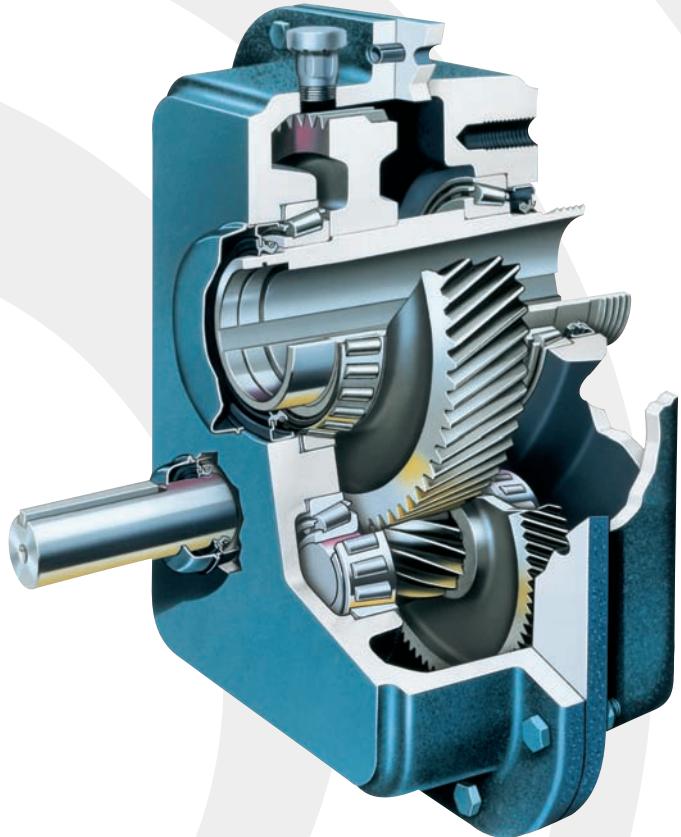


Falk™ Quaddrive® Shaft Mounted Drive | Interchange Guide



 **MALLOY**

The Malloy logo features a stylized icon of two interlocking gears with a red curved arrow indicating rotation, followed by the word "MALLOY" in a bold, red, serif font.

REXNORD

The Rexnord logo consists of the word "REXNORD" in a bold, black, sans-serif font, with a red, stylized gear icon integrated into the letter "O".

Falk Quaddrive – Easiest On, Easiest Off...Guaranteed

It's a simple fact. The heavy duty, shaft-mounted Falk Quaddrive features a completely unique design that makes it the easiest, quickest shaft-mounted drive to install and remove.

Quaddrive is built to stand up to continuous rough duty. And now, with new higher ratings, you may be able to downsize the drive, saving money right up front.

The Falk TA Taper Bushing design makes sure that drive removal is not only simple, but don't damage the drive, or driven equipment.

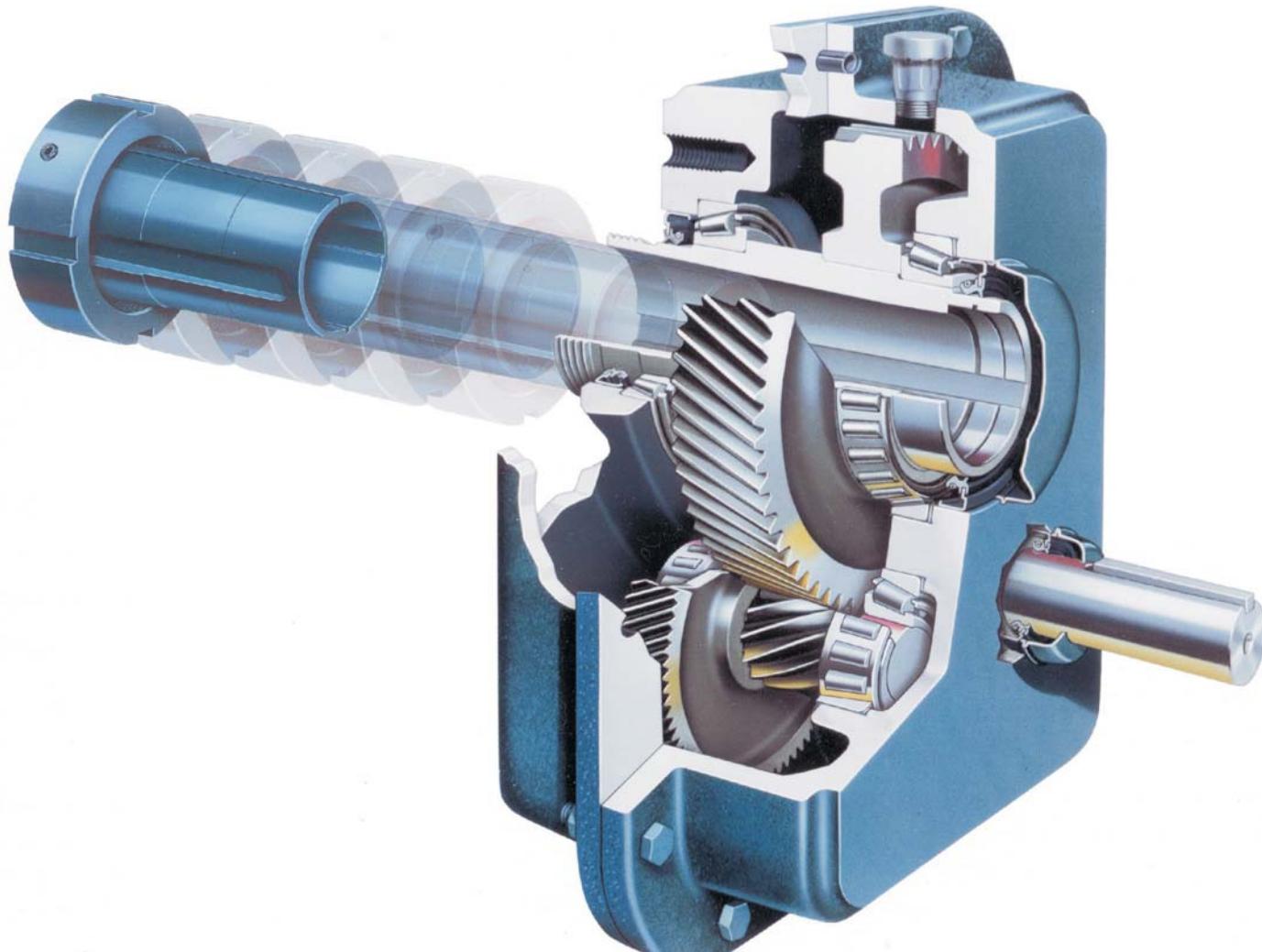
You don't need extra time. You don't need extra tools.

And you're assured safe, worry-free operation.

In a game where there are so few sure things, Falk Quaddrive is the right shot to take.

