drive Horsepower & Torque Ratings

1430 High Speed Shaft rpm/Double Reduction

(TORQUE IS IN POUND-INCHES AT LOW SPEED SHAFT)

Ratio Code	Approx	HORSEPOWER						TORQUE					
		DRIVE SIZE						DRIVE SIZE					
		04	06	07	08	09	10	04	06	07	08	09	10
5.0	286.00	6.91	17.10	17.30	27.20	80.90	105.00	1490	3640	3740	5810	17400	22600
6.3	226.98	6.83	16.30	17.30	27.20	72.60	98.70	1820	4330	4660	7120	20100	26700
7.1	201.41	6.43	15.30	17.30	27.20	70.10	93.90	1950	4600	5200	8260	20700	28300
8.0	178.75	6.14	14.50	17.30	27.20	66.40	90.20	2050	4890	5840	9190	22000	29600
9.0	158.89	5.75	13.60	17.30	27.20	62.70	84.70	2180	5150	6430	10200	23400	31500
10.	143.00	5.58	13.30	17.30	27.20	58.90	81.10	2300	5570	7270	11300	25200	33400
11.	130.00	5.07	12.20	17.30	27.20	55.10	73.70	2440	5840	8400	13200	26500	35800
12.	119.17	4.74	11.40	16.50	27.20	51.70	70.50	2590	6200	9150	14900	27700	36900
14.	102.14	4.57	11.10	16.10	27.20	48.50	65.80	2720	6620	9730	16200	30000	40100
16.	89.38	4.27	10.10	15.00	26.00	45.40	62.80	2880	6820	10300	17400	31400	41300
18.	79.44	3.99	7.13	14.10	23.50	43.00	56.80	2970	5320	10400	17700	32000	43500
20.	71.50	3.70	6.72	13.00	21.20	39.20	52.70	3120	5830	11000	18700	33200	45600
22.	65.00	3.50	7.13	12.70	21.50	37.50	50.40	3220	6610	11700	19900	36000	48400
25.	57.20	3.11	6.55	11.70	19.70	34.10	46.60	3240	7070	12300	21200	37300	50700
28.	51.07	2.06	5.76	10.40	14.10	30.00	43.50	2490	7060	12700	16900	36000	51500
32.	44.69	2.04	5.41	9.45	12.20	27.30	40.60	2680	7070	13000	16600	36300	53500
36.	39.72	2.06	4.64	9.36	14.10	24.10	38.40	3080	7070	14100	20800	37300	57100
40.	35.75	1.99	4.35	8.65	12.20	21.70	35.80	3240	7070	14800	20400	37300	59200
45.	31.78	1.64	3.71	7.27	9.73	20.40	30.20	3100	7070	13800	18700	38300	56600
50.	28.60	1.24	3.39	6.65	8.45	18.40	26.20	2640	7070	13800	17800	38300	56600
56.	25.54	1.39	2.98	6.39	9.73	15.40	27.60	3240	7070	15000	22900	37400	65000
63.	22.70	1.23	2.72	5.84	8.45	14.00	24.00	3240	7070	15000	21800	37400	65000
71.	20.14	0.84	1.67	2.89	7.33	12.30	18.70	2350	4730	8240	20600	35000	54600
80.	17.88	0.70	1.06	2.14	4.96	10.10	15.90	2220	3370	6760	16000	32400	49600
90.	15.89	0.84	1.67	2.89	7.22	10.20	17.80	2900	5880	10300	24900	37400	65000
100	14.30	0.70	1.06	2.14	4.96	9.08	15.90	2740	4190	8410	19600	37400	62400

Input mechanical hp rating exceeds thermal hp capacity.

When selecting gear drives by hp method, check required hp (without service factor) against the thermal hp ratings on Page 58.

When selecting gear drives by torque method, convert required torque (without service factor) to hp and check against the thermal hp ratings on Page 58.

UJ – Gear Drive Horsepower & Torque Ratings

1430 High Speed Shaft rpm/Triple Reduction

(TORQUE IS IN POUND-INCHES AT LOW SPEED SHAFT)

Ratio Code	Approx L.S. Shaft rpm	HORSEPOWER						TORQUE					
		DRIVE SIZE						DRIVE SIZE					
		04	06	07	08	09	10	04	06	07	08	09	10
63.	22.70	1.22	2.66	4.58	...	...	...	3240	7070	12100	...	...	...
71.	20.14	1.07	2.34	4.16	...	...	...	3240	7070	12800	...	...	...
80.	17.88	0.99	2.14	4.57	...	...	...	3240	7070	15000	...	...	...
90.	15.89	0.87	1.89	3.93	...	...	...	3240	7070	15000	...	...	...
100	14.30	0.79	1.63	3.33	5.73	8.97	13.20	3240	7070	14500	24600	38300	56400
112	12.77	0.68	1.50	3.17	5.07	8.08	11.90	3240	7070	14700	24600	38300	56600
125	11.44	0.64	1.31	2.78	4.75	6.81	12.10	3240	7070	15000	25000	37400	65100
140	10.21	0.55	1.21	2.61	4.21	6.13	10.90	3240	7070	15000	25000	37400	65100
160	8.94	0.49	1.05	2.17	3.60	5.73	8.34	3240	7070	14700	24600	38300	56600
180	7.94	0.44	0.93	1.98	3.28	5.18	7.25	3240	7070	14700	24600	38300	56600
200	7.15	0.39	0.84	1.79	2.98	4.35	7.64	3240	7070	15000	25000	37400	65100
225	6.36	0.35	0.75	1.63	2.72	3.93	6.63	3240	7070	15000	25000	37400	65100
250	5.72	0.31	0.70	1.46	2.45	3.78	5.37	3120	7070	14700	24600	38300	56600
280	5.11	0.26	0.62	1.06	2.13	3.37	5.01	3020	7070	12000	24600	38300	56600
315	4.54	0.26	0.57	1.20	2.04	2.86	4.93	3240	7070	15000	25000	37400	65200
355	4.03	0.23	0.50	1.06	1.78	2.55	4.59	3240	7070	14900	25100	37400	65200

UJ – Gear Drive Horsepower & Torque Ratings

1170 High Speed Shaft rpm/Double Reduction

(TORQUE IS IN POUND-INCHES AT LOW SPEED SHAFT)

Ratio Code	Approx L.S. Shaft rpm	HORSEPOWER						TORQUE					
		DRIVE SIZE						DRIVE SIZE					
		04	06	07	08	09	10	04	06	07	08	09	10
5.0	234.00	5.53	13.70	13.80	21.80	69.10	83.90	1490	3650	3740	5820	18600	22600
6.3	185.71	5.53	13.70	13.80	21.80	62.00	83.90	1840	4540	4660	7130	21500	28500
7.1	164.79	5.50	12.70	13.80	21.80	59.90	80.30	2080	4770	5200	8270	22200	30300
8.0	146.25	5.25	12.20	13.80	21.80	56.80	77.10	2190	5140	5850	9200	23600	31600
9.0	130.00	4.92	10.90	13.80	21.80	53.60	72.40	2330	5160	6430	10200	25000	33700
10.	117.00	4.77	11.40	13.80	21.80	50.30	69.30	2460	5960	7280	11300	26900	35700
11.	106.36	4.33	10.40	13.80	21.80	47.10	63.00	2610	6250	8410	13200	28300	38300
12.	97.50	4.05	9.74	13.80	21.80	44.20	60.20	2770	6630	9560	14900	29700	39500
14.	83.57	3.91	9.23	13.70	21.80	41.40	56.20	2910	6880	10400	16200	32100	42900
16.	73.13	3.65	8.24	12.80	21.80	38.80	53.70	3080	6960	11000	18200	33600	44200
18.	65.00	3.41	5.70	11.60	20.00	36.70	48.60	3170	5320	10700	18800	34200	46500
20.	58.50	3.07	5.38	10.90	18.10	33.80	45.00	3240	5830	11600	19800	35800	48800
22.	53.18	2.82	5.70	10.80	18.40	31.10	43.10	3240	6620	12500	21300	37300	51800
25.	46.80	2.48	5.24	9.97	16.80	27.30	39.90	3240	7070	13200	22700	37300	54200
28.	41.79	1.65	4.61	8.87	11.30	25.50	37.20	2490	7060	13500	17000	38200	55100
32.	36.56	1.63	4.33	7.95	9.79	22.90	34.40	2680	7070	13600	16600	38200	56600
36.	32.50	1.65	3.71	7.96	11.30	19.30	32.80	3080	7070	15000	20800	37400	61100
40.	29.25	1.59	3.48	7.05	9.79	17.40	30.60	3240	7070	15000	20400	37400	63300
45.	26.00	1.32	2.96	6.11	7.79	16.30	24.10	3120	7070	14500	18700	38300	56600
50.	23.40	0.99	2.71	5.38	6.76	14.70	21.00	2640	7070	13900	17800	38300	56600
56.	20.89	1.11	2.38	5.11	7.79	12.30	22.10	3240	7070	15000	22900	37400	65000
63.	18.57	0.99	2.18	4.67	6.76	11.20	19.20	3240	7070	15000	21800	37400	65000
71.	16.48	0.68	1.33	2.31	6.02	9.82	15.00	2390	4730	8240	21200	35000	54600
80.	14.63	0.56	0.85	1.71	4.08	8.11	12.70	2220	3370	6760	16500	32400	49600
90.	13.00	0.68	1.33	2.31	5.79	8.15	14.20	2960	5890	10300	25000	37400	65100
100	11.70	0.56	0.85	1.71	4.08	7.26	12.70	2740	4190	8410	20200	37400	62400

Input mechanical hp rating exceeds thermal hp capacity.

When selecting gear drives by hp method, check required hp (without service factor) against the thermal hp ratings on Page 58.

When selecting gear drives by torque method, convert required torque (without service factor) to hp and check against the thermal hp ratings on Page 58.

UJ – Gear Drive Horsepower & Torque Ratings

1170 High Speed Shaft rpm/Triple Reduction

(TORQUE IS IN POUND-INCHES AT LOW SPEED SHAFT)

Ratio Code	Approx L.S. Shaft rpm	HORSEPOWER						TORQUE					
		DRIVE SIZE						DRIVE SIZE					
		04	06	07	08	09	10	04	06	07	08	09	10
63.	18.57	0.98	2.13	3.86	...	...	...	3240	7070	12800	...	...	...
71.	16.48	0.85	1.87	3.51	...	...	...	3240	7070	13500	...	...	...
80.	14.63	0.79	1.71	3.65	...	...	...	3240	7070	15000	...	...	...
90.	13.00	0.69	1.51	3.14	...	...	...	3240	7070	15000	...	...	...
100	11.70	0.63	1.30	2.71	4.58	7.17	10.60	3240	7070	14700	24600	38300	56600
112	10.45	0.54	1.20	2.53	4.06	6.46	9.51	3240	7070	14700	24600	38300	56600
125	9.36	0.51	1.05	2.23	3.80	5.44	9.67	3240	7070	15000	25000	37400	65100
140	8.36	0.44	0.97	2.08	3.37	4.90	8.70	3240	7070	15000	25000	37400	65100
160	7.31	0.39	0.84	1.74	2.87	4.58	6.67	3240	7070	14700	24600	38300	56600
180	6.50	0.35	0.74	1.59	2.62	4.14	5.79	3240	7070	14700	24600	38300	56600
200	5.85	0.31	0.67	1.43	2.39	3.47	6.10	3240	7070	15000	25000	37400	65100
225	5.20	0.28	0.60	1.31	2.17	3.14	5.31	3240	7070	15000	25000	37400	65200
250	4.68	0.24	0.56	1.17	1.96	3.02	4.29	3120	7070	14700	24600	38300	56600
280	4.18	0.21	0.50	0.85	1.71	2.69	4.00	3020	7070	12000	24600	38300	56600
315	3.71	0.21	0.45	0.96	1.63	2.29	3.94	3240	7070	15000	25100	37400	65200
355	3.30	0.18	0.40	0.85	1.42	2.04	3.67	3240	7070	14900	25100	37400	65200

