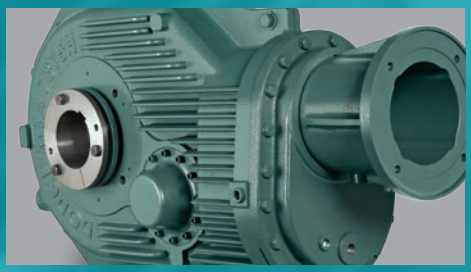
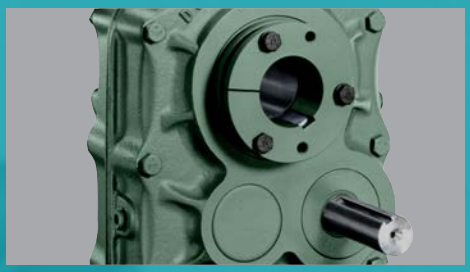
BALDOR · DODGE®







TORQUE-ARM FAMILY
GEARING ENGINEERING CATALOG

2016

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WARNING

The information provided for Product Interchange in this catalog is for use only as a general reference by persons qualified to recognize unreasonable selection options. Products suggested as substitutes may have dimensional, rating, pricing and other differences from products to be replaced. This selection method must be used in conjunction with the applicable product catalog which contains important precautions and other pertinent information.

In illustrations throughout this catalog, safety guards have been removed for photographic purposes.

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WARNING: Because of the possible danger to person(s) or property from accidents which may result from the improper use of products, it is important that correct procedures be followed: Products must be used in accordance with the engineering information specified in the catalog. Proper installation, maintenance and operation procedures must be observed. The instructions in the instruction manuals must be followed. Inspections should be made as necessary to assure safe operation under prevailing conditions. Proper guards and other suitable safety devices or procedures as may be described or as may be specified in safety codes should be provided, and are neither provided by Baldor Electric nor are the responsibility of Baldor Electric. This unit and its associated equipment must be installed, adjusted and maintained by qualified personnel who are familiar with the construction and operation of all equipment in the system and the potential hazards involved. When risk to persons or property may be involved, a holding device must be an integral part of the driven equipment beyond the speed reducer output shaft.

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TORQUE-ARM II G2

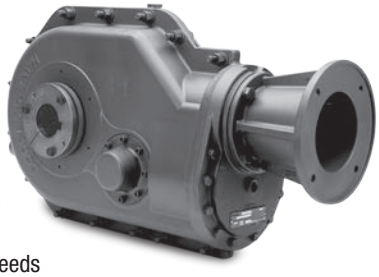
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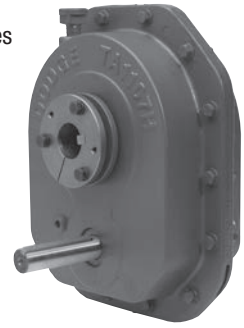
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Motorized Torque-Arm II Shaft Mount Reducers
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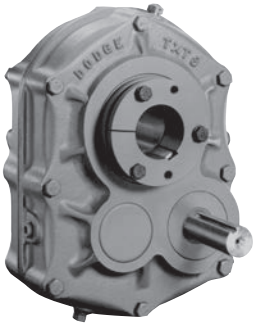
- 7 new reducer sizes with modular accessories
- All reducers can be shaft mounted, screw conveyor, vertical, and flange mounted
- Up through 100 HP
- Torque ratings through 130,000 lb-in
- 12 ratios and multiple motor speeds provide a wide range of output speeds
- 3 piece coupled design eliminates stresses on input shaft and assures removal of motor
- Available as a C-face reducer assembly or a C-face gear-motor assembly
- Bushing bores: 1-7/16" through 4-7/16"
- All-new, highly efficient helical/bevel gearing design
- Meets or exceeds AGMA standards, including minimum class 1 bearing L-10 life of 5,000 hours 25,000 average life
- Harsh duty, metal shielded sealing system with excluder lip
- Smooth, rugged Class 30 cast-iron housings with pry slots
- New 36-month/18-month warranty protection
- ATEX Certified Category 2 and M2 equipment

Torque-Arm II Shaft Mount Reducers
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- 12 new reducer sizes with modular accessories
- All reducers can be shaft mounted, screw conveyor, vertical, and flange mounted
- Up through 400 HP
- Torque ratings through 500,000 lb-in
- Standard 5, 9, 15, 25, and up to 40:1 gear ratios
- Nearly 300:1 speed reduction with V-belt drives
- Bushing bores: 1" through 7"
- All-new, highly efficient helical gearing design
- Meets or exceeds AGMA standards, including minimum class 1 bearing L-10 life of 5,000 hours 25,000 average life
- Harsh duty, metal shielded sealing system with excluder lip
- Smooth, rugged Class 30 cast-iron housings with pry slots
- New 36-month/18-month warranty protection
- ATEX Certified Category 2 and M2 equipment

TXT Torque-Arm Shaft Mount Reducers
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- Exclusive twin tapered bushings
- Rugged cast-iron efficient
- Precision, high-quality helical gearing
- Reliable anti-friction bearings and seals
- Efficient splash lubrication
- Meets/Exceeds AGMA standards
- 100% factory noise and leak tested

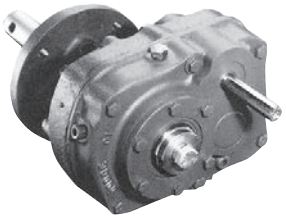
Capabilities & Mounting

- Standard ratios: 5, 9, 15, and 25:1
- Ratios up to 210:1 with V-belts
- Fractional to 700 HP
- Output speeds through 400 RPM
- Optional flange mount and vertical shaft application
- Available with hydraulic motor input

Accessories

- Motor mounts
- Bushing assemblies
- Backstops
- Auxiliary seal kits
- Belt guards
- Cooling fans
- Harsh duty accessories

SCXT Screw Conveyor Shaft Mount Reducers
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- Industry standard, high quality, drive mounting
- Adapter conforms to any CEMA trough ends
- Sealing system alternatives in adapter
- Seals
- Braided felt seal
- Rugged, high-thrust roller bearings
- Conforms to CEMA standards
- CEMA high-strength shafts, 2- and 3-bolt

Capabilities

- Fractional to 75 HP
- Standard ratios: 5, 9, 15, and 25:1
- 1-1/2" to 3-7/16" CEMA drive shafts
- Output speeds through 400 RPM
- Available with hydraulic motor input
- Vertical and incline mounting capability

Accessories

- Standard adapters with optional adjustable packing gland adapters
- Drive shafts - standard steel and stainless steel
- Motor mounts
- Belt guards
- Auxiliary seal kits
- Cooling fans

Dodge Motorized Torque-Arm II Speed Reducers -- General Specification:

The speed reducer shall be coupled enclosed shaft mount type unit with a triple reduction ratio. The reducer shall mount directly on the driven shaft and utilize an adjustable torque arm that attaches from the gear case to the support structure or foundation. The motor shall be attached to the reducer with a cast iron adapter and shall utilize a flexible, jaw style, 3 piece coupling to eliminate fretting corrosion and allow for any minor misalignment issues.

The reducer housing shall be constructed of two piece corrosion resistant, class 30 gray iron. All housings shall be doweled and precision machined to assure accurate alignment for all gear sets. Pry slots are provided for ease of repair.

All gearing shall be of helical or helical/bevel design, case carburized and precision finished to insure a high surface durability with a resilient tooth core for impact resistance and optimum service life. Input pinion shall be supported between bearings to maintain proper alignment of gear meshes, maximize load carrying capabilities, and to eliminate overhung loads imposed on bearings. Design meets or exceeds AGMA standards.

Reducer bearings shall be of the tapered roller type, meet or exceed AGMA standards, and provide a minimum 25,000 hour average life, AGMA Class I standard.

All seals shall be of the lip, spring loaded type, made of a premium harsh duty, heat resistant material. A metal excluder seal with rubber lip shall be external to the standard oil seal on all outboard seals.

Reducer installation shall be accomplished by using ductile iron, fully split, two bushing system. Reducer removal shall be accomplished by providing jack screw holes in the bushing flanges to mechanically remove the tapered assembly.

Backstops shall be lift-off sprag type and designed for use with standard and extreme pressure (EP) lubricants.

Dodge Motorized Torque-Arm II Screw Conveyor Drives -- General Specification:

The drive shall consist of a direct drive speed reducer; a cast iron, bolt on, four bolt mounting adapter with double lip seals on both ends, and optional bolt on adjustable packing kit.

A standard three-hole drive shaft will be machined from a high quality alloy steel.

The drive shall conform to Conveyor Equipment Manufacturers Association (CEMA) standards.

Motorized Torque-Arm II is ATEX certified.

Motorized Torque-Arm II has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 2 and M2 equipment, which is intended for use in potentially explosive atmospheres.

These Essential Health and Safety Requirements are given in Annex II to European Union Directive 94/9/EC of 23 March 1994.

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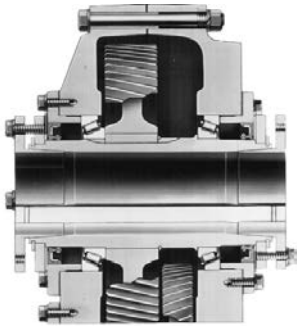
FEATURES/BENEFITS

Torque-Arm Shaft Mount Speed Reducers

Dodge Torque-Arm
Twin Tapered Bushings
Make Dodge Torque-Arm The Leader

Dodge Twin Tapered Bushings have provided customers over forty years of reliable and proven service. This exclusive feature revolutionized the shaft mount reducer concept and insured that Torque-Arm Speed Reducers would not seize to the customer's driven shaft. Another first from Dodge, the supplier of industry preferred quality speed reducers.

Torque-Arm Speed Reducers provide positive, easy-on, easy-off mounting for all reducer sizes from fractional to 700 HP.



A tapered bore in both sides of the reducer's output hub snugs up against a matching taper on the outer surface of the bushing . . . "Twin Tapered".

Bushing mounting screws pass through the bushing flange into a mounting collar on the hub. As the screws are tightened, the bushing moves inward, gripping the driven machine's input shaft tightly and evenly around every point on its circumference.

You can now realize significant cost savings with the TXT Torque-Arm Speed Reducer.

And here is how:

- The reducer mounts directly on the driven shaft, eliminating the need for a coupling or chain drive, sliding motor base, and support structure. There's no alignment problem.

- **TXT reducers incorporate standard Dodge features**
  - Ratios up to 210:1.
  - Capacities fractional to 700 HP
  - Output speeds through 400 RPM.
  - Trouble-free maintenance.
  - Up-front installation savings.
  - Quality proven design.
  - Easier, more accurate drive alignment.

- **Rugged, cast iron housing.** Cast, corrosion-resistant gray and ductile iron housings are precision machined for positive gear alignment. Rugged housing construction provides strong, rigid support for bearings and gearing. Additionally, internal rib design helps channel oil to all bearings for superior lubrication.

- **Efficient helical gear tooth design** produces an efficiency rating of 98.5% per gear set. Gear teeth feature a softer core to resist shock loads, combined with a case carburized surface for maximum wear resistance. Precision crown shaving produces an ellipsoid tooth shape, so that teeth mesh at the stronger center area eliminating end loading. The result: uniform load distribution with no tooth-end wear.

- **Lip seals.** Metal cased lip seals keep lubricating oil in, lock dirt and contaminants out. The cavity between the inner and outer lips is filled with grease at assembly to prelubricate the seal. A garter spring exerts a constant, gentle pressure at every point around the circumference of the shaft to insure a positive seal. All seals ride on precision ground surfaces for maximum life.

- **Dependable performance.** All Dodge Torque-Arm speed reducers are 100% factory noise and leak tested to assure long life and trouble-free service.

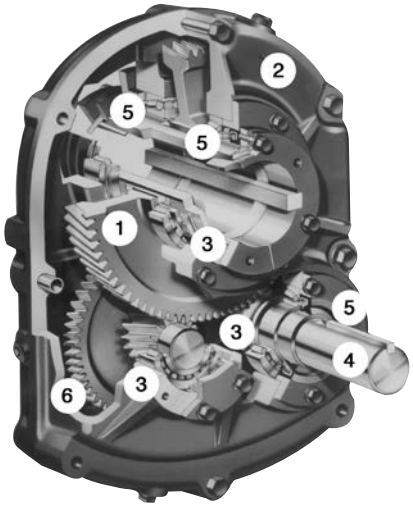
- **Dodge has a Torque-Arm** reducer for every application.

And all this adds up to more savings for you! The TXT reducer-the best package available to meet tough industrial requirements.

It's easy to see why Dodge Torque-Arm is America's #1 Shaft Mounted Speed Reducer.

FEATURES/BENEFITS

Dodge Torque-Arm
The Complete Shaft Mount Speed Reducer System



Dodge Torque-Arm Is America's Leading Shaft-Mount Reducer Because:

Experience-over 2,000,000 sold.
Delivery-nearly 5,000 reducers and 20,000 accessories in stock.
Quality-warranties of less than 1/2% of sales.
Customer Preferred-over 60 years of proven experience.
Twin Tapered Bushings-reliable installation and removal.
Performance Capability-applications through 700 HP.
Product Configurations-Torque-Arm, Screw Conveyor and Hydroil.
Accessory Package-motor mount, backstop, bushings and auxiliary seals.

1. **Precision High Quality Gearing**
   - Computer Designed Helical Gears
   - 98.5% Efficiency Per Gear Stage
   - Case Carburized for Long Life
   - Strong Alloy Materials for High Load Capacity
   - Crown Shaved Gear Tooth Profile for Even Load Distribution
   - Smooth Quiet Operation with Several Teeth in Mesh
   - Designed in Conformance with AGMA

2. **Maximum Capacity Housing Design**
   - Rugged Cast Iron and Ductile Iron
   - Rigid Bearing Support and Positive Gear Alignment
   - High Corrosion Resistance
   - Excellent Vibration Dampening & Shock Resistance Features

3. **Reliable Anti-Friction Bearings**
   - Anti-friction Bearing Manufacturers Association Bearing Ratings
   - Combination Ball & Tapered Roller Designs
   - Straddle Mounted Gears for Optimum Support
   - High Thrust Capacity Screw Conveyor Drive Bearings

4. **Strong Shafts For Support**
   - Precision-Machined & Hardened for Maximum Load
   - High Alloy Steel for Maximum Torsional Loads
   - Generous Size Shaft Keys for Shock Loading
   - Press or Heat-Shrunk Design for Total Reliability

5. **Proven Seals Keep Oil In And Contaminants Out**
   - Lip Spring-Loaded Construction
   - Metal Reinforcement for Strength
   - Broad Operating Range of -20°F to 225°F
   - 100% Factory-Tested Before Shipment
   - Smooth Ground Shaft Surfaces for Maximum Life
   - Seal Kits Available for All Reducer Sizes

6. **Efficient Splash Lubrication System**
   - Generous Oil Sump for Lubricating All Gears & Bearings
   - Standard Gear Petroleum Lubricants Are Suitable
   - Multiple Oil Plugs for Total Mounting Flexibility
   - New Breather With Baffle And Filter
   - Magnetic Drain Plug for Protection

Dodge has been the leader as a shaft mounted reducer manufacturer for over 60 years. Since our start in 1949, we have developed thousands of satisfied customers. The Torque-Arm success is due to initial design and rating conservatism and a rigid quality control program. We have recently tabulated the quantity of reducers sold. This has resulted in the kind of quality and dependability that's proven by one of the lowest percentage replacement rates in the industry-and that's with more than 2.0 million units sold. Design features built into every shaft mounted Torque-Arm reducer are presented in this bulletin. Remember, a speed reducer is a complete system of balanced, high quality components.

Our success as a manufacturer begins with our design features and extends to our rigid quality program which provides the highest quality and dependability that customers have grown to expect from Dodge. The Torque-Arm shaft mounted reducer line, consisting of many sizes and types and with capacities from fractional through 700 HP, is available from our factory warehouse stock, branch warehouse stocks, and authorized distributors located throughout the United States. No other manufacturer in the world can claim this type of coverage and back-up assistance for their products and customer.

FEATURES/BENEFITS

Torque-Arm Shaft Mount Speed Reducers

Dodge Torque-Arm Accessories

Tapered Bushing Assemblies



Securely mounts Taper Bushed Reducer to driven shaft

Features	Benefits
• Twin Bushings	• Reliably supports both sides of reducer.
• Full Length Shaft Key	• Maximum torque & shock load capability.
• Flanged Bushing Mount	• Fast & simple installation.
• Removal Screws	• Reliable demount of reducer.
• Fully Split Bushings	• Eliminates fretting & seizing problems.
• Ductile Iron	• Strong, shock resistant bushings.
• No Setscrews	• Eliminates driven shaft damage.
• Clamp Fit	• Reduces wobble & fits undersized shafts.

Straight Bore Bushing Assemblies



Accommodate less than maximum bore straight bore reducer applications

Features	Benefits
• Steel or Ductile Iron	• High load capacity.
• Two Bushings	• Locking setscrews on both sides of reducer.
• Mount in Reducer Bore	• Suitable for shorter driven shafts.
• Original Design	• Equivalent to most competitive reducers.

Motor Mounts



Provide a compact and economical method of mounting electric motors on Torque-Arm Reducers

Features	Benefits
• All-Steel Construction	• Rigid motor support.
• Compactness	• Eliminates separate motor bases.
• Adjustable Top Plate	• Fast & easy belt tensioning.
• Pre-Drilled	• Accommodates standard NEMA Motors.
• Economical	• Low cost & eliminates alignment problems.
• Flexible Mounting	• Pre-drilled for belt guard attachment.
• Interchangeability	• Also fits screw conveyor drives.

Auxiliary Seal Kits



Provide extra sealing on Taper Bushed Reducers

Features	Benefits
• Labyrinth Seals	• Protection from dust, dirt, & moisture.
• Economical	• Low cost reducer protection.
• Simple Installation	• Can be grease purged for protection.
• Lubrication Fittings	• Filtered air breather included.
• Air Breather	

Backstops



Prevents reverse of shaft direction

Features	Benefits
• Quick Installation	• Fits input shaft of all Torque-Arm Reducers
• Internally Mounted	• Sealed inside reducer for protection.
• Oil Lubricated	• No external relubrication required.
• Long Life	• Case hardened, shock resistant sprags.
• Keyed to Reducer	• High load capacity.
• Reversible	• Suitable for either direction of rotation.

Torque-Arm Belt Guards



Enclose and Protect Belt Drive

Features	Benefits
• Slotted Metal Panel Construction	• Light weight, ventilated
• Yellow Paint	• Meets safety requirements
• Mounting Hardware	• Quick easy assembly
• Assembles to Reducer and Motor Mount Holes	• No machining needed
• Flexibility	• One size fits most common sheave diameters



FEATURES/BENEFITS

Torque-Arm Shaft Mount Speed Reducers

Application Flexibility
Typical Dodge Torque-Arm Reducer Installations

Vertical Shaft Application

Dodge Torque-Arm Twin Tapered Bushed Vertical Speed Reducer

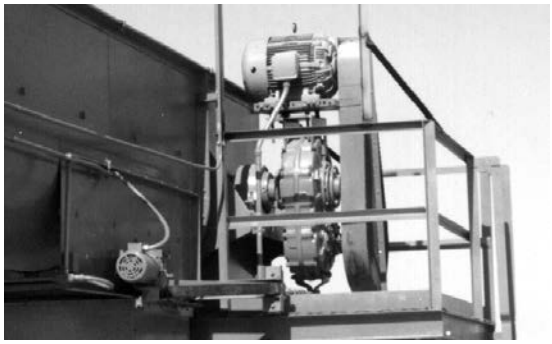


TDT1530T

Application: 200 HP, Class III Service on vertical shaft mixer application. This TDT 1530 Vertical Tapered Bushed Speed Reducer with shock absorbing DYNA-V Belt Drive package replaced an expensive, hard-to-replace, open gear drive system. Torque-Arm reducers can mount in many positions, such as vertical shaft applications simply by repositioning the breather and drain plug for lubrication purposes. Another standard feature of compact and highly efficient Torque-Arm reducers.

Horizontal Shaft Application

Standard Dodge Torque-Arm Twin Tapered Bushed Speed Reducer

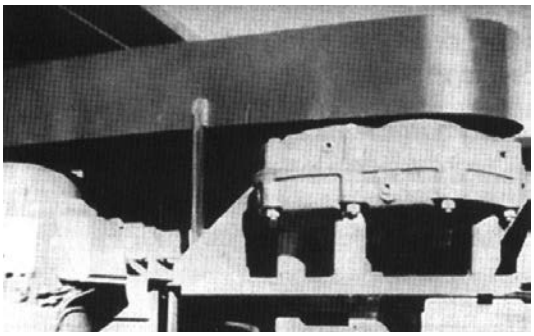


TXT725T X 3-15/16”

Application: 40 HP drive, Class II service, on main conveyor drive. Standard Tapered Bushed TXT 725 x 3-15/ 16” Speed Reducer package offers long life and dependability. Other user benefits on this horizontal shaft application include compactness, off-the-shelf components, flexible motor mount arrangement, and reliable easy-on, easy-off Tapered Bushings. The lowest cost installed system for moving bulk materials.

Flange Mounted Application

Dodge Torque-Arm Flange Mounted Vertical Twin Taper Bushed Speed Reducer



TXT625T

Application: 15 HP, Class II Service, on Vertical Agitator Shaft in cement mixing system. This rugged reducer is rigidly mounted via the flange mounting pads which are standard on all Torque-Arm reducers. This no-charge, flange drilling option allows the reducer to support the agitator shaft and any thrust loads imposed. Flange mounted reducers do not require Torque-Arm rod assemblies.

Hydraulic Reducer Application

Dodge Hydroil Torque-Arm Twin Taper Bushed Speed Reducer



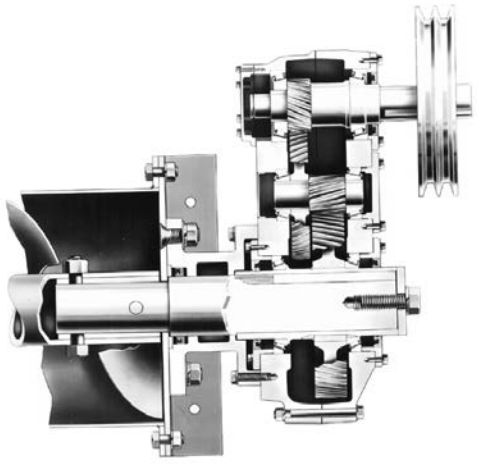
HXT525T WITH B30 MOTOR

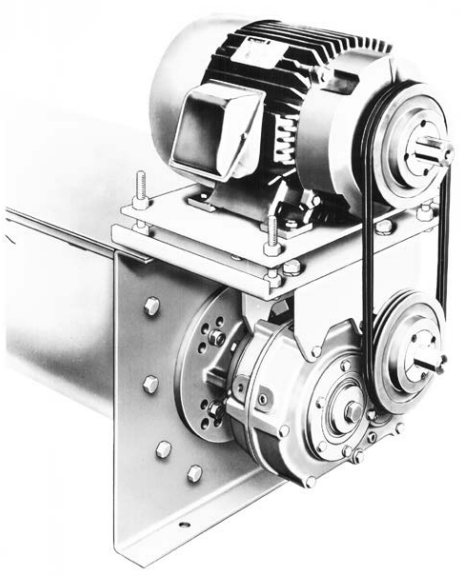
Application: Variable speed Dodge Hydroil speed reducer with hydraulic power is another example of Torque-Arm reducer flexibility. This version powers a rugged, mobile brand of road construction equipment. Simply regulating the pressure and volume of fluid to the motor provides variable speed, variable torque, and even direction of rotation change.

FEATURES/BENEFITS

Torque-Arm Shaft Mount Speed Reducers

Dodge Screw Conveyor Drives
Industry Wide Application





Dodge quality designed with the Screw Conveyor Industry in mind

The dependable Dodge Screw Conveyor Drives provide a rugged, competitively priced, application-engineered drive for standard CEMA screw conveyors. And the screw conveyor drive incorporates the proven reliability you have come to expect from the Dodge Torque-Arm reducer line.

Tapered roller bearings within the drive eliminate the need for an external thrust bearing. The bearings take thrust from the screw conveyor and make external thrust bearings unnecessary.

Dodge Screw Conveyor Drives are available in 5:1, 9:1, 15:1 and 25:1 ratios and the durable drives include:

- A compact design reducer with increased torque ratings.
- The CEMA standard drive shaft.
- A standard trough end mounting adapter with CEMA four-bolt mounting.
- Standard adapter for use with choice of lip, braided or waste pack seals.
- Optional adjustable packing adapter kit.

The Dodge complete, rugged, highly developed, screw conveyor drive mounts on the trough end of your screw conveyor. Tapered roller bearings in the reducer take the thrust from the screw conveyor. This eliminates the external thrust bearing commonly required. The drives may be mounted in any position on horizontal, inclined, or vertical shafts by relocating breather and drain plugs. For complete drive between trough and motor, specify the screw conveyor drive and the following accessories: trough end plate and motor mount.
Where V-belt drives or electric motors cannot be used, Dodge offers a screw conveyor drive powered by a hydraulic motor.

Note: Guards have been removed for photographic purposes

Typical Industry Applications

Food	Agriculture
Grain	Soaps
Aggregates	Lumber
Chemicals	Stone
Minerals	Clay
Coal	Glass

. . . and many more



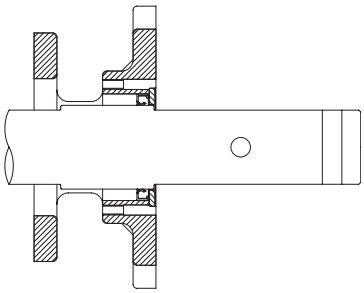
FEATURES/BENEFITS

Torque-Arm Shaft Mount Speed Reducers

Dodge Screw Conveyor Drives
Two alternative seals in CEMA Standard Adapter



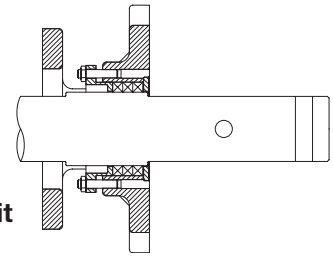
Lip Seals.
They're pre-lubricated for protection from dust and dirt during installation and are excellent for conveying semi-solids. Metallic parts are partially coated with synthetic rubber for added protection from corrosion.



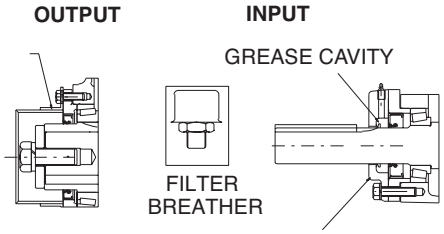
Standard CEMA Adapter

Adjustable Packing Adapter Kit
The adjustable packing adapter kit is used with the standard CEMA adapter to allow repacking the adapter without removing it from the trough end. The adjustable packing kit is a proven sealing option for hostile environments, such as cement dust. Packing can be retightened.

Standard CEMA Adapter with Adjustable Packing Kit



Auxiliary Seal Kit



Auxiliary Seal Kits for Dodge Screw Conveyor Drives are available for SCXT Sizes 1-7 Speed Reducers. Each kit contains an input shaft auxiliary seal with cover, output shaft end cap and a filter air breather.

Belt Guard
A slotted metal panel style belt guard with mounting straps for SCXT Reducers will fit standard M series motor mounts. The belt guards are designed to fit most common sheave diameters. They mount easily with no machining required.



Motor mounts need no drilling.
Rugged, all-steel Dodge motor mounts bolt directly to the screw conveyor drive reducer. They're available in fourteen sizes, which easily fit NEMA motor frames. Since the four adjusting bolts allow easy belt tensioning, it's less time-consuming and you save on installation costs immediately.



CEMA drive shafts offer easy installation and maintenance.
This means increased production, less down-time and substantial cost savings. You can save even more because of convenience and interchangeability. Different diameter drive shafts are interchangeable within each drive, and there's a wide range of diameters from 1-1/2 to 3-7/16 inches to choose from. Stainless steel and three-hole CEMA drive shafts are available on request.



FEATURES/BENEFITS

Torque-Arm Shaft Mount Speed Reducers

Dodge Hydroil™ Drives

Hydraulically Powered Torque-Arm Speed Reducers with Infinitely Adjustable Speed and Torque

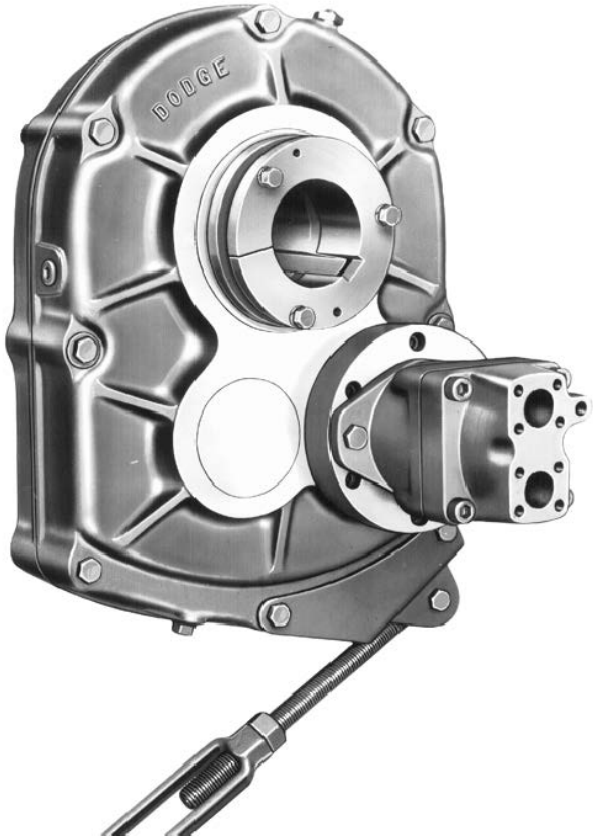
This is a modified version of the famous Torque-Arm speed reducer with the same quality features and ease of installation.

A Hydraulic motor powers the Hydroil reducer, greatly expanding its scope of application and versatility. It has proven to be popular for locations remote from the prime mover where shafts or belt and chain drives are impractical or where electric motors are not available. Exceptional flexibility is provided in the control of the driven machine by simply regulating the pressure and volume of fluid fed to the Hydroil motor.

Users can provide flexible control of the Hydroil drive by selecting proper auxiliary equipment. Output speeds of the reducer are infinitely adjustable through the use of regulating valves in the hydraulic circuit. Both speed and torque can be adjusted to meet the requirements of the driven machine which can be inched or jogged. The direction of rotation is reversible.

Where V-belt drives or electric motors cannot be used, Dodge offers a screw conveyor drive powered by a hydraulic motor.

Hydroil Vane Motors-are a superior single stage vane type fluid motor. A series of internal ports admit oil to and carry it from the power element. Complete hydraulic balance of the assembly contributes to the mechanical efficiency and long life of these motors as well as to their unusually quiet operation. Other exclusive features assure a minimum of friction and efficient valving action regardless of operating speeds.





Hydroil Vane Motors A10 and A20



Hydroil Vane Motors B30



Hydroil Vane Motors B40



Hydroil Vane Motors B50



SPECIFICATIONS

Torque-Arm Shaft Mount Speed Reducers

General Specifications

Torque-Arm Speed Reducers:

The speed reducer shall be a belt driven enclosed shaft mount type unit with a single or double reduction ratio. The reducer shall mount directly on the driven shaft and utilize an adjustable torque arm that attaches from the gear case to the support structure or foundation. Optional all steel motor mount adjusts to various belt center distances and supports the motor.

The reducer housing shall be constructed of two-piece corrosion resistant, class 30 gray iron. All housings shall be doweled and precision machined to assure accurate alignment for all gear sets.

All gearing shall be of helical design, case carburized and precision finished to insure a high surface durability with a resilient tooth core for impact resistance and optimum service life. Gears shall be supported between bearings to maintain proper alignment of gear meshes, to maximize load carrying capabilities, and to eliminate overhung loads imposed on bearings. Design meets or exceeds AGMA standards.

Reducer bearings shall be of the ball or tapered roller type, and provide a 25,000 hour minimum average life, 5,000 L-10 AGMA Class I standard.

All seals shall be of the lip, spring loaded type, made of a premium harsh duty, heat resistant material.

Reducer installation shall be accomplished by using ductile iron, fully split, two bushing system. Reducer removal shall be accomplished by providing jack screw holes in the bushing flanges to mechanically remove the tapered assembly.

Screw Conveyor Drives:

The drive shall be a belt driven enclosed, adapter mounted unit with a single or double reduction ratio. The drive shall consist of a standard speed reducer; a cast iron, bolt on, four bolt mounting adapter with double lip seals on both ends, an optional bolt on adjustable packing kit, and a drive shaft machined from a high quality alloy steel. The drive shall conform to Conveyor Equipment Manufacturers Association (CEMA) standards. Optional all steel motor mount adjusts to various belt center distances and supports the motor.

The reducer housing shall be constructed of two-piece corrosion resistant, class 30 gray iron. All housings shall be doweled and precision machined to assure accurate alignment of all gear sets.
All gearing shall be of helical design, case carburized and precision finished to insure a high surface durability with a resilient tooth core for impact resistance and optimum service life. Gears shall be supported between bearings to maintain proper alignment of gear meshes, to maximize load carrying capabilities, and to eliminate overhung loads imposed on bearings. Design meets or exceeds AGMA standards.

Reducer output bearings shall be of the tapered roller type, to absorb thrust loads from the screw conveyor. All bearings shall provide 25,000 hour minimum average life, 5,000 L-10 AGMA Class I standard.

All seals shall be of the lip, spring loaded type, made of a premium harsh duty, heat resistant material.

Hydroil Drives:

The speed reducer shall be a hydraulically powered enclosed shaft mount type unit with a single or double reduction ratio. The reducer shall mount directly on the driven shaft and utilize an adjustable torque arm that attaches from the gear case to the support structure or foundation.

The reducer shall be powered using a Hydroil single stage vane type fluid motor. The reducer shall be provided with a cast iron SAE mounting flange adaptor and splined input shaft to allow an integral fit with the splined hydraulic motor shaft.

The reducer housing shall be constructed of two-piece corrosion resistant, class 30 gray iron. All housings shall be doweled and precision machined to assure accurate alignment for all gear sets.

All gearing shall be of helical design, case carburized and precision finished to insure a high surface durability with a resilient tooth core for impact resistance and optimum service life. Gears shall be supported between bearings to maintain proper alignment of gear meshes, to maximize load carrying capabilities, and to eliminate overhung loads imposed on bearings. Design meets or exceeds AGMA standards.

Reducer bearings shall be of the ball or tapered roller type and provide a 25,000 hour minimum average life, 5,000 L-10 AGMA Class I standard.

All seals shall be of the lip, spring loaded type, made of nitrile rubber or HNBR.

Reducer installation shall be accomplished by using ductile iron, fully split, two bushing system. Reducer removal shall be accomplished by providing jack screw holes in the bushing flanges to mechanically remove the tapered assembly.