Lifetime Removal Guarantee

Due to the unique properties of the TA Taper Bushing, Quaddrive is guaranteed to come off the shaft, regardless of length of service or operation conditions, or we'll replace it FREE. That's a promise no other shaft-mounted drive can make.



Interchange Guide 371-810, March 2006

Contents

Introduction	3
Features & Benefits	4-5
Competitive Comparison and Interchangeability Guide	6-7
Nomenclature.	8-9
Engineering Information.	10-11

THREE YEAR



HEAVY DUTY WARRANTY

Factory Warranty We're so confident in the performance and reliability of these Falk gear drives that we're backing this comprehensive offering with the best standard warranty in the business. Our full, 3-year Heavy-Duty Warranty provides "shaft-to-shaft" protection on all Falk components – including bearings and seals. It's an industry first... and one more powerful reason why Rexnord is your ultimate bottom-line value. ★

★ Warranty extends for 3 years from date of shipment.

Introduction

How to Make an Interchange

Example 1: Your customer wants to replace a Dodge TXT 425 with a taper bushed design. However, the available driven shaft length (2 7/16" diameter) is only 6 1/2". Select a Falk Quaddrive replacement drive.

Step 1 — From Page 7, Table 1, a Size 5207J with a 25:1 nominal ratio is the correct interchange for a Dodge Size 4.

Step 2 — For a Size 5207JR shaft mounted drive a 2 7/16" TA Taper bushing requires a minimum 6.11 inch driven shaft length. Your customer will require a new sheave or sheave bushing (1.5" diameter vs. 1.437" diameter high speed shaft) and may need to adjust the motor and tie rod position.

Step 3 — Components Required:

5207J25A Basic Drive	PN 0794381
BU4207J Bushing 2.438	PN 0769105
TR4207J Tie Rod	PN 0738515

Optional Accessories (which can be factory installed):

BS4207J25 Backstop	PN 0738517
MM4207J-1 Motor Mount.	PN 0738718
Belt Guard	PN 0783738

Copyright 1991, 2006. Rexnord Industries, LLC. All Rights Reserved. Litho in USA.
FALK, LIFFLIGN, OMNIBOX, QUADRIVE, RENEW, REXNORD, ULTRAMITE, STEELFLEX, and TA TAPER are registered trademarks. The following are registered trademarks of the companies presented: Dodge, Browning, Foote-Jones, Link Belt, Dorris, Leroy Somer and Sumitomo/Fenner. The contents of this selection guide are subject to change without notice or obligation. Information contained herein should be confirmed before placing orders.

Features & Benefits

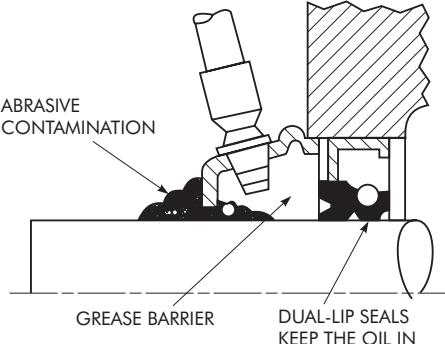
Quaddrive is the fifth generation of heavy duty shaft mounted drives from Falk. Built for exceptional value, the Quaddrive benefits from the latest in manufacturing and design technology.

The Economic Advantage Cellular manufacturing and modular components result in low drive costs. And the TA Taper bushing design means a simple, cost-effective installation.

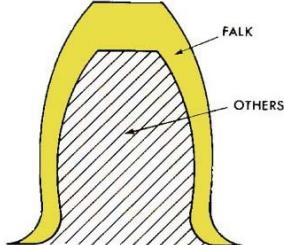
Honest Warranty A three year heavy duty warranty which includes all bearings and seals — the best in the industry!

Standard Bearings & Viton Seals with published manufacturers' numbers are available locally to minimize replacement downtime.

Severe-Duty Grease Purged Seals on high speed shafts prevent leakage and subsequent drive failure. A grease barrier traps abrasive contaminants before they can groove the shaft or enter the gear drive.



Traditional Long Life Gearing Falk's high hardness, surface finished, helical design features large teeth and wider face for maximum load carrying capacity.



"Torque Assist" TA Taper Bushing

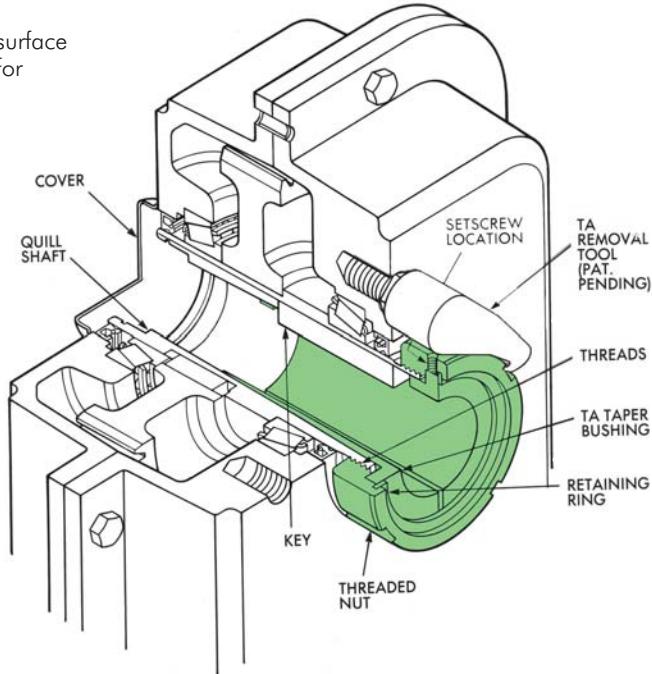
- Unique torque assist design provides easiest removal. Fast installation too!
- Eliminates binding common to twin-taper and single-flanged bushings.
- Concentric operation minimizes wobble even on worn shafts.
- Quill cover keeps out contaminants and protects outboard low speed shaft seal.
- Minimal shaft engagement requirement allows for easy retrofits.
- Inboard bushing location saves high speed bearings by minimizing sheave overhang.

Easiest On . . .

To Install, simply place the TA Taper bushing assembly onto the driven shaft. Slide the drive onto the bushing and tighten the threaded nut and setscrew. Falk's TA Taper design provides a uniform draw onto the taper with less difficulty than twin-taper or single-flanged bushings.

. . . And Easiest Off!

To remove, loosen the bushing setscrew, back off the bushing nut and the drive dismounts. It's that easy . . . only with Falk! In fact, Falk's Quaddrive is guaranteed to come off the shaft, regardless of length of service or operating conditions, or WE'LL REPLACE IT FOR FREE!





Not all shaft mounted drives are created equal; when it comes down to ruggedness, life expectancy, cost, and accessories... Falk is the industry leader. Couple these features with the TA Bushing system and you have a real winner! But the really big difference is how they mount to your headshaft.