UJ – Gear Drive Horsepower & Torque Ratings

870 High Speed Shaft rpm/Double Reduction

(TORQUE IS IN POUND-INCHES AT LOW SPEED SHAFT)

Ratio Code	Approx L.S. Shaft rpm	HORSEPOWER						TORQUE					
		DRIVE SIZE						DRIVE SIZE					
		04	06	07	08	09	10	04	06	07	08	09	10
5.0	174.00	4.17	10.30	10.40	16.40	56.70	63.30	1490	3650	3750	5830	20200	22600
6.3	138.10	4.17	10.30	10.40	16.40	50.90	63.30	1840	4540	4670	7140	23400	28500
7.1	122.54	4.17	9.59	10.40	16.40	49.20	63.30	2090	4770	5210	8280	24200	31700
8.0	108.75	4.17	9.22	10.40	16.40	46.60	63.20	2310	5140	5850	9210	25600	34400
9.0	96.67	4.04	8.23	10.40	16.40	44.00	59.40	2540	5160	6440	10200	27200	36700
10.	87.00	3.91	9.22	10.40	16.40	41.30	56.80	2680	6400	7280	11300	29300	38900
11.	79.09	3.55	7.99	10.40	16.40	38.60	51.70	2840	6360	8410	13300	30800	41600
12.	72.50	3.33	7.61	10.40	16.40	36.30	49.40	3020	6870	9560	14900	32300	43000
14.	62.14	3.21	7.14	10.40	16.40	34.00	46.10	3160	7070	10500	16200	34900	46700
16.	54.38	2.89	6.30	10.40	16.40	31.80	44.00	3240	7070	11900	18200	36500	48100
18.	48.33	2.63	4.30	8.72	15.90	30.00	39.90	3240	5320	10700	19900	37100	50600
20.	43.50	2.31	4.06	8.23	14.40	27.20	36.90	3240	5830	11600	20900	38200	53100
22.	39.55	2.13	4.30	8.72	15.00	23.50	35.30	3240	6620	13300	23000	37300	56400
25.	34.80	1.87	3.95	8.18	13.10	20.60	32.70	3240	7070	14300	23300	37300	59000
28.	31.07	1.24	3.48	7.00	8.49	19.20	28.80	2500	7060	14100	17000	38300	56600
32.	27.19	1.23	3.26	6.33	7.39	17.30	25.90	2680	7070	14400	16600	38300	56600
36.	24.17	1.24	2.80	6.01	8.49	14.60	26.30	3080	7070	15000	20800	37400	65000
40.	21.75	1.20	2.62	5.32	7.39	13.10	23.70	3240	7070	15000	20400	37400	65000
45.	19.33	1.00	2.24	4.69	5.87	12.30	18.20	3120	7070	14700	18700	38300	56600
50.	17.40	0.75	2.04	4.06	5.10	11.10	15.80	2650	7070	13900	17800	38300	56600
56.	15.54	0.84	1.80	3.85	5.87	9.31	16.60	3240	7070	15000	22900	37400	65000
63.	13.81	0.74	1.64	3.52	5.10	8.43	14.50	3240	7070	15000	21800	37400	65100
71.	12.25	0.53	1.01	1.74	4.57	7.41	11.30	2450	4730	8240	21300	35000	54600
80.	10.88	0.42	0.64	1.29	3.19	6.12	9.59	2220	3370	6760	17100	32400	49600
90.	9.67	0.53	1.01	1.74	4.37	6.14	10.70	3030	5890	10300	25000	37400	65100
100	8.70	0.42	0.64	1.29	3.19	5.48	9.59	2740	4190	8410	20900	37400	62400

UJ – Gear Drive Horsepower & Torque Ratings

870 High Speed Shaft rpm/Triple Reduction

(TORQUE IS IN POUND-INCHES AT LOW SPEED SHAFT)

Ratio Code	Approx L.S. Shaft rpm	HORSEPOWER						TORQUE					
		DRIVE SIZE						DRIVE SIZE					
		04	06	07	08	09	10	04	06	07	08	09	10
63.	13.81	0.74	1.60	3.14	...	...	...	3240	7070	13800	...	...	...
71.	12.25	0.64	1.41	2.88	...	...	...	3240	7070	14700	...	...	...
80.	10.88	0.60	1.29	2.75	...	...	...	3240	7070	15000	...	...	...
90.	9.67	0.52	1.14	2.37	...	...	...	3240	7070	15000	...	...	...
100	8.70	0.48	0.98	2.04	3.45	5.40	7.96	3240	7070	14700	24600	38300	56600
112	7.77	0.41	0.91	1.91	3.06	4.87	7.16	3240	7070	14700	24600	38300	56600
125	6.96	0.39	0.79	1.68	2.86	4.10	7.28	3240	7070	15000	25000	37400	65100
140	6.21	0.33	0.73	1.57	2.54	3.69	6.56	3240	7070	15000	25000	37400	65100
160	5.44	0.29	0.63	1.31	2.17	3.45	5.03	3240	7070	14700	24600	38300	56600
180	4.83	0.26	0.56	1.20	1.97	3.12	4.37	3240	7070	14700	24600	38300	56600
200	4.35	0.24	0.51	1.08	1.81	2.62	4.61	3240	7070	15000	25100	37400	65200
225	3.87	0.21	0.45	0.98	1.65	2.37	4.01	3240	7070	15000	25100	37400	65200
250	3.48	0.18	0.43	0.88	1.48	2.28	3.24	3130	7070	14700	24600	38300	56600
280	3.11	0.16	0.37	0.64	1.29	2.03	3.02	3030	7070	12000	24600	38300	56600
315	2.76	0.16	0.34	0.72	1.23	1.73	2.97	3240	7070	15000	25100	37400	65200
355	2.45	0.14	0.30	0.64	1.07	1.54	2.77	3240	7070	14900	25100	37400	65200

UJ – Gear Drive Horsepower & Torque Ratings

500 High Speed Shaft rpm/Double Reduction

(TORQUE IS IN POUND-INCHES AT LOW SPEED SHAFT)

Ratio Code	Approx L.S. Shaft rpm	HORSEPOWER						TORQUE					
		DRIVE SIZE						DRIVE SIZE					
		04	06	07	08	09	10	04	06	07	08	09	10
5.0	100.00	2.38	5.90	5.96	9.39	36.20	36.20	1490	3660	3760	5840	22600	22700
6.3	79.37	2.38	5.90	5.96	9.39	34.30	36.20	1840	4550	4680	7160	27700	28500
7.1	70.42	2.38	5.48	5.96	9.39	32.70	36.20	2090	4780	5210	8300	28200	31700
8.0	62.50	2.38	5.27	5.96	9.39	30.90	36.20	2310	5150	5860	9220	29800	34500
9.0	55.56	2.38	4.70	5.96	9.39	29.00	36.20	2620	5160	6440	10300	31400	39200
10.	50.00	2.38	5.27	5.96	9.39	27.90	36.20	2850	6400	7290	11300	34700	43400
11.	45.45	2.32	4.56	5.96	9.39	25.30	34.90	3240	6360	8420	13300	35300	49300
12.	41.67	2.04	4.35	5.96	9.39	23.30	33.40	3240	6870	9570	14900	36400	50800
14.	35.71	1.88	4.08	5.96	9.39	20.80	31.10	3240	7070	10500	16300	37300	55200
16.	31.25	1.65	3.60	5.96	9.39	18.60	29.70	3240	7070	11900	18300	37400	56900
18.	27.78	1.50	2.46	4.99	9.39	17.70	25.50	3240	5330	10700	20600	38300	56600
20.	25.00	1.32	2.32	4.70	9.12	15.50	22.50	3240	5840	11600	23300	38300	56600
22.	22.73	1.21	2.46	4.99	9.03	13.40	23.30	3240	6620	13300	24300	37400	65000
25.	20.00	1.07	2.26	4.70	7.88	11.80	20.60	3240	7070	14400	24600	37400	65000
28.	17.86	0.71	1.99	4.00	4.85	11.00	16.40	2500	7060	14100	17000	38300	56600
32.	15.63	0.70	1.86	3.69	4.22	9.89	14.80	2690	7070	14700	16600	38300	56600
36.	13.89	0.71	1.60	3.43	4.85	8.32	15.00	3090	7070	15000	20800	37400	65100
40.	12.50	0.69	1.50	3.04	4.22	7.49	13.50	3240	7070	15000	20400	37400	65100
45.	11.11	0.57	1.28	2.68	3.36	7.02	10.40	3120	7070	14700	18700	38300	56600
50.	10.00	0.43	1.17	2.32	2.91	6.36	9.03	2650	7070	13900	17800	38300	56600
56.	8.93	0.48	1.03	2.20	3.36	5.32	9.51	3240	7070	15000	22900	37400	65100
63.	7.94	0.42	0.94	2.01	2.91	4.81	8.26	3240	7070	15000	21800	37400	65100
71.	7.04	0.32	0.57	1.00	2.61	4.23	6.46	2580	4740	8250	21300	35000	54600
80.	6.25	0.24	0.37	0.74	1.97	3.50	5.48	2220	3370	6760	18400	32400	49700
90.	5.56	0.32	0.57	1.00	2.50	3.51	6.13	3190	5890	10300	25000	37400	65100
100	5.00	0.24	0.37	0.74	1.97	3.13	5.48	2750	4190	8420	22600	37400	62400

UJ – Gear Drive Horsepower & Torque Ratings

500 High Speed Shaft rpm/Triple Reduction

(TORQUE IS IN POUND-INCHES AT LOW SPEED SHAFT)

Ratio Code	Approx L.S. Shaft rpm	HORSEPOWER						TORQUE					
		DRIVE SIZE						DRIVE SIZE					
		04	06	07	08	09	10	04	06	07	08	09	10
63.	7.94	0.42	0.92	1.91	...	...	...	3240	7070	14700	...	...	...
71.	7.04	0.37	0.81	1.64	...	...	...	3240	7070	14700	...	...	...
80.	6.25	0.34	0.74	1.57	...	...	...	3240	7070	15000	...	...	...
90.	5.56	0.30	0.65	1.35	...	...	...	3240	7070	15000	...	...	...
100	5.00	0.27	0.56	1.16	1.97	3.08	4.54	3240	7070	14700	24600	38300	56600
112	4.46	0.23	0.52	1.09	1.74	2.78	4.09	3240	7070	14700	24600	38300	56600
125	4.00	0.22	0.45	0.96	1.64	2.34	4.16	3240	7070	15000	25100	37400	65200
140	3.57	0.19	0.42	0.90	1.45	2.10	3.75	3240	7070	15000	25100	37400	65200
160	3.13	0.17	0.36	0.75	1.24	1.97	2.87	3240	7070	14700	24600	38300	56600
180	2.78	0.15	0.32	0.68	1.13	1.78	2.49	3240	7070	14700	24600	38300	56600
200	2.50	0.14	0.29	0.62	1.03	1.49	2.63	3240	7070	15000	25100	37400	65200
225	2.22	0.12	0.26	0.56	0.94	1.35	2.29	3240	7070	15000	25100	37400	65200
250	2.00	0.11	0.24	0.50	0.84	1.30	1.85	3130	7070	14700	24600	38300	56600
280	1.79	0.09	0.21	0.37	0.73	1.16	1.72	3030	7070	12000	24600	38300	56600
315	1.59	0.09	0.20	0.41	0.70	0.99	1.69	3240	7070	15000	25100	37400	65200
355	1.41	0.08	0.17	0.37	0.61	0.88	1.58	3240	7070	14900	25100	37400	65200

UJ – Gear Drive Horsepower & Torque Ratings

250 High Speed Shaft rpm/Double Reduction

(TORQUE IS IN POUND-INCHES AT LOW SPEED SHAFT)