NOMENCLATURE

Torque-Arm Shaft Mount Speed Reducers

Nomenclature: Torque-Arm Reducers

XXXX - X XX - x - X - XXXXX

Configuration
- TXT Standard Torque-Arm Reducer, 1 - 12
- TDT Large Torque-Arm Reducer, 13 - 15
- HXT Hydroil Torque-Arm Reducer, 1 - 7

Gear Case Size

1 thru 12	TXT
13 thru 15	TDT
1 thru 7	HXT

Ratio*

5:1	Single Reduction
9, 15, 25:1	Double Reduction

Bushing Bore Size

1” - 10”	TDT Twin Tapered Bushing Assembly
1” - 5-7/16”	TAXD Straight Bore Bushing Assembly

Type of Reducer/Bushing

T	Twin Taper Bushed Reducer
S	Straight Bore Reducer

Nomenclature Example: Torque-Arm Reducers

TXT - 6 - 25 - T - x - 3-7/16”
- Standard Torque-Arm Shaft Mount Reducer
- Case Size 6
- 25:1 Ratio, Double Reduction
- Twin Taper Bushed Reducer
- Twin Tapered Bushing Assembly with bore to fit 3-7/16” diameter driven shaft

TXT - 2 - 05 - S - x- 1-15/16”
- Standard Torque-Arm Shaft Mount Reducer
- Case Size 2
- 5:1 Ratio, Single Reduction
- Straight Bore Reducer
- 1-15/16” is maximum bore for TXT2 Straight Bore Reducer; no bushing required

HXT - 1 - 25 - T - x - 1-7/16”
- Hydroil Shaft Mount Reducer
- Case Size 1
- 25:1 Ratio, Double Reduction
- Twin Taper Bushed Reducer
- Twin Tapered Bushing Assembly with bore to kit 1-7/16” diameter driven shaft

*** Note: “A” , “B” or “C” in nomenclature after ratio denotes latest reducer design**



NOMENCLATURE

Torque-Arm Shaft Mount Speed Reducers

Nomenclature: Screw Conveyor Drive Reducers

XXXXX - X XX - x - XXXXX - XX - XXXXX

Configuration
- SCXT — Screw Conveyor Drive Reducer
- HSCXT — Hydroil Screw Conveyor Drive Reducer

Gear Case Size
- 1 thru 7 — SCXT
- 1 thru 7 — HSCXT

Ratio*
- 5:1 — Single Reduction
- 9, 15, 25:1 — Double Reduction

Motor Mount
- M — Standard Motor Mount for 6” - 20” screw
- ML — Long Motor Mount for 24” screw

Adapter Style
- C — Standard CEMA 4-bolt Adapter
- AC — Adjustable Packing Kit

CEMA Standard Drive Shaft Diameter
- Sizes — 1-1/2”, 2”, 2-7/16”, 3”, 3-7/16”
- Dependent on screw diameter

Nomenclature Example: Screw Conveyor Drive Reducers

SCXT - 7 25 - x - 3-7/16” - C - M724L
- SCXT — Screw Conveyor Drive Reducer
- 7 — Case Size 7
- 25 — 25:1 Ration, Double Reduction
- 3-7/16” — 3-7/16” diameter Drive Shaft
- C — Standard CEMA 4-bolt Adapter
- M724L — Long Motor Mount for 24” screw

SCXT - 5 25 - x 2-7/16” - C - M518
- SCXT — Screw Conveyor Drive Reducer
- 5 — Case Size 5
- 25 — 25:1 Ratio, Double Reduction
- 2-7/16” — 2-7/16” diameter Drive Shaft
- C — Standard CEMA 4-bolt Adapter
- M518 — Standard Motor Mount for 12” screw

HSCXT - 2 05 - x - 1-1/2” - AC
- HSCXT — Hydroil Screw Conveyor Drive Reducer
- 2 — Case Size 2
- 05 — 5:1 Ratio, single Reduction
- 1-1/2” — 1-1/2” diameter Drive Shaft
- AC — C Adapter with Adjustable Packing Kit

*** Note: “A”, “B” or “C” in nomenclature after ratio denotes latest reducer design**

SELECTION

Torque-Arm Shaft Mount Speed Reducers

When to Use Easy Selection

The Easy Selection tables for TXT Shaft Mount reducers are for electric motor selections up to 700 horsepower with output speeds up to 400 RPM, using AGMA recommended application class numbers. For extreme shock or high energy loads which must be absorbed, as when stalling; for power source other than an electric motor; or for extreme ambient temperatures, or oversized equipment, consult Dodge Application Engineering, (864) 284-5700.

How to Select

Step 1: Determine Class of Service-See Table 1, page G1-6, to determine Load Classification for applications under normal conditions. Find the type application and duty cycle that most closely matches your specific application.

Class I Steady load not exceeding Motor HP rating and light shock loads during 10 hours a day. Moderate shock loads are allowable if operation is intermittent.

For Class I applications, the maximum value of starting and momentary peak loads should not exceed 2 x Motor HP rating. If it exceeds this amount it should be divided by 2 and the result used in the selection table instead of the Motor HP rating.

Class II Steady load not exceeding Motor HP rating for over 10 hours a day. Moderate shock loads are allowable during 10 hours a day.

For Class II applications, the maximum value of starting and momentary peak loads should not exceed 2.8 x Motor HP rating. If it exceeds this amount it should be divided by 2.8 and the result used in the selection table instead of the Motor HP rating.

Class III Moderate shock loads for over 10 hours a day. Heavy shock loads are allowable during 10 hours a day.

For Class III applications, the maximum value of starting and momentary peak loads should not exceed 4 x Motor HP rating. If it exceeds this amount it should be divided by 4 and the result used in the selection table instead of the Motor HP rating.

Step 2: Determine Reducer Size-See the Easy Selection Tables, pages G3-18 thru G3-29. From Selection Table I, II or III read the reducer size for the application horsepower and output speed. Note: For applications where fan cooling is unacceptable use the Easy Selection tables with an increased Class number. Where more than one reducer selection is listed, the most economical ratio is generally listed first. See Table 31, page G3-179 for maximum input and output speeds.

Step 3: Compare Hollow Shaft Bore with the size of the driven shaft. All Dodge Torque-Arm Taper Bushed reducers require bushings. Refer to reducer pages for available bushings. If the driven shaft is larger than the bore of the selected reducer, the shaft must be machined to the proper size, or select a larger reducer. Check driven shaft and key for strength.

Step 4: Check Dimensions-See Selection/Dimensions section, pages G3-30 thru G3-71 for reducer dimensions, weights and part numbers. See Engineering/Technical section, page G3-173 for reducer mounting positions. For optional Torque-Arm rod mounting positions, see page G3-176.

DODGE®



Torque-Arm Shaft Mount Speed Reducers

Step 5: Select a Belt Drive Arrangement-From the Sheave Ratio table, page G3-164 through G3-167, select the required sheave ratio for the belt drive. Be careful to select the belt drive so that the sheave mounted on the reducer shaft is not smaller than the minimum sheave diameter shown in Table 19, page G3-163. Note: Mount the sheave as close as possible to the reducer to minimize the effect of overhung load on the reducer.

Step 6: Select Accessories-See Modifications/Accessories section, pages G3-73 thru G3-81, for description, dimensions, weights, and part numbers for accessories available for the Torque-Arm reducer selected:

Motor Mounts
Cooling Fans
Auxiliary End Covers
Backstop Assemblies
Auxiliary Seal Kits
Belt Guards
Filter Breathers

Note: A Torque-Arm rod assembly is furnished with all TXT and HXT reducers, except for those factory-prepared for flange mounting. Torque- Arm reducers are shipped without oil.

Ratings and selections are the same for both taper bushed and straight bore reducers - standard, inclined or vertically mounted.

Examples: Easy Selection Method - TXT Torque-Arm Reducers

A 10 HP 1750 RPM motor is used to drive a uniformly loaded belt conveyor moving sand at 70 RPM, operating 16 hours per day. Head pulley shaft diameter is 2-7/16". Spec calls for a means of holding the conveyor from moving backwards. User needs immediately so does not have time to build his own motor mount or belt guard.

Step 1: Determine Class of Service-From Table 1, locate "belt conveyors, uniformly loaded or fed" for over 10 hours per day. This load is classified as a Class II application.

Step 2: Determine Reducer Size-From Table 3-Class II Application, page G3-22, find the column for 10 HP and read down to 70 RPM. A TXT425 reducer is the correct selection.

Step 3: Compare Hollow Shaft Bore of TXT425 with the application driven shaft diameter. Per page G3-43, 2-7/16" is the maximum bore available for this size reducer, so it will work in this application. Be sure to check driven shaft and key for strength.

Step 4: Check Dimensions and Weights-See Selection/ Dimensions section, page G3-43, for reducer dimensions, weights, part numbers and other pertinent drive dimensions. See Engineering/Technical section, page G3-173 for information on mounting positions.

Step 5: Select a Belt Drive Arrangement-From the Sheave Ratio table, page G3-164 select a V-drive ratio for the conveyor speed of 70 RPM. With this information, select a belt drive that meets your customer's needs-i.e. belt style preference, service factor requirements, Taper Lock or QD mounting, etc. Sheave diameter must not be less than minimum diameters shown in Table 20, page G3-163.

Step 6: Select Accessories-See Modifications/Accessories section of catalog to pick out accessories for this application: TXT4 Backstop Assembly - to hold conveyor from moving backwards when shutdown

TXT4 Auxiliary Seal Kit - extra help to keep sand out of the TXT425 reducer

TA4M Motor Mount - to mount motor to top of TXT425 reducer

TXT4D Belt Guard - to cover and protect the rotating belt drive

SELECTION



Torque-Arm Shaft Mount Speed Reducers

Selection Guide: TXT Torque-Arm Shaft Mount Reducers

This is a reference sheet for quick selection and specification of Dodge TXT Torque-Arm shaft mount reducers. Use it to identify information needed to make an accurate selection with a step-by-step selection format for choosing reducers, accessories and belt drive.

Name _____ Company Name _____

Phone No. _____ Fax. No. _____

Application Data:

Type of Driven Equipment _____

Hours of service per day _____ Class of Service _____

Type of Load: Uniform _____ Moderate _____ Shock _____

Motor Type: HP _____ RPM _____ Frame Size _____ Shaft Size _____

RPM of Driven Equipment _____ Driven Shaft Size _____

Type of Reducer Mounting: Horizontal _____ Vertical: Input Up _____

Input Down Incline (Degree of) _____ Flange _____

Unusual Ambient Temperature

Other Pertinent Application Characteristics (i.e.-dusty Environment, Reversing Duty, Start/Stop Cycles. Etc.)

_____

Reducer Driver Selection

Step 1 - Determine Class of Service

Step 2 - From Appropriate Service Class Table, Select Reducer Size And Ration That Meets Application HP And Driven RPM Requirements:

Twin Taper Bushed _____ Straight Bore _____

Step 3 - Select Reducer Accessories Required For Application: Backstop

Motor Mount: Standard _____ Long _____ Bottom _____

Belt Guard: Standard _____ Long _____ Cooling Fan _____

Auxiliary Seal Kit _____

Other _____

Belt Drive Specification:

Service Factor _____ Belt Drive Ratio Needed _____

Belt Center Distance _____ Type of Belt Desired _____

Driver: Shaft Diameter _____ Driven: Shaft Diameter _____

Sheave _____ Sheave _____

Bushing _____ Bushing _____

Belts: Size _____ Quantity _____



Torque-Arm Shaft Mount Speed Reducers

Application Classification And Class

For Application Class and Service, please see pages G1-6 through G1-12.

DODGE® TORQUE-ARM

Dodge® Torque-Arm Family Breather Technology

1. Standard Breather is a filter breather
- Cotton filter media
- Screen to support filter
- Chamber to allow oil to collect and return to reducer
- Non captured filter (should not clog and block air exit)

1.



2. Harsh Duty Breathers are available
- 40 micron ceramic filter breather
- Ceramic filter with metal cover

2.



3. Hydra-Lock Desiccant Breather
- Built in standpipe
- 3 micron filter media top and bottom
- Desiccant material changes color from blue (good) to pink (replace)
- Check valve system, so breather is only open to atmosphere under pressure or vacuum. Closed when not running.

3.



4. Fully Enclosed Canister Breather
- Allows no outside air
- Excellent protections for extreme wet environments

4.



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NOTES



EASY SELECTION



Torque-Arm Shaft Mount Speed Reducers

Table 2 - Class I Selection Table TXT Reducers ★

HP	Output RPM	Reducer Selection		
		Single	Double	
1/4	4-70	–	TXT125A	TXT115A
	71-85	–	TXT115A	TXT125A
	86-115	–	TXT115A	TXT109A
	116-140	TXT105	TXT109A	TXT115A
	141-200	TXT105	TXT109A	
	201-400	TXT105	–	–
1/3	5-70	–	TXT125A	TXT115A
	71-85	–	TXT115A	TXT125A
	86-115	–	TXT115A	TXT109A
	116-140	TXT105	TXT109A	TXT115A
	141-200	TXT105	TXT109A	
	201-400	TXT105	–	–
1/2	4-6	–	TXT225A	
	7-70	–	TXT125A	TXT115A
	71-85	–	TXT115A	TXT125A
	86-115	–	TXT115A	TXT109A
	116-140	TXT105	TXT109A	TXT115A
	141-200	TXT105	TXT109A	
	201-400	TXT105	–	–
3/4	4-5	–	TXT325B	
	6-10	–	TXT225A	
	11-70	–	TXT125A	TXT115A
	71-85	–	TXT115A	TXT125A
	86-115	–	TXT115A	TXT109A
	116-140	TXT105	TXT109A	TXT115A
	141-200	TXT105	TXT109A	
	201-400	TXT105	–	–
1	4-5	–	TXT425B	
	6-7	–	TXT325B	
	8-15	–	TXT225A	
	16-70	–	TXT125A	TXT115A
	71-85	–	TXT115A	TXT125A
	86-115	–	TXT115A	TXT109A
	116-140	TXT105	TXT109A	TXT115A
	141-200	TXT105	TXT109A	
	201-400	TXT105	–	–
1-1/2	4	–	TXT525C	
	5-7	–	TXT425B	
	8-12	–	TXT325B	
1-1/2 (Continued)	13-23	–	TXT225A	
	24-70	–	TXT125A	TXT115A
	71-85	–	TXT115A	TXT125A
	86-115	–	TXT115A	TXT109A
	116-140	TXT105	TXT109A	TXT115A
	141-200	TXT105	TXT109A	
	201-400	TXT105	–	–
2	4-6	–	TXT525C	
	7-10	–	TXT425B	
	11-17	–	TXT325B	
	18-32	–	TXT225A	TXT215A
	33-70	–	TXT125A	TXT115A
	71-85	–	TXT115A	TXT125A
	86-115	–	TXT115A	TXT109A
	116-140	TXT105	TXT109A	TXT115A
	141-200	TXT105	TXT109A	
	201-400	TXT105	–	
3	4-5	–	TXT625A	
	6-10	–	TXT525C	
	11-15	–	TXT425B	
	16-26	–	TXT325B	
	27-51	–	TXT225A	TXT215A
	52-70	–	TXT125A	TXT115A
	71-85	–	TXT115A	TXT125A
	86-115	–	TXT115A	TXT109A
	116-140	TXT105	TXT109A	TXT115A
	141-200	TXT105	TXT109A	
	201-400	TXT105	–	–
5	5-6	–	TXT725A	
	7-9	–	TXT625A	
	10-17	–	TXT525C	
	18-26	–	TXT425B	TXT415B
	27-46	–	TXT325B	TXT315B
	47-70	–	TXT225A	TXT215A
	71-85	–	TXT215A	TXT225A
	86-92	–	TXT109A	TXT215A
	93-115	–	TXT115A	TXT109A
	116-119	–	TXT109A	TXT115A
	120-140	TXT105	TXT109A	TXT115A

★ See page G3-173 for lubrication for 15 RPM and slower

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EASY SELECTION

Torque-Arm Shaft Mount Speed Reducers

Table 2 - Class I Selection Table TXT Reducers ★

HP	Output RPM	Reducer Selection		
		Single	Double	
5 (Continued)	141-200	TXT105	TXT109A	
	201-400	TXT105	–	–
7-1/2	4-6	–	TXT825A	
	7-9	–	TXT725A	
	10-15	–	TXT625A	
	16-26	–	TXT525C	
	27-40	–	TXT425B	TXT415B
	41-70	–	TXT325B	TXT315B
	71-74	–	TXT315B	TXT325B
	75-85	–	TXT215A	TXT225A
	86-95	–	TXT215A	TXT209A
	96-140	TXT205	TXT209A	TXT215A
	141-200	TXT205	TXT209A	
	201-231	TXT205	–	–
	232-400	TXT105	–	–
10	5	–	TXT926A	
	6-8	–	TXT825A	
	9-12	–	TXT725A	
	13-20	–	TXT625A	
	21-36	–	TXT525C	TXT515C
	37-56	–	TXT425B	TXT415B
	57-70	–	TXT325B	TXT315B
	71-85	–	TXT315B	TXT325B
	86-103	–	TXT315B	TXT309B
	104-115	–	TXT215A	TXT209A
	116-140	TXT305A	TXT215A	
	141-158	TXT305A	TXT309B	
	159-200	TXT305A	TXT309B	
	201-400	TXT205	–	–
15	5-6	–	TXT1024A	
	7-8	–	TXT926A	
	9-13	–	TXT825A	
	14-19	–	TXT725A	
	20-32	–	TXT625A	TXT615A
	33-56	–	TXT525C	TXT515C
	57-70	–	TXT425B	TXT415B
	71-85	–	TXT415B	TXT425B
	86-93	–	TXT415B	TXT409B
	94-115	–	TXT309B+	TXT315B

HP	Output RPM	Reducer Selection		
		Single	Double	
15 (Continued)	116-140	TXT405A	TXT315B	TXT309B+
	141-145	TXT405A	TXT309B+	
	146-200	TXT305A	TXT309B+	
	201-400	TXT305A	–	
20	4-6	–	TXT1225	
	7-8	–	TXT1024A	
	9-12	–	TXT926A	
	13-18	–	TXT825A	
	19-26	–	TXT725A	TXT715A
	27-45	–	TXT625A	TXT615A
	46-70	–	TXT525C	TXT515C
	71-78	–	TXT515C	TXT525C
	79-85	–	TXT415B	TXT425B
	86-115	–	TXT415B	TXT409B+
	116-140	TXT405A	TXT409B+	TXT415B+
	141-200	TXT405A	TXT309B+	
	201-241	TXT405A	–	–
	242-400	TXT305A+	–	–
25	5-7	–	TXT1225	
	8-10	–	TXT1024A	
	11-15	–	TXT926A	
	16-23	–	TXT825A	
	24-33	–	TXT725A	TXT715A
	34-59	–	TXT625A	TXT615A
	60-70	–	TXT525C+	TXT515C+
	71-80	–	TXT515C+	TXT525C+
	81-101	–	TXT515C+	TXT509C+
	102-132	TXT505A	TXT415B+	TXT409B+
	133-140	TXT505A	TXT409B+	TXT415B+
	141-163	TXT505A	TXT409B+	
	164-200	TXT405A+	TXT409B+	
	201-400	TXT405A+	–	–
30	4-5	–	TDT1425	
	6-9	–	TXT1225	
	10-13	–	TXT1024A	
	14-19	–	TXT926A	
	20-28	–	TXT825A	TXT815A
	29-41	–	TXT725A	TXT715A
	42-70	–	TXT625A	TXT615A

★ See page G3-173 for lubrication for 15 RPM and slower

+ Fan cooling required - see page G3-81.

FEATURES/BENEFITS PAGE G3-2	SPECIFICATION PAGE G3-9	MODIFICATION/ACCESSORIES PAGE G3-72, G3-122	RELATED PRODUCTS PAGE G3-154

EASY SELECTION



Torque-Arm Shaft Mount Speed Reducers

Table 2 - Class I Selection Table TXT Reducers ★

HP	Output RPM	Reducer Selection		
		Single	Double	
30 (Continued)	71-75	–	TXT615A	TXT625A
	76-115	–	TXT515C+	TXT509C+
	116-125	TXT605	TXT509C+	TXT515C+
	126-131	TXT605	TXT409B+	
	132-200	TXT505A	TXT409B+	
	201-215	TXT505A+	–	
	216-400	TXT405A+	–	–
40	5-6	–	TDT1425	
	7	–	TDT1325	
	8-12	–	TXT1225	
	13-18	–	TXT1024A	
	19-25	–	TXT926A	TXT915A
	26-38	–	TXT825A	TXT815A
	39-57	–	TXT725A	TXT715A
	58-70	–	TXT625A	TXT615A
	71-81	–	TXT615A+	TXT625A+
	82-114	TXT605	TXT615A+	TXT609A+
	115-125	TXT605	TXT515C+	TXT509C+
	126-200	TXT605	TXT509C+	
	201-241	TXT605	–	–
	242-400	TXT505A+	–	–
50	3-5	–	TDT1530	
	6-8	–	TDT1425	
	9	–	TDT1325	
	10-15	–	TXT1225	
	16-22	–	TXT1024A	
	23-32	–	TXT926A	TXT915A
	33-49	–	TXT825A	TXT815A
	50-70	–	TXT725A	TXT715A
	71-74	–	TXT715A	TXT725A
	75-125	–	TXT615A+	TXT709A+
	126-163	TXT605+	TXT709A+	
	164-200	TXT605+	TXT609A+	
	201-400	TXT605+	–	–
60	4-6	–	TDT1530	
	7-11	–	TDT1425	
	12	–	TDT1325	
	13-18	–	TXT1225	
	19-27	–	TXT1024A	TXT1015A

HP	Output RPM	Reducer Selection		
		Single	Double	
60 (Continued)	28-39	–	TXT926A	TXT915A
	40-60	–	TXT825A	TXT815A
	61-70	–	TXT725A+	TXT715A+
	71-120	–	TXT715A+	TXT709A+
	121-131	TXT705	TXT709A+	
	132-200	TXT605+	TXT709A+	
	201-400	TXT605+	–	–
75	5-8	–	TDT1530	
	9-13	–	TDT1425	
	14-15	–	TDT1325	
	16-23	–	TXT1225	
	24-34	–	TXT1024A	TXT1015A
	35-50	–	TXT926A	TXT915A
	51-70	–	TXT825A	TXT815A
	71-78	–	TXT815A+	
	79-120	–	TXT715A+	TXT709A+
	121-200	TXT705	TXT709A+	
	201-210	TXT705	–	–
	211-400	TXT605+	–	–
100	6-11	–	TDT1530	
	12-17	–	TDT1425	
	18-22	–	TDT1325	
	23-31	–	TXT1225	TXT1215
	32-46	–	TXT1024A	TXT1015A
	47-69	–	TXT926A+	TXT915A+
	70-120	–	TXT815A+	
	121-123	TXT805+	TXT709A+	
	124-200	TXT705+	TXT709A+	
	201-400	TXT705+	–	–
125	8-14	–	TDT1530	
	15-22	–	TDT1425	
	23-29	–	TDT1325	
	30-40	–	TXT1225	TXT1215
	41-59	–	TXT1024A	TXT1015A
	60-70	–	TXT915A+	TXT926A+
	71-90	–	TXT915A+	
	91-123	–	TXT815A+	
	124-172	TXT805+	–	–
	173-400	TXT705+	–	–

★ See page G3-173 for lubrication for 15 RPM and slower

+ Fan cooling required - see page G3-81.

DODGE®



Torque-Arm Shaft Mount Speed Reducers

Table 2 - Class I Selection Table TXT Reducers ★

HP	Output RPM	Reducer Selection		
		Single	Double	
150	9-17	–	TDT1530	
	18-27	–	TDT1425	
	28-36	–	TDT1325	
	37-49	–	TXT1225	TXT1215
	50-70	–	TXT1024A	TXT1015A
	71-75	–	TXT1015A+	TXT1024A+
	76-80	–	TXT1015A+	
	81-120	–	TXT915A+	
	121-165	TXT905	–	–
	166-400	TXT805+	–	–
200	12-23	–	TDT1530	
	24-36	–	TDT1425	
	37-51	–	TDT1325+	
	52-68	–	TXT1225✻	TXT1215✻
	69-120	–	TXT1015A+	
	212-400	TXT905+	–	–
250	16-30	–	TDT1530	
	31-46	–	TDT1425+	
	47-67	–	TDT1325+	
	68-75	–	TXT1225✻	TXT1215✻
	76-120	–	TXT1215✻	

HP	Output RPM	Reducer Selection	
		Single	Double
300	19-36	–	TDT1530
	37-58	–	TDT1425✻
	59-70	–	TDT1325+
	71-75	–	TDT1325✻
	83-120	–	TXT1215✻
350	23-43	–	TDT1530+
	44-69	–	TDT1425✻
	70-75	–	TDT1325✻
400	27-50	–	TDT1530+
	51-75	–	TDT1425✻
450	30-31	–	TDT1530✻
	32-57	–	TDT1530+
	59-75	–	TDT1425✻
500	34-57	–	TDT1530✻
	66-75	–	TDT1425✻
600	41-57	–	TDT1530✻
700	50-57	–	TDT1530✻

★ See page G3-173 for lubrication for 15 RPM and slower

\+ Fan cooling required - see page G3-81.

✻ Heat exchanger required - see page G3-81.

EASY SELECTION



Torque-Arm Shaft Mount Speed Reducers

Table 3 - Class II Selection Table TXT Reducers ★

HP	Output RPM	Reducer Selection		
		Single	Double	
1/4	5-70	–	TXT125A	TXT115A
	71-85	–	TXT115A	TXT125A
	86-115	–	TXT115A	TXT109A
	116-140	TXT105	TXT109A	TXT115A
	141-200	TXT105	TXT109A	
	201-400	TXT105	–	–
1/3	4-6	–	TXT225A	
	7-70	–	TXT125A	TXT115A
	71-85	–	TXT115A	TXT125A
	86-115	–	TXT115A	TXT109A
	116-140	TXT105	TXT109A	TXT115A
	141-200	TXT105	TXT109A	
	201-400	TXT105	–	–
1/2	4-5	–	TXT325B	
	6-9	–	TXT225A	
	10-70	–	TXT125A	TXT115A
	71-85	–	TXT115A	TXT125A
	86-115	–	TXT115A	TXT109A
	116-140	TXT105	TXT109A	TXT115A
	141-200	TXT105	TXT109A	
	201-400	TXT105	–	–
3/4	4-5	–	TXT425B	
	6-8	–	TXT325B	
	9-16	–	TXT225A	
	17-70	–	TXT125A	TXT115A
	71-85	–	TXT115A	TXT125A
	86-115	–	TXT115A	TXT109A
	116-140	TXT105	TXT109A	TXT115A
	141-200	TXT105	TXT109A	
	201-400	TXT105	–	–
1	5-7	–	TXT425B	
	8-11	–	TXT325B	
	12-22	–	TXT225A	
	23-70	–	TXT125A	TXT115A
	71-85	–	TXT115A	TXT125A
	86-115	–	TXT115A	TXT109A
	116-140	TXT105	TXT109A	TXT115A
	141-200	TXT105	TXT109A	
	201-400	TXT105	–	–

HP	Output RPM	Reducer Selection		
		Single	Double	
1-1/2	5-6	–	TXT525C	
	7-11	–	TXT425B	
	12-18	–	TXT325B	
	19-34	–	TXT225A	TXT215A
	35-70	–	TXT125A	TXT115A
	71-85	–	TXT115A	TXT125A
	86-115	–	TXT115A	TXT109A
	116-140	TXT105	TXT109A	TXT115A
	141-200	TXT105	TXT109A	
	201-400	TXT105	–	–
2	4-5	–	TXT625A	
	6-9	–	TXT525C	
	10-14	–	TXT425B	
	15-24	–	TXT325B	TXT315B
	25-47	–	TXT225A	TXT215A
	48-70	–	TXT125A	TXT115A
	71-85	–	TXT115A	TXT125A
	86-115	–	TXT115A	TXT109A
	116-140	TXT105	TXT109A	TXT115A
	141-200	TXT105	TXT109A	
	201-400	TXT105	–	–
3	4-5	–	TXT725A	
	6-8	–	TXT625A	
	9-14	–	TXT525C	
	15-22	–	TXT425B	TXT415B
	23-38	–	TXT325B	TXT315B
	39-70	–	TXT225A	TXT215A
	71-75	–	TXT215A	TXT225A
	76-85	–	TXT115A	TXT125A
	86-115	–	TXT115A	TXT109A
	116-140	TXT105	TXT109A	TXT115A
	141-200	TXT105	TXT109A	
	201-400	TXT105	–	–
5	4-6	–	TXT825A	
	7-8	–	TXT725A	
	9-14	–	TXT625A	
	15-24	–	TXT525C	
	25-37	–	TXT425B	TXT415B
	38-69	–	TXT325B	TXT315B

★ See page G3-173 for lubrication for 15 RPM and slower

+ Fan cooling required - see page G3-81.

FEATURES/BENEFITS PAGE G3-2	SPECIFICATION PAGE G3-9	MODIFICATION/ACCESSORIES PAGE G3-72, G3-122	RELATED PRODUCTS PAGE G3-154

DODGE®



Torque-Arm Shaft Mount Speed Reducers

Table 3 - Class II Selection Table TXT Reducers ★

HP	Output RPM	Reducer Selection		
		Single	Double	
5 (Continued)	70-85	–	TXT215A	TXT225A
	86-89	–	TXT215A	TXT209A
	90-136	TXT205	TXT209A	TXT215A
	137-140	TXT205	TXT115A	TXT209A
	141-191	TXT205	TXT109A	
	192-200	TXT105	TXT109A	
	201-400	TXT105	–	–
7-1/2	5	–	TXT926A	
	6-9	–	TXT825A	
	10-13	–	TXT725A	
	14-21	–	TXT625A	
	22-38	–	TXT525C	TXT515C
	39-59	–	TXT425B	TXT415B
	60-70	–	TXT325B	TXT315B
	71-85	–	TXT315B	TXT325B
	86-110	–	TXT315B	TXT309B
	111-122	–	TXT215A	
	123-140	TXT305A	TXT209A	TXT215A
	141-183	TXT305A	TXT209A	
	184-200	TXT205	TXT209A	
	201-400	TXT205	–	–
10	4	–	TXT1225	
	5	–	TXT1024A	
	6-7	–	TXT926A	
	8-12	–	TXT825A	
	13-18	–	TXT725A	
	19-29	–	TXT625A	TXT615A
	30-52	–	TXT525C	TXT515C
	53-70	–	TXT425B	TXT415B
	71-84	–	TXT415B	TXT425B
	85-130	–	TXT315B	TXT309B
	131-140	TXT305A	TXT315B	TXT309B
	141-200	TXT305A	TXT309B	
	201-353	TXT305A	–	–
	354-400	TXT205	–	–
15	4-6	–	TXT1225	
	7-9	–	TXT1024A	
	10-12	–	TXT926A	
	13-19	–	TXT825A	

★ See page G3-173 for lubrication for 15 RPM and slower

HP	Output RPM	Reducer Selection		
		Single	Double	
15 (Continued)	20-27	–	TXT725A	
	28-47	–	TXT625A	TXT615A
	48-70	–	TXT525C	TXT515C
	71-82	–	TXT515C	TXT525C
	83-117	–	TXT415B	TXT409B
	118-140	TXT405A	TXT409B	TXT415B
	141-150	TXT405A	TXT409B	
	151-200	TXT405A	TXT309B+	
	201-269	TXT405A	–	–
	270-400	TXT305A	–	–
20	5	–	TDT1325	
	6-8	–	TXT1225	
	9-12	–	TXT1024A	
	13-17	–	TXT926A	
	18-26	–	TXT825A	
	27-38	–	TXT725A	TXT715A
	39-68	–	TXT625A	TXT615A
	69-80	–	TXT515C	TXT525C
	81-89	–	TXT515C	
	90-117	–	TXT515C+	TXT509C+
	118-125	TXT505A	TXT409B+	TXT415B+
	126-200	TXT505A	TXT409B+	
	201-400	TXT405A+	–	–
25	4-6	–	TDT1425	
	7-10	–	TXT1225	
	11-15	–	TXT1024A	
	16-22	–	TXT926A	
	23-33	–	TXT825A	TXT815A
	34-49	–	TXT725A	TXT715A
	50-80	–	TXT615A	TXT625A
	81-94	–	TXT615A	TXT609A
	95-125	TXT605	TXT509C+	TXT515C+
	126-174	TXT605	TXT509C+	
	175-200	TXT505A	TXT409B+	
	201-270	TXT505A	–	–
	271-400	TXT405A+	–	–
30	5-7	–	TDT1425	
	8	–	TDT1325	
	9-12	–	TXT1225	

+ Fan cooling required - see page G3-81.

FEATURES/BENEFITS PAGE G3-2	SPECIFICATION PAGE G3-9	MODIFICATION/ACCESSORIES PAGE G3-72, G3-122	RELATED PRODUCTS PAGE G3-154

EASY SELECTION



Torque-Arm Shaft Mount Speed Reducers

Table 3 - Class II Selection Table TXT Reducers ★

HP	Output RPM	Reducer Selection		
		Single	Double	
30 (Continued)	13-19	–	TXT1024A	
	20-27	–	TXT926A	TXT915A
	28-41	–	TXT825A	TXT815A
	42-60	–	TXT725A	TXT715A
	61-76	–	TXT625A	TXT615A
	77-89	–	TXT615A	TXT609A
	90-125	TXT605	TXT615A+	TXT609A+
	126-200	TXT605	TXT509C+	
	201-233	TXT605	–	–
	234-349	TXT505A+	–	–
	350-400	TXT405A+	–	–
40	4-6	–	TDT1530	
	7-9	–	TDT1425	
	10-11	–	TDT1325	
	12-17	–	TXT1225	
	18-25	–	TXT1024A	
	26-36	–	TXT926A	TXT915A
	37-56	–	TXT825A	TXT815A
	57-75	–	TXT725A	TXT715A
	76-88	–	TXT715A	
	89-114	–	TXT615A+	TXT609A+
	115-120	–	TXT615A+	TXT609A+
	121-200	TXT605	TXT609A+	
	201-347	TXT605+	–	–
	348-400	TXT505A+	–	–
50	5-8	–	TDT1530	
	9-12	–	TDT1425	
	13-14	–	TDT1325	
	15-21	–	TXT1225	
	22-32	–	TXT1024A	TXT1015A
	33-46	–	TXT926A	TXT915A
	47-70	–	TXT825A	TXT815A
	71-72	–	TXT815A	TXT825A
	73-95	–	TXT715A+	
	96-110	TXT705	TXT709A	TXT715A+
	111-120	TXT705	TXT709A+	TXT715A+
	121-179	TXT705	TXT709A+	
	180-200	TXT605+	TXT609A+	
	201-400	TXT605+	–	–

★ See page G3-173 for lubrication for 15 RPM and slower

HP	Output RPM	Reducer Selection		
		Single	Double	
60	5-9	–	TDT1530	
	10-14	–	TDT1425	
	15-18	–	TDT1325	
	19-26	–	TXT1225	
	27-39	–	TXT1024A	TXT1015A
	40-56	–	TXT926A	TXT915A
	57-70	–	TXT825A	TXT815A
	71-75	–	TXT815A	TXT825A
	76-89	–	TXT815A	
	90-120	TXT705	TXT715A+	TXT709A+
	121-200	TXT705	TXT709A+	
	201-285	TXT705	–	–
	286-400	TXT605+	–	–
75	7-12	–	TDT1530	
	13-18	–	TDT1425	
	19-24	–	TDT1325	
	25-33	–	TXT1225	TXT1215
	34-49	–	TXT1024A	TXT1015A
	50-73	–	TXT926A	TXT915A
	74-75	–	TXT815A	TXT825A
	76-120	TXT805	TXT815A+	
	121-133	TXT805	TXT709A+	
	134-200	TXT705	TXT709A+	
	201-400	TXT705	–	–
100	8-16	–	TDT1530	
	17-25	–	TDT1425	
	26-33	–	TDT1325	
	34-45	–	TXT1225	TXT1215
	46-67	–	TXT1024A	TXT1015A
	68-75	–	TXT915A+	TXT926A+
	76-103	–	TXT915A+	
	104-120	TXT905	TXT815A+	
	121-149	TXT905	–	–
	150-180	TXT805	–	–
	181-200	TXT805	TXT709A	
	201-204	TXT805	–	–
	205-246	TXT705	–	–
	247-400	TXT705+	–	–

+Fan cooling required - see page G3-81.
✻ Heat exchange required - see page G3-81



Torque-Arm Shaft Mount Speed Reducers

Table 3 - Class II Selection Table TXT Reducers ★

HP	Output RPM	Reducer Selection		
		Single	Double	
125	11-20	–	TDT1530	
	21-31	–	TDT1425	
	32-43	–	TDT1325	
	44-58	–	TXT1225	TXT1215
	59-75	–	TXT1024A	TXT1015A
	76-85	–	TXT1015A	
	86-120	–	TXT915A+	
	145-209	TXT905	–	–
	210-303	TXT805+	–	–
	304-400	TXT705+	–	–
150	13-25	–	TDT1530	
	26-38	–	TDT1425	
	39-54	–	TDT1325	
	55-72	–	TXT1225+	TXT1215+
	73-75	–	TXT1015A+	TXT1024A+
	76-120	–	TXT1015A+	
	184-279	TXT905+	–	–
	280-400	TXT805+	–	–

HP	Output RPM	Reducer Selection	
		Single	Double
200	18-33	–	TDT1530
	34-53	–	TDT1425+
	54-75	–	TDT1325+
	77-120	–	TXT1215✻
250	23-42	–	TDT1530
	43-46	–	TDT1425+
	47-69	–	TDT1425✻
	70-75	–	TDT1325+
300	28-53	–	TDT1530
	54-75	–	TDT1425✻
350	33-57	–	TDT1530
	66-75	–	TDT1425✻
400	38-57	–	TDT1530+
450	43-57	–	TDT1530+
500	50-57	–	TDT1530+

★ See page G3-173 for lubrication for 15 RPM and slower

\+ Fan cooling required - see page G3-81.