Compare Mounting Benefits:

Falk's simple, yet highly effective, single tapered bushing, mounted on the output side of the drive with the others you have been using or are considering.

- **NO** cap screws to tighten, lose, torque, corrode in place, or break off when trying to remove them.
- **NO** numerous snap rings, "stabilizer" sleeves or bronze bushings to install, lose, or break.
- **NO** worries about having enough head shaft extension, since only the length of the Falk TA Taper Bushing needs to be engaged.
- **NO** special tools are required to install or remove your Quaddrive. Readily available pipe and spanner wrenches are already in your tool room. You don't even need a torque wrench!
- **NO** large mounting distances from your head shaft bearings are required. Since there are no axial cap screws to tighten, the Falk Quaddrive can be positioned right next to the headshaft bearing, reducing overhung loads.
- **NO** additional "lifts" will be required when installing; Falk's Quaddrive is unique, in that you can install your sheaves, belts, motor mount, motor and belt guard before installing the drive. This will allow you to complete the whole installation with one lift to the headshaft. Your installer only needs to take the TA Taper Bushing, key and a pipe or spanner wrench up to install the drive. (Your maintenance people will thank you on those cold, windy days, 80 feet off the ground!)

The Falk Quaddrive starts out with Falk's exclusive **3-year Heavy Duty Warranty**, which by the way, **includes oil seals and bearings — a true, shaft to shaft drive warranty!** Falk's unique TA Torque Assist Taper Bushing System eliminates binding found with twin-taper and single-flange bushing designs. Concentric operation minimizes wobble, even on worn shafts. A quill cover keeps contaminants out and protects the outboard shaft seal. The inboard bushing location minimizes sheave overhang, reducing overhung load on high-speed bearings. Minimal shaft engagement is required for retrofits.

Using **Standard Bearings and Seals, with published part numbers, and Falk's TA Torque Assist Taper Bushing System**, you are getting the best drive available. Standard high speed severe duty grease-purged seals are also included. They prevent leakage and ultimate drive failure. The grease barrier traps abrasive contaminants **before** they can groove the shaft or enter the drive.

Assemble your sheaves, belts, motor mount, motor, align them properly, add a belt guard and the lubricating oil **all in your shop!** Take your TA Taper Bushing and shaft key, along with your pipe or spanner wrench, out to the job-site and install your new Falk Quaddrive. Hook up your motor and torque arm and you are ready to start running product! It couldn't be easier!

What happens when this particular drive has been running for 5 or 6 years and the head shaft bearing behind the drive fails? Is it going to take 2 or 3 hours to get the drive off, so you can get at that bearing? Not with a Falk Quaddrive! Disconnect your drive motor, loosen the bushing setscrew, take your pipe or spanner wrench and back off the bushing nut. The Falk Quaddrive will disengage itself immediately...**Falk's Quaddrive is guaranteed to come off the shaft, regardless of length of service or operating conditions, or we'll replace it — FREE!**



Let's look at how the "others" install their drives:

Dodge TXT

- ◆ The drive is mounted between two opposing tapered bushings.
- ◆ The minimum distance from the head shaft bearing required for cap screw clearance ranges from $1\frac{1}{4}$ " to $2\frac{11}{16}$ ".
- ◆ The head shaft must extend completely through the drive to engage the second bushing.
- ◆ Cap screws in both bushings must be set to the proper torque to complete installation.
- ◆ Installation of sheaves, belts, and belt guard must be done after the drive is installed on the headshaft.



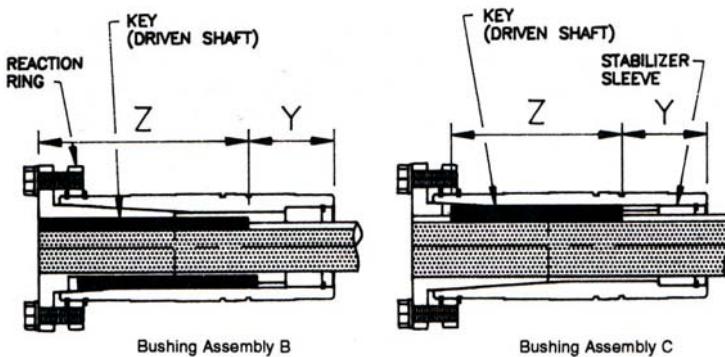
Dodge TAII

- ◆ Torque Arm II shaft mounts still use dual opposing 8° ductile iron taper bushings.
- ◆ New with this drive is the "Short-Shaft Twin Taper Bushing Kit" which consists of:
 - ✓ One standard bushing
 - ✓ One long bushing with insertable wedge
 - ✓ Two back-up plates, with snap rings
 - ✓ Hardware and key
- ◆ Housings—Still use cast iron for all sizes.
- ◆ All new motor mounts, backstops, CEMA bolt-on-adapters, and tapered screw conveyor shafts. None of these accessories are compatible with the previous TXT, SCXT, HXT, or HSCXT model drives.
- ◆ Installation of sheaves, belts, and belt guard must **STILL** be done **after** the drives are installed on the headshaft.
- ◆ Another system, using multiple small components, which can easily be misplaced, dropped, and/or lost.



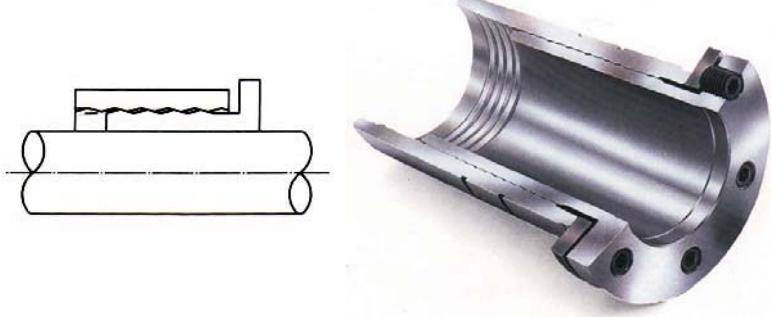
Browning

- ◆ The Browning drive is mounted with a single tapered bushing from the low speed (output) side.
- ◆ Requires a long head shaft extension to fully engage the bushing.
- ◆ A minimum distance is required for installation and removal of bushing axial retaining cap screws. Cap screws must be set to the proper torque to finish installation.
- ◆ Now the installation of sheaves, belts, and belt guard can begin.



Link-Belt

- ◆ The Link-Belt drive is mounted with a single tapered bushing from the high speed (input) side.
- ◆ Requires stabilizer sleeves, bronze bushings and numerous snap ring installations before the drive is ready to mount. (There are numerous small parts to drop and/or lose.)
- ◆ Cap screws must be set to the proper torque to tighten bushing and finish installation.
- ◆ Now the installation of sheaves, belts, and belt guard can begin.