Ratio Code	Approx L.S. Shaft rpm	HORSEPOWER						TORQUE					
		DRIVE SIZE						DRIVE SIZE					
		04	06	07	08	09	10	04	06	07	08	09	10
5.0	49.90	1.19	2.95	2.98	4.69	18.10	18.10	1490	3660	3770	5860	22600	22700
6.3	39.62	1.19	2.95	2.98	4.69	18.10	18.10	1850	4550	4690	7180	29200	28600
7.1	35.16	1.19	2.74	2.98	4.69	18.10	18.10	2100	4780	5220	8310	31200	31800
8.0	31.21	1.19	2.63	2.98	4.69	17.90	18.10	2310	5150	5870	9230	34500	34500
9.0	27.75	1.19	2.35	2.98	4.69	16.80	18.10	2620	5170	6450	10300	36400	39200
10.	25.00	1.19	2.63	2.98	4.69	15.00	18.10	2860	6410	7300	11300	37400	43400
11.	22.73	1.16	2.28	2.98	4.69	13.70	18.10	3240	6360	8420	13300	38300	51100
12.	20.83	1.02	2.17	2.98	4.69	12.30	18.10	3240	6870	9580	14900	38300	55200
14.	17.86	0.94	2.04	2.98	4.69	10.40	18.10	3240	7070	10500	16300	37400	64200
16.	15.63	0.83	1.80	2.98	4.69	9.30	17.00	3240	7070	11900	18300	37400	65000
18.	13.89	0.75	1.23	2.49	4.69	8.85	12.70	3240	5330	10700	20600	38300	56600
20.	12.50	0.66	1.16	2.35	4.69	7.77	11.20	3240	5840	11600	24000	38300	56600
22.	11.36	0.61	1.23	2.49	4.65	6.71	11.60	3240	6630	13300	25000	37400	65100
25.	10.00	0.54	1.13	2.35	3.99	5.88	10.30	3240	7070	14400	25000	37400	65100
28.	8.93	0.36	0.99	2.00	2.43	5.49	8.22	2500	7070	14100	17000	38300	56600
32.	7.81	0.35	0.93	1.85	2.11	4.95	7.40	2690	7070	14700	16700	38300	56600
36.	6.94	0.36	0.80	1.71	2.43	4.16	7.52	3090	7070	15000	20800	37400	65100
40.	6.25	0.34	0.75	1.52	2.11	3.75	6.77	3240	7070	15000	20400	37400	65100
45.	5.56	0.28	0.64	1.34	1.68	3.51	5.20	3120	7070	14700	18700	38300	56600
50.	5.00	0.21	0.58	1.16	1.46	3.18	4.51	2650	7070	13900	17800	38300	56600
56.	4.46	0.24	0.51	1.10	1.68	2.66	4.77	3240	7070	15000	22900	37400	65200
63.	3.97	0.21	0.47	1.01	1.46	2.41	4.14	3240	7070	15000	21800	37400	65200
71.	3.52	0.17	0.29	0.50	1.31	2.12	3.23	2760	4740	8250	21300	35000	54600
80.	3.13	0.12	0.18	0.37	1.01	1.75	2.74	2220	3370	6770	19000	32400	49700
90.	2.78	0.16	0.29	0.50	1.25	1.75	3.07	3240	5890	10300	25100	37400	65200
100	2.50	0.12	0.18	0.37	1.01	1.56	2.74	2750	4190	8420	23300	37400	62400

UJ – Gear Drive Horsepower & Torque Ratings

250 High Speed Shaft rpm/Triple Reduction

(TORQUE IS IN POUND-INCHES AT LOW SPEED SHAFT)

Ratio Code	Approx L.S. Shaft rpm	HORSEPOWER						TORQUE					
		DRIVE SIZE						DRIVE SIZE					
		04	06	07	08	09	10	04	06	07	08	09	10
63.	3.97	0.21	0.46	0.96	...	...	...	3240	7070	14700	...	...	...
71.	3.52	0.18	0.40	0.82	...	...	...	3240	7070	14700	...	...	...
80.	3.13	0.17	0.37	0.79	...	...	...	3240	7070	15000	...	...	...
90.	2.78	0.15	0.32	0.68	...	...	...	3240	7070	15000	...	...	...
100	2.50	0.14	0.28	0.58	0.98	1.54	2.27	3240	7070	14700	24600	38300	56600
112	2.23	0.12	0.26	0.55	0.87	1.39	2.04	3240	7070	14700	24600	38300	56600
125	2.00	0.11	0.23	0.48	0.82	1.17	2.08	3240	7070	15000	25100	37400	65200
140	1.79	0.09	0.21	0.45	0.73	1.05	4.87	3240	7070	15000	25100	37400	65200
160	1.56	0.08	0.18	0.37	0.62	0.98	1.43	3240	7070	14700	24600	38300	56600
180	1.39	0.08	0.16	0.34	0.56	0.89	1.24	3240	7070	14700	24600	38300	56600
200	1.25	0.07	0.15	0.31	0.52	0.75	1.31	3240	7070	15000	25100	37400	65200
225	1.11	0.06	0.13	0.28	0.47	0.68	1.14	3240	7070	15000	25100	37400	65300
250	1.00	0.05	0.12	0.25	0.42	0.65	0.92	3130	7070	14700	24600	38300	56600
280	0.89	0.04	0.11	0.18	0.37	0.58	0.86	3030	7070	12000	24600	38300	56600
315	0.79	0.04	0.10	0.21	0.35	0.49	0.85	3240	7070	15000	25100	37400	65300
355	0.70	0.04	0.09	0.18	0.31	0.44	0.79	3240	7070	14900	25100	37400	65300

UJ – Gear Drive Part Numbers

Hollow Low Speed Shaft Basic Gear Drive – Double Reduction

DRIVE SIZE	Ratio Code	Exact Ratio	Drive Designation	Drive Part No.	DRIVE SIZE	Ratio Code	Exact Ratio	Drive Designation	Drive Part No.	DRIVE SIZE	Ratio Code	Exact Ratio	Drive Designation	Drive Part No.
04	5.0	5.113	04UJAJ2A5.0N	4761843	07	5.0	5.151	07UJAJ2A5.0N	4762029	09	5.0	5.085	09UJAJ2A5.0N	4762277
04	6.3	6.320	04UJAJ2A6.3N	4761847	07	6.3	6.420	07UJAJ2A6.3N	4762033	09	6.3	6.567	09UJAJ2A6.3N	4762281
04	7.1	7.172	04UJAJ2A7.1N	4761851	07	7.1	7.136	07UJAJ2A7.1N	4762037	09	7.1	7.000	09UJAJ2A7.1N	4762285
04	8.0	7.903	04UJAJ2A8.0N	4761855	07	8.0	8.016	07UJAJ2A8.0N	4762041	09	8.0	7.846	09UJAJ2A8.0N	4762289
04	9.0	8.975	04UJAJ2A9.0N	4761859	07	9.0	8.813	07UJAJ2A9.0N	4762045	09	9.0	8.807	09UJAJ2A9.0N	4762293
04	10.	9.768	04UJAJ2A10.N	4761863	07	10.	9.990	07UJAJ2A10.N	4762049	09	10.	10.13	09UJAJ2A10.N	4762297
04	11.	11.40	04UJAJ2A11.N	4761867	07	11.	11.51	07UJAJ2A11.N	4762053	09	11.	11.35	09UJAJ2A11.N	4762301
04	12.	12.95	04UJAJ2A12.N	4761871	07	12.	13.09	07UJAJ2A12.N	4762057	09	12.	12.68	09UJAJ2A12.N	4762305
04	14.	14.09	04UJAJ2A14.N	4761875	07	14.	14.35	07UJAJ2A14.N	4762061	09	14.	12.68	09UJAJ2A14.N	4762309
04	16.	16.01	04UJAJ2A16.N	4761879	07	16.	16.31	07UJAJ2A16.N	4762065	09	16.	16.37	09UJAJ2A16.N	4762313
04	18.	17.63	04UJAJ2A18.N	4761883	07	18.	17.48	07UJAJ2A18.N	4762070	09	18.	17.58	09UJAJ2A18.N	4762317
04	20.	20.03	04UJAJ2A20.N	4761887	07	20.	20.09	07UJAJ2A20.N	4762075	09	20.	20.04	09UJAJ2A20.N	4762321
04	22.	21.79	04UJAJ2A22.N	4761891	07	22.	21.79	07UJAJ2A22.N	4762080	09	22.	22.70	09UJAJ2A22.N	4762325
04	25.	24.75	04UJAJ2A25.N	4761895	07	25.	25.04	07UJAJ2A25.N	4762085	09	25.	25.88	09UJAJ2A25.N	4762329
04	28.	28.82	04UJAJ2A28.N	4761898	07	28.	28.77	07UJAJ2A28.N	4762090	09	28.	28.41	09UJAJ2A28.N	4762335
04	32.	31.33	04UJAJ2A32.N	4761901	07	32.	32.53	07UJAJ2A32.N	4762095	09	32.	31.56	09UJAJ2A32.N	4762341
04	36.	35.62	04UJAJ2A36.N	4761904	07	36.	35.86	07UJAJ2A36.N	4762100	09	36.	36.69	09UJAJ2A36.N	4762347
04	40.	38.72	04UJAJ2A40.N	4761907	07	40.	40.55	07UJAJ2A40.N	4762105	09	40.	40.76	09UJAJ2A40.N	4762353
04	45.	45.14	04UJAJ2A45.N	4761910	07	45.	44.99	07UJAJ2A45.N	4762110	09	45.	44.58	09UJAJ2A45.N	4762359
04	50.	50.86	04UJAJ2A50.N	4761913	07	50.	49.27	07UJAJ2A50.N	4762115	09	50.	49.22	09UJAJ2A50.N	4762365
04	56.	55.79	04UJAJ2A56.N	4761916	07	56.	56.07	07UJAJ2A56.N	4762120	09	56.	57.58	09UJAJ2A56.N	4762371
04	63.	62.86	04UJAJ2A63.N	4761919	07	63.	61.40	07UJAJ2A63.N	4762125	09	63.	63.56	09UJAJ2A63.N	4762377
04	71.	67.10	04UJAJ2A71.N	4761922	07	71.	68.02	07UJAJ2A71.N	4762130	09	71.	67.71	09UJAJ2A71.N	4762383
04	80.	76.29	04UJAJ2A80.N	4761925	07	80.	75.58	07UJAJ2A80.N	4762135	09	80.	76.14	09UJAJ2A80.N	4762389
04	90.	82.94	04UJAJ2A90.N	4761928	07	90.	84.78	07UJAJ2A90.N	4762140	09	90.	87.44	09UJAJ2A90.N	4762395
04	100	94.29	04UJAJ2A100N	4761931	07	100	94.20	07UJAJ2A100N	4762145	09	100	98.32	09UJAJ2A100N	4762401
06	5.0	5.031	06UJAJ2A5.0N	4761934	08	5.0	5.088	08UJAJ2A5.0N	4762149	10	5.0	5.107	10UJAJ2A5.0N	4763554
06	6.3	6.273	06UJAJ2A6.3N	4761937	08	6.3	6.242	08UJAJ2A6.3N	4762153	10	6.3	6.433	10UJAJ2A6.3N	4763558
06	7.1	7.074	06UJAJ2A7.1N	4761940	08	7.1	7.212	08UJAJ2A7.1N	4762157	10	7.1	7.133	10UJAJ2A7.1N	4763562
06	8.0	7.928	06UJAJ2A8.0N	4761943	08	8.0	8.012	08UJAJ2A8.0N	4762161	10	8.0	7.758	10UJAJ2A8.0N	4763566
06	9.0	8.900	06UJAJ2A9.0N	4761946	08	9.0	8.912	08UJAJ2A9.0N	4762165	10	9.0	8.812	10UJAJ2A9.0N	4763570
06	10.	9.886	06UJAJ2A10.N	4761949	08	10.	9.830	08UJAJ2A10.N	4762169	10	10.	9.772	10UJAJ2A10.N	4763574
06	11.	11.30	06UJAJ2A11.N	4761952	08	11.	11.52	08UJAJ2A11.N	4762173	10	11.	11.48	10UJAJ2A11.N	4763578
06	12.	12.81	06UJAJ2A12.N	4761955	08	12.	12.94	08UJAJ2A12.N	4762177	10	12.	12.39	10UJAJ2A12.N	4763582
06	14.	14.09	06UJAJ2A14.N	4761958	08	14.	14.14	08UJAJ2A14.N	4762181	10	14.	14.46	10UJAJ2A14.N	4763586
06	16.	15.97	06UJAJ2A16.N	4761961	08	16.	15.87	08UJAJ2A16.N	4762185	10	16.	15.61	10UJAJ2A16.N	4763590
06	18.	17.59	06UJAJ2A18.N	4761965	08	18.	17.88	08UJAJ2A18.N	4762189	10	18.	18.07	10UJAJ2A18.N	4763594
06	20.	20.46	06UJAJ2A20.N	4761969	08	20.	20.81	08UJAJ2A20.N	4762193	10	20.	20.46	10UJAJ2A20.N	4763598
06	22.	21.94	06UJAJ2A22.N	4761973	08	22.	21.93	08UJAJ2A22.N	4762197	10	22.	22.76	10UJAJ2A22.N	4763602
06	25.	25.51	06UJAJ2A25.N	4761977	08	25.	25.53	08UJAJ2A25.N	4762201	10	25.	25.77	10UJAJ2A25.N	4763606
06	28.	28.92	06UJAJ2A28.N	4761981	08	28.	28.58	08UJAJ2A28.N	4762205	10	28.	28.04	10UJAJ2A28.N	4763610
06	32.	30.88	06UJAJ2A32.N	4761985	08	32.	32.26	08UJAJ2A32.N	4762213	10	32.	31.16	10UJAJ2A32.N	4763618
06	36.	36.06	06UJAJ2A36.N	4761989	08	36.	35.06	08UJAJ2A36.N	4762219	10	36.	35.32	10UJAJ2A36.N	4763624
06	40.	38.50	06UJAJ2A40.N	4761993	08	40.	39.58	08UJAJ2A40.N	4762225	10	40.	39.25	10UJAJ2A40.N	4763630
06	45.	45.18	06UJAJ2A45.N	4761997	08	45.	45.60	08UJAJ2A45.N	4762231	10	45.	44.43	10UJAJ2A45.N	4763636
06	50.	49.47	06UJAJ2A50.N	4762001	08	50.	50.09	08UJAJ2A50.N	4762237	10	50.	51.19	10UJAJ2A50.N	4763642
06	56.	56.34	06UJAJ2A56.N	4762005	08	56.	55.95	08UJAJ2A56.N	4762243	10	56.	55.97	10UJAJ2A56.N	4763648
06	63.	61.69	06UJAJ2A63.N	4762009	08	63.	61.46	08UJAJ2A63.N	4762249	10	63.	64.49	10UJAJ2A63.N	4763654
06	71.	67.58	06UJAJ2A71.N	4762013	08	71.	67.04	08UJAJ2A71.N	4762255	10	71.	69.24	10UJAJ2A71.N	4763660
06	80.	75.79	06UJAJ2A80.N	4762017	08	80.	77.20	08UJAJ2A80.N	4762261	10	80.	74.39	10UJAJ2A80.N	4763666
06	90.	84.26	06UJAJ2A90.N	4762021	08	90.	82.25	08UJAJ2A90.N	4762267	10	90.	87.21	10UJAJ2A90.N	4763672
06	100	94.50	06UJAJ2A100N	4762025	08	100	94.71	08UJAJ2A100N	4762273	10	100	93.70	10UJAJ2A100N	4763678