✻ Heat exchanger required - see page G3-81.

EASY SELECTION

Torque-Arm Shaft Mount Speed Reducers

Table 4 - Class III Selection Table TXT Reducers ★

HP	Output RPM	Reducer Selection		
		Single	Double	
1/4	4-6	–	TXT225A	
	7-70	–	TXT125A	TXT115A
	71-85	–	TXT115A	TXT125A
	86-89	–	TXT115A	TXT109A
	90-115	–	TXT115A	TXT109A
	116-140	TXT105	TXT109A	TXT115A
	141-200	TXT105	TXT109A	
	201-400	TXT105	–	–
1/3	5-9	–	TXT225A	
	10-70	–	TXT125A	TXT115A
	71-85	–	TXT115A	TXT125A
	86-115	–	TXT115A	TXT109A
	116-140	TXT105	TXT109A	TXT115A
	141-200	TXT105	TXT109A	
	201-400	TXT105	–	–
1/2	4-5	–	TXT425B	
	6-7	–	TXT325B	
	8-15	–	TXT225A	
	16-70	–	TXT125A	TXT115A
	71-85	–	TXT115A	TXT125A
	86-115	–	TXT115A	TXT109A
	116-140	TXT105	TXT109A	TXT115A
	141-200	TXT105	TXT109A	
	201-400	TXT105	–	–
3/4	4	–	TXT525C	
	5-7	–	TXT425B	
	8-12	–	TXT325B	
	13-23	–	TXT225A	
	24-70	–	TXT125A	TXT115A
	71-85	–	TXT115A	TXT125A
	86-115	–	TXT115A	TXT109A
	116-140	TXT105	TXT109A	TXT115A
	141-200	TXT105	TXT109A	
	201-400	TXT105	–	–
1	4-6	–	TXT525C	
	7-10	–	TXT425B	
	11-17	–	TXT325B	
	18-32	–	TXT225A	
	33-70	–	TXT125A	TXT115A
1 (Continued)	71-85	–	TXT115A	TXT125A
	86-115	–	TXT115A	TXT109A
	116-140	TXT105	TXT109A	TXT115A
	141-200	TXT105	TXT109A	
	201-400	TXT105	–	–
1-1/2	4-5	–	TXT625A	
	6-10	–	TXT525C	
	11-15	–	TXT425B	
	16-26	–	TXT325B	
	27-51	–	TXT225A	TXT215A
	52-70	–	TXT125A	TXT115A
	71-85	–	TXT115A	TXT125A
	86-115	–	TXT115A	TXT109A
	116-140	TXT105	TXT109A	TXT115A
	141-200	TXT105	TXT109A	
	201-400	TXT105	–	–
2	5-7	–	TXT625A	
	8-13	–	TXT525C	
	14-21	–	TXT425B	
	22-36	–	TXT325B	TXT315B
	37-71	–	TXT225A	TXT215A
	72-85	–	TXT115A	TXT125A
	86-115	–	TXT115A	TXT109A
	116-140	TXT105	TXT109A	TXT115A
	141-200	TXT105	TXT109A	
	201-400	TXT105	–	–
3	4-5	–	TXT825A	
	6-7	–	TXT725A	
	8-12	–	TXT625A	
	13-20	–	TXT525C	
	21-32	–	TXT425B	TXT415B
	33-57	–	TXT325B	TXT315B
	58-70	–	TXT225A	TXT215A
	71-85	–	TXT215A	TXT225A
	86-89	–	TXT215A	TXT209A
	90-113	TXT205	TXT215A	TXT209A
	114-140	TXT205	TXT109A	TXT115A
	141-155	TXT205	TXT109A	
	156-200	TXT105	TXT109A	
	201-400	TXT105	–	–

★ See page G3-173 for lubrication for 15 RPM and slower

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EASY SELECTION

Torque-Arm Shaft Mount Speed Reducers

Table 4 - Class III Selection Table TXT Reducers ★

HP	Output RPM	Reducer Selection		
		Single	Double	
5	5	–	TXT926A	
	6-8	–	TXT825A	
	9-12	–	TXT725A	
	13-20	–	TXT625A	
	21-36	–	TXT525C	TXT515C
	37-56	–	TXT425B	TXT415B
	57-70	–	TXT325B	TXT315B
	71-85	–	TXT315B	TXT325B
	86-103	–	TXT315B	TXT309B
	104-114	TXT305A	TXT215A	TXT309B
	115-140	TXT305A	TXT209A	TXT215A
	141-167	TXT305A	TXT209A	
	168-200	TXT205	TXT209A	
	201-400	TXT205	–	–
7-1/2	5-6	–	TXT1024A	
	7-8	–	TXT926A	
	9-13	–	TXT825A	
	14-19	–	TXT725A	
	20-32	–	TXT625A	TXT615A
	33-56	–	TXT525C	TXT515C
	57-70	–	TXT425B	TXT415B
	71-85	–	TXT415B	TXT425B
	86-93	–	TXT415B	TXT409B
	94-140	TXT405A	TXT309B	TXT315B
	141-144	TXT405A	TXT309B	
	145-200	TXT305A	TXT309B	
	201-400	TXT305A	–	–
10	4-6	–	TXT1225	
	7-8	–	TXT1024A	
	9-12	–	TXT926A	
	13-18	–	TXT825A	
	19-26	–	TXT725A	TXT715A
	27-45	–	TXT625A	TXT615A
	46-70	–	TXT525C	TXT515C
	71-78	–	TXT515C	TXT525C
	79-92	–	TXT415B	
	93-105	–	TXT415B	TXT409B
	106-141	TXT405A	TXT409B	TXT415B
	142-200	TXT405A	TXT309B	

HP	Output RPM	Reducer Selection		
		Single	Double	
10 (Continued)	201-241	TXT405A	–	–
	242-400	TXT305A	–	–
15	4-5	–	TDT1425	
	6-9	–	TXT1225	
	10-13	–	TXT1024A	
	14-19	–	TXT926A	
	20-28	–	TXT825A	TXT815A
	29-41	–	TXT725A	TXT715A
	42-70	–	TXT625A	TXT615A
	71-75	–	TXT615A	TXT625A
	76-93	–	TXT515C	
	94-115	–	TXT515C	TXT509C
	116-125	TXT605	TXT509C	TXT515C
	126-131	TXT605	TXT509C	
	132-200	TXT505A	TXT409B	
	201-215	TXT505A	–	–
	216-400	TXT405A	–	–
20	5-6	–	TDT1425	
	7	–	TDT1325	
	8-12	–	TXT1225	
	13-18	–	TXT1024A	
	19-25	–	TXT926A	TXT915A
	26-38	–	TXT825A	TXT815A
	39-57	–	TXT725A	TXT715A
	58-70	–	TXT625A	TXT615A
	71-114	–	TXT615A	TXT609A
	115-125	TXT605	TXT509C+	TXT515C+
	126-200	TXT605	TXT509C+	
	201-218	TXT605	–	–
	219-324	TXT505A	–	–
	325-400	TXT405A+	–	–
25	4-5	–	TDT1530	
	6-8	–	TDT1425	
	9	–	TDT1325	
	10-15	–	TXT1225	
	16-22	–	TXT1024A	
	23-32	–	TXT926A	TXT915A
	33-49	–	TXT825A	TXT815A
	50-70	–	TXT725A	TXT715A

★ See page G3-173 for lubrication for 15 RPM and slower

+ Fan cooling required - see page G3-81.

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EASY SELECTION

Torque-Arm Shaft Mount Speed Reducers

Table 4 - Class III Selection Table TXT Reducers ★

HP	Output RPM	Reducer Selection		
		Single	Double	
25 (Continued)	71-74	–	TXT715A	TXT725A
	75-104	–	TXT615A	TXT609A
	105-113	–	TXT615A+	TXT609A
	114-125	TXT605	TXT615A+	TXT609A+
	126-200	TXT605	TXT609A+	
	201-294	TXT605	–	–
	295-400	TXT505A+	–	–
30	4-6	–	TDT1530	
	7-10	–	TDT1425	
	11-12	–	TDT1325	
	13-18	–	TXT1225	
	19-27	–	TXT1024A	TXT1015A
	28-39	–	TXT926A	TXT915A
	40-60	–	TXT825A	TXT815A
	61-70	–	TXT725A	TXT715A
	71-98	–	TXT715A	
	99-125	–	TXT615A+	TXT609A+
	126-131	TXT705	TXT609A+	
	132-200	TXT605	TXT609A+	
	201-381	TXT605	–	–
	382-400	TXT505A+	–	–
40	5-9	–	TDT1530	
	10-14	–	TDT1425	
	15-17	–	TDT1325	
	18-25	–	TXT1225	
	26-37	–	TXT1024A	TXT1015A
	38-53	–	TXT926A	TXT915A
	54-70	–	TXT825A	TXT815A
	71-84	–	TXT815A	
	85-89	–	TXT715A	TXT709A
	90-120	TXT705	TXT715A+	TXT709A
	121-200	TXT705	TXT709A+	
	201-249	TXT705	–	–
	250-400	TXT605+	–	–
50	6-11	–	TDT1530	
	12-17	–	TDT1425	
	18-22	–	TDT1325	
	23-31	–	TXT1225	TXT1215
	32-46	–	TXT1024A	TXT1015A

HP	Output RPM	Reducer Selection		
		Single	Double	
50 (Continued)	47-69	–	TXT926A	TXT915A
	70-75	–	TXT815A	TXT825A
	76-110	–	TXT815A	
	111-120	–	TXT715A+	TXT709A+
	121-123	TXT805	TXT709A+	
	124-200	TXT705	TXT709A+	
	201-400	TXT705	–	–
60	7-14	–	TDT1530	
	15-21	–	TDT1425	
	22-28	–	TDT1325	
	29-38	–	TXT1225	TXT1215
	39-56	–	TXT1024A	TXT1015A
	57-75	–	TXT926A	TXT915A
	76-85	–	TXT915A	
	86-115	–	TXT815A	
	116-141	TXT805	–	–
	142-161	TXT805	TXT709A+	
	162-200	TXT705	TXT709A+	
	201-400	TXT705		
75	9-17	–	TDT1530	
	18-26	–	TDT1425	
	27-36	–	TDT1325	
	37-49	–	TXT1225	TXT1215
	50-72	–	TXT1024A	TXT1015A
	73-75	–	TXT915A+	TXT926A+
	76-120	–	TXT915A+	
	121-165	TXT905	–	–
	166-234	TXT805	–	–
	235-400	TXT705	–	–
100	12-23	–	TDT1530	
	24-36	–	TDT1425	
	37-51	–	TDT1325	
	52-68	–	TXT1225+	TXT1215+
	69-120	–	TXT1015A	
	175-259	TXT905	–	–
	260-387	TXT805+	–	–
	388-400	TXT705+	–	–
125	16-30	–	TDT1530	
	31-43	–	TDT1425	

★ See page G3-173 for lubrication for 15 RPM and slower

+ Fan cooling required - see page G3-81.

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Torque-Arm Shaft Mount Speed Reducers

Table 4 - Class III Selection Table TXT Reducers ★

HP	Output RPM	Reducer Selection		
		Single	Double	
125 (Continued)	44-46	–	TDT1425+	
	47-67	–	TDT1325	
	68-70	–	TXT1225+	TXT1215+
	71-75	–	TXT1215+	TXT1225+
	76-90	–	TXT1215+	
	91-120	–	TXT1015A+	
150	19-36	–	TDT1530	
	37-41	–	TDT1425	
	42-58	–	TDT1425+	
	59-75	–	TDT1325+	
	83-110	–	TXT1215✻	

HP	Output RPM	Reducer Selection	
		Single	Double
200	27-50	–	TDT1530
	51-75	–	TDT1425✻
250	34-57	–	TDT1530
	66-75	–	TDT1425✻
300	41-57	–	TDT1530
350	50-57	–	TDT1530

★ See page G3-173 for lubrication for 15 RPM and slower

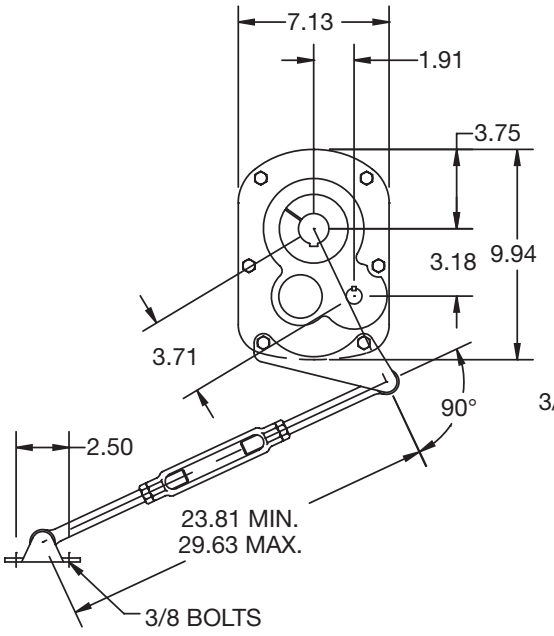
\+ Fan cooling required - see page G3-81.

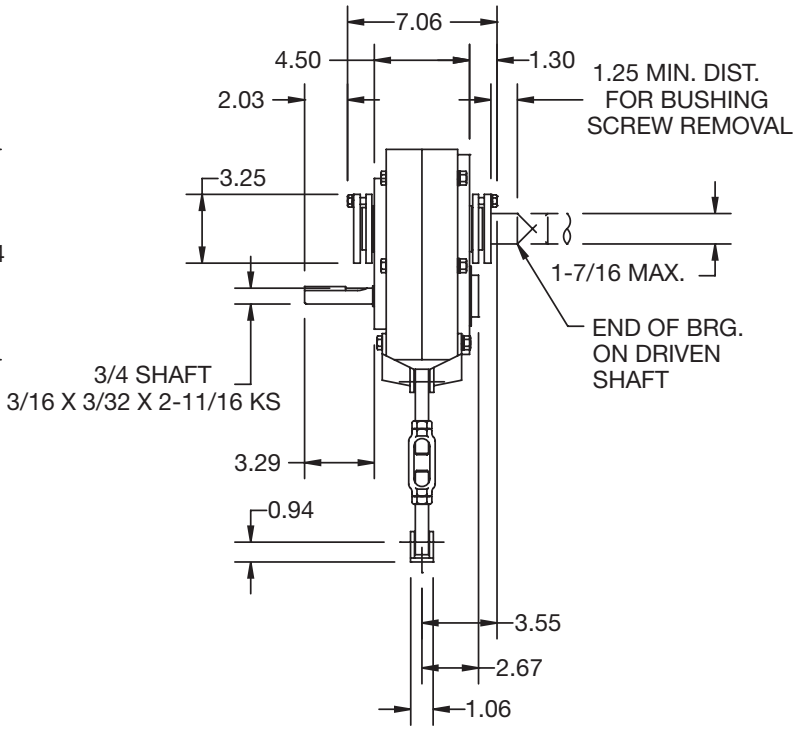
✻ Heat exchanger required - see page G3-81.

SELECTION/DIMENSIONS

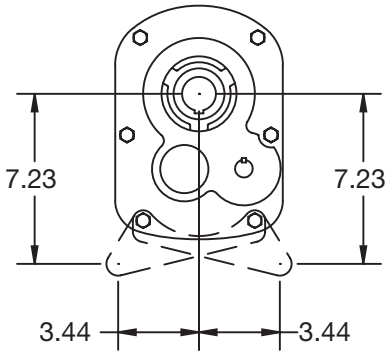
Torque-Arm Shaft Mount Speed Reducers

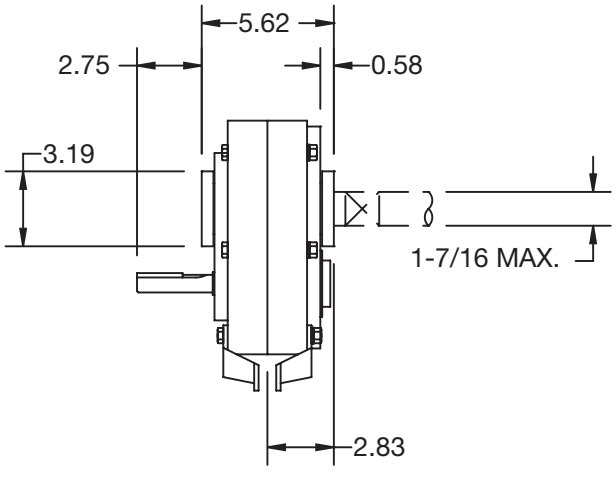
TXT1A - Double Reduction Taper Bushed





TXT1A - Double Reduction Straight Bore





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SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT1A Taper Bushed Reducers ■ ○

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT109AT	241092	107D09	9.44	45
TXT115AT	241065	107D15	15.35	45
TXT125AT	241066	107D25	25.64	45

TXT1A Straight Bore Reducers ■ ○

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT109AS	241327 ♣	107D09	9.44	45
TXT115AS	241073	107D15	15.35	45
TXT125AS	241074	107D25	25.64	45

Accessories for TXT1A Reducers

Description	Part Number	Weight
TA1M Standard Motor Mount (56T-215T)	241391	37.3
TAB1 Bottom Motor Mount (56T-215T) ♣ ♠	241421	34
TXT1 Backstop Assembly	242101	.8
TXT1D TA Reducer Belt Guard (56T-215T)	241395	30
TXT1 Taconite Auxiliary Seal Kit ♥	272515	4.40
TXT1 Lube Kit	LUBEKITTXT1	4.6

TXT1 Bushing Assemblies ●

Stock Bore Size		Part Number		Shaft Keyseat Required †		Weight	
		Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing
1-7/16	(Max.)	241292	◆	3/8 x 3/16 x 6-7/16	3/8 x 3/16 x 2	2.0	–
1-3/8		241294	–	5/16 x 5/32 x 6-7/16	–	1.8	–
1-5/16	▲	241290	241347	5/16 x 5/32 x 6-7/16	5/16 x 5/32 x 2	1.8	0.4
1-1/4	▲	241288	241346	1/4 x 1/8 x 6-7/16	1/4 x 1/8 x 2	2.0	0.6
1-3/16	▲	241286	241345	1/4 x 1/8 x 6-7/16	1/4 x 1/8 x 2	2.2	0.6
1-1/8	▲	241282	241344	1/4 x 1/8 x 6-7/16	1/4 x 1/8 x 1-3/4	2.2	0.6
1	▲	241278	241342	1/4 x 1/8 x 6-7/16	1/4 x 1/8 x 1-3/4	2.5	1.0

♣ Made to order
† Shaft key furnished.
▲ Check the driven shaft and key for strength.
◆ Preferred bore. No bushing required for this bore size.
○ Stock TXT Reducers are drilled for vertical mounting.
♠ Dodge standard belt guards will not fit this motor mount.

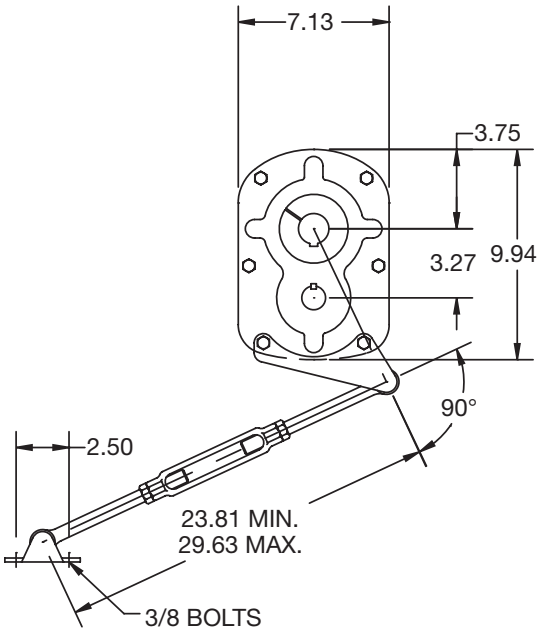
■ See pages G3-174 and G3-175 for reducer part numbers and drill and tap dimesions for Flange Mount TXT Reducers. Now available only as special factory order.
● Taper Bushed Reducers require bushing for all bore sizes.
♥ Use with Taper Bushed Reducer only. See page G3-177 for drill and tap information required to mount to reducer.

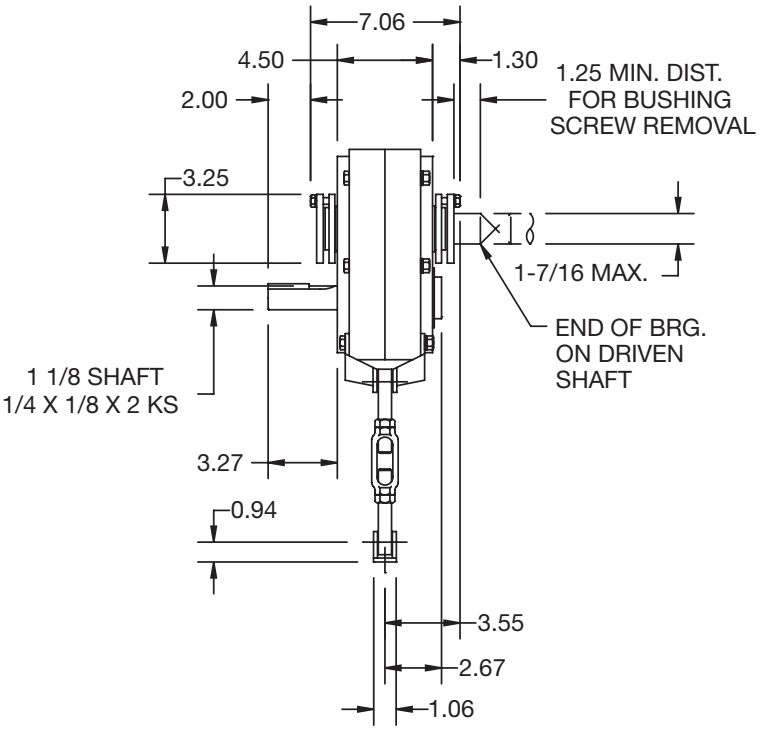
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SELECTION/DIMENSIONS

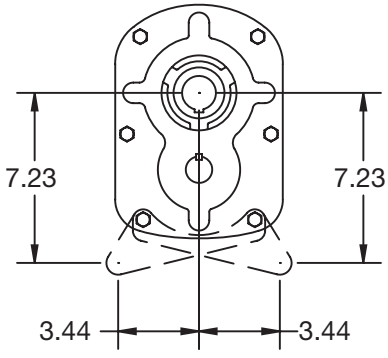
Torque-Arm Shaft Mount Speed Reducers

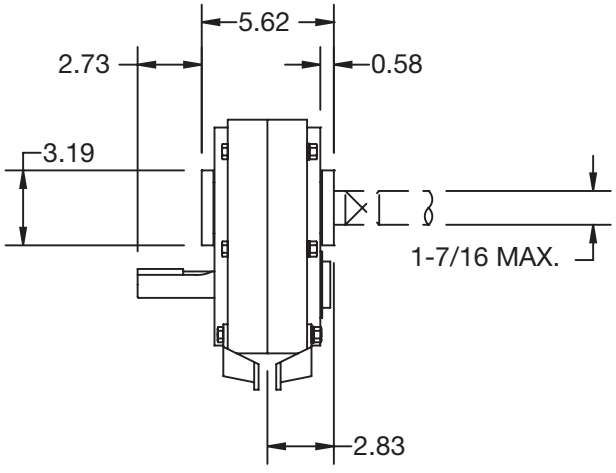
TXT105 - Single Reduction Taper Bushed





TXT105 - Single Reduction Straight Bore





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SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT105 Taper Bushed Reducers ■ ○

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT105T	241083	107S05	5.62	40

TXT105 Straight Bore Reducers ■ ○

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT105S	241087	107S05	5.62	40

Accessories for TXT105 Reducers

Description	Part Number	Weight
TA1M Standard Motor Mount (56T-215T)	241391	37.3
TAB1 Bottom Motor Mount (56T-215T) ♠ ♣	241421	34
TXT105 Backstop Assembly	242101	.8
TXT1S TA Reducer Belt Guard (56T-215T)	241397	30
TXT105 Taconite Auxiliary Seal Kit ♥	272521	5
TXT105 Lube Kit	LUBEKITTXT105	4.5

TXT1 Bushing Assemblies ○

Stock Bore Size		Part Number		Shaft Keyseat Required †		Weight	
		Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing
1-7/16	(Max.)	241292	◆	3/8 x 3/16 x 6-7/16	3/8 x 3/16 x 2	2.0	–
1-3/8	–	241294	–	5/16 x 5/32 x 6-7/16	–	1.8	–
1-5/16	▲	241290	241347	5/16 x 5/32 x 6-7/16	5/16 x 5/32 x 2	1.8	0.4
1-1/4	▲	241288	241346	1/4 x 1/8 x 6-7/16	1/4 x 1/8 x 2	2.0	0.6
1-3/16	▲	241286	241345	1/4 x 1/8 x 6-7/16	1/4 x 1/8 x 2	2.2	0.6
1-1/8	▲	241282	241344	1/4 x 1/8 x 6-7/16	1/4 x 1/8 x 1-3/4	2.2	0.6
1	▲	241278	241342	1/4 x 1/8 x 6-7/16	1/4 x 1/8 x 1-3/4	2.5	1.0

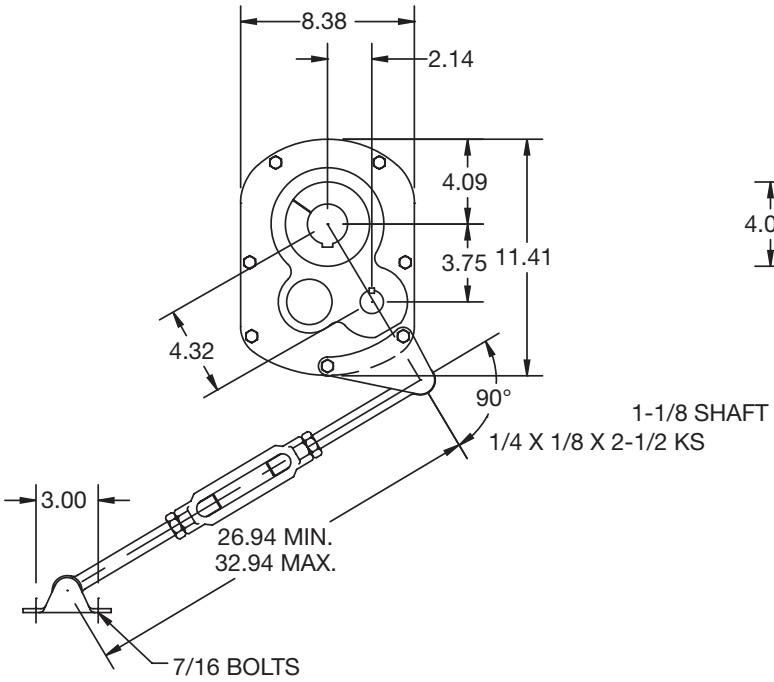
♣ Made to order
† Shaft key furnished.
▲ Check the driven shaft and key for strength.
◆ Preferred bore. No bushing required for this bore size.
○ Stock TXT Reducers are drilled for vertical mounting.
♠ Dodge standard belt guards will not fit this motor mount.

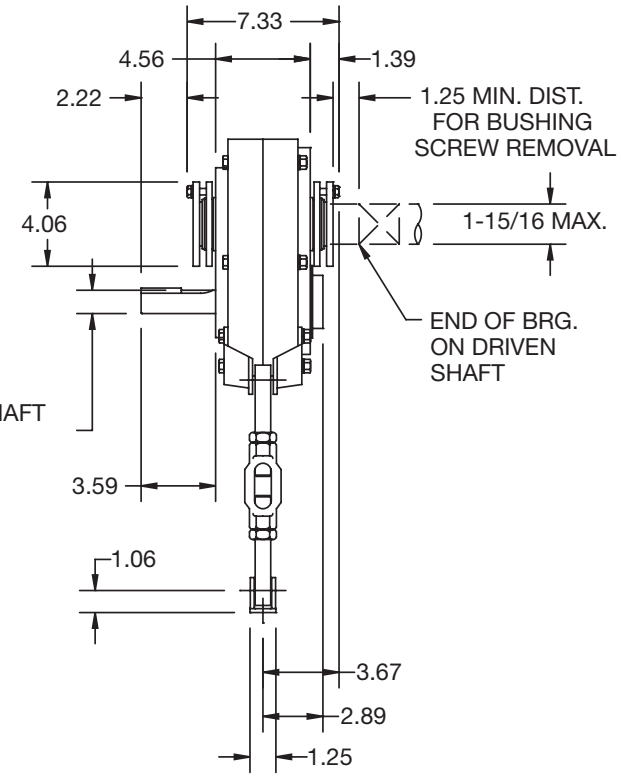
■ See pages G3-174 and G3-175 for reducer part numbers and drill and tap dimesions for Flange Mount TXT Reducers. Now available only as special factory order.
● Taper Bushed Reducers require bushing for all bore sizes.
♥ Use with Taper Bushed Reducer only. See page G3-177 for drill and tap information required to mount to reducer.

SELECTION/DIMENSIONS

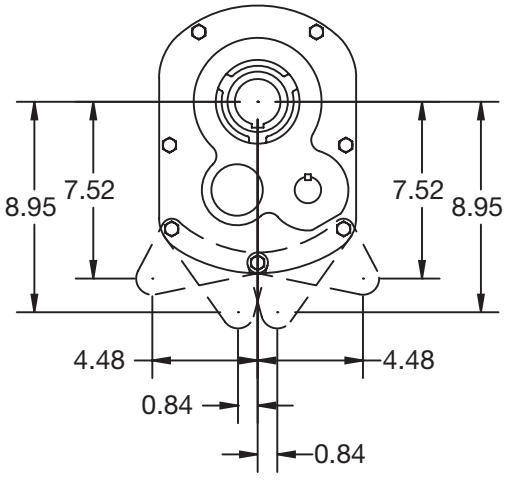
Torque-Arm Shaft Mount Speed Reducers

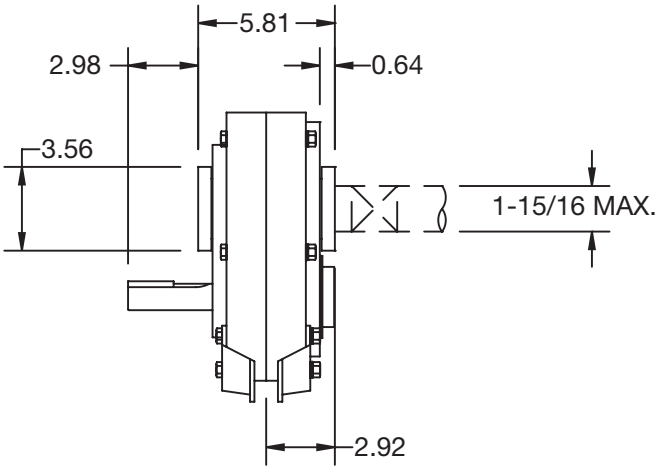
TXT2A - Double Reduction Taper Bushed





TXT2A - Double Reduction Straight Bore





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SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT2A Taper Bushed Reducers ■ ○

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT209AT	242079	115D09	9.25	58
TXT215AT	242082	115D15	14.10	58
TXT225AT	242083	115D25	23.46	58

TXT2A Straight Bore Reducers ■ ○

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT209AS	242327 ♣	115D09	9.25	58
TXT215AS	242090	115D15	14.10	58
TXT225AS	242091	115D25	23.46	58

Accessories for TXT2A Reducers

Description	Part Number	Weight
TA1M Standard Motor Mount (56T-215T)	241391	37.3
TAB2 Bottom Motor Mount (56T-215T) ♠ ♣	242421	34
TXT2 Backstop Assembly	252101	1
TXT2D TA Reducer Belt Guard (56T-215T)	242395	36
TXT2 Taconite Auxiliary Seal Kit ♥	272446	5.5
TXT2 Lube Kit	LUBEKITTXT2	4.6

TXT2 Bushing Assemblies ●

Stock Bore Size		Part Number		Shaft Keyseat Required †		Weight	
		Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing
1-15/16	(Max.)	242168	◆	1/2 x 1/4 x 6-11/16	1/2 x 1/4 x 2-1/2	2.9	–
1-3/4	–	242166	242351	3/8 x 3/16 x 6-11/16	3/8 x 3/16 x 2-7/8	3.3	0.8
1-11/16	–	242164	242350	3/8 x 3/16 x 6-11/16	3/8 x 3/16 x 2-7/8	3.4	1.1
1-5/8	▲	242162	242349	3/8 x 3/16 x 6-11/16	3/8 x 3/16 x 2-7/8	3.2	1.2
1-1/2	▲	242158	242348	3/8 x 3/16 x 6-11/16	3/8 x 3/16 x 2-1/2	3.8	1.5
1-7/16	▲	242156	242347	3/8 x 3/16 x 6-11/16	3/8 x 3/16 x 2-1/2	4.0	1.7
1-3/8	▲	242154	242346	5/16 x 5/32 x 6-11/16	5/16 x 5/32 x 2	3.6	1.8
1-5/16	▲	242152	242345	5/16 x 5/32 x 6-11/16	5/16 x 5/32 x 2	3.6	1.8
1-1/4	▲	242150	242344	1/4 x 1/8 x 6-11/16	1/4 x 1/8 x 2	3.6	2.1
1-3/16	▲	242148	242343	1/4 x 1/8 x 6-11/16	1/4 x 1/8 x 2	3.6	2.2
1-1/8	▲	242146	–	1/4 x 1/8 x 6-11/16	–	3.8	–

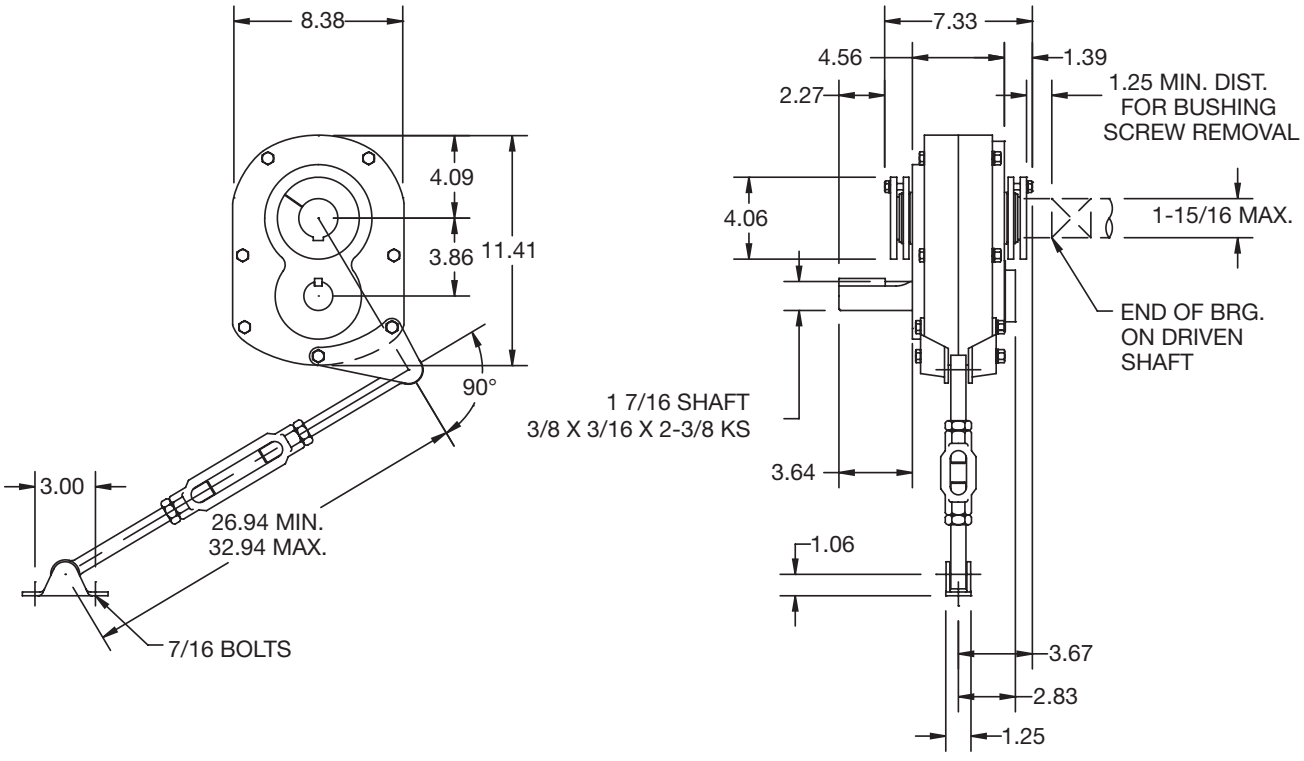
♣ Made to order
† Shaft key furnished.
▲ Check the driven shaft and key for strength.
◆ Preferred bore. No bushing required for this bore size.
○ Stock TXT Reducers are drilled for vertical mounting.
♠ Dodge standard belt guards will not fit this motor mount.