Fenner

- ◆ The Fenner drive is mounted with a single, modified keyless, tapered bushing from either input or output side.
- ◆ The bushing must be screwed into the drive and then cap screws are inserted, tightened and torqued to specifications. If the bushing is inserted from the output side, axial clearance is required. If the bushing is installed from the input side, mounting the sheaves, belts, and belt guard needs to be installed after the cap screws are torqued down.

Table 1 — Selections Based Upon 1.0 Service Factor

HP & RPM	Falk 5000	Falk 4000	Browning	Dodge TXT	Dodge TA II	Sumitomo/ Fenner	Link Belt	Dorris
5hp/15rpm	5207J25A	4207J25C	207SMT25	TXT425	TA4207H25	215 G	207FX25	215TR
10hp/20rpm	5215J25A	4215J25C	215SMT25	TXT525	TA5215H25	307 H	215FX25	307TR
15hp/20rpm	5307J25A	4307J25C	307SMT25	TXT625	TA5215H25	315 J	307FX25	315TR
25hp/20rpm	5315J25A	4315J25C	315SMT25	TXT725	TA7315H25	407 S	315FX25	407TR
40hp/24rpm	5407J25A	4407J25C	407SMT25	TXT825	TA8407H25	415 K	407FX25	407TR
60hp/30rpm	5415J25A	4415J25C	415SMT25	TXT926	TA8407H25	507 L	415FX25	415TR
75hp/30rpm	5507J25A	4507J25C	507SMT25	TXT1024	TA9415H25	507 L	507D24	507TR
100hp/18rpm	5608J25A	4608J25C	608SMT25	TXT1225	TA12608H25	N/A	608D24	700TR

Table 2 — AGMA Size Comparison

Max Bore (in)	AGMA	Falk 5000	Falk 4000	Browning	Dodge TXT	Doge TA II	Sumitomo/ Fenner	Link Belt	Dorris
1 7/16	107	5107J	4107J	107SMT	TXT1	TA0107	107 C	107FX	107TR
1 15/16	115	5115J	4115J	115SMT	TXT2	TA2115	115 D	115FX	115TR
2 3/16	203	5203J	4203J	203SMT	TXT3	TA3203	203 E	203FX	203TR
2 7/16	207	5207J	4207J	207SMT	TXT4	TA4207	207 F	207FX	207TR
2 15/16	215	5215J	4215J	215SMT	TXT5	TA5215	215 G	215FX	215TR
3 7/16	307	5307J	4307J	307SMT	TXT6	TA6307	307 H	307FX	307TR
3 15/16	315	5315J	4315J	315SMT	TXT7	TA7315	315 J	315FX	315TR
4 7/16	407	5407J	4407J	407SMT	TXT8	TA8407	407 S	407FX	407TR
4 15/16	415	5415J	4415J	415SMT	TXT9	TA9415	415 K	415FX	415TR
5 7/16	507	5507J	4507J	507SMT	TXT10	TA10507	507 L	507D	507TR
6 1/2	608	5608J	4608J	608SMT	TXT12	TA12608	608 M	608D	608TR

Table 3 — Minimum Recommended Shaft Engagements (Inch)

AGMA Sizes	Falk	Browning	Dodge TXT	Dodge TA II	Dodge TA II Short Shaft Bushing	Sumitomo/Fenner	Link Belt	Dorris
107	5.00	6.125	8.344	6.95	4.42	5.551	4.880	6.25
115	5.55	6.625	8.563	7.81	4.79	6.142	5.180	6.88
203	5.53	7.125	10.281	8.62	5.45	6.653	5.960	7.88
207	6.11	7.625	11.500	8.94	5.64	7.165	6.900	8.38
215	7.08	8.250	12.031	10.33	6.35	8.425	7.910	9.00
307	7.39	9.750	13.313	10.84	6.70	9.409	8.960	11.00
315	7.92	11.063	14.875	11.86	7.63	9.606	9.680	11.00
407	8.38	10.500	16.126	12.81	8.11	10.345	10.800	13.50
415	10.33	12.875	16.844	13.75	8.55	11.693	11.800	14.88
507	10.66	14.500	17.781	15.47	9.66	13.583	13.500	15.50
608	12.75	15.250	21.156	18.33	11.50	15.551	15.250	20.25

Shaded values show where cost savings can be achieved.

Table 4 — Oil Capacity Comparison (U.S. Quarts) – Horizontal Mounting w/HS Shafts @ 12:00 o'clock Position

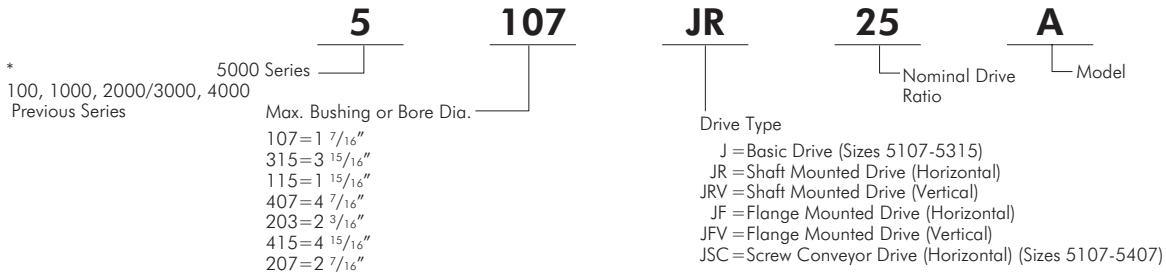
FALK ♦	Quarts	Browning	Quarts	Dodge TXT	Quarts	Dodge TA II	Quarts	Sumitomo/Fenner	Quarts	Link Belt	Quarts	Dorris	Quarts
5107J25A	2.0	107SMT25	1.00	TXT125	0.750	TA1107H	1.7	107 C	0.63	107FX25	1.00	107TR25	1.50
5115J25A	3.0	115SMT25	1.25	TXT225	1.000	TA2115H	2.6	115 D	1.27	115FX25	1.25	115TR25	3.00
5203J25A	3.5	203SMT25	3.00	TXT325	2.125	TA3203H	4.0	203 E	1.90	203FX25	2.00	203TR25	3.75
5207J25A	5.5	207SMT25	3.50	TXT425	1.750	TA4207H	7.3	215 G	3.59	207FX25	3.50	207TR25	4.25
5215J25A	9.0	215SMT25	5.50	TXT525	4.000	TA5215H	12.9	307 H	5.28	215FX25	5.00	215TR25	7.00
5307J25A	13.0	307SMT25	8.00	TXT625	5.000	TA6307H	15.8	315 J	11.62	307FX25	10.25	307TR25	12.25
5315J25A	15.0	315SMT25	10.00	TXT725	9.250	TA7315H	22.0	407 S	15.32	315FX25	12.00	315TR25	15.50
5407J25A	17.2	407SMT25	12.50	TXT825	8.500	TA8407H	25.1	415 K	25.36	407FX25	17.50	407TR25	18.50
5415J25A	28.0	415SMT25	16.00	TXT926	14.250	TA9415H	33.2	507 L	26.42	415FX25	16.50	415TR25	34.00
5507J25A	41.2	507SMT25	22.00	TXT1024	18.750	TA10507H	53.5	507 L	26.42	507D24	22.00	507TR25	38.00
5608J25A	100.0	608SMT25	33.00	TXT1225	36.500	TA12608H	70.7	N/A	N/A	608D24	30.00	608TR25	N/A

♦ Falk's oil level ensures bearings are lubricated during start-up.