UJ – Gear Drive Part Numbers

Hollow Low Speed Shaft Basic Gear Drive – Triple Reduction

DRIVE SIZE	Ratio Code	Exact Ratio	Drive Designation	Drive Part No.	DRIVE SIZE	Ratio Code	Exact Ratio	Drive Designation	Drive Part No.	DRIVE SIZE	Ratio Code	Exact Ratio	Drive Designation	Drive Part No.
04	63.	63.92	04UJAJ3A63.N	4762404	06	315	301.3	06UJAJ3A315N	4762498	09	100	102.5	09UJAJ3A100N	4762625
04	71.	73.05	04UJAJ3A71.N	4762407	06	355	342.6	06UJAJ3A355N	4762501	09	112	113.9	09UJAJ3A112N	4762629
04	80.	79.00	04UJAJ3A80.N	4762410	07	63.	63.46	07UJAJ3A63.N	4762504	09	125	132.3	09UJAJ3A125N	4762633
04	90.	90.28	04UJAJ3A90.N	4762413	07	71.	73.81	07UJAJ3A71.N	4762507	09	140	147.0	09UJAJ3A140N	4762637
04	100	98.59	04UJAJ3A100N	4762416	07	80.	79.09	07UJAJ3A80.N	4762510	09	160	160.8	09UJAJ3A160N	4762641
04	112	115.5	04UJAJ3A112N	4762419	07	90.	91.99	07UJAJ3A90.N	4762513	09	180	177.5	09UJAJ3A180N	4762645
04	125	121.9	04UJAJ3A125N	4762422	07	100	104.3	07UJAJ3A100N	4762517	09	200	207.7	09UJAJ3A200N	4762649
04	140	142.8	04UJAJ3A140N	4762425	07	112	111.4	07UJAJ3A112N	4762521	09	225	229.3	09UJAJ3A225N	4762653
04	160	161.5	04UJAJ3A160N	4762428	07	125	130.0	07UJAJ3A125N	4762525	09	250	244.2	09UJAJ3A250N	4762657
04	180	179.5	04UJAJ3A180N	4762431	07	140	138.8	07UJAJ3A140N	4762529	09	280	274.6	09UJAJ3A280N	4762661
04	200	199.7	04UJAJ3A200N	4762434	07	160	163.0	07UJAJ3A160N	4762533	09	315	315.4	09UJAJ3A315N	4762665
04	225	221.8	04UJAJ3A225N	4762437	07	180	178.4	07UJAJ3A180N	4762537	09	355	354.7	09UJAJ3A355N	4762669
04	250	247.7	04UJAJ3A250N	4762440	07	200	203.1	07UJAJ3A200N	4762541	10	100	98.59	10UJAJ3A100N	4764116
04	280	281.6	04UJAJ3A280N	4762443	07	225	222.4	07UJAJ3A225N	4762545	10	112	115.5	10UJAJ3A112N	4764122
04	315	306.2	04UJAJ3A315N	4762446	07	250	243.7	07UJAJ3A250N	4762549	10	125	121.9	10UJAJ3A125N	4764128
04	355	348.0	04UJAJ3A355N	4762449	07	280	273.4	07UJAJ3A280N	4762553	10	140	142.8	10UJAJ3A140N	4764134
06	63.	63.48	06UJAJ3A63.N	4762453	07	315	303.8	07UJAJ3A315N	4762557	10	160	161.5	10UJAJ3A160N	4764140
06	71.	72.12	06UJAJ3A71.N	4762457	07	355	340.7	07UJAJ3A355N	4762561	10	180	179.5	10UJAJ3A180N	4764146
06	80.	79.15	06UJAJ3A80.N	4762461	08	100	103.8	08UJAJ3A100N	4762566	10	200	199.7	10UJAJ3A200N	4764152
06	90.	89.92	06UJAJ3A90.N	4762465	08	112	116.6	08UJAJ3A112N	4762571	10	225	221.8	10UJAJ3A225N	4764158
06	100	103.8	06UJAJ3A100N	4762468	08	125	126.8	08UJAJ3A125N	4762576	10	250	247.7	10UJAJ3A250N	4764164
06	112	112.8	06UJAJ3A112N	4762471	08	140	143.1	08UJAJ3A140N	4762581	10	280	281.6	10UJAJ3A280N	4764170
06	125	129.4	06UJAJ3A125N	4762474	08	160	164.9	08UJAJ3A160N	4762586	10	315	306.2	10UJAJ3A315N	4764176
06	140	140.7	06UJAJ3A140N	4762477	08	180	181.1	08UJAJ3A180N	4762591	10	355	348.0	10UJAJ3A355N	4764182
06	160	162.6	06UJAJ3A160N	4762480	08	200	202.3	08UJAJ3A200N	4762596					
06	180	183.2	06UJAJ3A180N	4762483	08	225	222.2	08UJAJ3A225N	4762601					
06	200	202.7	06UJAJ3A200N	4762486	08	250	242.4	08UJAJ3A250N	4762606					
06	225	228.4	06UJAJ3A225N	4762489	08	280	279.1	08UJAJ3A280N	4762611					
06	250	241.7	06UJAJ3A250N	4762492	08	315	297.4	08UJAJ3A315N	4762616					
06	280	274.7	06UJAJ3A280N	4762495	08	355	342.4	08UJAJ3A355N	4762621					

UJ – Gear Drive Thermal Horsepower Ratings ‡

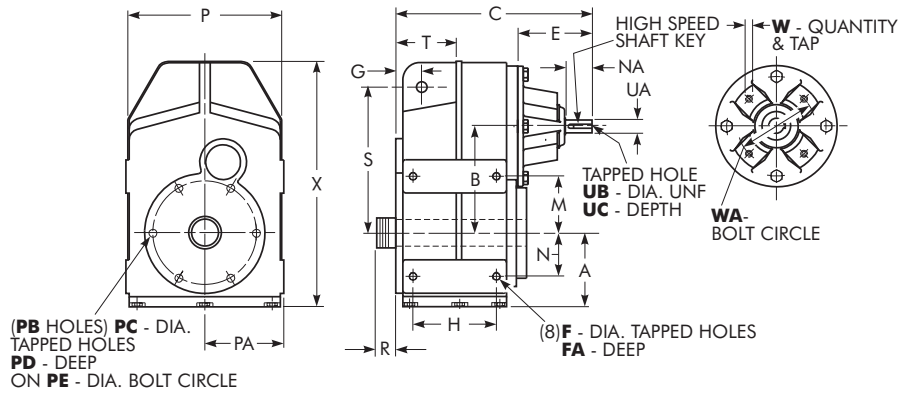
Overall Ratios	High Speed Shaft rpm	DRIVE SIZE					
		04	06	07	08	09	10
5 to 20	2400	10.6	19.1	27.2	35.4	52.2	75.4
	1750	11.0	20.1	28.6	37.3	55.0	79.4
	<1450	11.3	20.7	29.5	39.6	57.1	82.1
22 to 56	2400	8.2	14.6	21.1	27.9	40.4	58.1
	1750	9.9	19.4	26.0	33.5	51.9	75.4
	<1450	9.9	19.4	26.0	33.5	52.7	78.7
63 & Over	2400	5.0	10.6	14.9	19.6	28.3	40.4
	1750	9.0	16.6	22.7	30.8	45.1	66.5
	<1450	9.0	16.6	22.7	31.1	45.6	66.9

‡ Thermal hp ratings are based on standard horizontal (Mounting #1) position. For ratings in the other positions, consult Factory.