■ See pages G3-174 and G3-175 for reducer part numbers and drill and tap dimesions for Flange Mount TXT Reducers. Now available only as special factory order.
● Taper Bushed Reducers require bushing for all bore sizes.
♥ Use with Taper Bushed Reducer only. See page G3-177 for drill and tap information required to mount to reducer.

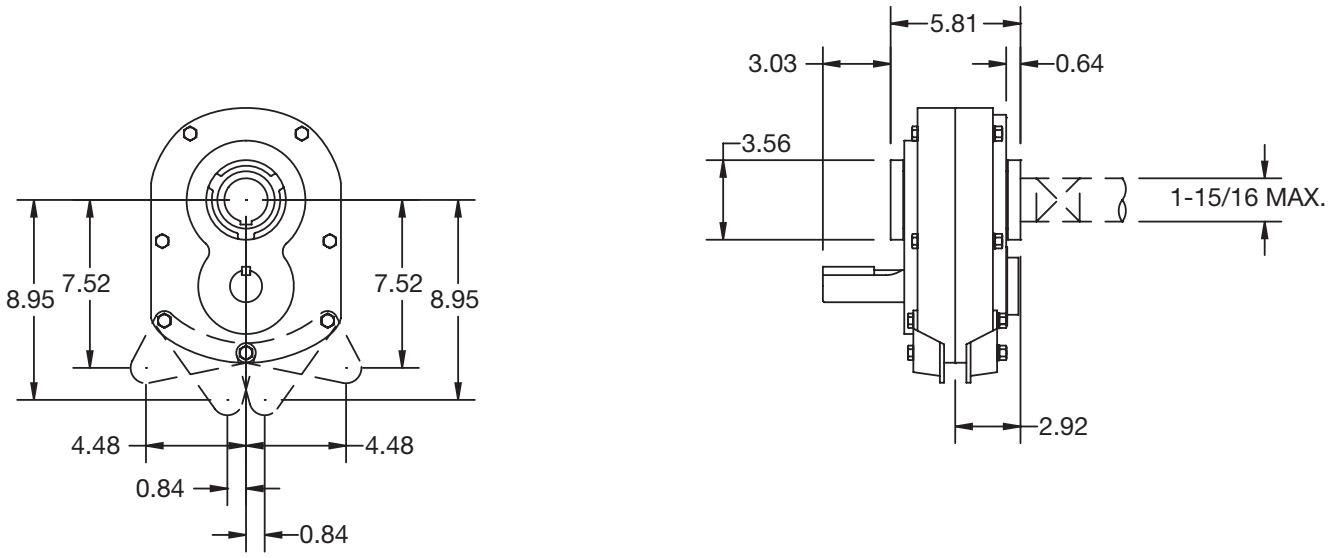
SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT205 - Single Reduction Taper Bushed



TXT205 - Single Reduction Straight Bore





SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT205 Taper Bushed Reducers ■○

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT205T	242249	115S05	5.29	52

TXT205 Straight Bore Reducers ■○

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT205S	242253	115S05	5.29	52

Accessories for TXT205 Reducers

Description	Part Number	Weight
TA1M Standard Motor Mount (56T-215T)	241391	37.3
TAB2 Bottom Motor Mount (56T-215T) ♠ ♣	242421	34
TXT205 Backstop Assembly	252101	1
TXT2S TA Reducer Belt Guard (56T-215T)	242397	36
TXT205 Taconite Auxiliary Seal Kit ♥	272459	5.8
TXT205 Lube Kit	LUBEKITTXT205	6.9

TXT2 Bushing Assemblies ●

Stock Bore Size		Part Number		Shaft Keyseat Required †		Weight	
		Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing
1-15/16	(Max.)	242168	◆	1/2 x 1/4 x 6-11/16	1/2 x 1/4 x 2-1/2	2.9	–
1-3/4	–	242166	242351	3/8 x 3/16 x 6-11/16	3/8 x 3/16 x 2-7/8	3.3	0.8
1-11/16	–	242164	242350	3/8 x 3/16 x 6-11/16	3/8 x 3/16 x 2-7/8	3.4	1.1
1-5/8	▲	242162	242349	3/8 x 3/16 x 6-11/16	3/8 x 3/16 x 2-7/8	3.2	1.2
1-1/2	▲	242158	242348	3/8 x 3/16 x 6-11/16	3/8 x 3/16 x 2-1/2	3.8	1.5
1-7/16	▲	242156	242347	3/8 x 3/16 x 6-11/16	3/8 x 3/16 x 2-1/2	4.0	1.7
1-3/8	▲	242154	242346	5/16 x 5/32 x 6-11/16	5/16 x 5/32 x 2	3.6	1.8
1-5/16	▲	242152	242345	5/16 x 5/32 x 6-11/16	5/16 x 5/32 x 2	3.6	1.8
1-1/4	▲	242150	242344	1/4 x 1/8 x 6-11/16	1/4 x 1/8 x 2	3.6	2.1
1-3/16	▲	242148	242343	1/4 x 1/8 x 6-11/16	1/4 x 1/8 x 2	3.6	2.2
1-1/8	▲	242146	–	1/4 x 1/8 x 6-11/16	–	3.8	–

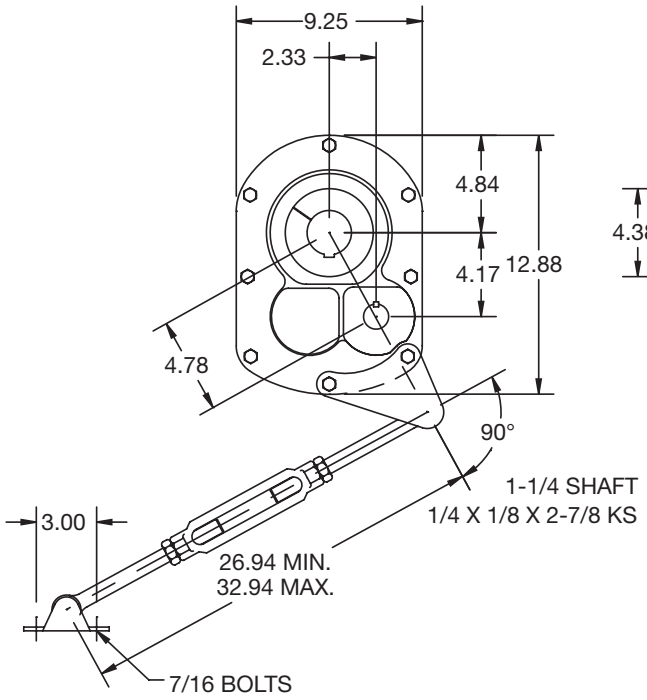
♣ Made to order
† Shaft key furnished.
▲ Check the driven shaft and key for strength.
◆ Preferred bore. No bushing required for this bore size.
○ Stock TXT Reducers are drilled for vertical mounting.
♠ Dodge standard belt guards will not fit this motor mount.

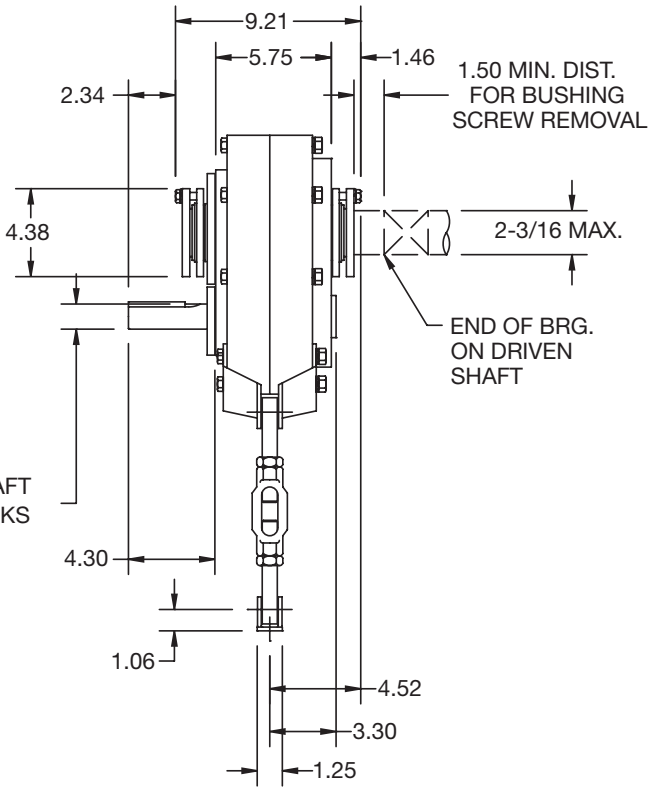
■ See pages G3-174 and G3-175 for reducer part numbers and drill and tap dimesions for Flange Mount TXT Reducers. Now available only as special factory order.
● Taper Bushed Reducers require bushing for all bore sizes.
♥ Use with Taper Bushed Reducer only. See page G3-177 for drill and tap information required to mount to reducer.

SELECTION/DIMENSIONS

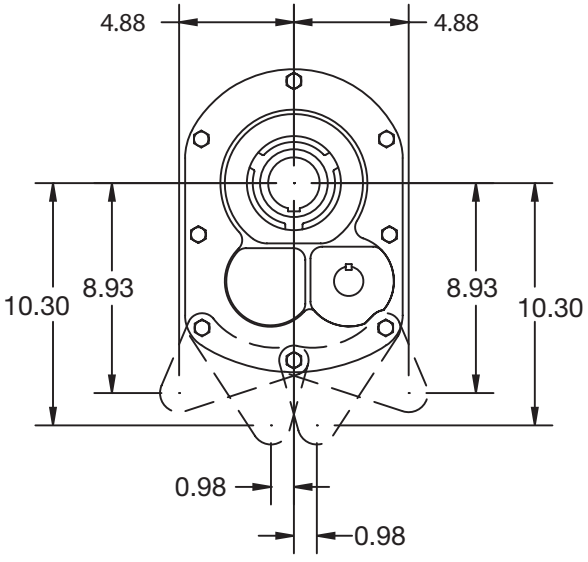
Torque-Arm Shaft Mount Speed Reducers

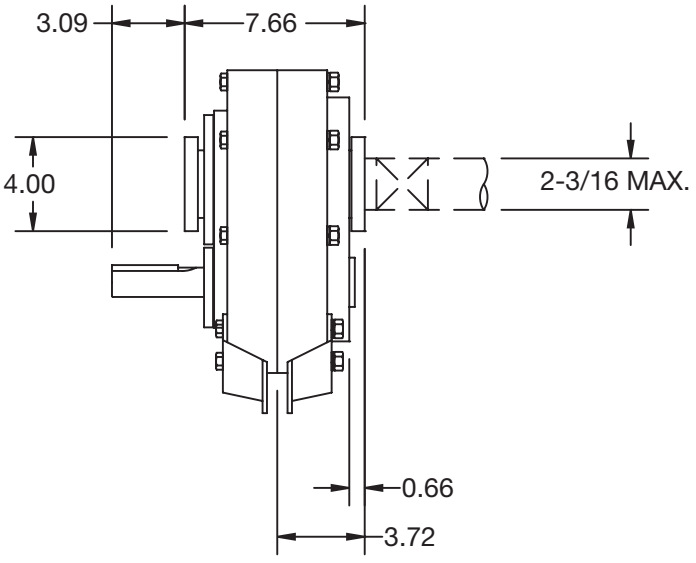
TXT3B - Double Reduction Taper Bushed





TXT3B - Double Reduction Straight Bore





FEATURES/BENEFITS PAGE G3-2	SPECIFICATION PAGE G3-9	MODIFICATION/ACCESSORIES PAGE G3-72, G3-122	RELATED PRODUCTS PAGE G3-154



SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT3B Taper Bushed Reducers ■ ○

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT309BT	243500	203D09	8.91	98
TXT315BT	243501	203D15	14.88	98
TXT325BT	243502	203D25	24.71	98

TXT3B Straight Bore Reducers ■ ○

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT309BS	243512 ♣	203D09	8.91	98
TXT315BS	243513	203D15	14.88	98
TXT325BS	243514	203D25	24.71	98

Accessories for TXT3B Reducers

Description	Part Number	Weight
TA3M Standard Motor Mount (56T-215T)	243391	38
TA3M Special Motor Mount (254T-256T) ♠ ♣	243393	45
TA3ML Long Motor Mount (143T-215T) ♣	243392	42
TAB3 Bottom Motor Mount (143T-286T) ♠ ♣	243404	54
TXT3A Backstop Assembly	243106	.6
TXT3D TA Reducer Belt Guard (56T-215T)	243387	43
TXT3D TA Reducer Belt Guard for Long Motor Mount (56T-215T) ♣	243153	52
TXT3A Cooling Fan Assembly	243581	3
TXT3A Taconite Auxiliary Seal Kit ♥	243577	7.3
TXT3 Lube Kit	LUBEKITTXT3	6.9

TXT3 Bushing Assemblies ●

Stock Bore Size		Part Number		Shaft Keyseat Required †		Weight	
		Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing
2-3/16	(Max.)	243276	◆	1/2 x 1/4 x 8-1/16	1/2 x 1/4 x 3-5/8	3.7	–
2	–	243274	243429	1/2 x 1/4 x 8-1/16	1/2 x 1/4 x 3-5/8	4.1	1.0
1-15/16	–	243272	243428	1/2 x 1/4 x 8-1/16	1/2 x 1/4 x 3-5/8	4.4	1.2
1-7/8	▲	243270	243427 ♣	1/2 x 1/4 x 8-1/16	1/2 x 1/4 x 3-5/8	4.3	1.9
1-3/4	▲	243266	243426	3/8 x 3/16 x 8-1/16	3/8 x 3/16 x 3-1/4	4.8	1.9
1-11/16	▲	243268	243425	3/8 x 3/16 x 8-1/16	3/8 x 3/16 x 3-1/4	4.8	2.2
1-5/8	▲	243264 ♣	243424	3/8 x 3/16 x 8-1/16	3/8 x 3/16 x 2-1/4	4.8	2.3
1-1/2	▲	243262	243423	3/8 x 3/16 x 8-1/16	3/8 x 3/16 x 2-1/4	5.4	2.5
1-7/16	▲	243260	243422	3/8 x 3/16 x 8-1/16	3/8 x 3/16 x 2-1/4	5.6	2.7
1-3/8	▲	243284	243421	5/16 x 5/32 x 8-1/16	5/16 x 5/32 x 2-1/4	5.8	3.2
1-5/16	▲	243282	243420	5/16 x 5/32 x 8-1/16	5/16 x 5/32 x 2-1/4	5.8	3.8

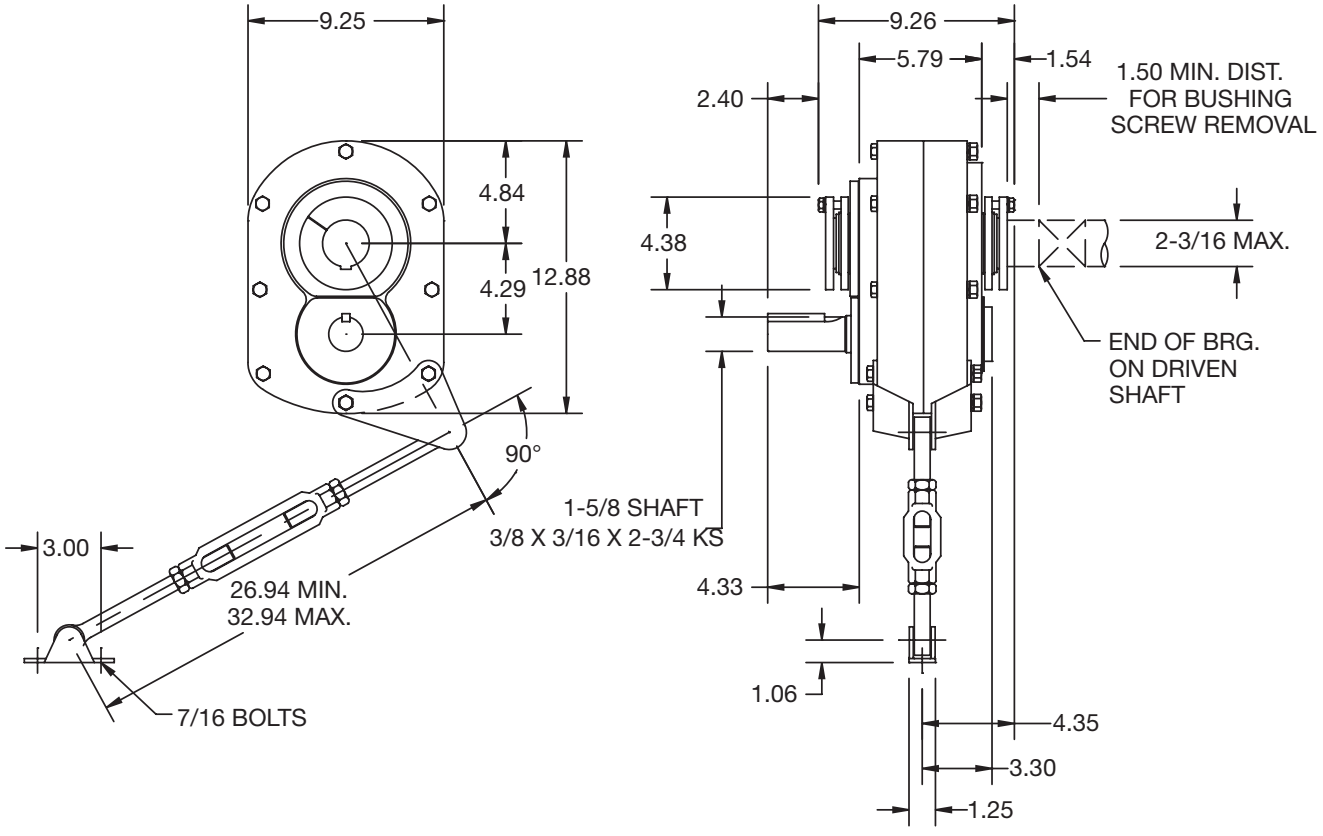
♣ Made to order
† Shaft key furnished.
▲ Check the driven shaft and key for strength.
◆ Preferred bore. No bushing required for this bore size.
○ Stock TXT Reducers are drilled for vertical mounting.
♠ Dodge standard belt guards will not fit this motor mount.

■ See pages G3-174 and G3-175 for reducer part numbers and drill and tap dimesions for Flange Mount TXT Reducers. Now available only as special factory order.
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♥ Use with Taper Bushed Reducer only. See page G3-177 for drill and tap information required to mount to reducer.

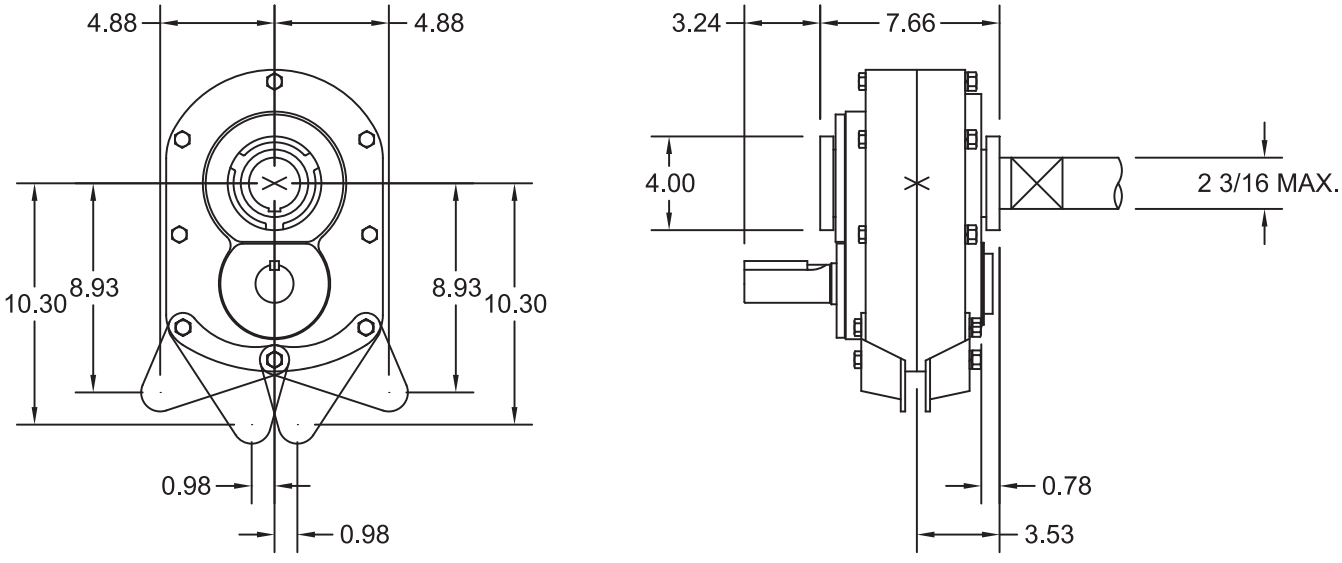
SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT305A - Single Reduction Taper Bushed



TXT305A - Single Reduction Straight Bore





SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT305A Taper Bushed Reducers ■ ○

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT305AT	253151	203S05	5.60	86

TXT305A Straight Bore Reducers ■ ○

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT305AS	–	203S05	5.60	86

Accessories for TXT305A Reducers

Description	Part Number	Weight
TA3M Standard Motor Mount (56T-215T)	243391	38
TA3M Special Motor Mount (254T-256T) ♠ ♣	243393	45
TA3ML Long Motor Mount (143T-215T) ♣	243392	42
TAB3 Bottom Motor Mount (143T-286T) ♠ ♣	243404	54
TXT305A Backstop Assembly	252101	1
TXT3S TA Reducer Belt Guard (56T-215T)	243389	43
TXT3S TA Reducer Belt Guard for Long Motor Mount (56T-215T) ♣	243164	55
TXT305A Cooling Fan Assembly	253188	3
TXT305A Taconite Auxiliary Seal Kit ♥	253186	7.6
TXT305 Lube Kit	LUBEKITTXT305	8.1

TXT3 Bushing Assemblies ●

Stock Bore Size		Part Number		Shaft Keyseat Required †		Weight	
		Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing
2-3/16	(Max.)	243276	◆	1/2 x 1/4 x 8-1/16	1/2 x 1/4 x 3-5/8	3.7	–
2	–	243274	243429	1/2 x 1/4 x 8-1/16	1/2 x 1/4 x 3-5/8	4.1	1.0
1-15/16	–	243272	243428	1/2 x 1/4 x 8-1/16	1/2 x 1/4 x 3-5/8	4.4	1.2
1-7/8	▲	243270	243427 ♣	1/2 x 1/4 x 8-1/16	1/2 x 1/4 x 3-5/8	4.3	1.9
1-3/4	▲	243266	243426	3/8 x 3/16 x 8-1/16	3/8 x 3/16 x 3-1/4	4.8	1.9
1-11/16	▲	243268	243425	3/8 x 3/16 x 8-1/16	3/8 x 3/16 x 3-1/4	4.8	2.2
1-5/8	▲	243264 ♣	243424	3/8 x 3/16 x 8-1/16	3/8 x 3/16 x 2-1/4	4.8	2.3
1-1/2	▲	243262	243423	3/8 x 3/16 x 8-1/16	3/8 x 3/16 x 2-1/4	5.4	2.5
1-7/16	▲	243260	243422	3/8 x 3/16 x 8-1/16	3/8 x 3/16 x 2-1/4	5.6	2.7
1-3/8	▲	243284	243421	5/16 x 5/32 x 8-1/16	5/16 x 5/32 x 2-1/4	5.8	3.2
1-5/16	▲	243282	243420	5/16 x 5/32 x 8-1/16	5/16 x 5/32 x 2-1/4	5.8	3.8

♣ Made to order
† Shaft key furnished.
▲ Check the driven shaft and key for strength.
◆ Preferred bore. No bushing required for this bore size.
○ Stock TXT Reducers are drilled for vertical mounting.
♠ Dodge standard belt guards will not fit this motor mount.

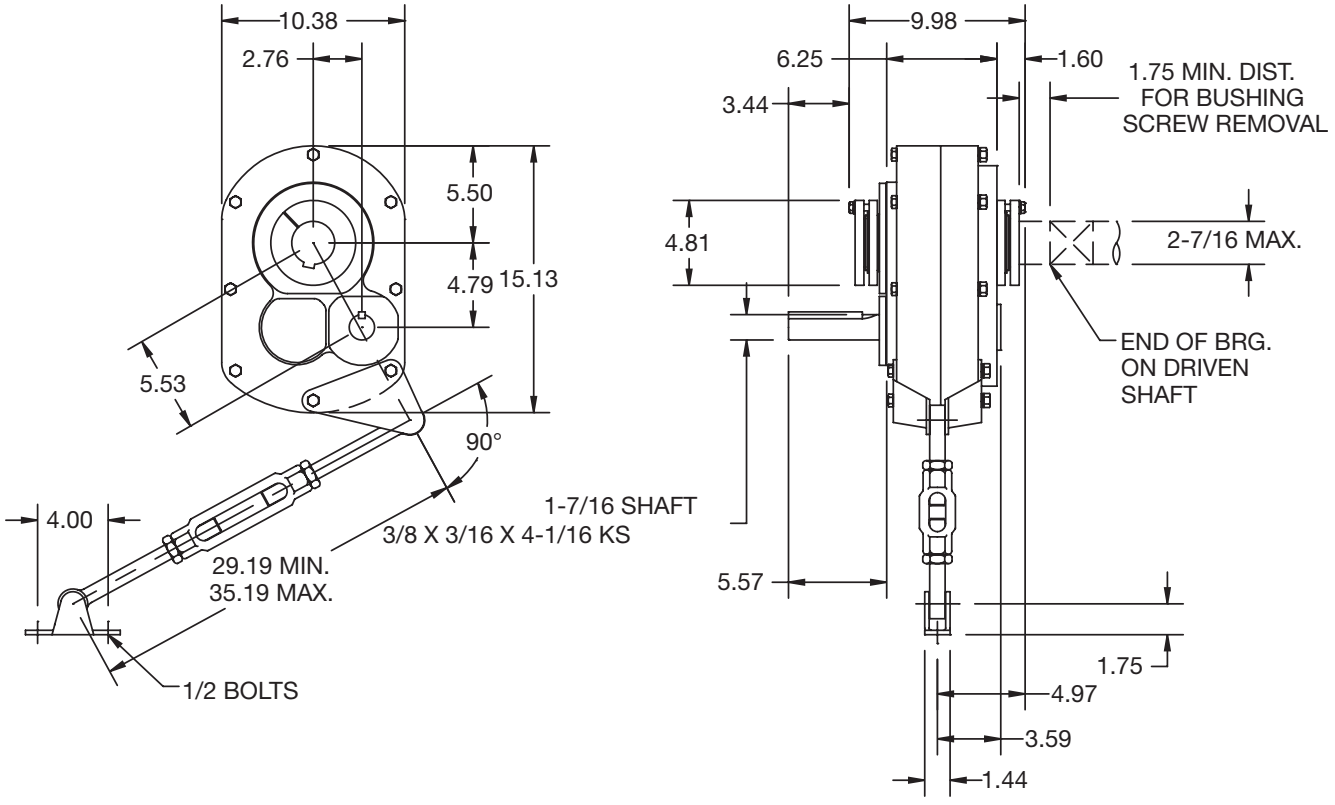
■ See pages G3-174 and G3-175 for reducer part numbers and drill and tap dimesions for Flange Mount TXT Reducers. Now available only as special factory order.
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♥ Use with Taper Bushed Reducer only. See page G3-177 for drill and tap information required to mount to reducer.