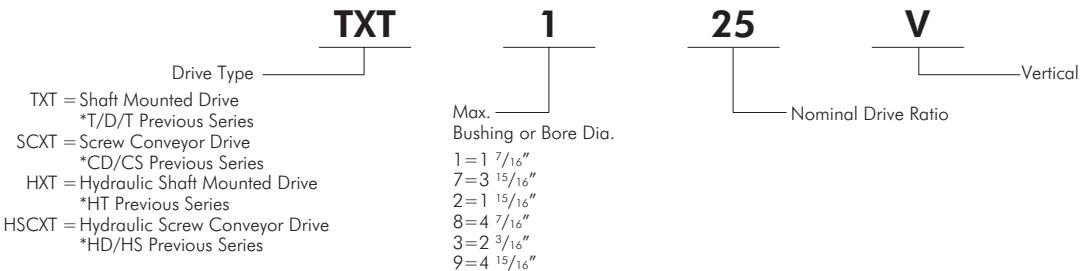


Nomenclature Guide

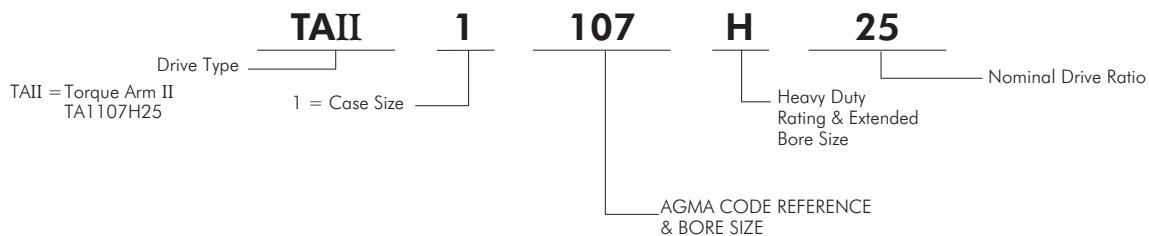
FALK QUADRIVE



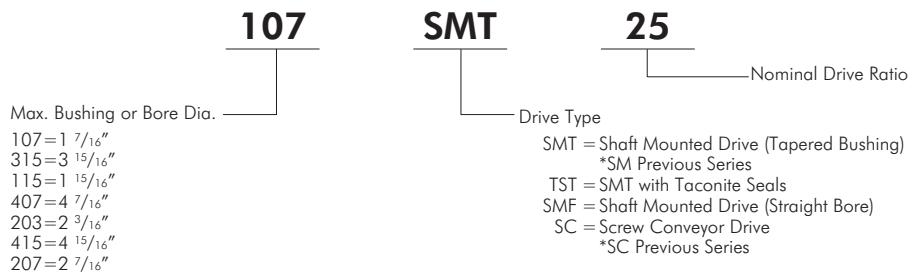
DODGE



DODGE TORQUE ARM II

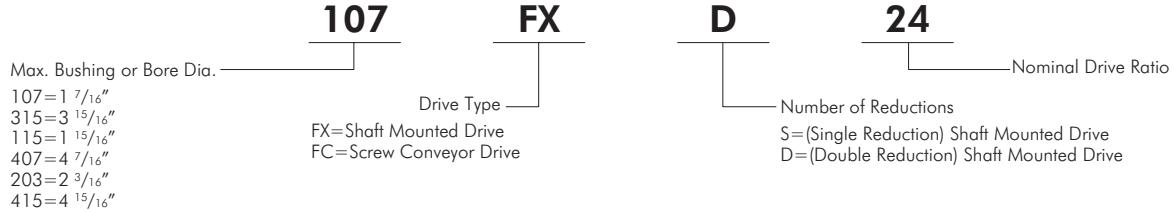


BROWNING

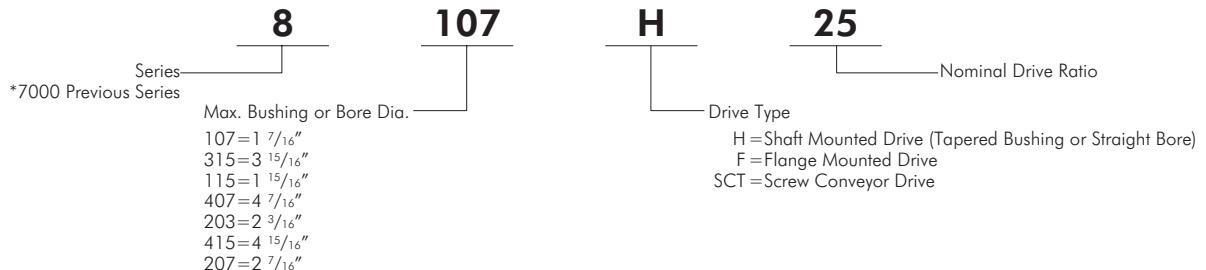


Nomenclature Guide

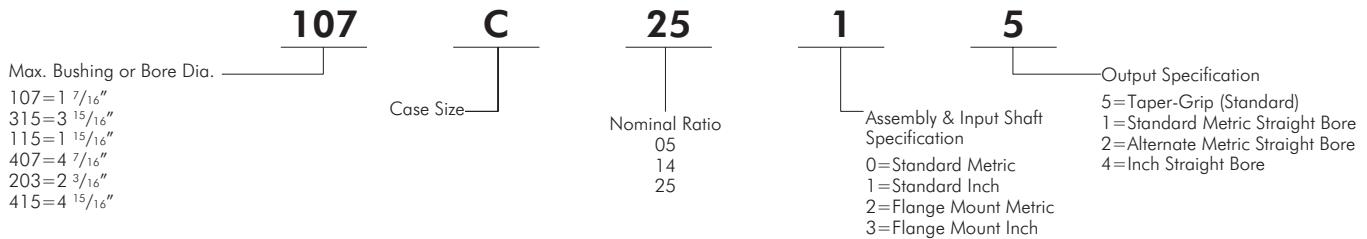
LINK BELT



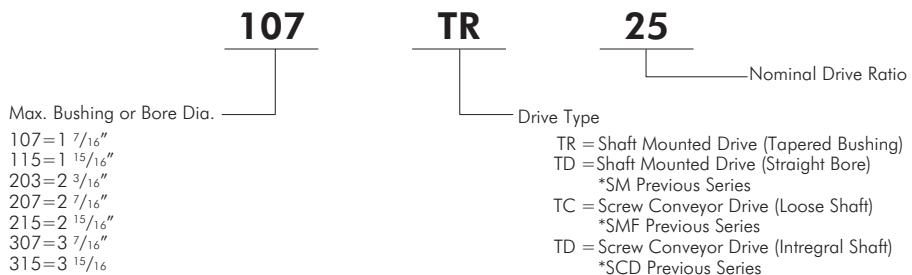
FOOTE JONES



SUMITOMO/FENNER



DORRIS



Engineering Information

Table 6 — Load Classifications * . . . Electric Motor Driven Applications

Recommendations are minimum and normal conditions are assumed.