Type UJ Double Reduction Gear Drive

Sizes 04-10 — Dimensions – Inches

BASIC GEAR DRIVE HOLLOW LOW SPEED SHAFT



SIZE ★	A	B	C	E	F	FA	G	H	M	N	NA
04	3.35	4.72	9.76	4.37	M10 x 1.50	0.67	1.26	3.54	2.38	1.97	1.57
06	4.33	6.30	11.57	4.37	M12 x 1.75	0.79	1.53	4.92	3.35	2.56	1.57
07	5.28	7.87	13.11	4.53	M16 x 2.00	0.98	1.89	5.91	4.53	3.35	1.97
08	5.83	8.90	15.94	6.30	M16 x 2.00	0.94	2.32	6.69	3.94	3.94	2.36
09	6.89	10.79	19.13	7.68	M16 x 2.00	0.94	2.56	8.46	8.86	4.92	3.15
10	8.50	13.07	22.66	9.17	M20 x 2.00	1.06	3.46	9.84	10.71	6.22	4.33

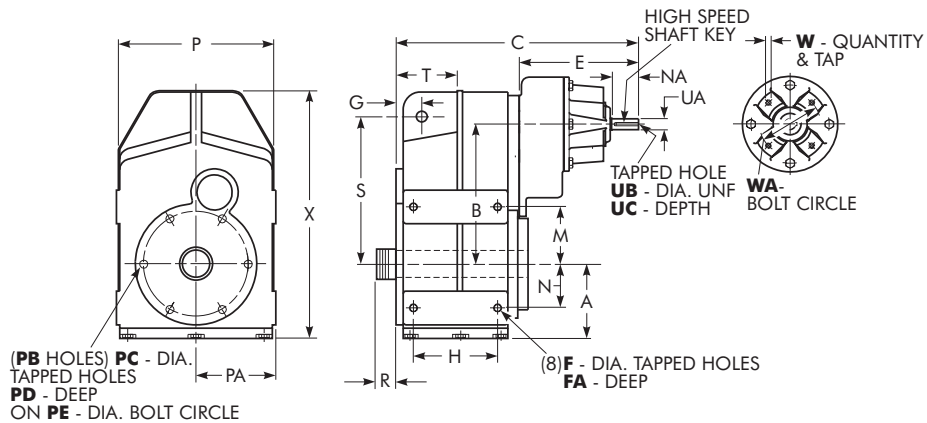
SIZE ★	P	PA	PB	PC	PD	PE	R	S	T	H.S. Shaft				W	WA	X
										UA +.0000 -.0005	Key	UB	UC			
04	6.54	3.46	4	M8 x 1.25	0.55	5.12	1.33	6.69	2.67	0.6250	.20 x .20 x 1.28	1/4	0.49	4 x M8	3.54	11.10
06	8.90	4.65	6	M12 x 1.75	0.79	5.91	1.02	8.58	3.57	0.7500	.24 x .24 x 1.28	1/4	0.63	4 x M10	4.53	14.45
07	10.47	5.51	6	M12 x 1.75	0.79	5.91	0.99	10.94	4.16	0.9375	.31 x .31 x 1.28	5/16	0.63	4 x M12	5.71	17.68
08	12.60	6.69	8	M12 x 1.75	0.79	7.68	1.05	13.62	4.61	1.0938	.31 x .31 x 2.00	3/8	0.87	4 x M12	5.71	20.71
09	15.12	7.87	6	M16 x 2.00	1.06	9.06	1.10	15.55	5.71	1.3750	.31 x .31 x 2.40	1/2	1.10	4 x M16	6.89	24.09
10	17.87	9.25	10	M16 x 2.00	1.06	11.02	1.16	19.09	6.75	1.6250	.38 x .38 x 3.69	5/8	1.42	4 x M20	8.27	29.45

★ Refer to Page 6 for General Information and Reference Notes.

Type UJ Triple Reduction Gear Drive

Sizes 04-07 — Dimensions — Inches

BASIC GEAR DRIVE HOLLOW LOW SPEED SHAFT



SIZE ★	A	B	C	E	F	FA	G	H	M	N	NA
04	3.35	6.14	11.97	6.57	M10 x 1.50	0.67	1.26	3.54	2.38	1.97	1.57
06	4.33	8.15	14.25	6.97	M12 x 1.75	0.79	1.53	4.92	3.35	2.56	1.57
07	5.28	10.24	16.42	7.76	M16 x 2.00	0.98	1.89	5.91	4.52	3.35	1.57

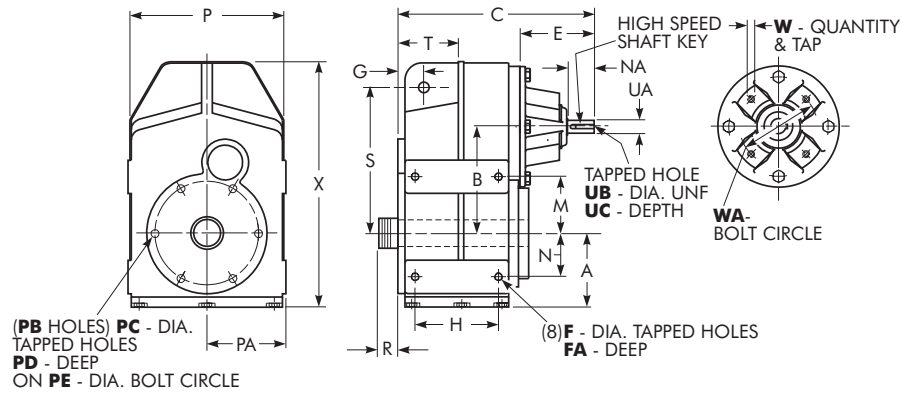
SIZE ★	P	PA	PB	PC	PD	PE	R	S	T	H.S. Shaft				W	WA	X
										UA +.0000 -.0005	Key	UB	UC			
04	6.54	3.46	4	M8 x 1.25	0.55	5.12	1.33	6.69	2.67	0.6250	.20 x .20 x 1.28	1/4	0.49	4 x M8	3.54	11.10
06	8.90	4.65	6	M12 x 1.75	0.79	5.91	1.02	8.58	3.57	0.7500	.24 x .24 x 1.28	1/4	0.49	4 x M8	4.53	14.45
07	10.47	5.51	6	M12 x 1.75	0.79	5.91	0.99	10.94	4.16	0.9375	.31 x .31 x 1.28	1/4	0.63	4 x M10	5.71	17.68

★ Refer to Page 6 for General Information and Reference Notes.

Type UJ Triple Reduction Gear Drive

Sizes 08-10 — Dimensions — Inches

BASIC GEAR DRIVE HOLLOW LOW SPEED SHAFT



SIZE ★	A	B	C	E	F	FA	G	H	M	N	NA
08	5.83	8.90	15.47	5.71	M16 x 2.00	0.94	2.32	6.69	3.94	3.94	1.97
09	6.89	10.79	19.41	7.76	M16 x 2.00	0.94	2.56	8.46	8.86	4.92	2.36
10	8.50	13.07	22.74	9.25	M20 x 2.00	1.06	3.46	9.84	10.71	6.22	3.15

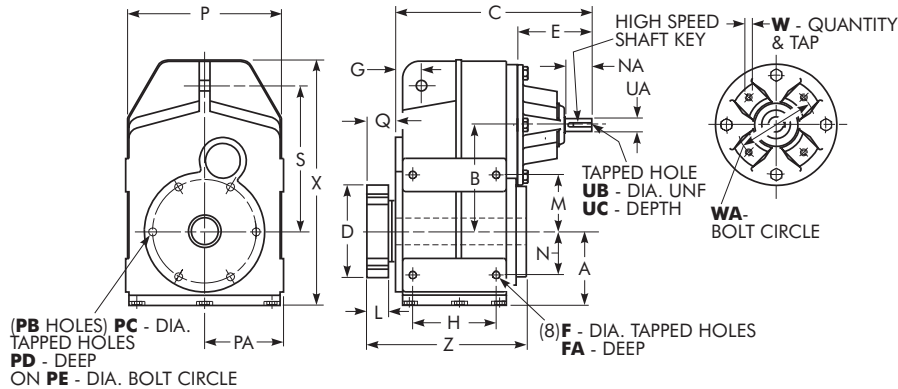
SIZE ★	P	PA	PB	PC	PD	PE	R	S	T	H.S. Shaft				W	WA	X
										UA +.0000 -.0005	Key	UB	UC			
08	12.60	6.69	8	M12 x 1.75	0.79	7.68	1.05	13.62	4.61	1.0938	.31 x .31 x 1.28	5/16	0.63	4 x M12	5.71	20.71
09	15.12	7.87	6	M16 x 2.00	1.06	9.06	1.10	15.55	5.71	1.1250	.25 x .25 x 2.00	3/8	0.87	4 x M12	5.71	24.09
10	17.87	9.25	10	M16 x 2.00	1.06	11.02	1.16	19.09	6.75	1.3750	.31 x .31 x 2.40	1/2	1.10	4 x M16	6.89	29.45

★ Refer to Page 6 for General Information and Reference Notes.

Type UJ Double Reduction Gear Drive

Sizes 04-10 — Dimensions — Inches

BASIC GEAR DRIVE WITH TA TAPER BUSHING



SIZE ★	A	B	C	D	E	F	FA	G	H	L	M	N	NA
04	3.35	4.72	9.76	3.31	4.37	M10 x 1.50	0.67	1.26	3.54	1.26	2.38	1.97	1.57
06	4.33	6.30	11.57	4.06	4.37	M12 x 1.75	0.79	1.53	4.92	1.46	3.35	2.56	1.57
07	5.28	7.87	13.11	4.31	4.53	M16 x 2.00	0.98	1.89	5.91	1.46	4.53	3.35	1.97
08	5.83	8.90	15.94	4.81	6.30	M16 x 2.00	0.94	2.32	6.69	1.46	3.94	3.94	2.36
09	6.89	10.79	19.13	5.68	7.68	M16 x 2.00	0.94	2.56	8.46	1.76	8.86	4.92	3.15
10	8.50	13.07	22.66	6.06	9.17	M20 x 2.00	1.06	3.46	9.84	1.76	10.71	6.22	4.33

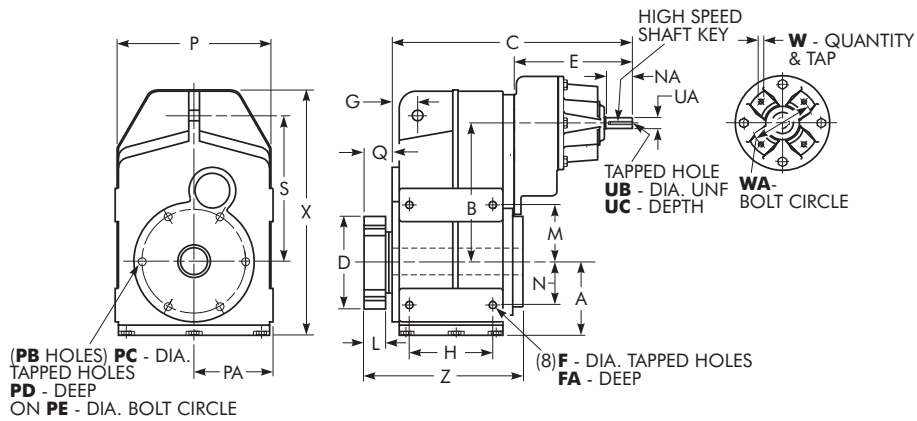
SIZE ★	P	PA	PB	PC	PD	PE	S	H.S. Shaft				W	WA	X	Z
								UA +.0000 -.0005	Key	UB	UC				
04	6.54	3.46	4	M8 x 1.25	0.55	5.12	6.69	0.6250	.20 x .20 x 1.28	1/4	0.49	4 x M8	3.54	11.10	8.27
06	8.90	4.65	6	M12 x 1.75	0.79	5.91	8.58	0.7500	.24 x .24 x 1.28	1/4	0.63	4 x M10	4.53	14.45	10.18
07	10.47	5.51	6	M12 x 1.75	0.79	5.91	10.94	0.9375	.31 x .31 x 1.28	5/16	0.63	4 x M12	5.71	17.68	11.82
08	12.60	6.69	8	M12 x 1.75	0.79	7.68	13.62	1.0938	.31 x .31 x 2.00	3/8	0.87	4 x M12	5.71	20.71	12.67
09	15.12	7.87	6	M16 x 2.00	1.06	9.06	15.55	1.3750	.31 x .31 x 2.40	1/2	1.10	4 x M16	6.89	24.09	15.77
10	17.87	9.25	10	M16 x 2.00	1.06	11.02	19.09	1.6250	.38 x .38 x 3.69	5/8	1.42	4 x M20	8.27	29.45	17.33

★ Refer to Page 6 for General Information and Reference Notes.