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TORQUE-ARM II
TORQUE-ARM
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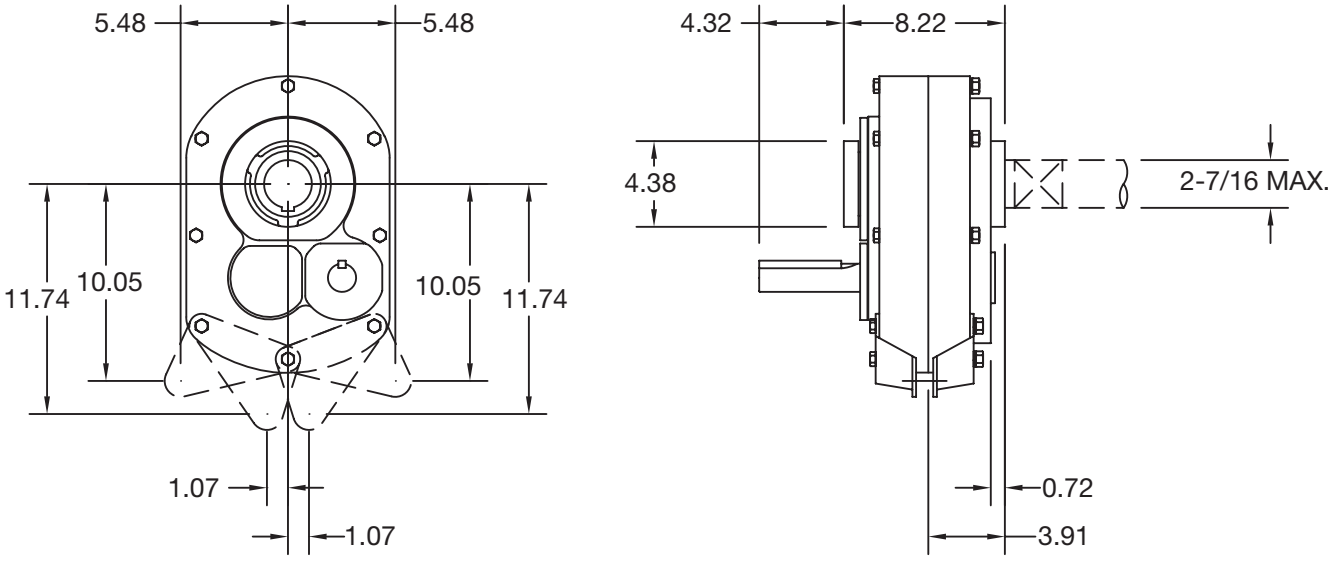
SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT4B - Double Reduction Taper Bushed



TXT4B - Double Reduction Straight Bore





SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT4B Taper Bushed Reducers ■ ❍

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT409BT	244525	207D09	9.67	139
TXT415BT	244526	207D15	15.13	139
TXT425BT	244527	207D25	24.38	139

TXT4B Straight Bore Reducers ■ ❍

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT409BS	244537 ♣	207D09	9.67	139
TXT415BS	244538	207D15	15.13	139
TXT425BS	244539	207D25	24.38	139

Accessories for TXT4B Reducers

Description	Part Number	Weight
TA4M Standard Motor Mount (143T-286T)	244391	75
TA4ML Long Motor Mount (143T-286T)	244392	75
TAB4 Bottom Motor Mount (143T-326T) ♠ ♣	244404	55
TXT4A Backstop Assembly	244106	1.2
TXT4D TA Reducer Belt Guard (143T-286T)	244395	54
TXT4D TA Reducer Belt Guard for Long Motor Mount (143T-286T) ♠ ♣	244151	65
TXT4A Cooling Fan Assembly	272594	3
TXT4A Taconite Auxiliary Seal Kit ♥	244676	7.7
TXT4 Lube Kit	LUBEKITTXT4	10.4

TXT4 Bushing Assemblies ●

Stock Bore Size		Part Number		Shaft Keyseat Required †		Weight	
		Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing
2-7/16	(Max.)	244115	◆	5/8 x 5/16 x 9-1/32	5/8 x 5/16 x 3-3/8	5.8	–
2-1/4	▲	244113	244430	1/2 x 1/4 x 9-1/32	1/2 x 1/4 x 3-3/8	6.3	1.2
2-3/16	▲	244111	244429	1/2 x 1/4 x 9-1/32	1/2 x 1/4 x 3-3/8	6.7	1.5
2-1/8	▲	244109	244428	1/2 x 1/4 x 9-1/32	1/2 x 1/4 x 3-3/8	7.0	2.6
2	▲	244095	244427	1/2 x 1/4 x 9-1/32	1/2 x 1/4 x 4	7.1	2.6
1-15/16	▲	244093	244426	1/2 x 1/4 x 9-1/32	1/2 x 1/4 x 4	7.4	3.5
1-3/4	▲	244087	244424	3/8 x 3/16 x 9-1/32	3/8 x 3/16 x 2-7/16	8.0	3.6
1-11/16	▲	244085	244423 ♣	3/8 x 3/16 x 9-1/32	3/8 x 3/16 x 2-7/16	8.3	3.6
1-1/2	▲	244081	244421	3/8 x 3/16 x 9-1/32	3/8 x 3/16 x 2-7/16	8.3	4.1
1-7/16	▲	244079	244420	3/8 x 3/16 x 9-1/32	3/8 x 3/16 x 2-7/16	8.8	4.1

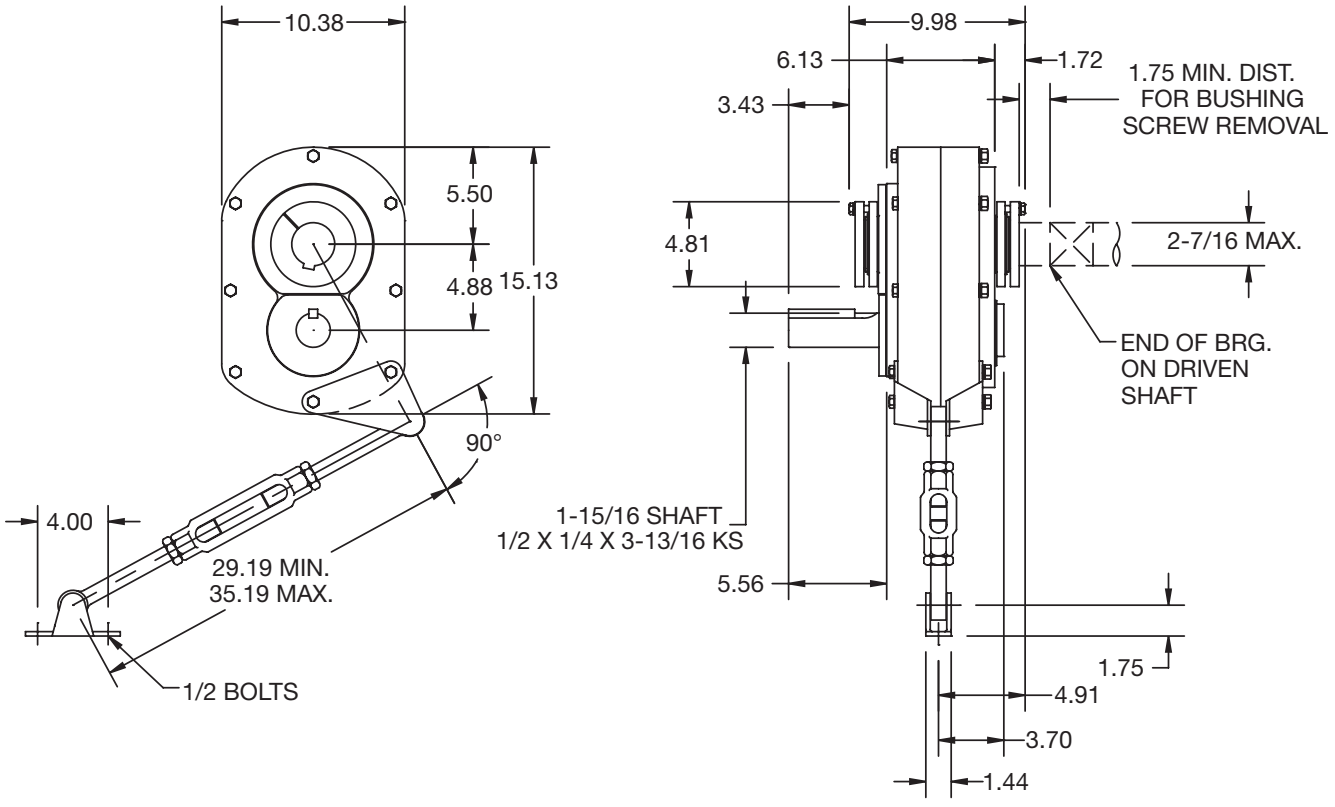
♣ Made to order
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▲ Check the driven shaft and key for strength.
◆ Preferred bore. No bushing required for this bore size.
❍ Stock TXT Reducers are drilled for vertical mounting.
♠ Dodge standard belt guards will not fit this motor mount.
■ See pages G3-174 and G3-175 for reducer part numbers and drill and tap dimesions for Flange Mount TXT Reducers. Now available only as special factory order.
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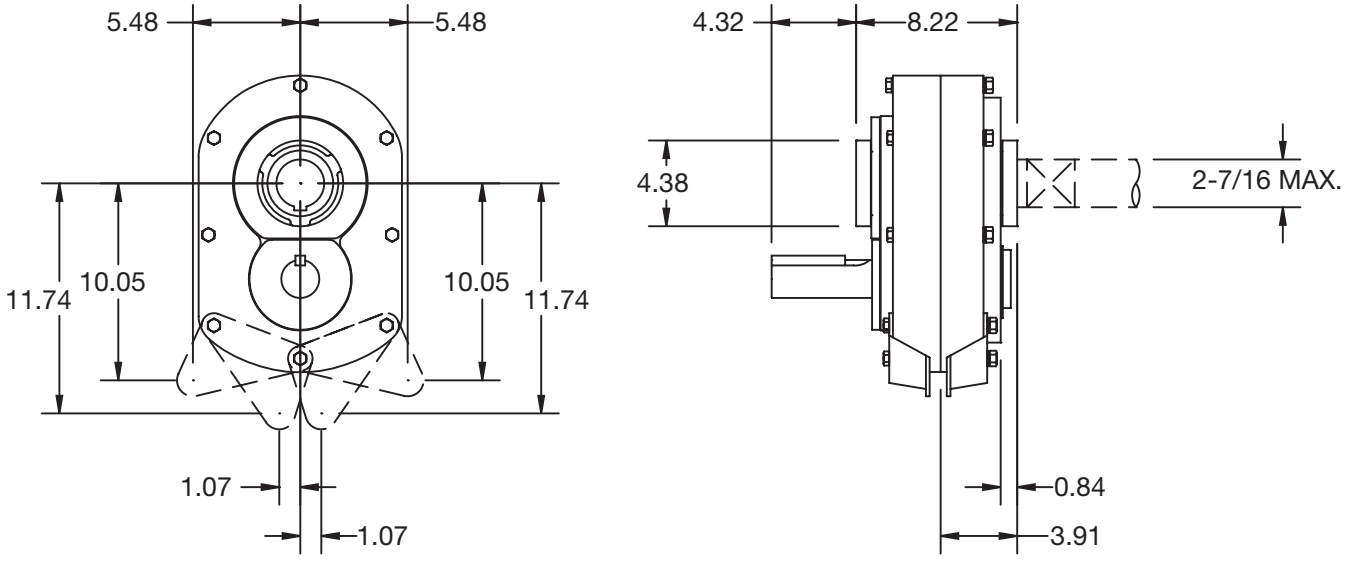
SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT405A - Single Reduction Taper Bushed



TXT405A - Single Reduction Straight Bore





SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT405A Taper Bushed Reducers ■ ❍

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT405AT	254200	207S05	5.65	122

TXT405A Straight Bore Reducers ■ ❍

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT405AS	254204	207S05	5.65	122

Accessories for TXT405A Reducers

Description	Part Number	Weight
TA4M Standard Motor Mount (143T-286T)	244391	75
TA4ML Long Motor Mount (143T-286T)	244392	75
TAB4 Bottom Motor Mount (143T-326T) ♠ ♣	244404	55
TXT405A Backstop Assembly	244148	.9
TXT4S TA Reducer Belt Guard (143T-286T)	244397	54
TXT4S TA Reducer Belt Guard for Long Motor Mount (143T-286T) ♠ ♣	244164	65
TXT405A Cooling Fan Assembly	254268	3
TXT405A Taconite Auxiliary Seal Kit ♥	254267	7.9
TXT405 Lube Kit	LUBEKITTXT405	12.7

TXT4 Bushing Assemblies ●

Stock Bore Size		Part Number		Shaft Keyseat Required †		Weight	
		Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing
2-7/16	(Max.)	244115	◆	5/8 x 5/16 x 9-1/32	5/8 x 5/16 x 3-3/8	5.8	–
2-1/4	▲	244113	244430	1/2 x 1/4 x 9-1/32	1/2 x 1/4 x 3-3/8	6.3	1.2
2-3/16	▲	244111	244429	1/2 x 1/4 x 9-1/32	1/2 x 1/4 x 3-3/8	6.7	1.5
2-1/8	▲	244109	244428	1/2 x 1/4 x 9-1/32	1/2 x 1/4 x 3-3/8	7.0	2.6
2	▲	244095	244427	1/2 x 1/4 x 9-1/32	1/2 x 1/4 x 4	7.1	2.6
1-15/16	▲	244093	244426	1/2 x 1/4 x 9-1/32	1/2 x 1/4 x 4	7.4	3.5
1-3/4	▲	244087	244424	3/8 x 3/16 x 9-1/32	3/8 x 3/16 x 2-7/16	8.0	3.6
1-11/16	▲	244085	244423 ♣	3/8 x 3/16 x 9-1/32	3/8 x 3/16 x 2-7/16	8.3	3.6
1-1/2	▲	244081	244421	3/8 x 3/16 x 9-1/32	3/8 x 3/16 x 2-7/16	8.3	4.1
1-7/16	▲	244079	244420	3/8 x 3/16 x 9-1/32	3/8 x 3/16 x 2-7/16	8.8	4.1

♣ Made to order
† Shaft key furnished.
▲ Check the driven shaft and key for strength.
◆ Preferred bore. No bushing required for this bore size.
❍ Stock TXT Reducers are drilled for vertical mounting.
♠ Dodge standard belt guards will not fit this motor mount.

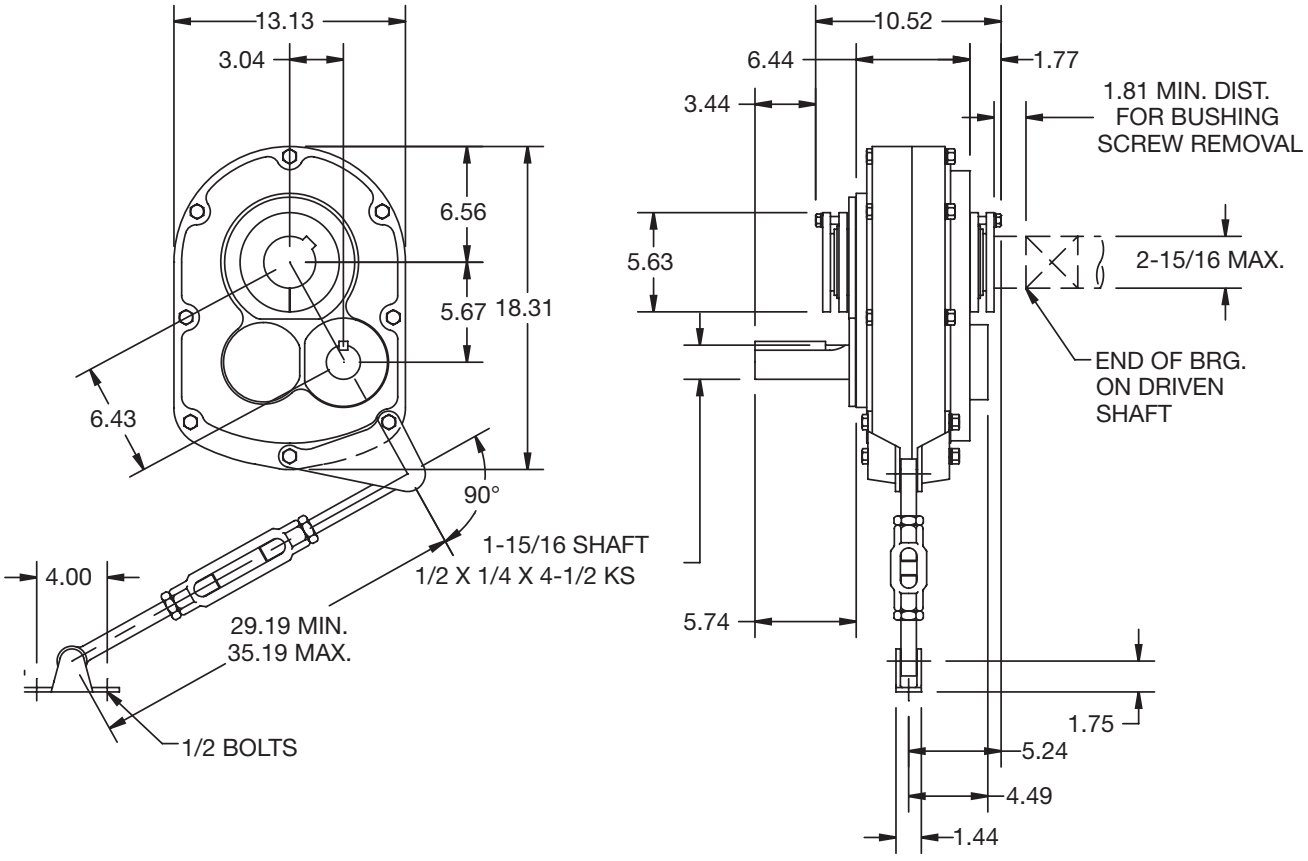
■ See pages G3-174 and G3-175 for reducer part numbers and drill and tap dimesions for Flange Mount TXT Reducers. Now available only as special factory order.
● Taper Bushed Reducers require bushing for all bore sizes.
♥ Use with Taper Bushed Reducer only. See page G3-177 for drill and tap information required to mount to reducer.

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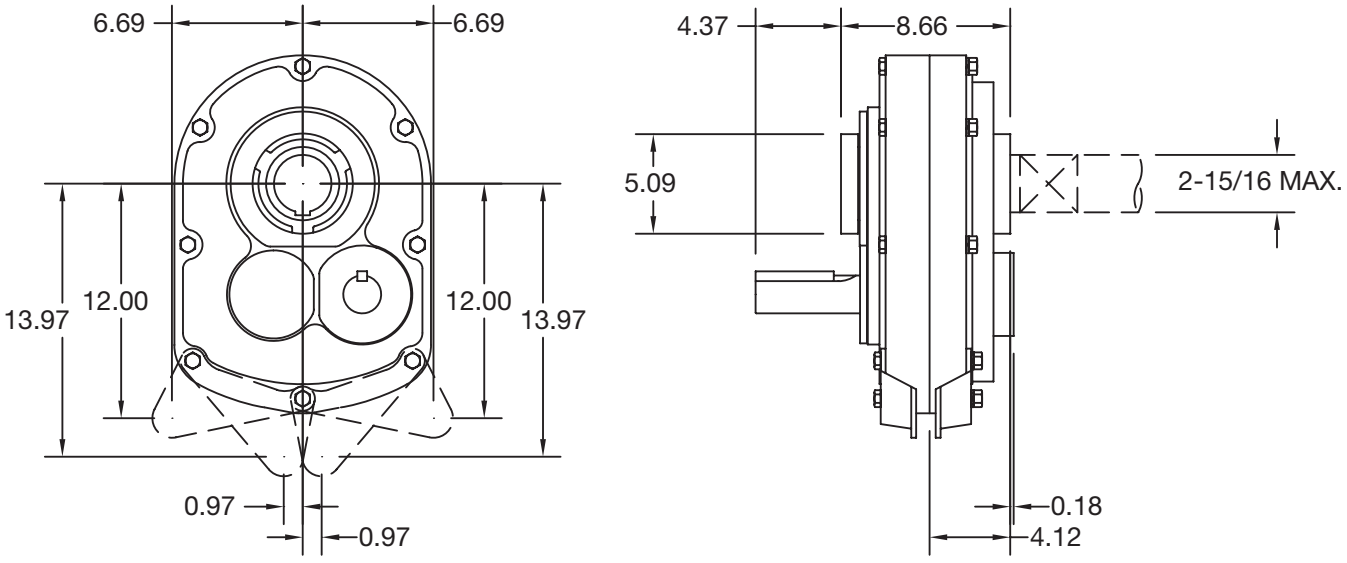
SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT5C - Double Reduction Taper Bushed



TXT5C - Double Reduction Straight Bore



FEATURES/BENEFITS PAGE G3-2	SPECIFICATION PAGE G3-9	MODIFICATION/ACCESSORIES PAGE G3-72, G3-122	RELATED PRODUCTS PAGE G3-154



SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT5C Taper Bushed Reducers ■ ❍

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT509CT	245550	215D09	8.95	207
TXT515CT	245551	215D15	15.40	207
TXT525CT	245552	215D25	25.56	207

TXT5C Straight Bore Reducers ■ ❍

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT509CS	245562 ♣	215D09	8.95	207
TXT515CS	245563	215D15	15.40	207
TXT525CS	245564	215D25	25.56	207

Accessories for TXT5C Reducers

Description	Part Number	Weight
TA5M Standard Motor Mount (143T-286T)	245391	76
TA5M Special Motor Mount (324T-326T) ♠ ♣	245393	79
TA5ML Long Motor Mount (143T-286T)	245392	89
TAB5 Bottom Motor Mount (143T-326T) ♠	245405	55
TXT5B Backstop Assembly	245154	2.2
TXT5D TA Reducer Belt Guard (143T-286T)	245387	75
TXT5D TA Reducer Belt Guard for Long Motor Mount (143T-286T) ♣	245102	90
TXT5B Cooling Fan Assembly	272369	3
TXT5B Taconite Auxiliary Seal Kit ♥	245635	11.9
TXT5 Lube Kit	LUBEKITTXT5	18.5

TXT5 Bushing Assemblies ●

Stock Bore Size		Part Number		Shaft Keyseat Required †		Weight	
		Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing
2-15/16	(Max.)	245112	◆	3/4 x 3/8 x 9-3/8	3/4 x 3/8 x 4-3/8	7.8	–
2-11/16	–	245110	245428	5/8 x 5/16 x 9-3/8	5/8 x 5/16 x 4-3/8	7.9	3.0
2-1/2	▲	245099	245427	5/8 x 5/16 x 9-3/8	5/8 x 5/16 x 4-3/8	8.5	3.4
2-7/16	▲	245094	245426	5/8 x 5/16 x 9-3/8	5/8 x 5/16 x 4-3/8	8.5	4.3
2-1/4	▲	245092	245425	1/2 x 1/4 x 9-3/8	1/2 x 1/4 x 3	9.2	4.7
2-3/16	▲	245090	245424	1/2 x 1/4 x 9-3/8	1/2 x 1/4 x 3	10.0	5.6
2	▲	245088	245423	1/2 x 1/4 x 9-3/8	1/2 x 1/4 x 3	10.2	5.9
1-15/16	▲	245086	245422	1/2 x 1/4 x 9-3/8	1/2 x 1/4 x 3	10.3	6.1

♣ Made to order
† Shaft key furnished.
▲ Check the driven shaft and key for strength.
◆ Preferred bore. No bushing required for this bore size.
❍ Stock TXT Reducers are drilled for vertical mounting.
♠ Dodge standard belt guards will not fit this motor mount.

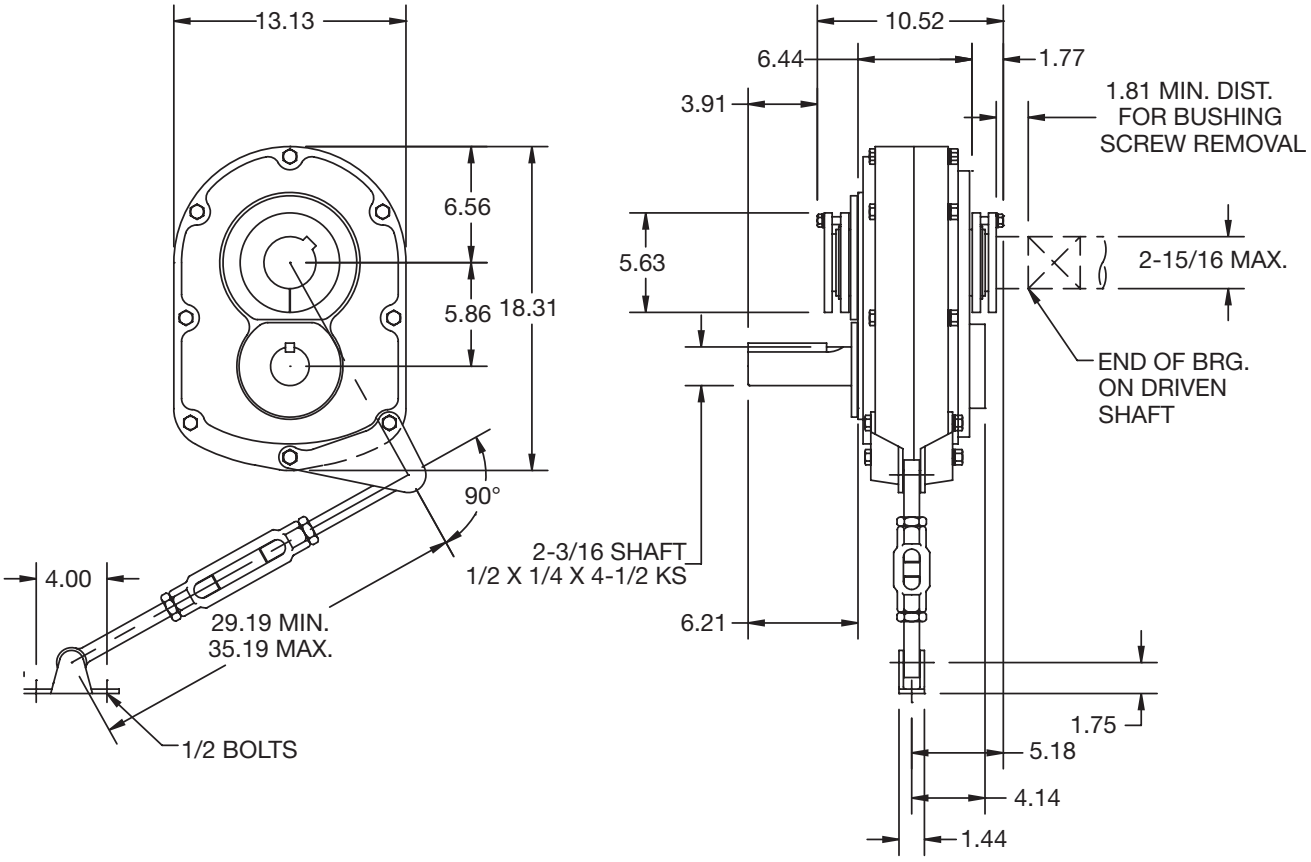
■ See pages G3-174 and G3-175 for reducer part numbers and drill and tap dimesions for Flange Mount TXT Reducers. Now available only as special factory order.
● Taper Bushed Reducers require bushing for all bore sizes.
♥ Use with Taper Bushed Reducer only. See page G3-177 for drill and tap information required to mount to reducer.

FEATURES/BENEFITS PAGE G3-2	SPECIFICATION PAGE G3-9	MODIFICATION/ACCESSORIES PAGE G3-72, G3-122	RELATED PRODUCTS PAGE G3-154

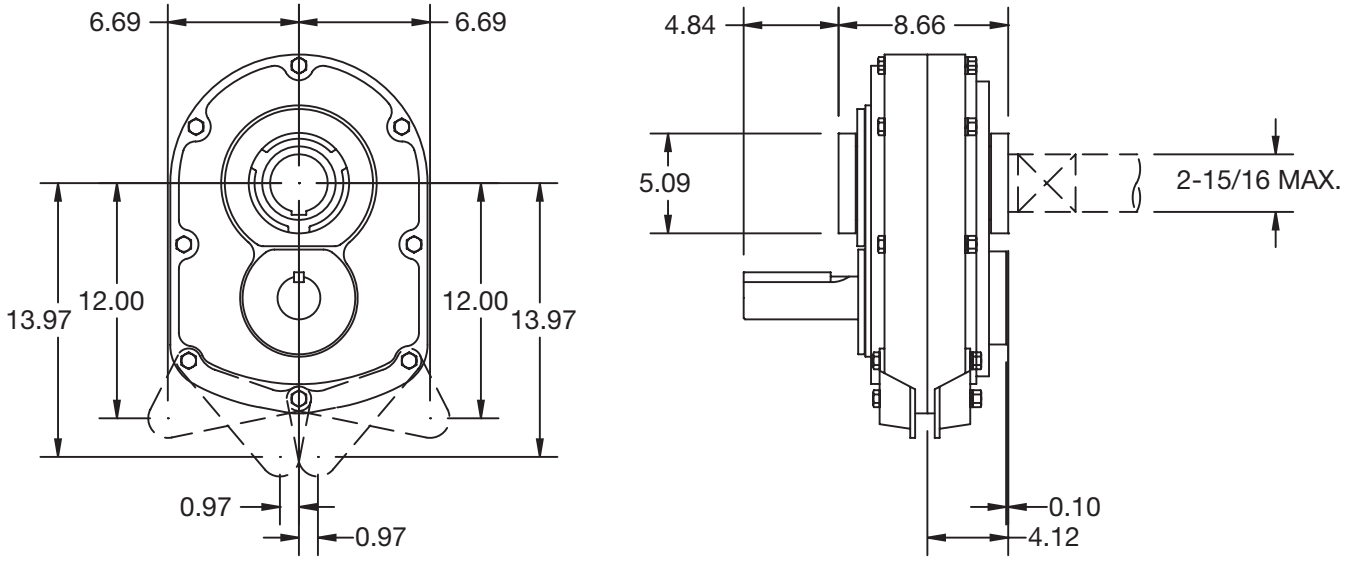
SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT505A - Single Reduction Taper Bushed



TXT505A - Single Reduction Straight Bore





SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT505A Taper Bushed Reducers ■ ❍

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT505AT	255200	215S05	5.67	182

TXT505A Straight Bore Reducers ■ ❍

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT505AS	255204	215S05	5.67	182

Accessories for TXT505A Reducers

Description	Part Number	Weight
TA5M Standard Motor Mount (143T-286T)	245391	76
TA5M Special Motor Mount (324T-326T) ♠ ♣	245393	79
TA5ML Long Motor Mount (143T-286T)	245392	89
TAB5 Bottom Motor Mount (143T-326T) ♠	245405	55
TXT505A Backstop Assembly	246101	1.8
TXT5S TA Reducer Belt Guard (143T-286T)	245389	59
TXT5S TA Reducer Belt Guard for Long Motor Mount (143T-286T) ♣	245162	90
TXT505A Cooling Fan Assembly	255231	3
TXT505A Taconite Auxiliary Seal Kit ♥	255230	12.3
TXT505 Lube Kit	LUBEKITTXT505	18.5

TXT5 Bushing Assemblies ●

Stock Bore Size		Part Number		Shaft Keyseat Required †		Weight	
		Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing
2-15/16	(Max.)	245112	◆	3/4 x 3/8 x 9-3/8	3/4 x 3/8 x 4-3/8	7.8	–
2-11/16	–	245110	245428	5/8 x 5/16 x 9-3/8	5/8 x 5/16 x 4-3/8	7.9	3.0
2-1/2	▲	245099	245427	5/8 x 5/16 x 9-3/8	5/8 x 5/16 x 4-3/8	8.5	3.4
2-7/16	▲	245094	245426	5/8 x 5/16 x 9-3/8	5/8 x 5/16 x 4-3/8	8.5	4.3
2-1/4	▲	245092	245425	1/2 x 1/4 x 9-3/8	1/2 x 1/4 x 3	9.2	4.7
2-3/16	▲	245090	245424	1/2 x 1/4 x 9-3/8	1/2 x 1/4 x 3	10.0	5.6
2	▲	245088	245423	1/2 x 1/4 x 9-3/8	1/2 x 1/4 x 3	10.2	5.9
1-15/16	▲	245086	245422	1/2 x 1/4 x 9-3/8	1/2 x 1/4 x 3	10.3	6.1

♣ Made to order
† Shaft key furnished.
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◆ Preferred bore. No bushing required for this bore size.
❍ Stock TXT Reducers are drilled for vertical mounting.
♠ Dodge standard belt guards will not fit this motor mount.

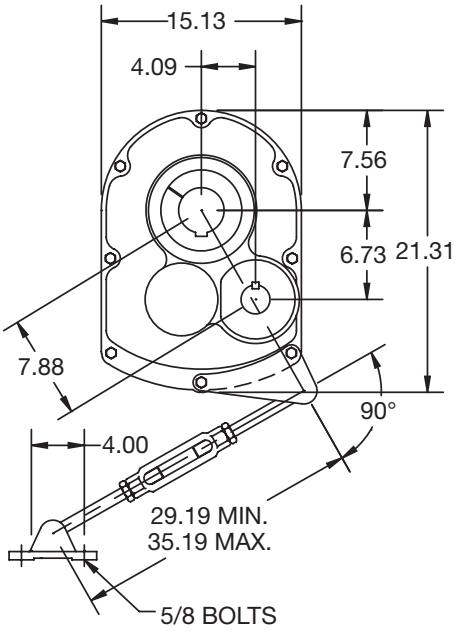
■ See pages G3-174 and G3-175 for reducer part numbers and drill and tap dimesions for Flange Mount TXT Reducers. Now available only as special factory order.
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♥ Use with Taper Bushed Reducer only. See page G3-177 for drill and tap information required to mount to reducer.

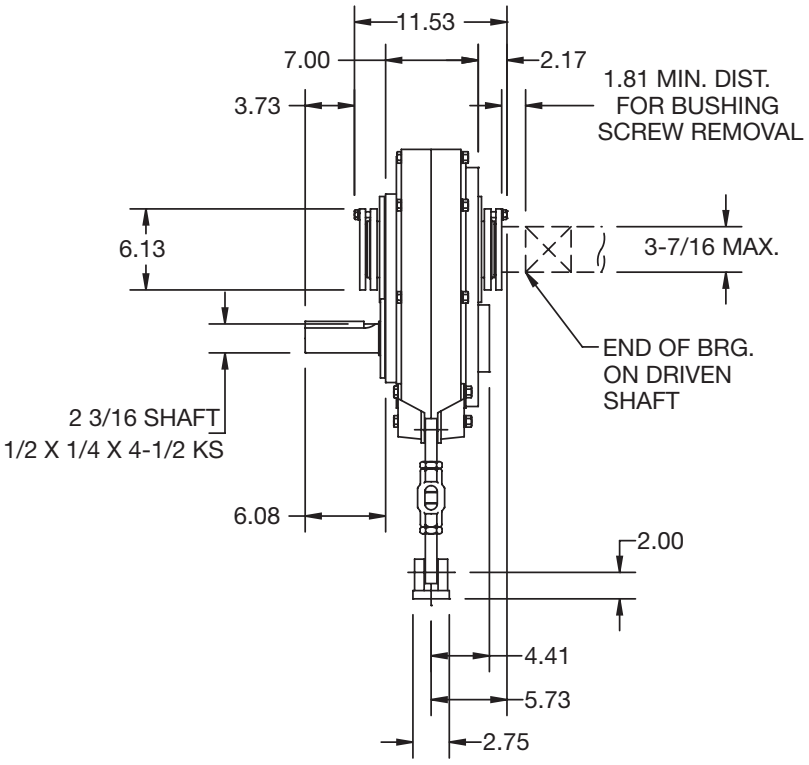
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SELECTION/DIMENSIONS

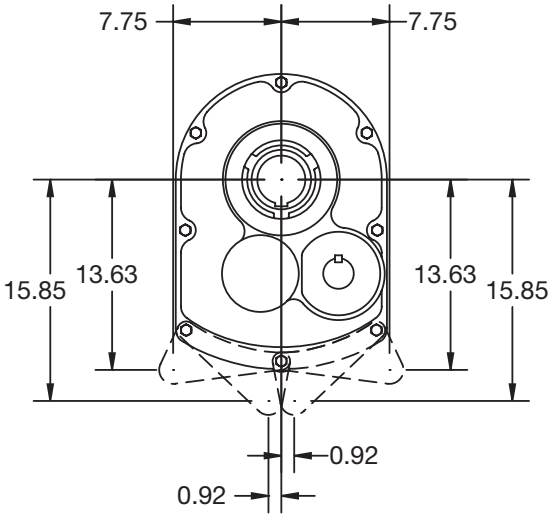
Torque-Arm Shaft Mount Speed Reducers

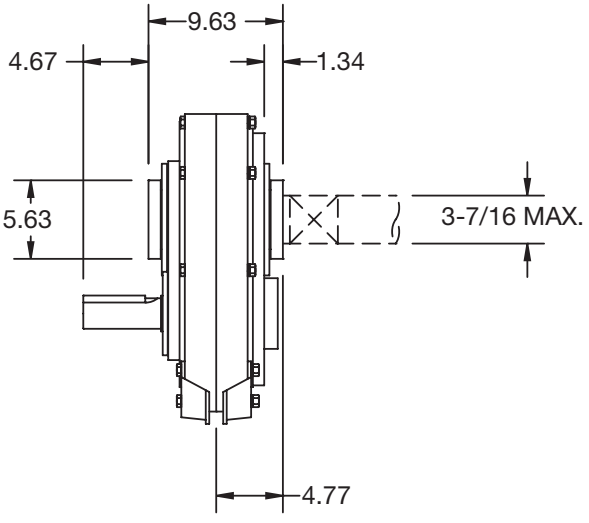
TXT6A - Double Reduction Taper Bushed





TXT6A - Double Reduction Straight Bore





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SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT6A Taper Bushed Reducers ■ ❍

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT609AT	246149 ♣	307D09	9.20	285
TXT615AT	246150	307D15	15.33	285
TXT625AT	246151	307D25	25.13	285

TXT6A Straight Bore Reducers ■ ❍

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT609AS	246327 ♣	307D09	9.20	285
TXT615AS	246158 ♣	307D15	15.33	285
TXT625AS	246159	307D25	25.13	285

Accessories for TXT6A Reducers

Description	Part Number	Weight
TA6M Standard Motor Mount (143T-326T)	246391	99
TA6M Special Motor Mount (364T) ♣ ♠	246388	110
TA6ML Long Motor Mount (143T-326T)	246390	100
TAB6 Bottom Motor Mount (182T-326T) ♠	246392	84
TXT6 Backstop Assembly	246092	2.5
TXT6D TA Reducer Belt Guard (143T-326T)	246366	83
TXT6D TA Reducer Belt Guard for Long Motor Mount (143T-326T)	246147	100
TXT6 Cooling Fan Assembly	272325	3
TXT6 Taconite Auxiliary Seal Kit ♥	272450	17.7
TXT6 Lube Kit	LUBEKITTXT6	20.8

TXT6 Bushing Assemblies ●

Stock Bore Size		Part Number		Shaft Keyseat Required †		Weight	
		Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing
3-7/16	(Max.)	246268	◆	7/8 x 7/16 x 10-11/16	7/8 x 7/16 x 5-7/8	9.0	–
3	▲	246283	246427	3/4 x 3/8 x 10-11/16	3/4 x 3/8 x 5-7/8	11.3	4.6
2-15/16	▲	246267	246426	3/4 x 3/8 x 10-11/16	3/4 x 3/8 x 5-7/8	11.6	6.7
2-7/8	▲	246266	246425	3/4 x 3/8 x 10-11/16	3/4 x 3/8 x 5-7/8	12.2	6.7
2-11/16	▲	246265	246424	5/8 x 5/16 x 10-11/16	5/8 x 5/16 x 5-7/8	12.9	6.7
2-1/2	▲	246264	246423	5/8 x 5/16 x 10-11/16	5/8 x 5/16 x 3-1/2	14.0	8.2
2-7/16	▲	246263	246422	5/8 x 5/16 x 10-11/16	5/8 x 5/16 x 3-1/2	14.4	8.5
2-1/4	▲	246262	246421	1/2 x 1/4 x 10-11/16	1/2 x 1/4 x 3-1/2	14.9	9.8
2-3/16	▲	246261	246420 ♣	1/2 x 1/4 x 10-11/16	1/2 x 1/4 x 3-1/2	15.3	11.0

♣ Made to order
† Shaft key furnished.
▲ Check the driven shaft and key for strength.
◆ Preferred bore. No bushing required for this bore size.
❍ Stock TXT Reducers are drilled for vertical mounting.
♠ Dodge standard belt guards will not fit this motor mount.