APPLICATION	Service		APPLICATION	Service		APPLICATION	Service		APPLICATION	Service	
	3 to 10	Over 10		3 to 10	Over 10		Hour	Hour		Hour	Hour
AGITATORS			Belt . . . . .	|	||	LINE SHAFTS			PUMPS		
Paper Mill (Mixers)	II	II	Flight	II	||	Uniform Load . . . . .	|	||	Proportioning		
Pure Liquids	I	II	Oven . . . . .	|	||	Heavy Load	II	||	Refer to Factory		
Semi-Liquids, Variable Density	II	II	Live Roll (Package) . . . . .	|	||	LIVE ROLL CONVEYORS			Reciprocating, open Discharge	I	II
			Screw . . . . .	|	||	Uniformly Loaded, Package . . . . .	|	||	Double Acting	II	III
			Table—See Metal Mills . . . . .	...		Heavy Duty	Refer to Factory		Multi-Cylinder		
APRON CONVEYORS			CONVEYORS—HEAVY DUTY —NOT UNIFORMLY FED ‡			MACHINE TOOLS			Single Cylinder		
Uniformly Loaded	I	II	Apron . . . . .	|	||	Auxiliary Drives . . . . .	|	||	Refer to Factory		
Heavy Duty	II	III	Assembly . . . . .	|	||	Main Drives Uniform Load	II	||	Rotary (Gear Type)	I	II
ASSEMBLY CONVEYORS			Belt . . . . .	|	||	Main Drives Heavy Load	III	||	Constant Density	II	II
Uniformly Loaded	I	II	Bucket or Pan . . . . .	|	||				Variable Density		
Heavy Duty	II	II	Flight . . . . .	|	||	METAL MILLS			RECIPROCATING		
BELT CONVEYORS			Live Roll	Refer to Factory		Table Conveyors, Non Reversing	II	||	Conveyors	III	III
Uniformly Loaded	I	II	Oven . . . . .	|	||	Reversing	Refer to Factory		RUBBER INDUSTRY		
Heavy Duty	II	II	Reciprocating . . . . .	|	||	Wire Drawing & Flattening Machines	II	||	Tire Building Machines	II	II
BREWING & DISTILLING			Screw . . . . .	|	||	MILLS			Tire & Tube Press Openers	I	I
Bottling Machinery	I	II	Table—See Metal Mills . . . . .	...		(See Metal Mills)			SCREENS		
Brew Kettles, Continuous . . . . .	...	II	CRANES & HOISTS §			Pebble	II	||	Air Washing	I	II
Can Filling Machines	I	II	Bridge and Trolley Drive . . . . .	|	||	MIXERS	(See Agitators)		Rotary, Stone or Gravel	I	II
Cookers, Continuous . . . . .	...	II	CUTTER HEAD DRIVES			Concrete, Continuous	II	||	Traveling Water Intake	I	II
Mash Tubs, Continuous . . . . .	...	II	Refer to Factory			Concrete, Intermittent . . . . .	|	||	Shaker	II	III
Scale Hoppers, Frequent Starts	II	II	DISTILLING — See Brewing . . . . .	...		Constant Density . . . . .	|	||	SCREW CONVEYORS		
BUCKET			DRYERS & COOLERS, ROTARY			Variable Density . . . . .	|	||	Uniformly Loaded	I	II
Conveyors Heavy Duty	II	II	Elevators			Liquid . . . . .	|	||	Heavy Duty	II	II
Elevators, Uniform Load	I	II	Bucket—Uniform Load . . . . .	|	||	Paper Mill (Agitators)	II	||	SKI TOWS & LIFTS		
Elevators, Heavy Duty	II	II	Bucket—Heavy Load . . . . .	|	||	Semi-Liquid	II	||	Not Approved		
CAN FILLING MACHINES			Escalators			OVEN CONVEYORS			SKIP HOISTS §		
CAR			Freight			Uniformly Loaded . . . . .	|	||			
Dumpers	III	...	Manlifts, Passenger			Heavy Duty	II	||	STOKERS		
Pullers	Refer to Factory		Not Approved			PAN CONVEYORS			TEXTILE INDUSTRY		
CLARIFIERS	I	II	Not Approved			Heavy Duty	II	||	Butchers	II	II
CLASSIFIERS	II	II	Not Approved			PAPER MILLS			Calenders	II	II
CLAY WORKING MACHINERY			FLIGHT CONVEYORS			Agitators (Mixers)	II	||	Card Machines	III	III
Brick Presses	III	III	Uniformly Loaded . . . . .	|	||	Bleachers . . . . .	|	||	Dry Cans	II	II
Briquette Machines	III	III	Heavy Duty . . . . .	|	||	Calenders . . . . .	...		Dyeing Machinery	II	II
Extruders & Mixers	II	III	FOOD INDUSTRY			Cylinders . . . . .	...		Looms		
CONVEYORS—UNIFORMLY LOADED OR FED §			Beet Slicers . . . . .	|	||	Felt Stretchers . . . . .	...		Refer to Factory		
Apron and Assembly	I	II	Can Filling Machines . . . . .	|	||	Winders . . . . .	...		Mangles, Nappers & Soapers	II	II
LAUNDRY			Cereal Cookers . . . . .	|	||	PEBBLE MILLS			Spinners	II	II
Washers, reversing	Refer to Factory		Dough Mixers . . . . .	|	||	II	III		Tenter Frames	II	II
Tumblers	II	III	Meat Grinders . . . . .	|	||	TUMBLING BARRELS			III		

* **LOAD CLASSIFICATIONS FOR ENGINE-DRIVEN APPLICATIONS — Multi-Cylinder Engines:** Use the next higher Service Class than the one given in Table 6 for the same application when motor driven. (Example: A motor-driven uniformly loaded belt conveyor for 10 hour service is Class I; the same conveyor driven by a multi-cylinder engine would be Class II). For applications which require Class III when motor driven, consult the Factory for recommendations on engine drives. **Single Cylinder Engines:** Consult the Factory.