Type UJ Triple Reduction Gear Drive

Sizes 04-07 — Dimensions – Inches

BASIC GEAR DRIVE WITH TA TAPER BUSHING



SIZE ★	A	B	C	D	E	F	FA	G	H	L	M	N	NA
04	3.35	6.14	11.97	3.31	6.57	M10 x 1.50	0.67	1.26	3.54	1.26	2.38	1.97	1.57
06	4.33	8.15	14.25	4.06	6.97	M12 x 1.75	0.79	1.53	4.92	1.46	3.35	2.56	1.57
07	5.28	10.24	16.42	4.31	7.76	M16 x 2.00	0.98	1.89	5.91	1.46	4.52	3.35	1.57

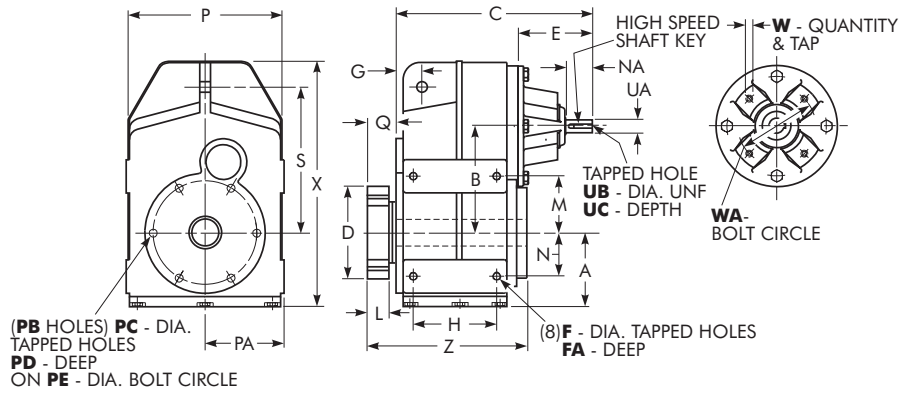
SIZE ★	P	PA	PB	PC	PD	PE	S	H.S. Shaft				W	WA	X	Z
								UA +.0000 -.0005	Key	UB	UC				
04	6.54	3.46	4	M8 x 1.25	0.55	5.12	6.69	0.6250	.20 x .20 x 1.28	1/4	0.49	4 x M8	3.54	11.10	8.27
06	8.90	4.65	6	M12 x 1.75	0.79	5.91	8.58	0.7500	.24 x .24 x 1.28	1/4	0.49	4 x M8	4.53	14.45	10.18
07	10.47	5.51	6	M12 x 1.75	0.79	5.91	10.94	0.9375	.31 x .31 x 1.28	1/4	0.63	4 x M10	5.71	17.68	11.82

★ Refer to Page 6 for General Information and Reference Notes.

Type UJ Triple Reduction Gear Drive

Sizes 08-10 — Dimensions — Inches

BASIC GEAR DRIVE WITH TA TAPER BUSHING



SIZE ★	A	B	C	D	E	F	FA	G	H	L	M	N	NA
08	5.83	8.90	15.47	4.81	5.71	M16 x 2.00	0.94	2.32	6.69	1.46	3.94	3.94	1.97
09	6.89	10.79	19.41	5.68	7.76	M16 x 2.00	0.94	2.56	8.46	1.76	8.86	4.92	2.36
10	8.50	13.07	22.74	6.06	9.25	M20 x 2.00	1.06	3.46	9.84	1.76	10.71	6.22	3.15

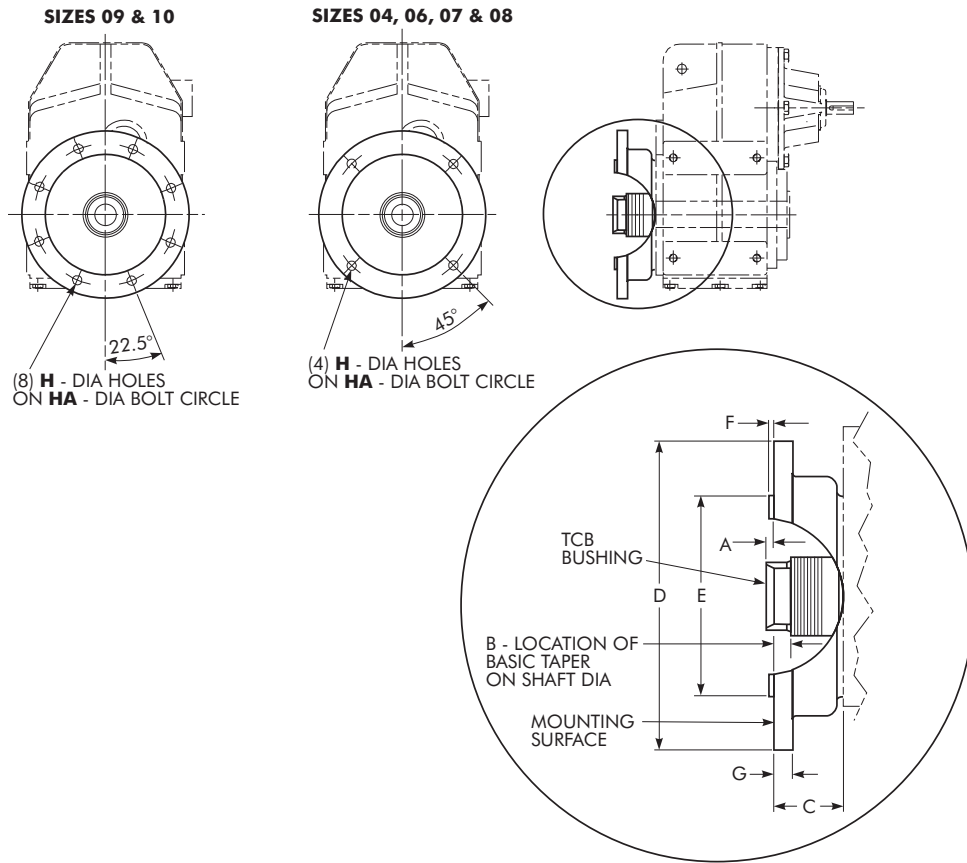
SIZE ★	P	PA	PB	PC	PD	PE	S	H.S. Shaft				W	WA	X	Z
								UA +.0000 -.0005	Key	UB	UC				
08	12.60	6.69	8	M12 x 1.75	0.79	7.68	13.62	1.0938	.31 x .31 x 1.28	5/16	0.63	4 x M12	5.71	20.71	12.67
09	15.12	7.87	6	M16 x 2.00	1.06	9.06	15.55	1.1250	.25 x .25 x 2.00	3/8	0.87	4 x M12	5.71	24.09	15.77
10	17.87	9.25	10	M16 x 2.00	1.06	11.02	19.09	1.3750	.31 x .31 x 2.40	1/2	1.10	4 x M16	6.89	29.45	17.33

★Refer to Page 6 for General Information and Reference Notes.

Type **UJ** Shaft Mounted Gear Drive

Sizes 04-10 — Dimensions — Inches

BASIC DRIVE WITH TCB BUSHING AND FLANGE MOUNTED



DRIVE SIZE ★	A ‡ Range	B	C	D	E	F	G	H	HA
04	-.397/- .186	0.44	1.772	7.87	5.12	0.14	0.47	0.43	6.50
06	-.088/+ .138	0.61	1.636	9.84	7.09	0.16	0.47	0.55	8.46
07	+.018/+ .265	0.64	1.636	9.84	7.09	0.16	0.47	0.55	8.46
08	-.393/- .105	0.92	1.970	13.78	9.84	0.20	0.71	0.71	11.81
09	-.432/- .145	1.11	2.207	17.72	13.78	0.20	0.79	0.71	15.75
10	-1.358/-1.066	1.42	2.581	17.72	13.78	0.20	0.87	0.71	15.75

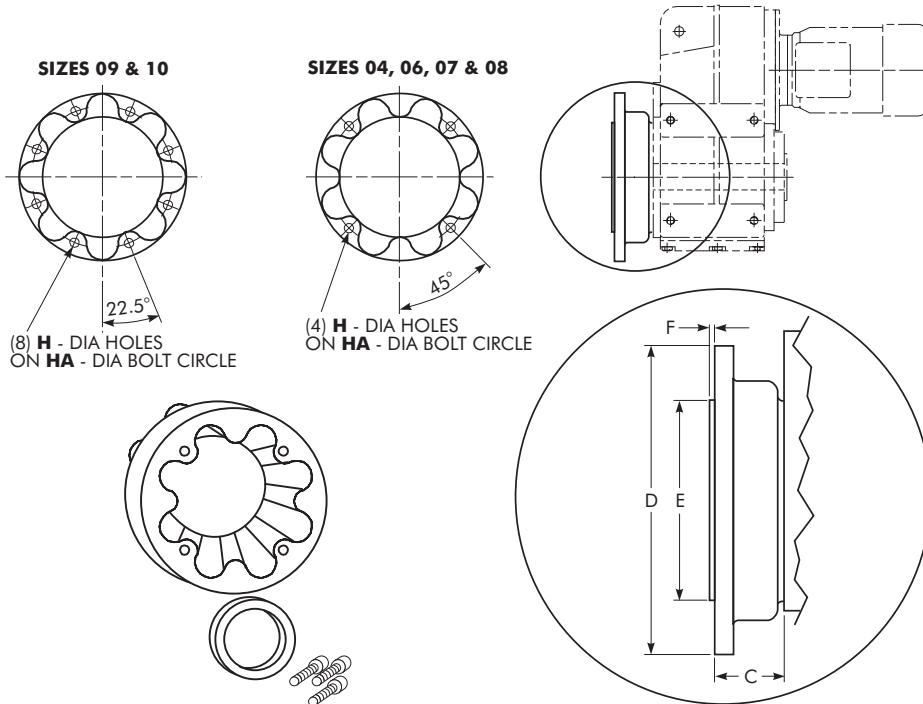
★ Refer to Page 6 for General Information and Reference Notes.

‡ Negative (-) dimension indicates that the TCB bushing is within the flange register diameter.

UJ – Accessories

Output Flange Kits

04UWF/UJF/UBF – Standard Output Flange



DIMENSIONS – INCHES

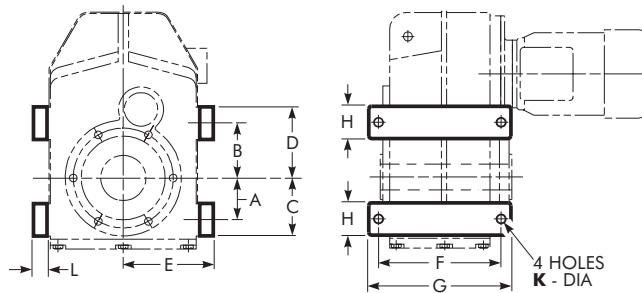
DRIVE SIZE ★	C	D	E	F	H	HA	Kit Part Number
04	1.772	7.87	5.12	0.14	0.43	6.50	1940548
06	1.636	9.84	7.09	0.16	0.55	8.46	1940550
07	1.636	9.84	7.09	0.16	0.55	8.46	1940550
08	1.970	13.78	9.84	0.20	0.71	11.81	1940551
09	2.207	17.72	13.78	0.20	0.71	15.75	1940552
10	2.581	17.72	13.78	0.20	0.71	15.75	1940779

★ Refer to Page 6 for General Information and Reference Notes.