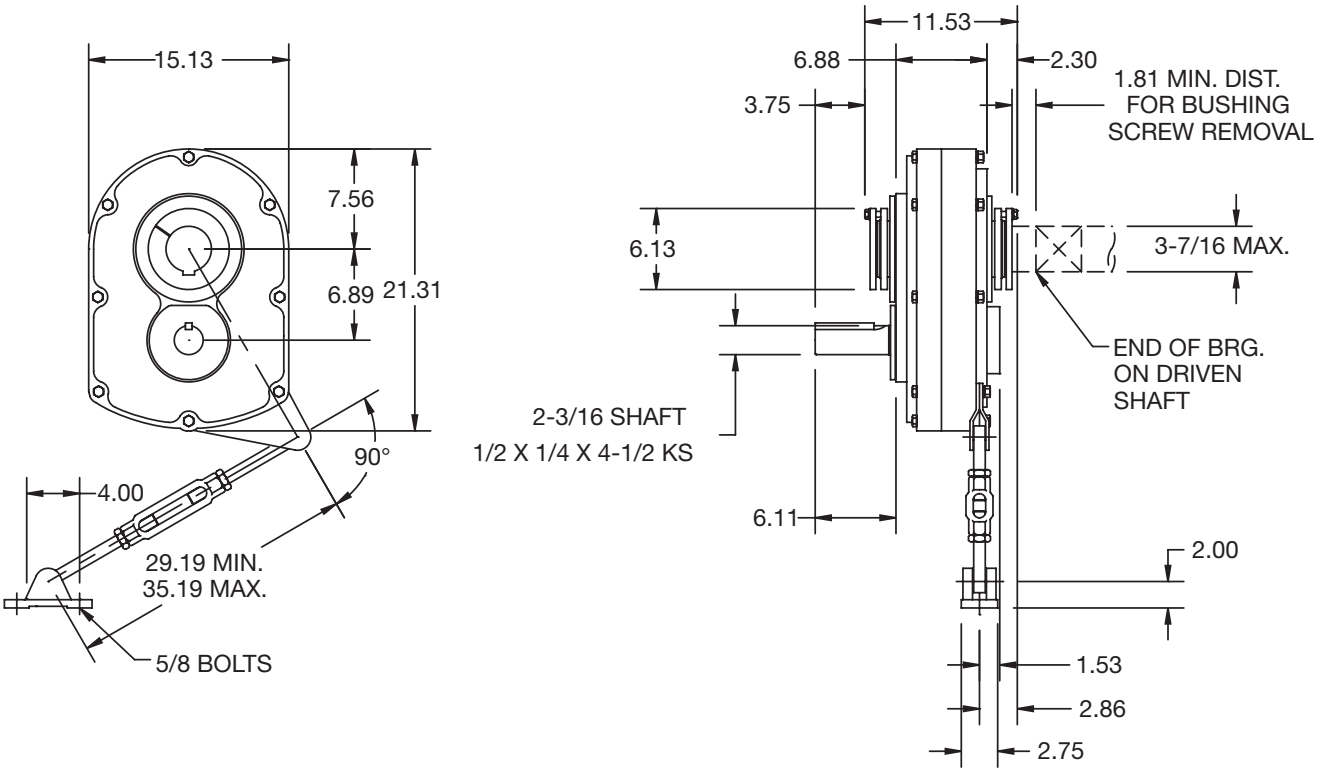
■ See pages G3-174 and G3-175 for reducer part numbers and drill and tap dimesions for Flange Mount TXT Reducers. Now available only as special factory order.
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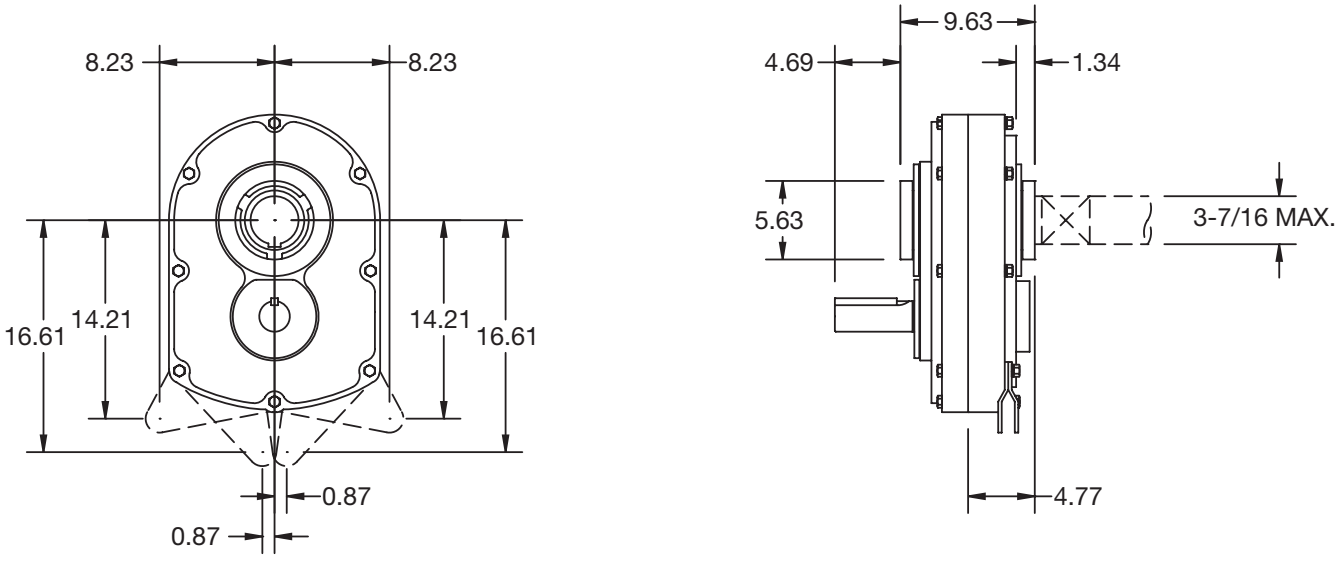
SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT605 - Single Reduction Taper Bushed



TXT605 - Single Reduction Straight Bore





SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT605 Taper Bushed Reducers ■ ❍

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT605T	246380	307S05	5.67	251

TXT605 Straight Bore Reducers ■ ❍

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT605S	246382	307S05	5.67	251

Accessories for TXT605 Reducers

Description	Part Number	Weight
TA6M Standard Motor Mount (143T-326T)	246391	99
TA6ML Long Motor Mount (143T-326T)	246390	100
TAB6 Bottom Motor Mount (182T-326T) ♠	246392	84
TXT605 Backstop Assembly	246092	2.5
TXT6S TA Reducer Belt Guard (143T-326T)	246368	95
TXT6S TA Reducer Belt Guard for Long Motor Mount (143T-326T) ♣	246132	100
TXT605 Cooling Fan Assembly ♣	272681	3
TXT605 Taconite Auxiliary Seal Kit ♥	272450	17.7
TXT605 Lube Kit	LUBEKITTXT605	24.3

TXT6 Bushing Assemblies ●

Stock Bore Size		Part Number		Shaft Keyseat Required †		Weight	
		Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing
3-7/16	(Max.)	246268	◆	7/8 x 7/16 x 10-11/16	7/8 x 7/16 x 5-7/8	9.0	–
3	▲	246283	246427	3/4 x 3/8 x 10-11/16	3/4 x 3/8 x 5-7/8	11.30	4.6
2-15/16	▲	246267	246426	3/4 x 3/8 x 10-11/16	3/4 x 3/8 x 5-7/8	11.60	6.7
2-7/8	▲	246266	246425	3/4 x 3/8 x 10-11/16	3/4 x 3/8 x 5-7/8	12.20	6.7
2-11/16	▲	246265	246424	5/8 x 5/16 x 10-11/16	5/8 x 5/16 x 5-7/8	12.90	6.7
2-1/2	▲	246264	246423	5/8 x 5/16 x 10-11/16	5/8 x 5/16 x 3-1/2	14.0	8.2
2-7/16	▲	246263	246422	5/8 x 5/16 x 10-11/16	5/8 x 5/16 x 3-1/2	14.40	8.5
2-1/4	▲	246262	246421	1/2 x 1/4 x 10-11/16	1/2 x 1/4 x 3-1/2	14.90	9.8
2-3/16	▲	246261	246420 ♣	1/2 x 1/4 x 10-11/16	1/2 x 1/4 x 3-1/2	15.30	11.0

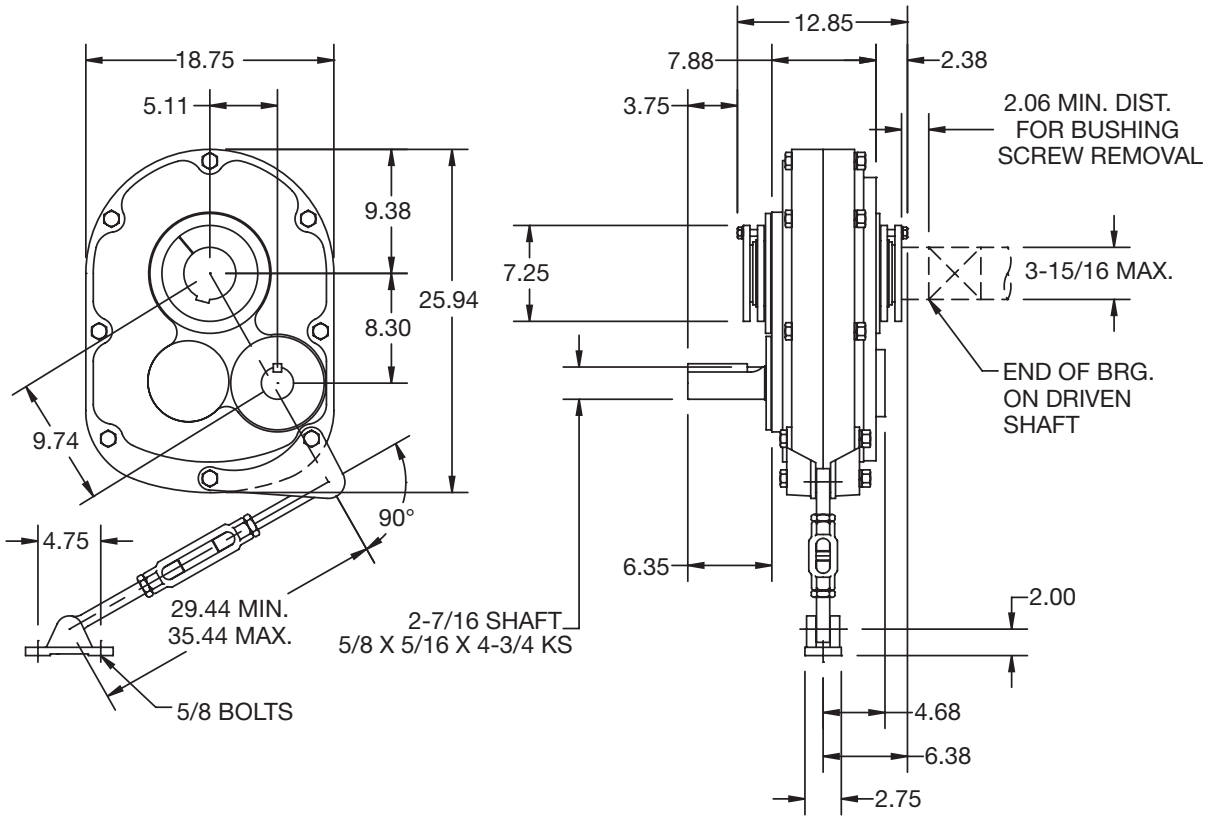
♣ Made to order
† Shaft key furnished.
▲ Check the driven shaft and key for strength.
◆ Preferred bore. No bushing required for this bore size.
❍ Stock TXT Reducers are drilled for vertical mounting.
♠ Dodge standard belt guards will not fit this motor mount.

■ See pages G3-174 and G3-175 for reducer part numbers and drill and tap dimesions for Flange Mount TXT Reducers. Now available only as special factory order.
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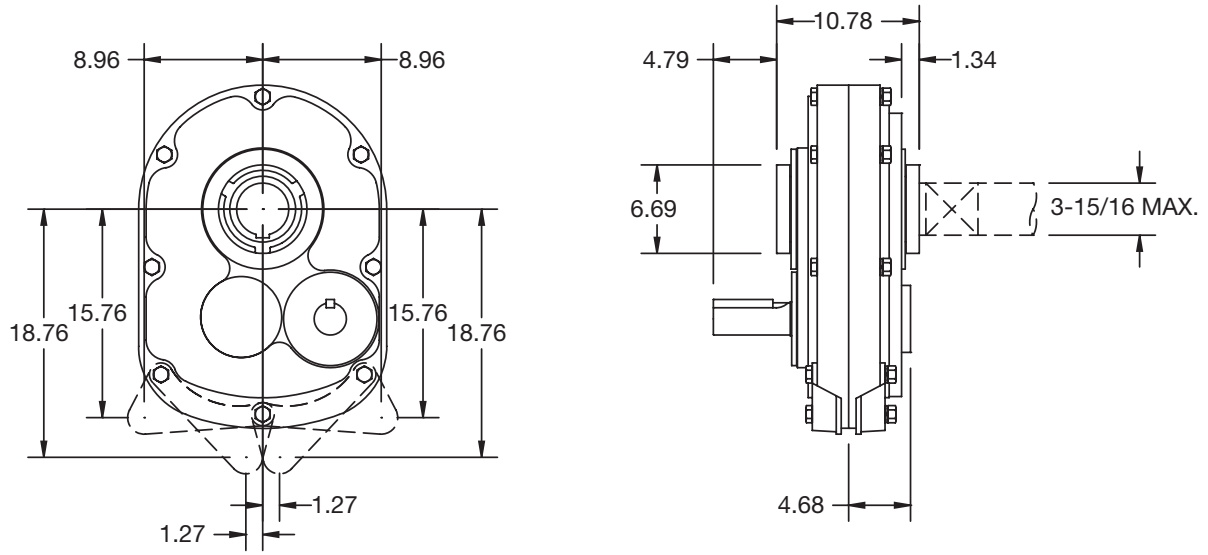
SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT7A - Double Reduction Taper Bushed



TXT7A - Double Reduction Straight Bore





SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT7A Taper Bushed Reducers ■ ❍

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT709AT	247159	315D09	9.61	462
TXT715AT	247160	315D15	15.23	462
TXT725AT	247161	315D25	24.59	462

TXT7A Straight Bore Reducers ■ ❍

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT709AS	247327 ♣	315D09	9.61	462
TXT715AS	247168 ♣	315D15	15.23	462
TXT725AS	247169	315D25	24.59	462

Accessories for TXT7A Reducers

Description	Part Number	Weight
TA7M Standard Motor Mount (143T-365T)	247395	110
TA7ML Long Motor Mount (143T-326T) ♣	247396	100
TAB7 Bottom Motor Mount (182T-326T) ♠ ♣	247404	105
TXT7 Backstop Assembly	247260	2.8
TXT7D TA Reducer Belt Guard (143T-365T)	247390	90
TXT7D TA Reducer Belt Guard for Long Motor Mount (143T-365T) ♣	247152	108
TXT7 Cooling Fan Assembly	272326	6
TXT7 Taconite Auxiliary Seal Kit ♥	272451	25
TXT7 Lube Kit	LUBEKITTXT7	34.7

TXT7 Bushing Assemblies ●

Stock Bore Size		Part Number		Shaft Keyseat Required †		Weight	
		Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing
3-15/16	(Max.)	272136	◆	1 x 1/2 x 11-27/32	1 x 1/2 x 4-7/8	13.8	–
3-7/16	–	272135	247428	7/8 x 7/16 x 11-27/32	7/8 x 7/16 x 6-3/8	16.9	7.8
3-3/16	▲	272134	247427	3/4 x 3/8 x 11-27/32	3/4 x 3/8 x 6-3/8	19.2	9.0
3	▲	272133	247426	3/4 x 3/8 x 11-27/32	3/4 x 3/8 x 6-3/8	20.1	10.1
2-15/16	▲	272132	247425	3/4 x 3/8 x 11-27/32	3/4 x 3/8 x 4-7/8	21.3	10.1
2-11/16	▲	272147	247422	5/8 x 5/16 x 11-27/32	5/8 x 5/16 x 3-1/2	23.0	14.0
2-7/16	▲	272125	247420	5/8 x 5/16 x 11-27/32	5/8 x 5/16 x 3-1/2	24.2	14.2

♣ Made to order
† Shaft key furnished.
▲ Check the driven shaft and key for strength.
◆ Preferred bore. No bushing required for this bore size.
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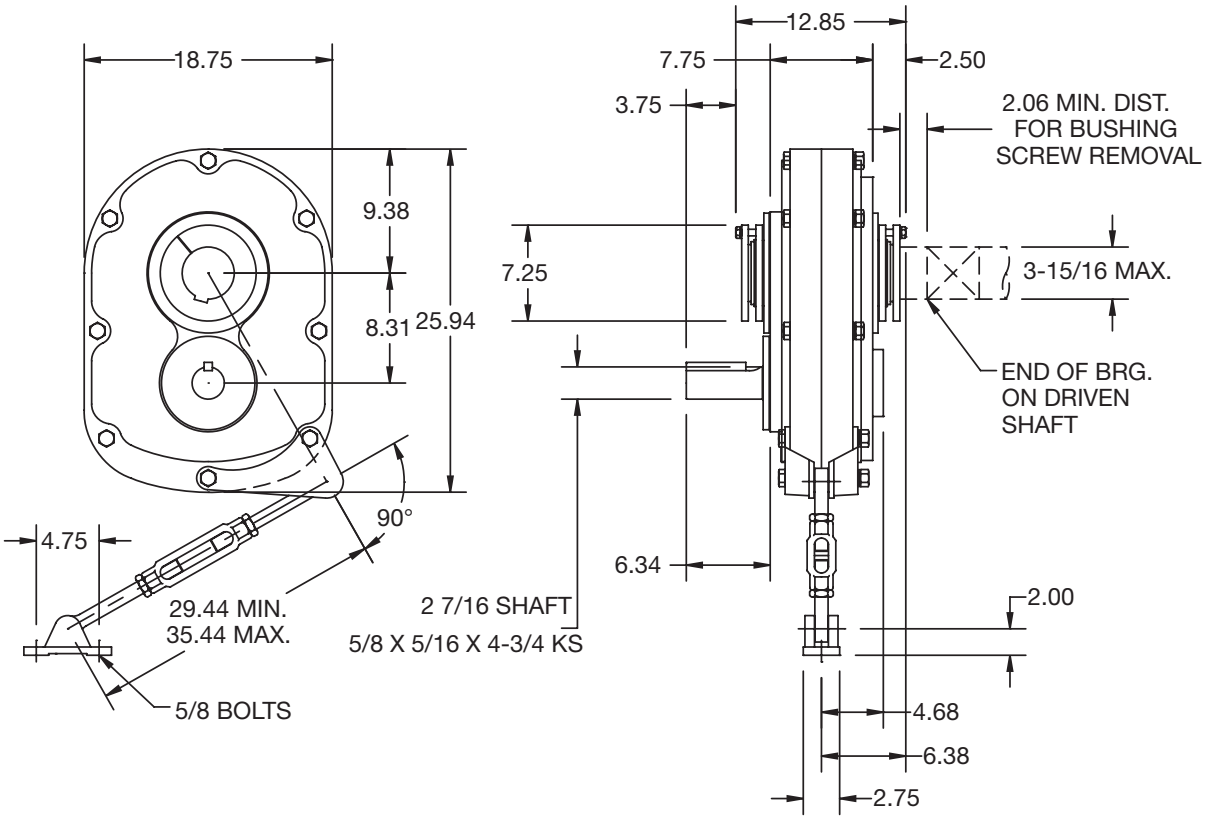
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♥ Use with Taper Bushed Reducer only. See page G3-178 for drill and tap information required to mount to reducer.

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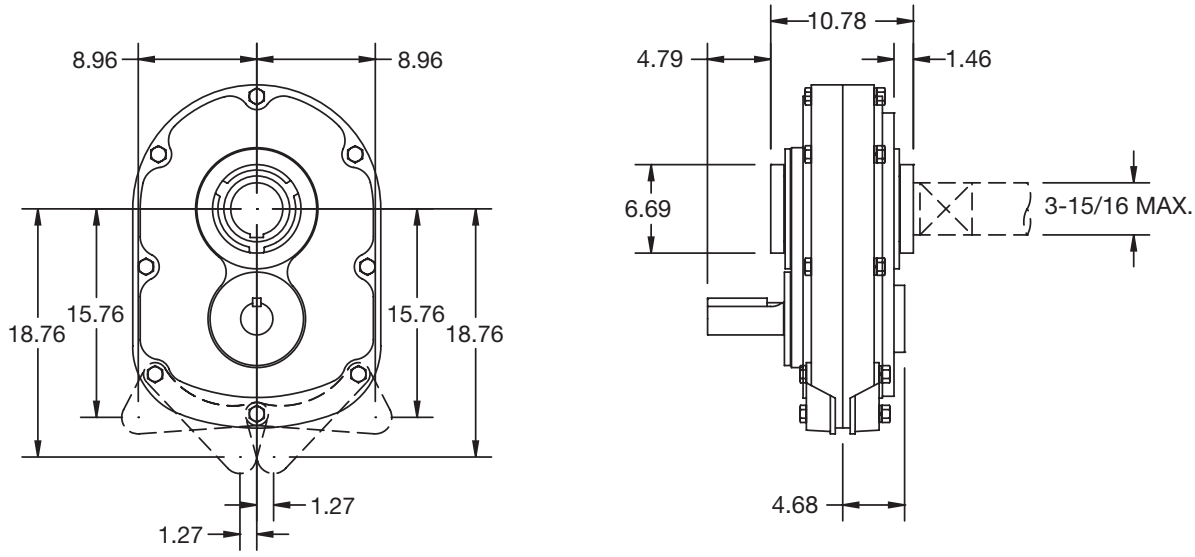
SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT705 - Single Reduction Taper Bushed



TXT705 - Single Reduction Straight Bore



FEATURES/BENEFITS PAGE G3-2	SPECIFICATION PAGE G3-9	MODIFICATION/ACCESSORIES PAGE G3-72, G3-122	RELATED PRODUCTS PAGE G3-154



SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT705 Taper Bushed Reducers ■ ❍

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT705T	247285 ♣	315S05	5.36	410

TXT705 Straight Bore Reducers ■ ❍

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT705S	247287 ♣	315S05	5.36	410

Accessories for TXT705 Reducers

Description	Part Number	Weight
TA7M Standard Motor Mount (143T-365T)	247395	110
TA7ML Long Motor Mount (143T-326T) ♣	247396	100
TAB7 Bottom Motor Mount (182T-326T) ♠ ♣	247404	105
TXT705 Backstop Assembly	247260	2.80
TXT7S TA Reducer Belt Guard (143T-365T)	247392	112
TXT7S TA Reducer Belt Guard for Long Motor Mount (143T-365T) ♣	247146	135
TXT705 Cooling Fan Assembly ♣	272685	6
TXT705 Taconite Auxiliary Seal Kit ♥	272451	25
TXT705 Lube Kit	LUBEKITTXT705	39.3

TXT7 Bushing Assemblies ●

Stock Bore Size		Part Number		Shaft Keyseat Required †		Weight	
		Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing
3-15/16	(Max.)	272136	◆	1 x 1/2 x 11-27/32	1 x 1/2 x 4-7/8	13.8	–
3-7/16	–	272135	247428	7/8 x 7/16 x 11-27/32	7/8 x 7/16 x 6-3/8	16.9	7.8
3-3/16	▲	272134	247427	3/4 x 3/8 x 11-27/32	3/4 x 3/8 x 6-3/8	19.2	9.0
3	▲	272133	247426	3/4 x 3/8 x 11-27/32	3/4 x 3/8 x 6-3/8	20.1	10.1
2-15/16	▲	272132	247425	3/4 x 3/8 x 11-27/32	3/4 x 3/8 x 4-7/8	21.3	10.1
2-11/16	▲	272147	247422	5/8 x 5/16 x 11-27/32	5/8 x 5/16 x 3-1/2	23.0	14.0
2-7/16	▲	272125	247420	5/8 x 5/16 x 11-27/32	5/8 x 5/16 x 3-1/2	24.2	14.2

♣ Made to order
† Shaft key furnished.
▲ Check the driven shaft and key for strength.
◆ Preferred bore. No bushing required for this bore size.
❍ Stock TXT Reducers are drilled for vertical mounting.
♠ Dodge standard belt guards will not fit this motor mount.

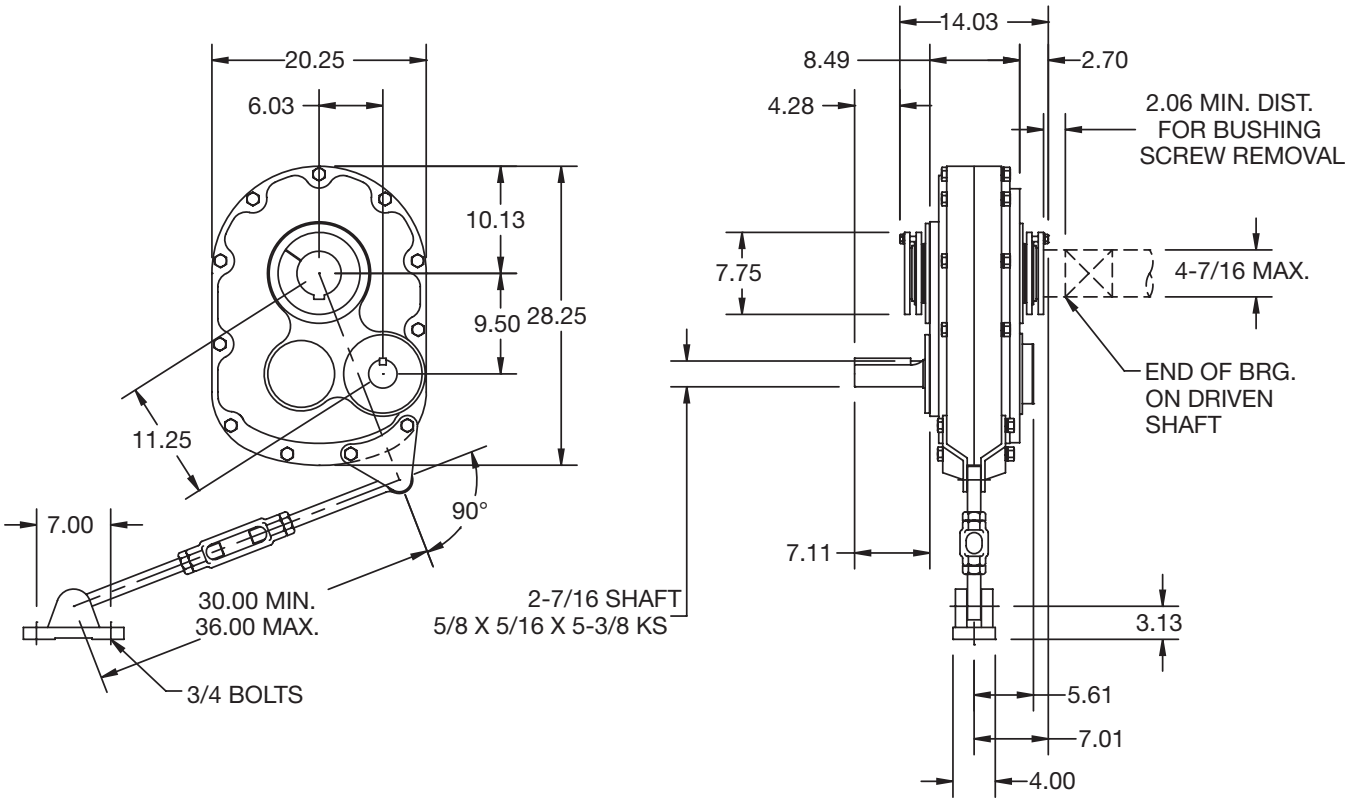
■ See pages G3-174 and G3-175 for reducer part numbers and drill and tap dimesions for Flange Mount TXT Reducers. Now available only as special factory order.
● Taper Bushed Reducers require bushing for all bore sizes.
♥ Use with Taper Bushed Reducer only. See page G3-178 for drill and tap information required to mount to reducer.

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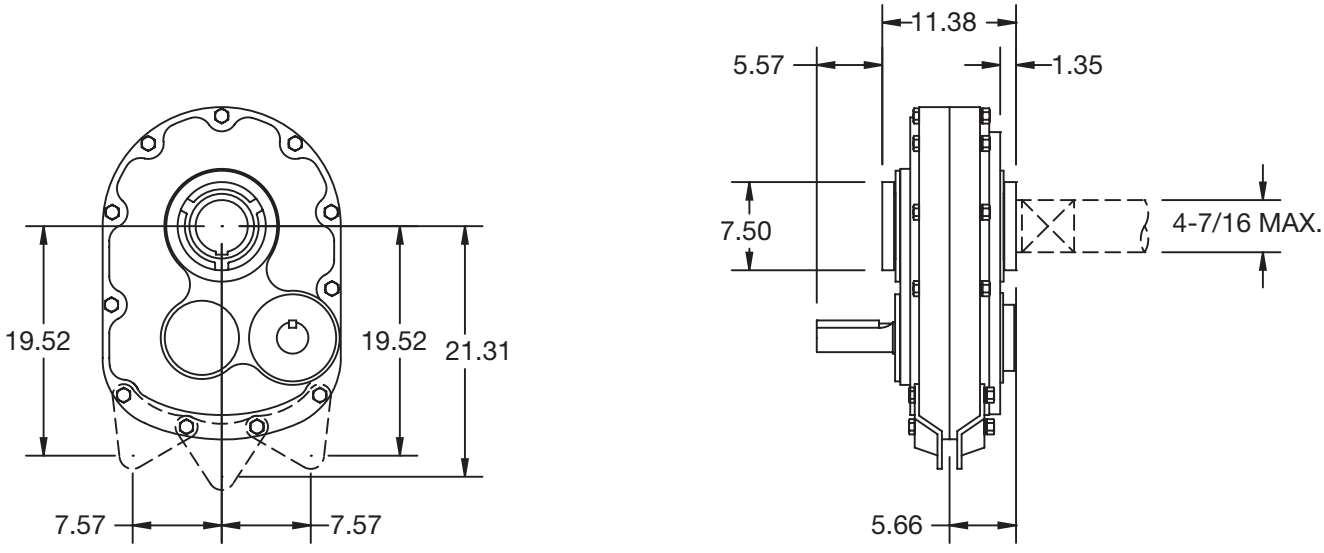
SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT8A - Double Reduction Taper Bushed



TXT8A - Double Reduction Straight Bore





SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT8A Taper Bushed Reducers ■ ❍

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT815AT	248279	407D15	15.08	633
TXT825AT	248280	407D25	24.62	633

TXT8A Straight Bore Reducers ■ ❍

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT815AS	248283 ♣	407D15	15.08	633
TXT825AS	248284	407D25	24.62	633

Accessories for TXT8A Reducers

Description	Part Number	Weight
TA8 Standard Motor Mount (213T-365T)	248401	119
TAB8 Bottom Motor Mount (213T-365T) ♠ ♣	248406	120
TXT8 Backstop Assembly	249260	3.8
TXT8D TA Reducer Belt Guard (213T-365T)	248395	107
TXT8 Cooling Fan Assembly	272327	9
TXT8 Taconite Auxiliary Seal Kit ♥	272452	26.3
TXT8 Lube Kit	LUBEKITTXT8	40.5

TXT8 Bushing Assemblies ●

Stock Bore Size		Part Number		Shaft Keyseat Required †		Weight	
		Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing
4-7/16	(Max.)	272035	◆	1 x 1/2 x 13-1/16	1 x 1/2 x 6-7/8	15	–
4-3/16	–	272034	248424	1 x 1/2 x 13-1/16	1 x 1/2 x 6-7/8	17	6.8
3-15/16	–	272033	248423	1 x 1/2 x 13-1/16	1 x 1/2 x 6-7/8	20	8.0
3-7/16	▲	272032	248422	7/8 x 7/16 x 13-1/16	7/8 x 7/16 x 6-7/8	25	12
2-15/16	▲	272048	248420	3/4 x 3/8 x 13-1/16	3/4 x 3/8 x 4-3/8	29	19

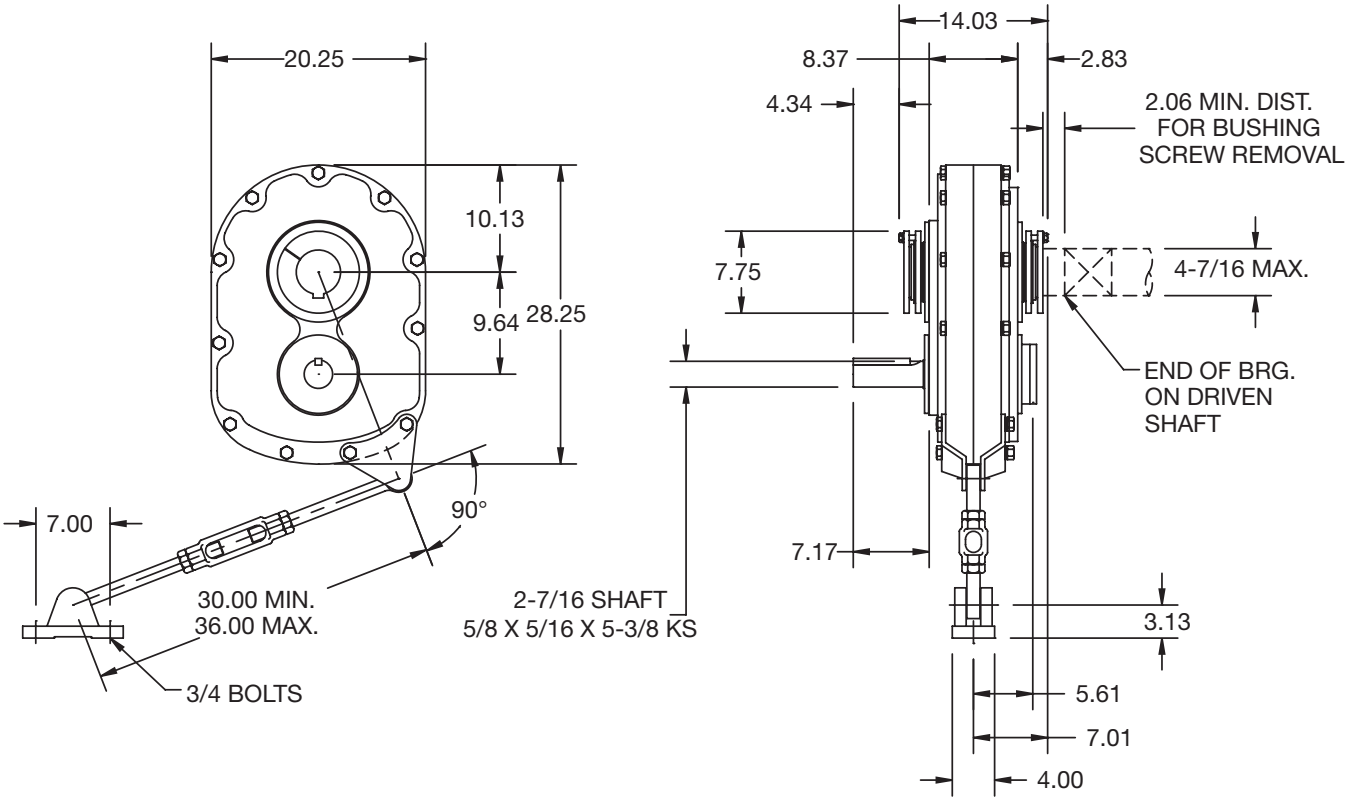
♣ Made to order
† Shaft key furnished.
▲ Check the driven shaft and key for strength.
◆ Preferred bore. No bushing required for this bore size.
❍ Stock TXT Reducers are drilled for vertical mounting.
♠ Dodge standard belt guards will not fit this motor mount.