† 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, fork lift platforms and 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.

Motor Ratings and Dimensions are in accordance with NEMA standards

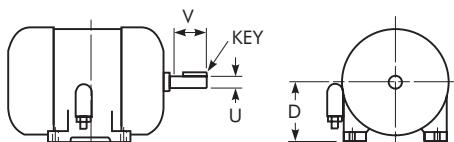


TABLE 7 — 1964 (Type T) NEMA Motor Standards †

MOTOR SPEED AND FRAME SIZE										MOTOR SHAFT DIMENSIONS — INCHES												
Motor hp	1800 rpm	1200 rpm	900 rpm	Motor hp	1800 rpm	1200 rpm	900 rpm	Motor Frame	D	U	V	Key (Sq)	Motor Frame	D	U	V	Key (Sq)	Motor Frame	D	U	V	Key (Sq)
½	56	56	143	7 ½	213	254	256	50	3 ½	5/8	2	3/16	215	5 ¼	1 3/8	3 1/8	5/16	326	8	2 1/8	5	1/2
¾	56	143	145	10	215	256	284	60	3 ½	7/8	2	3/16	254	6 ¼	1 5/8	3 ¾	3/8	364	9	2 3/8	5 5/8	5/8
1	143	145	182	15	254	284	286	75	365	405	...	3/16	256	6 ¼	1 5/8	3 ¾	3/8	365	9	2 3/8	5 5/8	5/8
1 ½	145	182	184	20	256	286	324	100	404	...	...	182	4 ½	1 1/8	2 ½	1/4	284	7	1 7/8	3/8	1/2	
2	145	184	213	25	284	324	326	125	405	...	...	184	4 ½	1 1/8	2 ½	1/4	286	7	1 7/8	3/8	1/2	
3	182	213	215	30	286	326	364	150	444	...	...	213	5 ¼	1 3/8	3 1/8	5/16	324	8	1/8	5	1/2	
5	184	215	254	40	324	364	365	200	445	...	...	...	...	...	...	...	445	11	3 3/8	8 1/4	7/8	

† Frame numbers listed are for 110, 208, 220/440 and 550 volts. Falk Motor Mounts are pre-drilled for rerated 1964 NEMA standard foot-mounted motors.

Table 8 — 5000J Model A Mechanical Input Horsepower & Output Torque (lb-in) Ratings *