Side Mounted Foot Kits

04UJD – Drive With Side Mounted Feet Left

04UJE – Drive With Side Mounted Feet Right



DIMENSIONS – INCHES

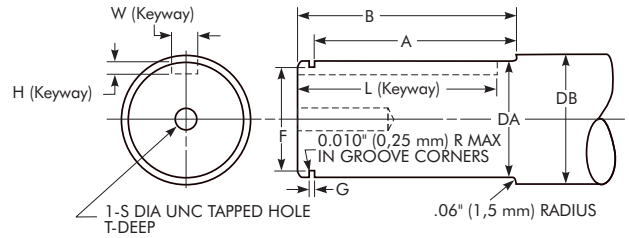
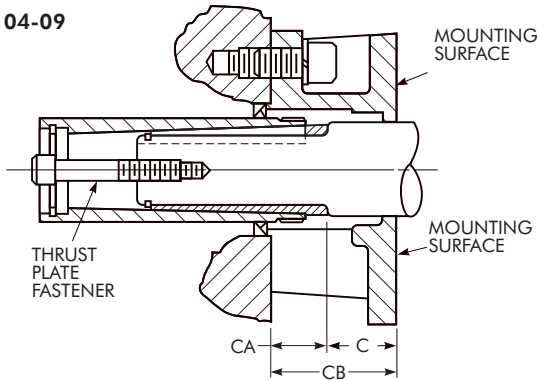
DRIVE SIZE ★	A	B	C	D	E	F	G	H	K	L	Kit Part Number
04	1.97	2.36	2.66	3.05	4.25	5.51	6.50	1.38	0.43	0.79	1940643
06	2.56	3.35	3.54	4.33	5.51	7.50	8.66	1.97	0.55	0.86	1940644
07	3.25	4.53	4.53	5.71	6.69	9.06	10.43	2.36	0.67	1.18	1940645
08	3.94	3.94	5.12	5.12	7.87	10.04	11.42	2.36	0.67	1.18	1940646
09	4.92	8.59	6.10	10.20	9.06	11.81	13.19	2.36	0.69	1.19	1940647
10	6.20	10.73	7.68	12.20	10.63	13.78	15.75	2.95	0.87	1.38	1940784

★ Refer to Page 6 for General Information and Reference Notes.

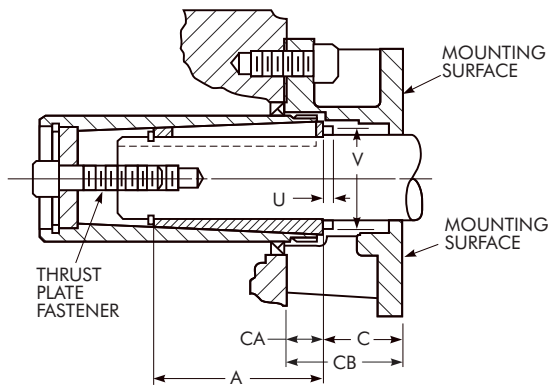
UJ – Accessories

Customer Shaft Using (TCB) Kit

SIZES 04-09



SIZE 10



DIMENSIONS – INCHES

DRIVE SIZE	Taper Conversion Bushing Kit ★	(TCB) Kit Part No.	A ± 0.010	B ± 0.030	C †	CA	CB	DA ‡	DB • +0.000 -0.003	Retaining Ring ■			Keyway ♦			S	T Min	Weld/Integral Flange		
										Groove		Mfg No.	Max O.D.	W	H			L Min	U	V
										F	G									
04	TCB4107/04UJ-1.438	0766041	4.780	5.000	2.625 2.414	1.375 1.586	4.000	1.4375	1.750	1.295 1.286	0.056 0.060	Spir O Lox RSN-137	1.500	0.375	0.1875	3.563	0.500-13	2.00	...	...
06	TCB4115/06UJ-1.938	0766042	5.330	5.500	2.452 2.226	1.548 1.774	4.000	1.9375	2.375	1.735 1.725	0.068 0.072	Spir O Lox RST-181	2.000	0.500	0.2500	4.000	0.500-13	2.00	...	...
07	TCB4203/07UJ-2.188	0766043	5.310	5.625	2.346 2.099	1.654 1.901	4.000	2.1875	2.625	1.951 1.941	0.086 0.091	Spir O Lox RSN-206	2.250	0.500	0.2500	4.625	0.625-11	2.00	...	...
08	TCB4207/08UJ-2.438	0766044	5.890	6.250	2.548 2.260	1.577 1.865	4.125	2.4375	3.000	2.290 2.278	0.056 0.060	Spir O Lox RS-236	2.500	0.625	0.3125	5.625	0.625-11	2.00	...	...
09	TCB4215/09UJ-2.938	0766045	6.860	7.125	2.475 2.188	1.775 2.062	4.250	2.9375	3.500	2.728 2.716	0.056 0.060	Spir O Lox RS-281	3.062	0.750	0.3750	5.875	0.875-9	2.50	...	...
10	TCB4307/10UJ-3.438	0766046	6.530	6.860	3.527 3.235	1.223 1.515	4.750	3.437	3.500	3.172 3.160	0.103 0.108	Spir O Lox RS-334	3.625	0.875	0.4375	6.750	1.000-8	2.50	0.375 ▲	4.250

★ Kit consists of: Bushing, thrust plate, fastener, key, retaining ring, and hardware.

† The range of C dimension is the variation which may occur due to axial compression and manufacturing tolerances.

‡ Shaft diameter tolerances are per AGMA as follows: to 1.50" = +.000", -0.004"; over 1.50" to & including 2.50" = +.000", -0.005"; over 2.50" to & including 4.00" = +.000", -0.006"; over 4.00" to & including 6.00" = +.000", -0.007"; over 6.00" to & including 6.50" = +.000", -0.008".

● If a lip type seal is used, a 32rms finish is recommended.

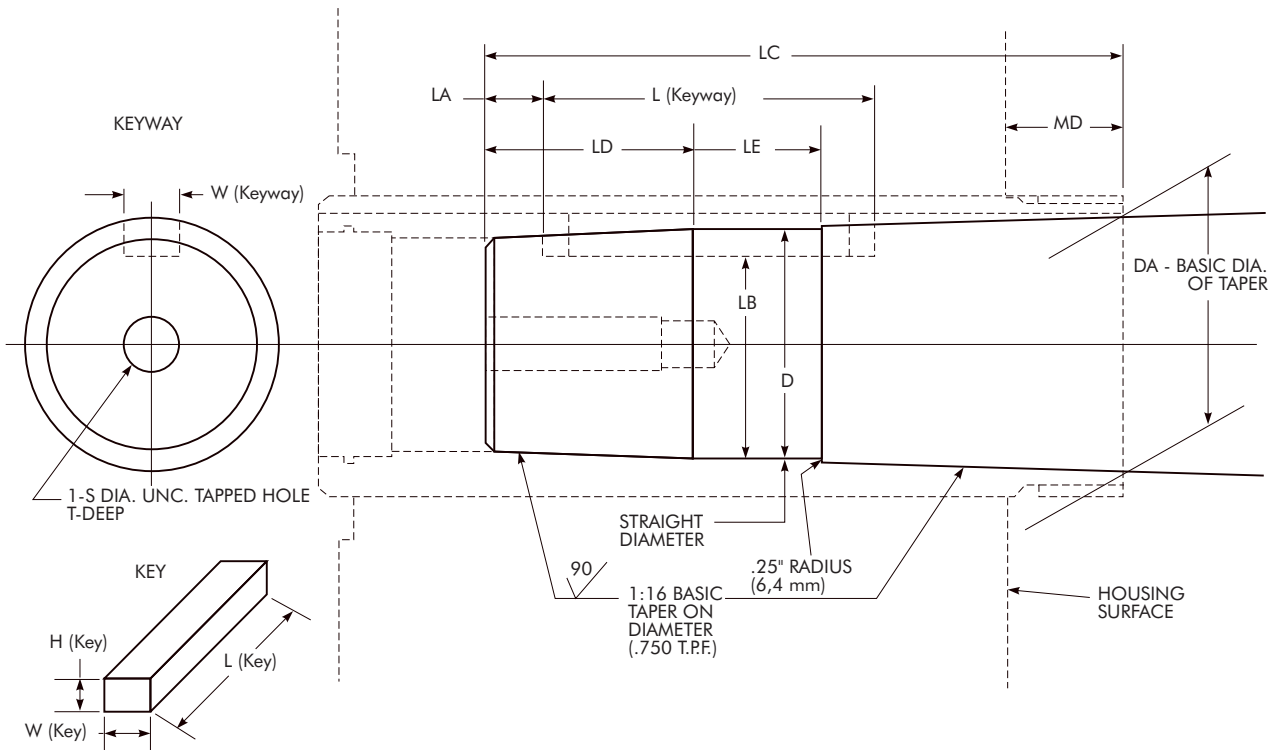
■ Smalley retaining rings may be used instead of Spir O Lox by substituting WS for RS, WST for RST or WSM for RSN.

♦ Keyway width tolerances are as follows: .312" to & including .500" = +.0025", -0.0000"; .500" to & including 1.000" = +.0030", -0.0000"; 1.000" to & including 1.500" = +.0035", -0.0000". Depth tolerance is +.010", -0.000".

▲ Maximum for use with packing gland seal.

UJ – Accessories

Tapered Drive Shaft Recommendations



DIMENSIONS – INCHES

DRIVE SIZE ★	Keyway		D ‡ +.000 -.005	DA	LA ±.030	LB +.000 -.010	LC +.040 -.000	LD	LE	MD ●	S	T Min	Key		
	W †	L ±.010											W	H	L
04	.375	2.875	1.614	1.825	.437	1.329	5.140	1.80	1.75	1.29	.500-13	2.00	.375	.375	2.50
06	.500	3.250	2.173	2.357	.500	1.902	5.920	2.98	1.50	1.11	.500-13	2.00	.500	.375	2.75
07	.500	3.750	2.425	2.620	.500	2.153	5.550	2.39	1.50	1.10	.625-11	2.00	.500	.375	3.25
08	.625	4.875	2.725	2.920	.625	2.416	6.490	3.37	2.00	1.11	.625-11	2.00	.625	.438	4.25
09	.750	4.250	3.258	3.500	.750	2.923	7.795	3.93	2.00	1.19	.875-9	2.50	.750	.500	3.50
10	.875	5.875	3.878	4.100	.875	3.413	8.320	4.77	2.04	1.27	1.000-8	2.75	.875	.625	5.00

★ Dimensions are for reference only and are subject to change without notice unless certified.

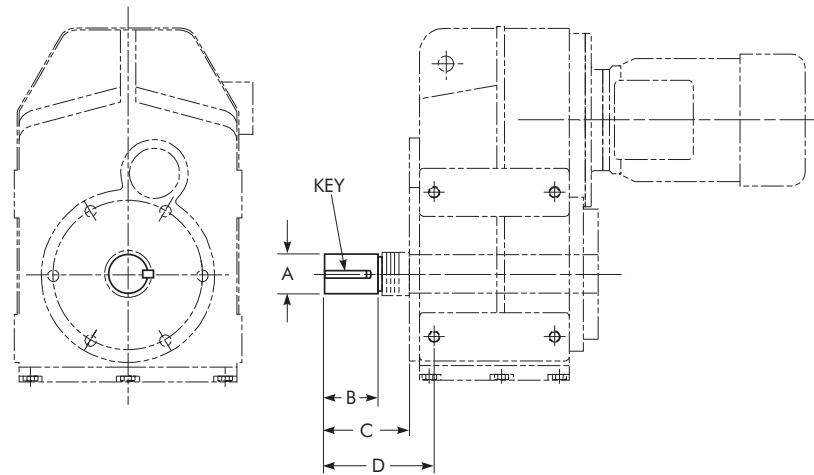
† Keyway width tolerances are as follows: .375" to and including .500" = +.0025", -.0000"; .625" to and including 1.000" = +.0030", -.0000"; 1.250" to and including 1.500" = +.0035", -.0000".

‡ Straight diameter is used to aid in measurement and manufacture of the keyway.

● Dimension "MD" will vary slightly depending upon compression during installation.

UJ – Accessories

Output Shaft Kit (Stub Shaft)



DIMENSIONS – INCHES

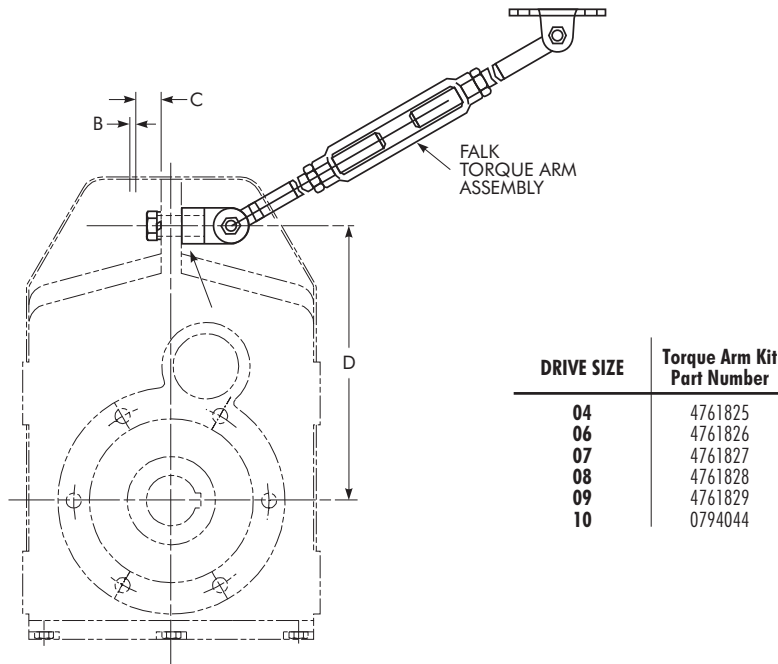
DRIVE SIZE ★	A †	B	C	D	Key	Kit Part Number
04	2.0000	3.50	4.92	5.75	.50 x .50 x 2.75	4761830
06	2.5000	4.37	5.51	6.54	.62 x .62 x 3.50	4761832
07	2.7500	4.81	5.92	7.02	.62 x .62 x 4.00	4760834
08	3.000	5.25	6.41	7.67	.75 x .75 x 4.75	4761836
09	3.500	6.14	7.28	8.58	.87 x .87 x 5.50	4761838

★ Refer to Page 6 for General Information and Reference Notes.

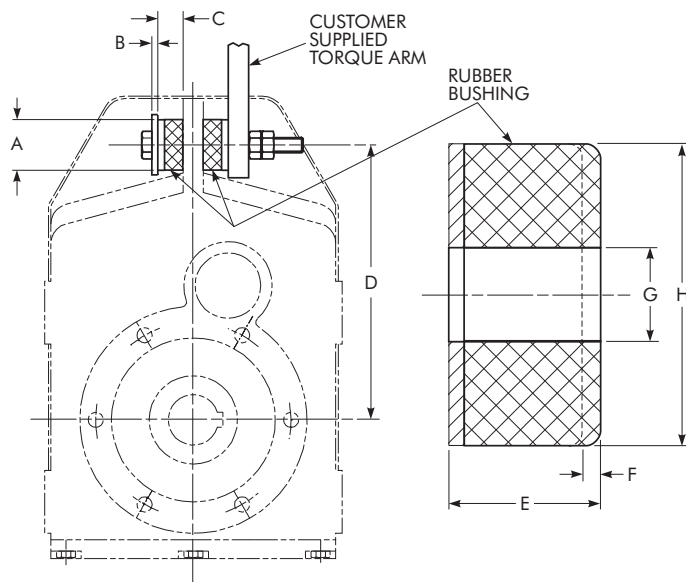
† Shaft diameters under 3.0000" are held to limits of +.0000", -.0005".
Shaft diameters 3.000" and over are held to limits of +.000, -.001".

UJ – Accessories

Torque Arm



Rubber Bushing Kit



DIMENSIONS – INCHES

DRIVE SIZE ★	A	B	C	D	E	F	G +.00 -.02	H	Rubber Bushing Kit Part Number
04	1.57	0.20	0.79	6.69	0.79	0.06	0.51	1.57	1940649
06	1.57	0.20	0.79	8.58	0.79	0.09	0.51	1.57	1940649
07	2.36	0.39	1.18	10.94	1.18	0.12	0.85	2.36	1940650
08	2.36	0.39	1.18	13.62	1.18	0.16	0.85	2.36	1940650
09	3.15	0.47	1.57	15.55	1.57	0.15	1.00	3.15	1940651
10	3.15	0.47	1.57	19.09	1.57	0.24	1.00	3.15	1940651

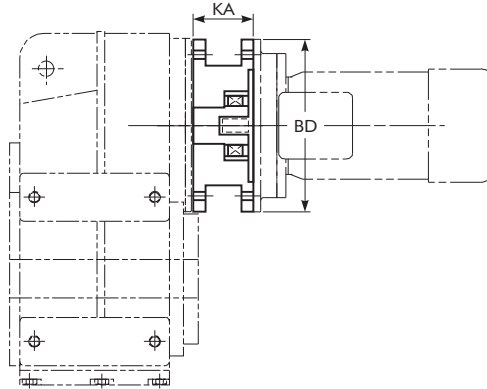
★ Refer to Page 6 for General Information and Reference Notes.

UJ – Accessories

Gearmotor Backstop Module

Gearmotor backstop modules can be fitted between the gear drive and motor. The backstop device incorporates high quality centrifugal lift off sprags which are wear free above the lift off speed (rpm). To ensure correct operation motor speed must exceed lift off speed. Suitable for ambient temperatures of -40°F to 122°F (-40°C to 50°C). When a backstop module is furnished, dimension K should be added to the overall length of the gearmotor assembly.

Low speed shaft rotation must be specified when ordering as viewed from the low speed shaft end.



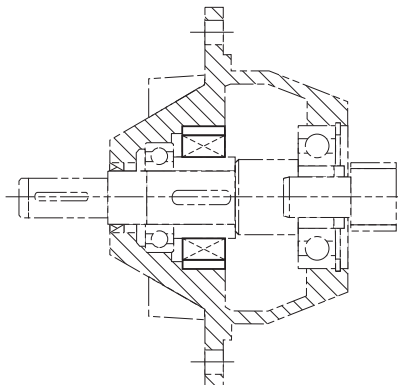
DIMENSIONS – INCHES (NEMA C Flange)

Motor Frame Size	Lift Off Speed (rpm)	Rated Locking Torque Max at Motor (lb-in)	BD	KA	Kit Part Number
182TC / 184TC	670	2655	9.00	3.75	1940888
213TC / 215 TC	670	2655	9.00	3.75	1940889
254TC / 256TC	620	8320	9.00	4.75	1940890
284TC / 286TC	620	8320	11.00	5.38	1940891
324TC / 326TC	550	11150	13.00	6.00	1940892

Gear Drive Backstop Module

The gear drives listed below can be fitted with an internal backstop, this has no effect of the external drive size. The backstop device incorporates high quality centrifugal lift off sprags which are wear free above the lift off speed (rpm). Suitable for ambient temperatures of -40°F to 122°F (-40°C to 50°C).

Low speed shaft rotation must be specified when ordering as viewed from the low speed shaft end.



DIMENSIONS – INCHES

DRIVE SIZE	Lift Off Speed (rpm)	Rated Locking Torque Max at HSS (lb-in)	Kit Part Number
06	800	885	Consult Falk
07	670	1504	
08	670	1504	
09	670	2655	
10	670	2655	

UJ – Approximate Shipping Weights – lb

DRIVE SIZE	Motor Frame Size																											
	56C		143TC		145TC		182TC		184TC		213TC		215TC		254TC		256TC		284TC		286TC		324TC		326TC			
	Shaft Mount Gearmotor Without Motor																											
	Base	Flange	Base	Flange	Base	Flange	Base	Flange	Base	Flange	Base	Flange	Base	Flange	Base	Flange	Base	Flange	Base	Flange	Base	Flange	Base	Flange	Base	Flange		
04UJ2	51	54	51	54	51	54	53	56	53	56																		
04UJ3	59	62	59	62	59	62																						
06UJ2	104	105	104	105	104	105	119	120	119	120	119	120	119	120														
06UJ3	118	119	118	119	118	119	120	121	120	121																		
07UJ2	167	170	167	170	167	170	180	183	180	183	180	183	180	183	180	183												
07UJ3	186	189	186	189	186	189	201	204	201	204	201	204	201	204														
08UJ2	251	271	251	271	251	271	251	271	251	271	251	271	251	271	251	271												
08UJ3	253	273	253	273	253	273	266	286	266	286	266	286	266	286														
09UJ2	...	...	...	...	...	...	355	379	355	379	355	379	355	379	371	379	371	395	371	395	377	401	377	401	380	404
09UJ3	387	411	387	411	387	411	387	411	387	411	387	411	387	411														
10UJ2	...	...	...	...	...	...	527	567	527	567	527	567	527	567	546	586	546	586	550	590	550	590	554	594	554	594
10UJ3	...	...	...	...	...	...	568	608	568	608	568	608	568	608	585	625	585	625	590	630	590	630	594	634	594	634
DRIVE SIZE	Shaft Mount Gearmotor With Motor																											
	Base	Flange	Base	Flange	Base	Flange	Base	Flange	Base	Flange	Base	Flange	Base	Flange	Base	Flange	Base	Flange	Base	Flange	Base	Flange	Base	Flange	Base	Flange		
04UJ2	76	79	81	84	91	94	108	111	130	133																		
04UJ3	84	87	89	92	99	102																						
06UJ2	129	130	134	135	144	145	174	175	196	197	235	236	276	296														
06UJ3	143	144	148	149	158	159	175	176																				
07UJ2	192	195	197	200	207	210	235	238	257	260	296	299	337	340	486	489	463	466										
07UJ3	211	214	216	219	226	229	256	259	278	281																		
08UJ2	276	296	281	301	291	311	306	326	328	348	367	387	408	428	557	577	534	554										
08UJ3	278	298	283	303	293	313	321	341	343	363	382	402																
09UJ2	...	...	...	...	...	...	410	434	432	456	471	495	512	536	677	701	654	678	806	830	823	847	903	927	1030	1054
09UJ3	412	436	417	441	407	451	442	466	464	488																		
10UJ2	...	...	...	...	...	...	582	622	604	644	643	683	684	724	852	892	829	869	979	1019	996	1036	1077	1117	1204	1244
10UJ3	...	...	...	...	...	...	623	663	645	685	684	724	725	765	891	931	868	908	1019	1059	1036	1076	1117	1157	1244	1284

DRIVE SIZE	Shaft Mount Gear Drive	
	Base	Flange
04UJ2	46	49
04UJ3	53	56
06UJ2	104	105
06UJ3	113	114
07UJ2	171	174
07UJ3	187	190
08UJ2	243	263
08UJ3	258	278
09UJ2	359	383
09UJ3	378	403
10UJ2	550	590
10UJ3	572	612

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AUSTRALIA

Rexnord Australia Pty. Ltd.
Picton, New South Wales
Phone: 61-2-4677-3811
Fax: 61-2-4677-3812

BRAZIL

Rexnord Correntes Ltda.
Sao Leopoldo - RS
Phone: 55-51-579-8022
Fax: 55-51-579-8029

CANADA

Rexnord Canada Ltd.
Scarborough, Ontario
Phone: 1-416-297-6868
Fax: 1-416-297-6873

CHINA

Rexnord China
Shanghai, China
Phone: 86-21-62701942
Fax: 86-21-62701943

EUROPE

Rexnord NV/SA
Mechelen, Belgium
Phone: 32-15-443811
Fax: 32-15-443860

Rexnord Kette GmbH
Betzdorf, Germany
Phone: 49-2741-2840
Fax: 49-2741-284-385

LATIN AMERICA

Rexnord International, Inc.
Milwaukee, Wisconsin
Phone: 1-414-643-2366
Fax: 1-414-643-3222
E-mail: international2@rexnord.com

MEXICO

Mecanica Falk S.A. de C.V.
Mexico, D.F. 02300
Phone: 52-55-9140-3500
Fax: 52-55-9140-3550

SINGAPORE

Rexnord International, Inc.
Singapore City, Singapore
Phone: 65-6338-5622
Fax: 65-6338-5422

UNITED STATES

Customer Service
Phone: 1-866-REXNORD
(1-866-739-6673)
Fax: 1-614-675-1898
E-mail: [rexnordcs\(state\)@rexnord.com](mailto:rexnordcs(state)@rexnord.com)
Example: rexnordcsohio@rexnord.com

ALL COUNTRIES NOT LISTED

Rexnord International
Milwaukee, Wisconsin
Phone: 1-414-643-2366
Fax: 1-414-643-3222
E-mail: international1@rexnord.com