Nom Ratio †	Output Speed rpm ‡	DRIVE SIZE																			
		5107			5115			5203			5207			5215 *			5307				
		Hp ●	Output Torque (lb-in) ■	Min HSS Sheave Pitch Dia ◆ (in.)	Hp ●	Output Torque (lb-in) ■	Min HSS Sheave Pitch Dia (in.) ◆	Hp ●	Output Torque (lb-in) ■	Min HSS Sheave Pitch Dia (in.) ◆	Hp ●	Output Torque (lb-in) ■	Min HSS Sheave Pitch Dia (in.) ◆	Hp ●	Output Torque (lb-in) ■	w/o Shaft Fan (in.)	with Shaft Fan (in.)	Hp ●	Output Torque (lb-in) ■	w/o Shaft Fan (in.)	with Shaft Fan (in.)
25:1	5	0.357	4494	2.1	0.652	8219	2.6	1.04	13078	4.0	1.65	20832	5.0	2.76	34821	6.0	6.0	4.48	56529	7.0	7.0
	7	0.499	4494	2.1	0.913	8219	2.6	1.45	13078	4.0	2.31	20832	5.0	3.87	34821	6.0	6.0	6.29	56529	7.0	7.0
	10	0.713	4494	2.1	1.30	8219	2.6	2.08	13078	4.0	3.31	20832	5.0	5.52	34821	6.0	6.0	8.97	56529	7.0	7.0
	15	1.07	4494	2.1	1.96	8219	2.6	3.11	13078	4.0	4.96	20832	5.0	8.29	34821	6.0	6.0	13.5	56529	7.0	7.0
	20	1.43	4494	2.1	2.61	8219	2.6	4.15	13078	4.0	6.61	20832	5.0	11.1	34821	6.0	6.0	17.9	56529	7.0	7.0
	25	1.79	4494	2.1	3.26	8219	2.6	5.19	13078	4.0	8.26	20832	5.0	13.8	34821	6.0	6.0	22.4	56529	7.0	7.0
	30	2.14	4494	2.1	3.91	8219	2.6	6.23	13078	4.0	9.92	20832	5.0	16.6	34821	6.0	6.0	26.9	56529	7.0	7.0
	35	2.50	4494	2.1	4.56	8219	2.6	7.26	13078	4.0	11.6	20832	5.0	19.3	34821	6.0	6.0	31.4	56529	7.0	7.0
	40	2.85	4494	2.1	5.22	8219	2.6	8.30	13078	4.0	13.2	20832	5.0	22.1	34821	6.0	6.0	35.9	56529	7.0	7.0
	50	3.56	4494	2.1	6.52	8219	2.6	10.4	13063	4.0	15.5	20832	5.0	27.6	34821	6.0	6.0	44.9	56529	7.0	7.0
	60	4.28	4494	2.1	7.82	8219	2.6	11.8	12367	4.0	19.8	20832	5.0	33.2	34821	6.0	6.0	53.8	56529	7.0	7.0
	70	4.99	4494	2.1	9.13	8219	2.6	13.1	11808	4.0	23.1	20832	5.0	38.7	34821	6.0	6.0	62.8	56529	7.0	7.0
14:1	71	4.79	4254	1.7	9.07	8052	2.0	14.7	13078	4.0	23.5	20832	6.5	39.2	34821	6.0	6.6	63.7	56529	7.0	8.3
	80	5.40	4254	1.7	10.2	8052	2.0	16.6	13078	4.4	26.4	20832	7.4	44.2	34821	6.0	7.2	71.8	56529	7.0	8.6
	90	6.08	4254	1.7	11.5	8052	2.0	18.3	12838	4.6	29.2	20421	8.0	49.7	34821	6.1	8.0	80.7	56529	7.2	9.2
	100	6.75	4254	1.7	12.8	8052	2.0	19.7	12439	4.7	31.4	19786	8.0	55.3	34821	6.8	8.9	89.7	56529	7.7	9.8
	110	7.43	4254	1.7	14.1	8052	2.0	21.1	12088	4.6	33.6	19228	8.0	60.8	34821	7.5	9.8	98.1	56227	8.1	10.4
	120	8.10	4254	1.7	15.3	8052	2.1	22.4	11777	4.6	35.7	18732	7.9	66.3	34821	8.4	10.9	104	54778	8.1	10.4
	125	8.44	4254	1.7	16.0	8052	2.1	23.1	11633	4.6	36.7	18504	7.9	69.1	34821	8.9	11.5	107	54112	8.1	10.4
9:1	126	8.56	4317	2.6	15.0	7509	2.6	22.0	11027	12.0	35.3	17634	15.0	68.4	34220	9.5	12.5	75.1	37545	14.1	18.0
	130	8.90	4317	2.5	15.5	7509	2.6	22.5	10904	12.0	36.0	17438	15.0	70.6	34220	9.8	12.9	76.8	37211	14.1	18.0
	140	9.59	4317	2.4	16.7	7509	2.7	23.7	10647	12.0	37.9	17076	15.0	76.0	34220	10.7	13.9	80.8	36362	14.1	18.0
	150	10.3	4317	2.3	17.9	7509	2.8	24.9	10453	12.0	39.8	16725	15.0	81.3	34163	11.5	14.9	84.8	35625	14.1	18.0
	160	11.0	4317	2.2	19.1	7509	3.0	26.0	10265	12.0	41.6	16883	15.0	85.1	33504	11.5	15.0	88.7	34846	14.1	18.0
	170	11.6	4317	2.2	20.3	7509	3.1	27.1	10059	12.0	43.5	16114	15.0	88.8	32923	11.5	15.0	92.6	34313	14.1	18.0
	180	12.3	4317	2.2	21.4	7509	3.2	28.3	9906	12.0	45.3	15843	15.0	92.4	32344	11.5	15.0	96.4	33750	14.1	18.0
	190	13.0	4317	2.2	22.6	7509	3.3	29.4	9740	12.0	47.0	15572	15.0	96.0	31826	11.5	15.0	100	33203	14.1	18.0
	200	13.7	4317	2.2	23.8	7509	3.4	30.6	9574	12.0	48.8	15397	15.0	99.6	31232	11.5	15.0	107	33123	14.1	18.0
	210	14.4	4317	2.2	25.0	7509	3.5	32.0	9408	12.0	50.6	15231	15.0	103.5	30642	11.5	15.0	114	32993	14.1	18.0
14:1	220	15.1	4317	2.2	26.2	7509	3.6	33.3	9242	12.0	52.4	15066	15.0	107.4	30052	11.5	15.0	125	32711	14.1	18.0
	230	15.8	4317	2.2	27.4	7509	3.7	34.6	9076	12.0	54.2	14897	15.0	111.3	29452	11.5	15.0	132	32576	14.1	18.0
	240	16.5	4317	2.2	28.6	7509	3.8	35.9	8909	12.0	56.0	14731	15.0	115.2	29352	11.5	15.0	140	32453	14.1	18.0
	250	17.2	4317	2.2	29.8	7509	3.9	37.2	8743	12.0	57.8	14565	15.0	119.1	29253	11.5	15.0	148	32333	14.1	18.0
	260	17.9	4317	2.2	31.0	7509	4.0	38.5	8577	12.0	59.6	14399	15.0	123.0	29153	11.5	15.0	156	32213	14.1	18.0
	270	18.6	4317	2.2	32.2	7509	4.1	39.8	8411	12.0	61.4	14233	15.0	126.9	29053	11.5	15.0	164	32133	14.1	18.0
	280	19.3	4317	2.2	33.4	7509	4.2	41.1	8245	12.0	63.2	14067	15.0	130.8	28953	11.5	15.0	172	32033	14.1	18.0
	290	20.0	4317	2.2	34.6	7509	4.3	42.4	8079	12.0	65.0	13901	15.0	134.7	28853	11.5	15.0	180	31933	14.1	18.0
	300	20.7	4317	2.2	35.8	7509	4.4	43.7	7913	12.0	66.8	13735	15.0	138.6	28753	11.5	15.0	188	31833	14.1	18.0
	310	21.4	4317	2.2	37.0	7509	4.5	45.0	7747	12.0	68.6	13569	15.0	142.5	28653	11.5	15.0	196	31733	14.1	18.0
	320	22.1	4317	2.2	38.2	7509	4.6	46.3	7581	12.0	70.4	13403	15.0	146.4	28553	11.5	15.0	204	31633	14.1	18.0
9:1	330	22.8	4317	2.2	39.4	7509	4.7	47.6	7415	12.0	72.2	13237	15.0	150.3	28453	11.5	15.0	212	31533	14.1	18.0
	340	23.5	4317	2.2	40.6	7509	4.8	48.9	7249	12.0	74.0	13071	15.0	154.2	28353	11.5	15.0	220	31433	14.1	18.0
	350	24.2	4317	2.2	41.8	7509	4.9	50.2	7084	12.0	75.8	12905	15.0	158.1	28253	11.5	15.0	228	31333	14.1	18.0
	360	24.9	4317	2.2	43.0	7509	5.0	51.5	6918	12.0	77.6	12739	15.0	162.0	28153	11.5	15.0	236	31233	14.1	18.0
	370	25.6	4317	2.2	44.2	7509	5.1	52.8	6752	12.0	79.4	12573	15.0	165.9	28053	11.5	15.0	244	31133	14.1	18.0
	380	26.3	4317	2.2	45.4	7509	5.2	54.1	6586	12.0	81.2	12407	15.0	170.8	27953	11.5	15.0	252	31033	14.1	18.0
	390	27.0	4317	2.2	46.6	7509	5.3	55.4	6420	12.0	83.0	12241	15.0	174.7	27853	11.5	15.0	260	30933	14.1	18.0
	400	27.7	4317	2.2	47.8	7509	5.4	56.7	6254	12.0	84.8	12075	15.0	178.6	27753	11.5	15.0	268	30833	14.1	18.0
	410	28.4	4317	2.2	49.0	7509	5.5	58.0	6088	12.0	86.6	11909	15.0	182.5	27653	11.5	15.0	276	30733	14.1	18.0
	420	29.1	4317	2.2</																	

World Class Customer Service

For more than 100 years, the dedicated people of Rexnord have delivered excellence in quality and service to our customers around the globe. We are a trusted name when it comes to providing skillfully engineered products that improve productivity and efficiency for industrial applications worldwide. We are committed to exceeding customer expectations in every area of our business: product design, application engineering, operations, and customer service.

Because of our customer focus, we are able to thoroughly understand the needs of your business and have the resources available to work closely with you to improve equipment availability, reduce maintenance costs, and eliminate redundant inventories.

Rexnord represents the most comprehensive portfolio of bearing, power transmission, and conveying components in the world with the brands you know and trust.

Quaddrive, Renew, Omnibox, Ultramite, Steelflex, Rexnord, and Lifelign are registered trademarks of Rexnord Industries, LLC.
Falk is a trademark of Rexnord. All rights reserved.

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

Rexnord S.A. de C.V.
Queretaro, Qro.
Phone: 52-442-218.5000
Fax: 52-442-218-1090

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
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



Rexnord Industries, LLC - Geared Products Group, 3001 West Canal Street, Milwaukee, WI 53208-4200 USA
Phone: 414-342-3131 Fax: 414-937-4359