■ See pages G3-174 and G3-175 for reducer part numbers and drill and tap dimesions for Flange Mount TXT Reducers. Now available only as special factory order.
● Taper Bushed Reducers require bushing for all bore sizes.
♥ Use with Taper Bushed Reducer only. See page G3-178 for drill and tap information required to mount to reducer.

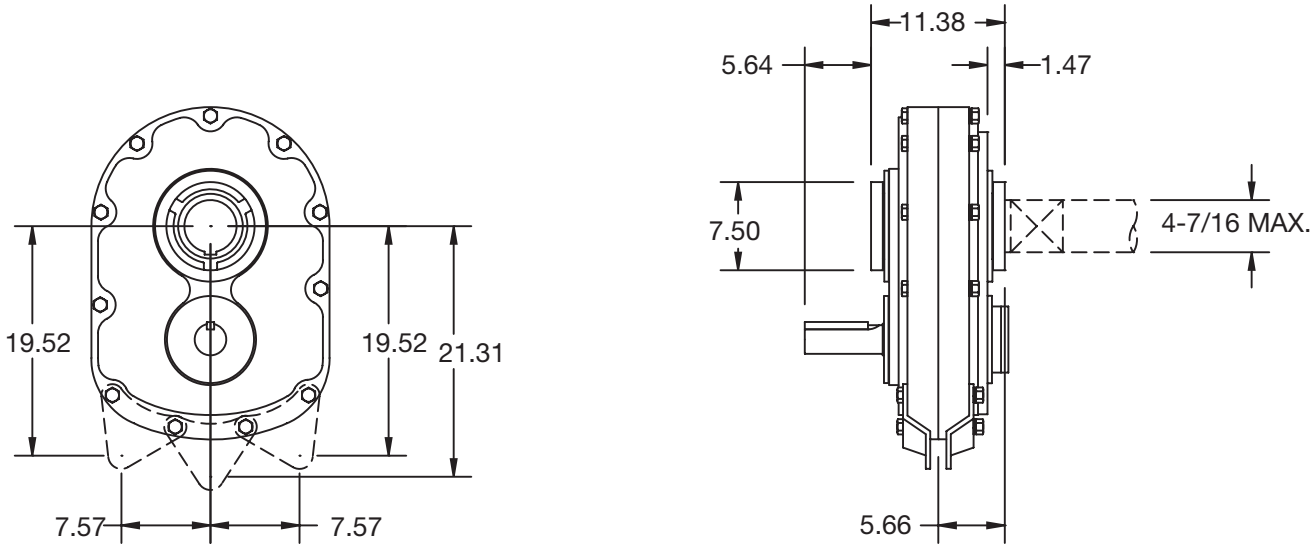
SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT805 - Single Reduction Taper Bushed



TXT805 - Single Reduction Straight Bore





SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT805 Taper Bushed Reducers ■ ❍

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT805T	248275 ♣	407S05	5.50	557

TXT805 Straight Bore Reducers ■ ❍

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT805S	248277 ♣	407S05	5.50	557

Accessories for TXT805 Reducers

Description	Part Number	Weight
TA8 Standard Motor Mount (254T-365T)	248401	119
TAB8 Bottom Motor Mount (213T-365T) ♠ ♣	248406	120
TXT805 Backstop Assembly	250260	5.6
TXT8S TA Reducer Belt Guard (213T-365T)	248397	125
TXT8 Cooling Fan Assembly	272327	9
TXT8 Taconite Auxiliary Seal Kit ♥	272452	26.3
TXT8 Lube Kit	LUBEKITTXT805	45.1

TXT8 Bushing Assemblies ●

Stock Bore Size		Part Number		Shaft Keyseat Required †		Weight	
		Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing
4-7/16	(Max.)	272035	◆	1 x 1/2 x 13-1/16	1 x 1/2 x 6-7/8	15	–
4-3/16	–	272034	248424	1 x 1/2 x 13-1/16	1 x 1/2 x 6-7/8	17	6.8
3-15/16	–	272033	248423	1 x 1/2 x 13-1/16	1 x 1/2 x 6-7/8	20	8.0
3-7/16	▲	272032	248422	7/8 x 7/16 x 13-1/16	7/8 x 7/16 x 6-7/8	25	12
2-15/16	▲	272048	248420	3/4 x 3/8 x 13-1/16	3/4 x 3/8 x 4-3/8	29	19

♣ Made to order
† Shaft key furnished.
▲ Check the driven shaft and key for strength.
◆ Preferred bore. No bushing required for this bore size.
❍ Stock TXT Reducers are drilled for vertical mounting.
♠ Dodge standard belt guards will not fit this motor mount.

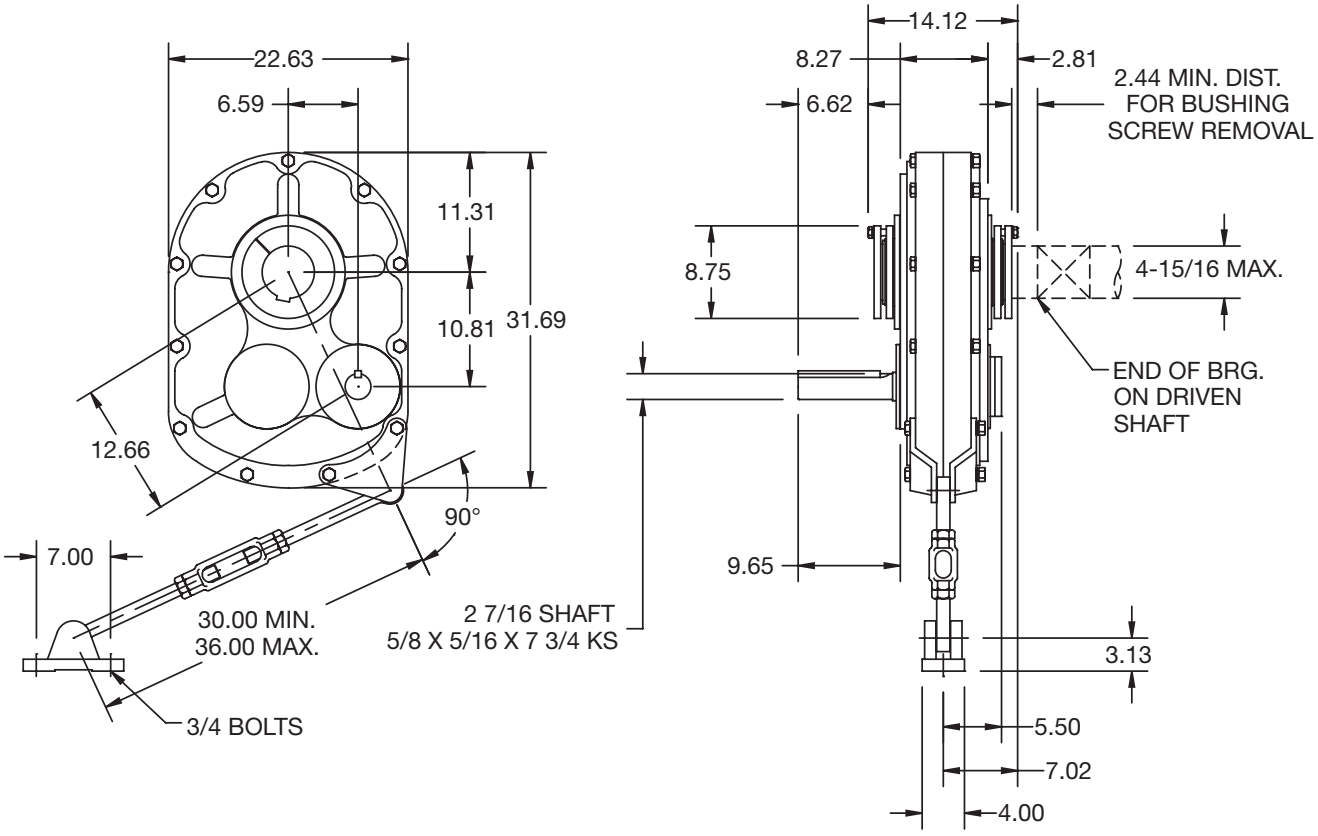
■ See pages G3-174 and G3-175 for reducer part numbers and drill and tap dimesions for Flange Mount TXT Reducers. Now available only as special factory order.
● Taper Bushed Reducers require bushing for all bore sizes.
♥ Use with Taper Bushed Reducer only. See page G3-178 for drill and tap information required to mount to reducer.

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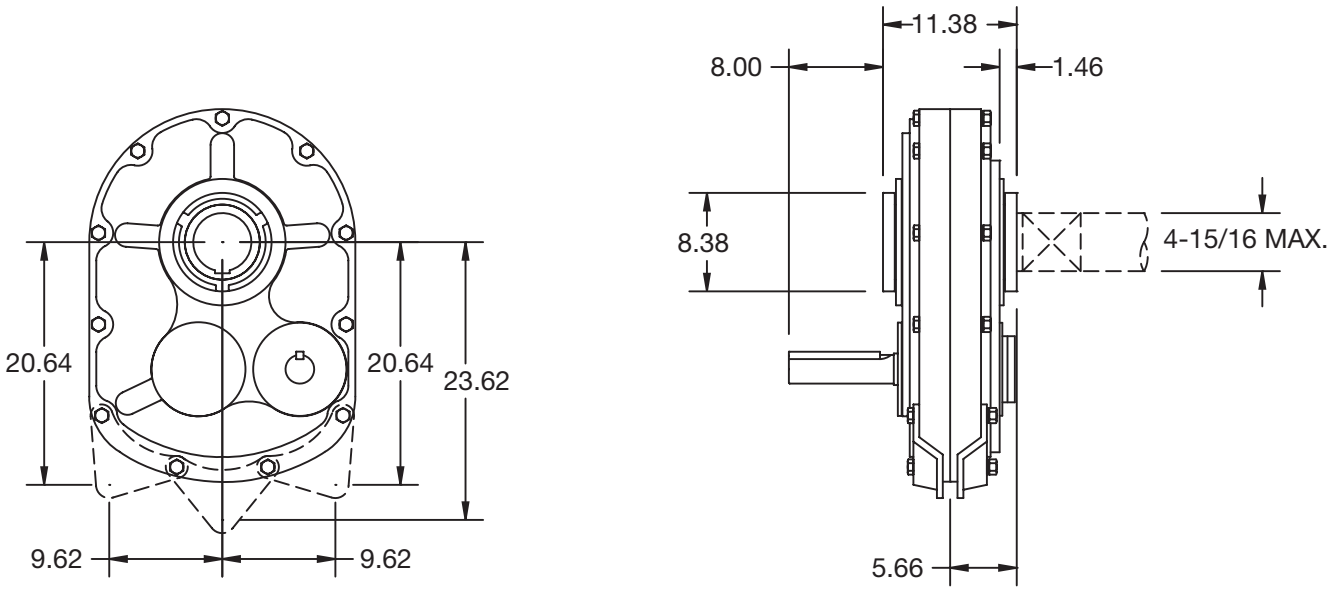
SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT9A - Double Reduction Taper Bushed



TXT9A - Double Reduction Straight Bore





SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT9A Taper Bushed Reducers ■ ❍

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT915AT	249269	415D15	15.12	760
TXT926AT	249270	415D26	25.66	760

TXT9A Straight Bore Reducers ■ ❍

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT915AS	249273 ♣	415D15	15.12	760
TXT926AS	249274	415D26	25.66	760

Accessories for TXT9A Reducers

Description	Part Number	Weight
TA9 Standard Motor Mount (213T-365T)	249401	120
TA9 Special Motor Mount (404T-405T) ♣ ♠	249399	125
TAB9 Bottom Motor Mount (213T-365T) ♠ ♣	249404	125
TXT9 Backstop Assembly	249260	3.8
TXT9D TA Reducer Belt Guard (213T-365T)	249395	125
TXT9 Cooling Fan Assembly	272328	15
TXT9 Taconite Auxiliary Seal Kit ♥	272453	32.6
TXT9 Lube Kit	LUBEKITTXT9	53.2

TXT9 Bushing Assemblies ●

Stock Bore Size		Part Number		Shaft Keyseat Required †		Weight	
		Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing
4-15/16	(Max.)	272080	◆	1-1/4 x 5/8 x 12-15/16	1-1/4 x 5/8 x 11-3/8	22	–
4-7/16	–	272079	249422	1 x 1/2 x 12-15/16	1 x 1/2 x 11-3/8	27	12.5
3-15/16	▲	272077	249421	1 x 1/2 x 12-15/16	1 x 1/2 x 11-3/8	32.4	26
3-7/16	▲	272056	249420	7/8 x 7/16 x 12-15/16	7/8 x 7/16 x 5	36	28

♣ Made to order
† Shaft key furnished.
▲ Check the driven shaft and key for strength.
◆ Preferred bore. No bushing required for this bore size.
❍ Stock TXT Reducers are drilled for vertical mounting.
♠ Dodge standard belt guards will not fit this motor mount.

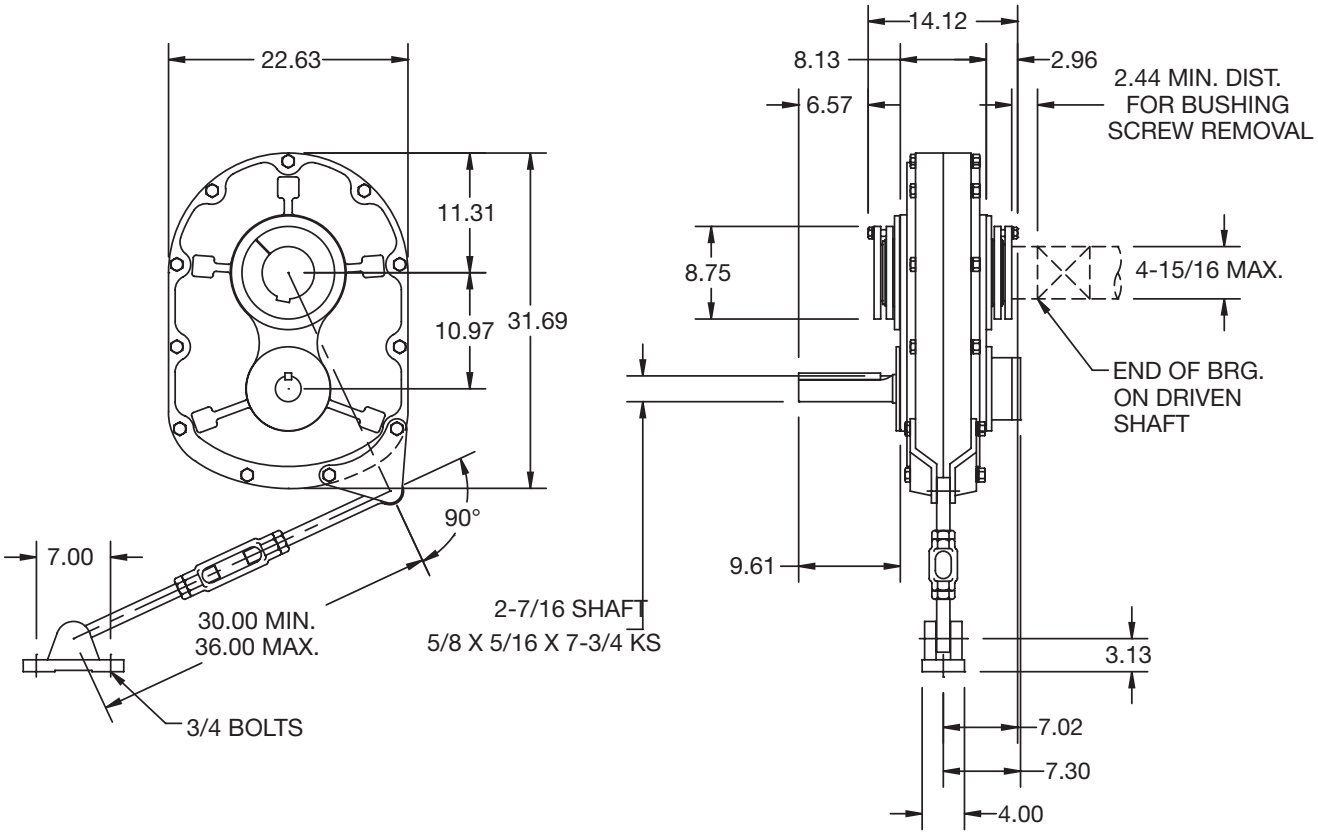
■ See pages G3-174 and G3-175 for reducer part numbers and drill and tap dimesions for Flange Mount TXT Reducers. Now available only as special factory order.
● Taper Bushed Reducers require bushing for all bore sizes.
♥ Use with Taper Bushed Reducer only. See page G3-178 for drill and tap information required to mount to reducer.

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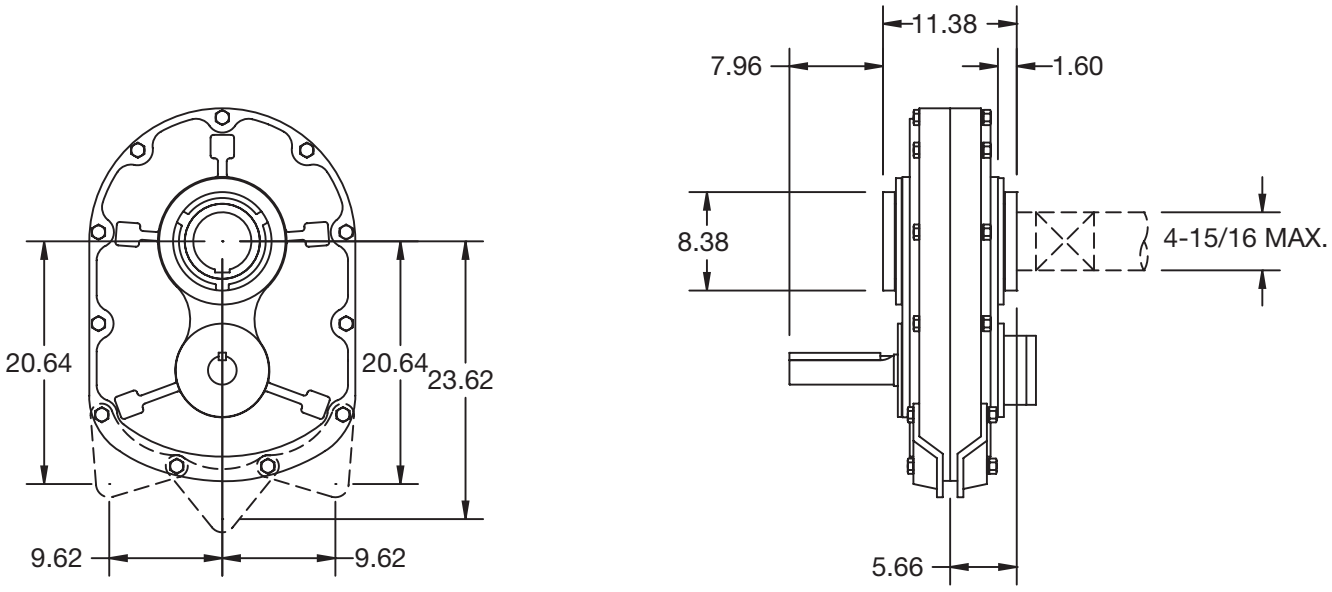
SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT905 - Single Reduction Taper Bushed



TXT905 - Single Reduction Straight Bore





SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT905 Taper Bushed Reducers ■ ❍

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT905T	249265 ♣	415S05	5.38	668

TXT905 Straight Bore Reducers ■ ❍

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT905S	249267 ♣	415S05	5.38	668

Accessories for TXT905 Reducers

Description	Part Number	Weight
TA9 Standard Motor Mount (284T-365T)	249401	120
TA9 Special Motor Mount (404T-445T) ♣ ♠	249399	125
TAB9 Bottom Motor Mount (213T-365T) ♣ ♠	249404	125
TXT905 Backstop Assembly	272259	6.7
TXT9-S TA Reducer Belt Guard (213T-365T)	249397	156
TXT905 Cooling Fan Assembly ♣	272324	15
TXT9 Taconite Auxiliary Seal Kit ♥	272453	32.6
TXT9 Lube Kit	LUBEKITTXT905	64.8

TXT9 Bushing Assemblies ●

Stock Bore Size		Part Number		Shaft Keyseat Required †		Weight	
		Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing
4-15/16	(Max.)	272080	◆	1-1/4 x 5/8 x 12-15/16	1-1/4 x 5/8 x 11-3/8	22	–
4-7/16	–	272079	249422	1 x 1/2 x 12-15/16	1 x 1/2 x 11-3/8	27	12.5
3-15/16	▲	272077	249421	1 x 1/2 x 12-15/16	1 x 1/2 x 11-3/8	32.4	26
3-7/16	▲	272056	249420	7/8 x 7/16 x 12-15/16	7/8 x 7/16 x 5	36	28

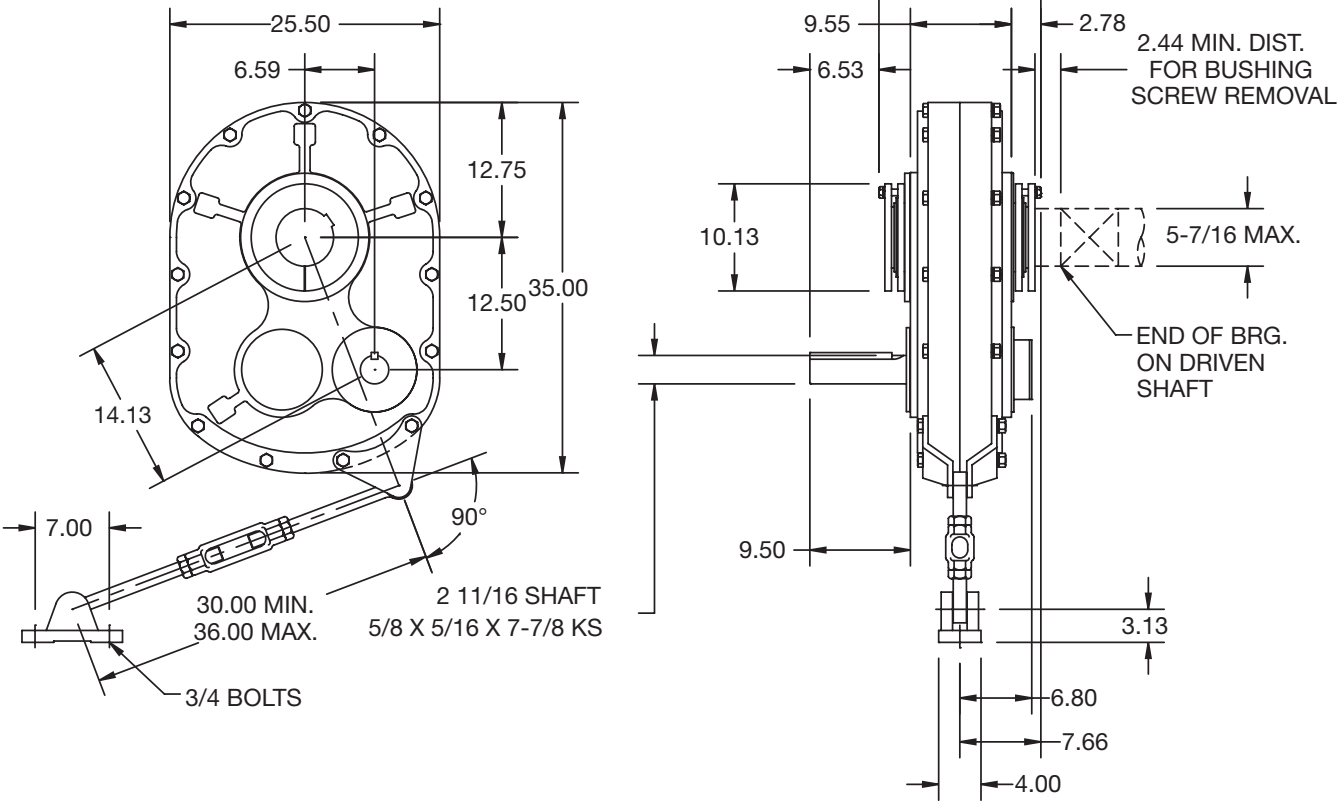
♣ Made to order
† Shaft key furnished.
▲ Check the driven shaft and key for strength.
◆ Preferred bore. No bushing required for this bore size.
❍ Stock TXT Reducers are drilled for vertical mounting.
♠ Dodge standard belt guards will not fit this motor mount.

■ See pages G3-174 and G3-175 for reducer part numbers and drill and tap dimesions for Flange Mount TXT Reducers. Now available only as special factory order.
● Taper Bushed Reducers require bushing for all bore sizes.
♥ Use with Taper Bushed Reducer only. See page G3-178 for drill and tap information required to mount to reducer.

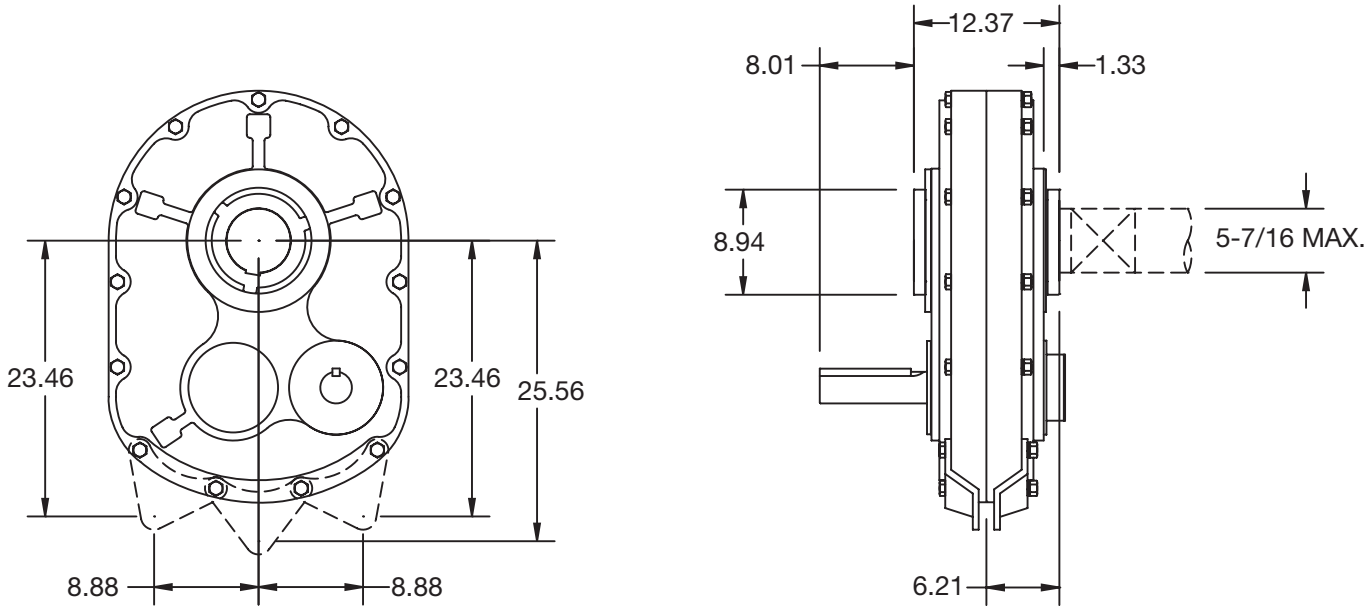
SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT10A - Double Reduction Taper Bushed



TXT10A - Double Reduction Straight Bore



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SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT10A Taper Bushed Reducers ■ ❍

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT1015AT	272600	507D15	15.16	1020
TXT1024AT	272601	507D24	24.30	1020

TXT10A Straight Bore Reducers ■ ❍

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT1015AS	272604 ♣	507D15	15.16	1020
TXT1024AS	272605 ♣	507D24	24.30	1020

Accessories for TXT10A Reducers

Description	Part Number	Weight
TA10 Standard Motor Mount (254T-365T)	250401	130
TA10 Special Motor Mount (404T-445T)	250404	150
TAB10 Bottom Motor Mount (254T-365T) ♠ ♣	250411	150
TXT10 Backstop Assembly	250260	5.60
TXT10D TA Reducer Belt Guard (254T-445T)	250395	140
TXT10 Cooling Fan Assembly	272329	15
TXT10 Taconite Auxiliary Seal Kit ♥	272454	35.80
TXT10 Lube Kit	LUBEKITTXT10	89.1

TXT10 Bushing Assemblies ●

Stock Bore Size		Part Number		Shaft Keyseat Required †		Weight	
		Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing	Tapered Bushing	Straight Bore Bushing
5-7/16	(Max.)	272240	◆	1-1/4 x 5/8 x 14-1/16	1-1/4 x 5/8 x 12-3/8	26.50	–
4-15/16	–	272239	250422	1-1/4 x 5/8 x 14-1/16	1-1/4 x 5/8 x 12-3/8	33.50	12.90
4-7/16	▲	272238	250421	1 x 1/2 x 14-1/16	1 x 1/2 x 12-3/8	38.40	31.40
3-15/16	▲	272214	250420	1 x 1/2 x 14-1/16	1 x 1/2 x 6-5/8	44	33

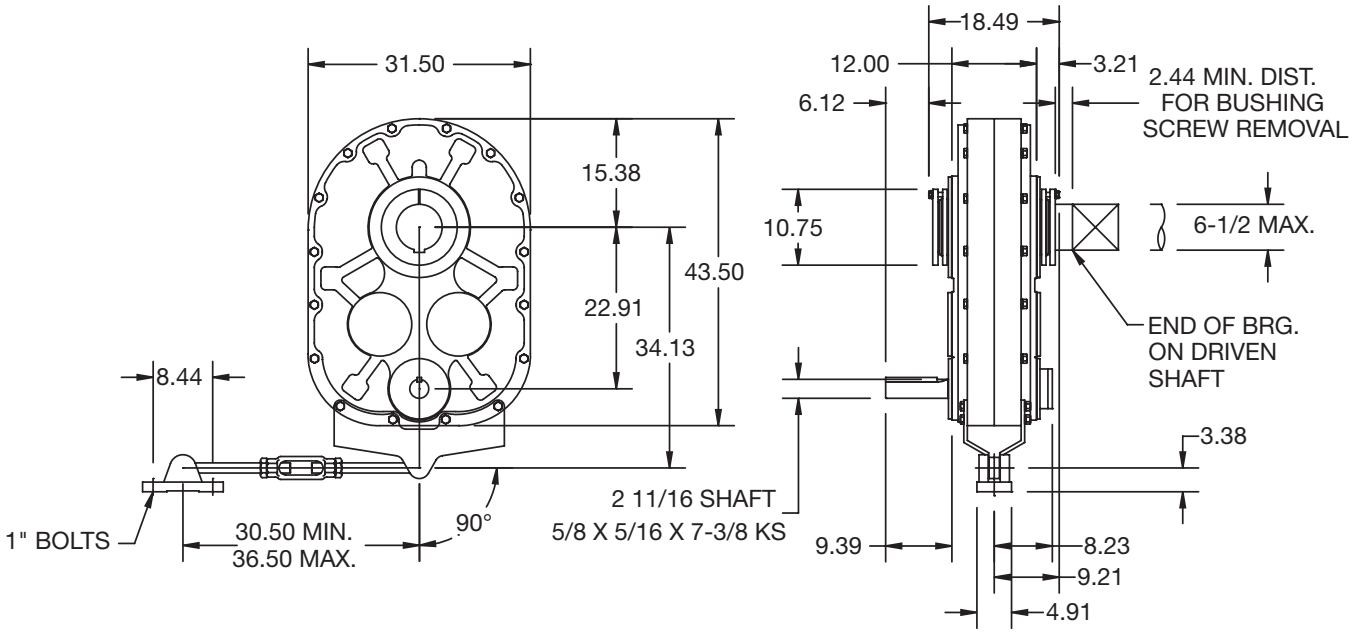
♣ Made to order
† Shaft key furnished.
▲ Check the driven shaft and key for strength.
◆ Preferred bore. No bushing required for this bore size.
❍ Stock TXT Reducers are drilled for vertical mounting.
♠ Dodge standard belt guards will not fit this motor mount.

■ See pages G3-174 and G3-175 for reducer part numbers and drill and tap dimesions for Flange Mount TXT Reducers. Now available only as special factory order.
● Taper Bushed Reducers require bushing for all bore sizes.
♥ Use with Taper Bushed Reducer only. See page G3-178 for drill and tap information required to mount to reducer.

SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TXT12 - Double Reduction Taper Bushed



TXT12 Taper Bushed Reducers ❒

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TXT1215TV	272615 ♣	608D15	14.89	2042
TXT1225TV	272617	608D25	24.65	2042

TXT12 Accessories

Description	Part Number	Weight
TA12 Standard Motor Mount (286T-445T)	272310	255
TXT12 Backstop Assembly	250260	5.6
TXT12 Cooling Fan Assembly	272330	15
Heat Exchanger Cooling Package	014148	55
TXT12 Taconite Auxiliary Seal Kit	272455	67.8
TXT12D TA Reducer Belt Guard (320T-445T) ♣	272688	170
TXT12 Lube Kit	LUBEKITTXT12	202.5

TXT12 Tapered Bushing Assemblies ●

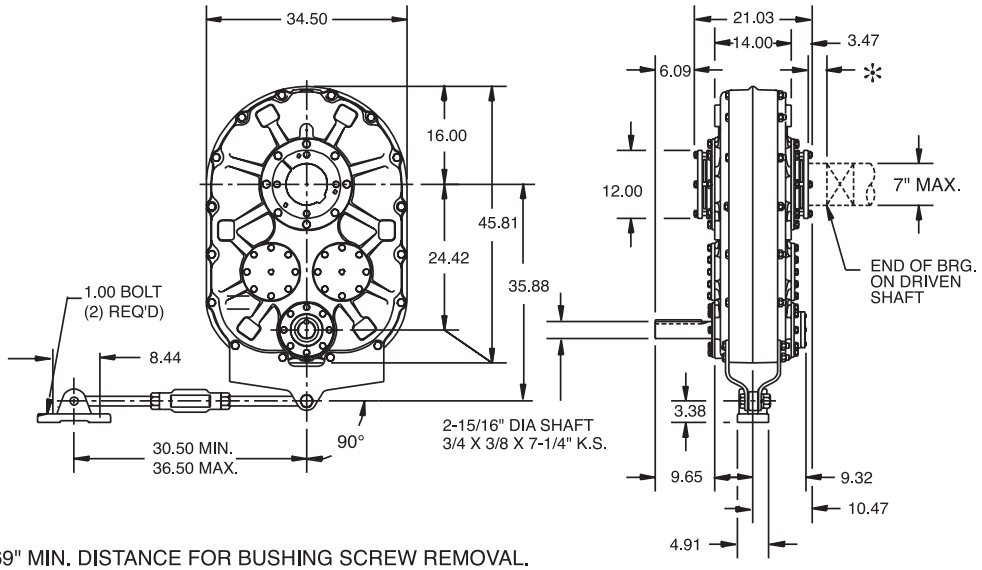
Stock Bore Size		Part Number	Shaft Keyseat Required †	Weight
6-1/2	(Max.)	272219	1-1/2 x 3/4 x 17-5/16	37.4
6-7/16	–	272218	1-1/2 x 3/4 x 17-5/16	38.4
6	–	272217	1-1/2 x 3/4 x 17-5/16	46.2
5-15/16	–	272216	1-1/2 x 3/4 x 17-5/16	47.3
5-7/16	▲	272215	1-1/4 x 5/8 x 17-5/16	53.1

♣ Made to order
† Shaft key furnished.
▲ Check the driven shaft and key for strength.
● Taper Bushed Reducers require bushing for all bore sizes.
❒ Reducers are supplied already drilled and tapped for vertical mounting and flange mounting. See page G3-175 for Flange Mounting dimensions



Torque-Arm Shaft Mount Speed Reducers

TDT13 - Double Reduction Taper Bushed



❊ 2.69" MIN. DISTANCE FOR BUSHING SCREW REMOVAL.

TDT13 Taper Bushed Reducer ❒

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TDT1325T	272250	700D25	24.73	2476

TDT13 Accessories

Description	Part Number	Weight
TA13 Standard Motor Mount (324T-447T)	272313	290
TDT13 Backstop Assembly	272259	6.70
TDT13 Cooling Fan Assembly	272331	20
Heat Exchanger Cooling Package	014148	55
TDT13 Taconite Auxiliary Seal Kit ♣	272456	87
TDT13 Lube Kit	LUBEKITTXT13	223.8

TDT13 Tapered Bushing Assemblies ●

Stock Bore Size		Part Number	Shaft Keyseat Required †	Weight
7	(Max.)	272257	1-3/4 x 3/4 x 19-9/16	74
6-1/2	▲	272292 ♣	1-1/2 x 3/4 x 19-9/16	92
6	▲	272291 ♣	1-1/2 x 3/4 x 19-9/16	111
5-15/16	▲	272290	1-1/2 x 3/4 x 19-9/16	113

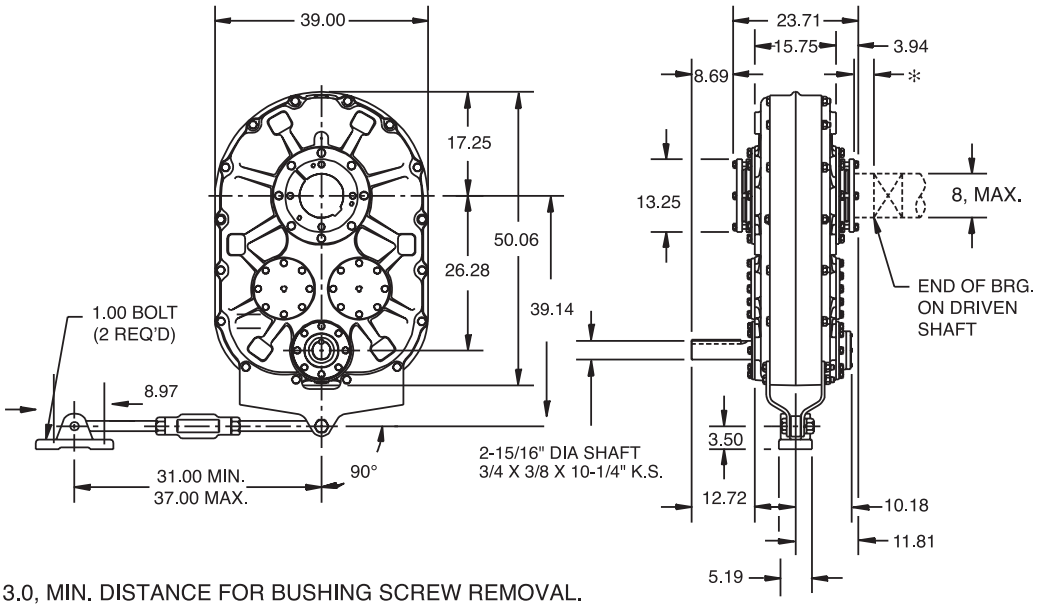
♣ Made to order
† Shaft key furnished.
▲ Check the driven shaft and key for strength.
● Taper Bushed Reducers require bushing for all bore sizes.
❒ Reducers are supplied already drilled and tapped for vertical mounting and flange mounting. See page G3-175 for Flange Mounting dimensions

FEATURES/BENEFITS PAGE G3-2	SPECIFICATION PAGE G3-9	MODIFICATION/ACCESSORIES PAGE G3-72, G3-122	RELATED PRODUCTS PAGE G3-154

SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TDT14 - Double Reduction Taper Bushed



* 3.0, MIN. DISTANCE FOR BUSHING SCREW REMOVAL.

TDT14 Taper Bushed Reducer ❒

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TDT1425T	272150 ♣	800D25	24.80	3436

TDT14 Accessories

Description	Part Number	Weight
TA14 Standard Motor Mount (324T-447T)	272318	295
TDT14 Backstop Assembly	272293	13.4
TDT14 Cooling Fan Assembly	272332	20
Heat Exchanger Cooling Package	014148	55
TDT14 Taconite Auxiliary Seal Kit ♣	272457	131
TDT14 Lube Kit	LUBEKITTXT14	307.8

TDT14 Tapered Bushing Assemblies ●

Stock Bore Size		Part Number	Shaft Keyseat Required †	Weight
8	(Max.)	272194 ♣	2 x 3/4 x 22-1/4	135
7	▲	272193 ♣	1-3/4 x 3/4 x 22-1/4	144
6-1/2	▲	272192 ♣	1-1/2 x 3/4 x 22-1/4	162.1
6	▲	272191 ♣	1-1/2 x 3/4 x 22-1/4	188

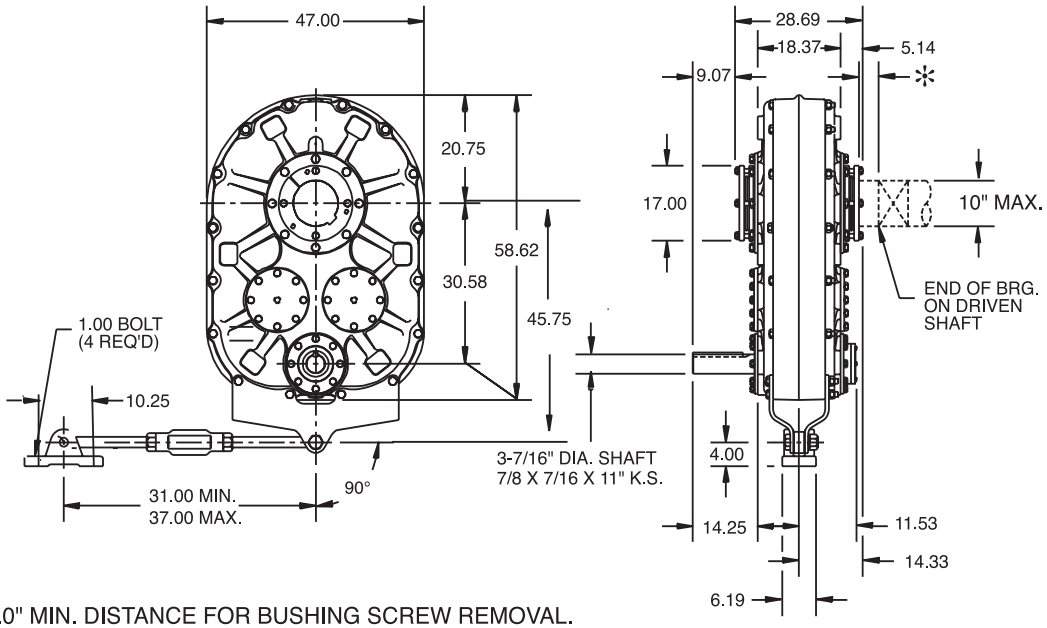
♣ Made to order
† Shaft key furnished.
▲ Check the driven shaft and key for strength.
● Taper Bushed Reducers require bushing for all bore sizes.
❒ Reducers are supplied already drilled and tapped for vertical mounting and flange mounting. See page G3-175 for Flange Mounting dimensions



SELECTION/DIMENSIONS

Torque-Arm Shaft Mount Speed Reducers

TDT15 - Double Reduction Taper Bushed



❊ 3.0" MIN. DISTANCE FOR BUSHING SCREW REMOVAL.

TDT15 Taper Bushed Reducer

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight
TDT1530T	272370 ♣	1000D30	30.64	5622

TDT15 Accessories

Description	Part Number	Weight
TA15 Standard Motor Mount (405T-449T) ♣	272392	300
TDT15 Backstop Assembly	272293	13.40
TDT15 Cooling Fan Assembly	272333	23
Heat Exchanger Cooling Package	014148	55
TDT15 Taconite Auxiliary Seal Kit ♣	272458	180
TDT15 Lube Kit	LUBEKITTXT15	575.1

TDT15 Tapered Bushing Assemblies ●

Stock Bore Size		Part Number	Shaft Keyseat Required †	Weight
10	(Max.)	272395	2-1/2 x 7/8 x 27-5/16	202
9	▲	272396	2 x 3/4 x 27-5/16	267
8-1/2	▲	272397	2 x 3/4 x 27-5/16	300
8	▲	272398 ♣	2 x 3/4 x 27-5/16	307

♣ Made to order
† Shaft key furnished.
▲ Check the driven shaft and key for strength.
● Taper Bushed Reducers require bushing for all bore sizes.
❒ Reducers are supplied already drilled and tapped for vertical mounting and flange mounting. See page G3-175 for Flange Mounting dimensions

FEATURES/BENEFITS PAGE G3-2	SPECIFICATION PAGE G3-9	MODIFICATION/ACCESSORIES PAGE G3-72, G3-122	RELATED PRODUCTS PAGE G3-154

MODIFICATIONS/ ACCESSORIES

DODGE®



Torque-Arm Shaft Mount Speed Reducers

Table 5- Dodge Torque-Arm Reducers And Accessories Compatibility

TXT Reducer	Maximum Bore	AGMA Code	Input HP @75 RPM Output 15, 25:1	Input HP @100 RPM Output 5:1	Taper Bushed	Straight Bore	Hydroil Style	Vertical Style	Motor Mount	Backstop	Taconite Auxiliary Seals	Belt Guards
TXT1	1-7/16”	107	4.15	4.49	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TXT2	1-15/16”	115	7.52	7.70	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TXT3	2-3/16”	203	12.7	11.7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TXT4	2-7/16”	207	19.3	19.6	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TXT5	2-15/16”	215	29.9	25.0	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TXT6	3-7/16”	307	50.3	51.6	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TXT7	3-15/16”	315	72.3	87.4	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TXT8	4-7/16”	407	106.9	111.0	Yes	Yes	–	Yes	Yes	Yes	Yes	Yes
TXT9	4-15/16”	415	154.7	140.0	Yes	Yes	–	Yes	Yes	Yes	Yes	Yes
TXT10	5-7/16”	507	216.0	–	Yes	Yes	–	Yes	Yes	Yes	Yes	Yes
TXT12	6-1/2”	608	275.0	–	Yes	–	–	Yes	Yes	Yes	Yes	Yes
TDT13	7”	700	374.0	–	Yes	–	–	Yes	Yes	Yes	Yes	Yes
TDT14	8”	800	561.0	–	Yes	–	–	Yes	Yes	Yes	Yes	Yes
TDT15	10”	1000	–	–	Yes	–	–	Yes	Yes	Yes	Yes	Yes

Table 6 - Dodge Screw Conveyor Drive Reducers And Accessories Compatibility

SCXT Reducer	AGMA Code	Input HP@ 75 RPM Output 15,25:1	Input HP@100 RPM Output 5:1	Hydroil Style	Drive Shafts	Adapter	Motor Mount	Taconite Auxiliary Seals	Belt Guards
SCXT1	107	4.15	4.49	Yes	Yes	Yes	Yes	Yes	Yes
SCXT2	115	7.52	7.70	Yes	Yes	Yes	Yes	Yes	Yes
SCXT3	203	12.70	11.70	Yes	Yes	Yes	Yes	Yes	Yes
SCXT4	207	19.30	19.60	Yes	Yes	Yes	Yes	Yes	Yes
SCXT5	215	29.90	25.00	Yes	Yes	Yes	Yes	Yes	Yes
SCXT6	307	50.30	51.60	Yes	Yes	Yes	Yes	Yes	Yes
SCXT7	315	72.30	87.40	Yes	Yes	Yes	Yes	Yes	Yes
SCXT8	407	106.90	111.00	–	Yes	Yes	Yes	Yes	Yes

Table 7 - NEMA Motor Information (1750 RPM)

Horsepower	NEMA Motor Frame	Shaft Diameter	Minimum Sheave Diameters
1	143T	7/8	2.2
1-1/2	145T	7/8	2.4
2	145T	7/8	2.4
3	182T	1-1/8	2.4
5	184T	1-1/8	3.0
7-1/2	213T	1-3/8	3.0
10	215T	1-3/8	3.8
15	254T	1-5/8	4.4
20	256T	1-5/8	4.4
25	284T	1-7/8	4.4
30	286T	1-7/8	5.2
40	324T	2-1/8	6.0
50	326T	2-1/8	6.8
60	364T	2-3/8	7.4
75	365T	2-3/8	8.6
100	405T	2-7/8	8.6
125	444T	3-3/8	10.5
150	445T	3-3/8	10.5
200	447T	3-3/8	13.2

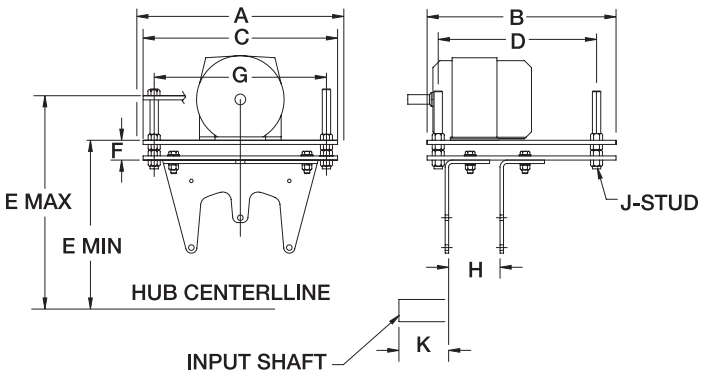
Table 8 - Minimum Sheave Diameters For Dodge Torque-Arm Reducers

TXT, SCXT Reducer	Single Reduction		Double Reduction			
	Shaft Diameter	5:1	Shaft Diameter	9:1	15:1	25:1
1	1-1/8	4.0	3/4	4.0	3.0	3.0
2	1-7/16	3.0	1-1/8	5.0	3.0	3.0
3	1-5/8	7.0	1-1/4	5.0	4.0	4.0
4	1-15/16	7.5	1-7/16	6.5	4.6	4.6
5	2-3/16	9.5	1-15/16	7.0	5.4	5.4
6	2-3/16	6.5	2-3/16	7.0	6.2	6.2
7	2-7/16	7.5	2-7/16	7.0	6.2	6.2
8	2-7/16	9.2	2-7/16	–	6.2	6.2
9	2-7/16	9.5	2-7/16	–	8.0	8.0
10	–	–	2-11/16	–	8.5	8.5
12	–	–	2-11/16	–	9.5	9.5
13	–	–	2-15/16	–	–	12.0
14	–	–	2-15/16	–	–	15.0
15	–	–	3-7/16	–	–	20.0

DODGE®



Torque-Arm Shaft Mount Speed Reducers



TA Motor Mounts

The TA Motor Mount is a rugged all steel unit which requires no drilling and no foundation. It bolts directly to the top of the Torque-Arm reducer and can be located in any position around the shaft. It permits easy belt tensioning.

Each motor mount accommodates a wide variety of NEMA motor frames - see table below.

All motor mount fasteners are supplied with zinc-plated finish as standard. Bolt hole configuration will also allow this mount to fasten to the top of a Screw Conveyor Drive reducer of equivalent size.

Torque-Arm Motor Mounts - TA1M Thru TA7M

Motor Mount No. ■	Part Number ●	Wt.	Reducer Size	NEMA Motor Frame	A	B	C	D	E ◆		G	H	J	K
									Min	Max				
TA1M	241391	37	TXT1A	56T - 215T	14.63	11.00	13.50	9.25	10.03	14.18	12.00	3.38	5/8 x 7	3.88
			TXT2A						10.59	14.75				4.18
TA3M	243391	40	TXT3B	56T - 215T	14.63	11.00	13.50	9.25	11.59	15.78	12.00	4.25	5/8 x 7	4.88
	243393 ▲	70		254T - 256T	18.63	17.00	17.50	14.25	11.59	15.78	15.50		3/4 x 8	
TA4M	244391	75	TXT4B	143T - 286T	18.63	17.00	17.50	14.25	11.96	16.73	15.50	4.63	3/4 x 8	6.13
TA5M	245391	76	TXT5C	143T - 286T	18.63	17.00	17.50	14.25	12.53	17.28	15.50	4.13	3/4 x 8	6.65
	245393 ▲ ♣			324T - 326T	20.50	18.50	19.25	16.50	12.53	17.28	17.50		3/4 x 8	
TA6M	246391	99	TXT6A	143T - 326T	20.50	18.50	19.25	16.50	14.56	19.31	17.50	4.50	3/4 x 8	7.31
TA7M	247395	110	TXT7A	143T - 365T	22.50	19.00	21.25	16.50	17.62	22.13	19.25	4.75	1 x 9	7.81

V-Belt Drive Center Distances For TA1M Thru TA7M Torque-Arm Motor Mounts

Motor Mount No.	Reducer Size	Center Distances For Various NEMA Motor Frames															
		56		140		180		210		250		280		320		360	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
TA1M	TXT1A	17.6	21.0	17.6	21.0	18.5	22.0	19.3	22.7	–	–	–	–	–	–	–	–
	TXT2A	18.7	22.1	18.7	22.1	19.7	23.1	20.5	23.9	–	–	–	–	–	–	–	–
TA3M	TXT3B	20.2	23.6	20.2	23.6	21.2	24.6	22.0	25.3	23.0	26.3	–	–	–	–	–	–
TA4M	TXT4B	–	–	21.2	25.2	22.2	26.2	23.0	26.9	23.9	27.9	24.7	28.7	–	–	–	–
TA5M	TXT5C	–	–	22.7	26.6	23.7	27.6	24.4	28.4	25.4	29.4	26.2	30.1	27.2	31.1	–	–
TA6M	TXT6A	–	–	25.9	29.7	26.9	30.7	27.6	31.4	28.6	32.4	29.4	33.2	30.4	34.2	–	–
TA7M	TXT7A	–	–	30.6	34.4	31.6	35.4	32.4	36.2	33.4	37.2	34.1	37.9	35.1	38.9	36.1	40.0

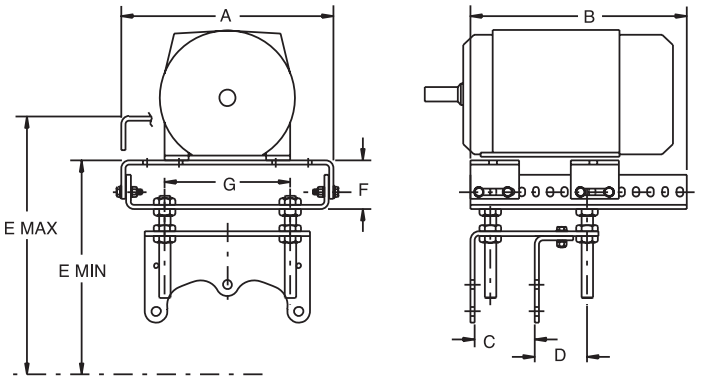
♣ Made to order
▲ Made to order belt guards required for these motor mounts. Consult Dodge.
◆ Provides for V-belt adjustment

■ Can be used with any ratio Torque-Arm Reducer (5, 9, 15, 25)
● Necessary mounting bolts are included

FEATURES/BENEFITS PAGE G3-2	SPECIFICATION PAGE G3-9	MODIFICATION/ACCESSORIES PAGE G3-72, G3-122	RELATED PRODUCTS PAGE G3-154

MODIFICATIONS/ ACCESSORIES

Torque-Arm Shaft Mount Speed Reducers





Torque-Arm Motor Mounts - TA8 Thru TA15

Motor Mount No.	Part Number ●	Wt.	Reducer Size	Nominal Ratio	NEMA Motor Frame	A	B	C	D	E ◆		F	G
										Min	Max		
TA8	248401 ■	119	TXT8A	15, 25	213T - 365T	18.63	19	5.25	4.36	19.4	23.9	4.25	11
				5	254T - 365T								
TA9	249401 ■	120	TXT9A	15, 26	213T - 365T	18.63	19	5.25	4.63	21.46	25.9	4.25	11
				5	284T - 365T								
	249399 ♣ ▲	125		15, 26	404T - 445T	25.06	24			20.21	24.71	3.81	
TA10	250401	130	TXT10A	15, 24	254T - 365T	18.63	19	6	3.88	22.6	27.09	4.25	11
	250404	200			404T - 445T	25.06	24	6	3.88	21.86	27.38	3.81	18.5
TA12	272310	255	TXT12	15, 25	286T - 445T	25.06	24	7.63	5.25	25.65	31.13	3.81	18.5
TA13	272313	290	TDT13	25	324T - 445T	25.06	24	8.75	8.63	25.65	31.13	3.81	18.5
TA14	272318	295	TDT14	25	324T - 447T	25.06	24	10	7.38	25.81	31.31	3.81	18.5
TA15	272392 ♣	320	TDT15	30	405T - 449T	25.06	24	12.63	5.75	33.5	39	3.81	18.5

V-BELT Drive Center Distances For TA8 Thru TA15 Torque-Arm Motor Mounts

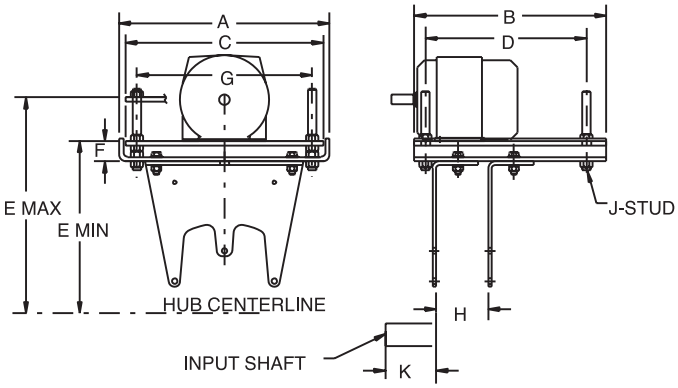
Motor Mount No.	Reducer Size	Nominal Ratio	Center Distances For Various NEMA Motor Frames													
			210		250		280		320		360		400		440	
			Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
TA8	TXT8A	15, 25	35.5	40.5	36.4	41.2	37.2	42.2	38.2	43.2	39.2	44.2	–	–	–	–
		5	–	–	37.2	41.5	37.9	42.3	38.9	43.3	39.9	44.3	–	–	–	–
TA9	TXT9A	15, 26	38.0	43.0	39.0	44.0	39.8	44.7	40.7	45.7	41.7	46.7	42.8	47.7	–	–
		5	–	–	–	–	40.5	44.8	41.5	45.8	42.5	46.8	43.5	47.8	–	–
TA10	TXT10A	15, 24	–	–	42.6	47.5	43.3	48.2	44.3	49.2	45.3	50.2	45.8	50.7	47.3	51.7
TA12	TXT12	15, 25	–	–	–	–	57.0	61.0	57.7	62.1	58.7	63.1	59.7	64.1	60.7	65.1
TA13	TDT13	25	–	–	–	–	–	–	59.7	65.1	60.7	66.1	61.7	67.1	62.0	66.7
TA14	TDT14	25	–	–	–	–	–	–	61.7	67.1	62.7	68.1	63.7	69.1	64.7	70.1
TA15	TDT15	30	–	–	–	–	–	–	–	–	–	–	75.0	80.5	76.0	81.5

♣ Made to order
▲ Made to order belt guards required for these motor mounts. Consult Dodge.
◆ Provides for V-belt adjustment
■ Can be used with any ratio Torque-Arm Reducer (5, 9, 15, 25)
● Necessary mounting bolts are included

DODGE®



Torque-Arm Shaft Mount Speed Reducers



TAML Long Motor Mounts

The TAML Motor Mount has longer support brackets, which allows for more clearance between the conveyor pulley and the bottom plate of the motor mount. (Reference table below for clearance dimensions). The motor mount is a rugged all steel unit which requires no drilling and no foundation. It bolts directly to the top of the Torque-Arm reducer and can be located in any position around the shaft. It permits easy belt tensioning and accommodates a wide variety of NEMA motor frames.

All motor mount fasteners are supplied with zinc-plated finish as standard.

Bolt hole configuration will also allow this mount to fasten to the top of a Screw Conveyor Drive Reducer of equivalent size.

Torque-Arm Long Motor Mounts - TA3ML Thru TA7ML ▲†

Motor Mount No. ■	Part Number ●	Wt.	Reducer Size	NEMA Motor Frame	A	B	C	D	E ◆		F	G	H	J	K
									Min	Max					
TA3ML	243392 ♣	42	TXT3B	56T - 215T	14.63	11.00	13.50	9.25	14.59	18.72	1.59	12.00	4.25	5/8 x 7	4.88
TA4ML	244392	78	TXT4B	143T - 286T	18.63	17.00	17.50	14.25	16.46	21.20	1.78	15.50	4.63	3/4 x 8	6.13
TA5ML	245392	80	TXT5C	143T - 286T	18.63	17.00	17.50	14.25	19.28	24.03	1.84	15.50	4.13	3/4 x 8	6.65
TA6ML	246390	102	TXT6A	143T - 326T	20.50	18.50	19.25	16.50	28.56	33.30	1.84	17.50	4.50	3/4 x 8	7.31
TA7ML	247396 ♣	115	TXT7A	143T - 326T	22.50	19.00	21.25	16.50	32.46	37.20	1.84	19.25	4.75	3/4 x 8	7.81

V-BELT Drive Center Distances For TA3ML Thru TA7ML Torque-Arm Long Motor Mounts

Motor Mount No.	Reducer Size	Center Distances For Various NEMA Motor Frames													
		56		140		180		210		250		280		320	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
TA3ML	TXT3B	23.1	26.5	23.1	26.5	24.1	27.5	24.9	28.3	–	–	–	–	–	–
TA4ML	TXT4B	–	–	25.6	30.6	26.7	30.6	27.4	31.4	28.3	32.4	29.2	33.1	–	–
TA5ML	TXT5C	–	–	29.4	33.4	30.4	34.3	31.1	35.1	32.1	36.1	32.9	36.8	–	–
TA6ML	TXT6A	–	–	–	–	40.8	44.6	41.6	45.4	42.6	46.4	43.3	47.1	44.3	48.1
TA7ML	TXT7A	–	–	–	–	47.0	50.8	47.7	51.5	48.7	52.5	49.5	53.3	50.5	54.3

Clearance Dimensions ■

Reducer	Motor Mount	Clearance Dimensions (1)
TXT1A	TA1M	7.63
TXT2A	TA1M	8.25
TXT3B	TA3M	9.25
TXT4B	TA4M	9.44
TXT5C	TA5M	10.00
TXT6A	TA6M	11.97
XT7A	TA7M	14.38

Clearance Dimensions ■

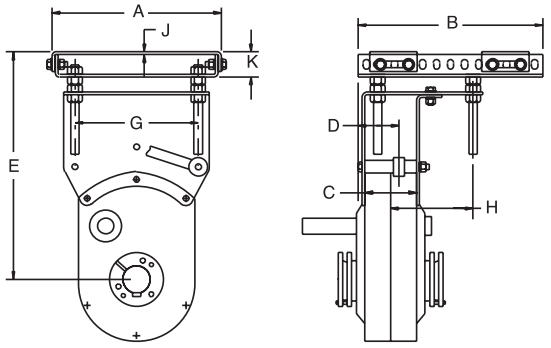
Reducer	Motor Mount	Clearance Dimensions (1)
TXT3B	TA3ML	12.25
TXT4B	TA4ML	13.94
TXT5C	TA5ML	16.75
TXT6A	TA6ML	25.96
TXT7A	TA7ML	29.88

♣ Made to order
† Consult Dodge for Long Motor Mounts for reducers TXT8A and larger.
▲ Made to order belt guards required for these motor mounts. Consult Dodge.
◆ Provides for V-belt adjustment

■ Can be used with any ratio Torque-Arm Reducer (5, 9, 15, 25)
● Necessary mounting bolts are included
(1) Distance from centerline of head shaft (reducer bore) and lowest component of motor mount hardware extending over top of conveyor

MODIFICATIONS/ ACCESSORIES

Torque-Arm Shaft Mount Speed Reducers



TAB Bottom Motor Mounts

For those applications where space constraints do not allow a Dodge Torque-Arm motor mount to be mounted from the top end of the reducer with our standard Torque-Arm motor mounts, TAB Bottom Motor Mounts are available. The TAB Motor Mount is a rugged all-steel unit which requires no drilling or foundation. It bolts directly to the bottom of a Torque-Arm reducer housing and also serves as a support member for the Torque-Arm rod assembly. Each mount accommodates a wide variety of NEMA AC motor frames. For initial belt installation, the adjusting screws can be set at a minimum position which offers adequate future V-belt adjustment.

Torque-Arm Bottom Motor Mounts - TAB 1 Thru TAB 10 ▲

Motor Mount No.	Part Number ●	Wt.	Reducer Size	Nominal Ratio	NEMA Motor Frame	A	B	C	D	E ◆		G	H	J	K
										Min	Max				
TAB1	241421 ♣	40	TXT1A	5, 9, 15, 25	56T - 215T	12-1/8	11-1/2	3-3/8	2-43/64	14-17/64	17-61/64	8	5-25/32	1/4	2-3/8
TAB2	242421 ♣	45	TXT2A	5, 9, 15, 25	56T - 215T	12-1/8	11-1/2	3-3/8	2-43/64	14-29/32	18-19/32	8	5-25/32	1/4	2-3/8
TAB3	243404 ♣	60	TXT3B	5, 9, 15, 25	143T - 286T	15-1/8	16-1/2	4-1/4	3-15/32	19-1/4	23-7/8	11	5-13/32	1/4	2-3/8
TAB4	244404 ♣	65	TXT4B	5, 9, 15, 25	143T - 145T	15-1/8	16-1/2	4-5/8	5-13/32	20-13/32	25-1/32	11	5-1/32	1/4	2-3/8
					182T - 326T				3-21/32						
TAB5	245405	70	TXT5C	5, 9, 15, 25	143T - 145T	15-1/8	16-1/2	4-1/8	5-21/64	21-15/32	26-3/32	11	5-17/32	1/4	2-3/8
					182T - 326T				3-37/64						
TAB6	246392	75	TXT6A	5, 9, 15, 25	182T - 215T	15-1/8	16-1/2	4-1/2	5-5/32	24-1/4	28-13/16	11	5-17/16	1/4	2-3/8
					254T - 326T				3-13/32						
TAB7	247404 ♣	85	TXT7A	5, 9, 15, 25	182T - 215T	15-1/8	16-1/2	4-3/4	5-1/2	27-3/4	32-1/4	11	5-1/8	1/4	2-3/8
					254T - 326T				3-3/4						
TAB8	248406 ♣	90	TXT8A	5, 15, 25	213T - 256T	15-1/8	19	5-1/4	3-5/8	33-13/32	37-25/32	11	4-5/8	3/8	4-1/4
					284T - 365T				3-7/8						
TAB9	249404 ♣	95	TXT9A	5, 15, 26	213T - 256T	18-5/8	19	5-1/4	5-5/8	34-29/32	39-9/32	11	4-5/8	3/8	4-1/4
					284T - 365T				3-7/8						
TAB10	250411 ♣	105	TXT10A	15, 24	254T - 365T	25-1/16	24	6	4-23/32	36-3/32	41-17/32	18-1/2	4-1/8	3/8	3-13/16

♣ Made to order
▲ Made to order belt guards required for these motor mounts. Consult Dodge.
◆ Provides for V-belt adjustment
● Necessary mounting bolts are included

V-BELT Drive Center Distances For Torque-Arm Bottom Motor Mounts

Motor Mount No.	Reducer Size	Nominal Ratio	Center Distances For Various NEMA Motor Frames															
			56		140		180		210		250		280		320		360	
			Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
TAB1	TXT1A	9, 15, 25	14.70	18.40	14.70	18.40	15.70	19.40	–	–	–	–	–	–	–	–	–	–
		5	14.50	18.20	14.50	18.20	16.30	19.20	17.20	19.90	–	–	–	–	–	–	–	–
TAB2	TXT2A	9, 15, 25	14.80	18.50	14.80	18.50	15.80	19.50	16.50	20.20	–	–	–	–	–	–	–	–
		5	–	–	14.60	18.20	15.60	19.20	16.30	20.00	–	–	–	–	–	–	–	–
TAB3	TXT3B	9, 15, 25	18.70	23.30	18.70	23.30	19.70	24.30	20.50	25.10	–	–	–	–	–	–	–	–
	TXT305A	5	–	–	19.50	24.10	20.20	24.80	21.20	25.80	–	–	–	–	–	–	–	–
TAB4	TXT4B	9, 15, 25	19.30	23.90	19.30	23.90	20.30	24.90	21.10	25.70	22.10	26.60	–	–	–	–	–	–
	TX405A	5	–	–	20.00	24.70	20.80	25.40	21.80	26.40	22.50	27.20	–	–	–	–	–	–
TAB5	TXT5C	9, 15, 25	–	–	19.50	24.10	20.50	25.10	21.30	25.90	22.30	26.90	23.00	27.60	–	–	–	–
	TXT505A	5	–	–	–	–	20.90	25.50	21.90	26.50	22.60	27.20	23.60	28.20	–	–	–	–
TAB6	TXT6A	9, 15, 25	–	–	21.40	25.90	22.40	26.90	23.10	27.60	24.10	28.60	24.90	29.40	25.80	30.40	–	–
		5	–	–	–	–	–	–	23.60	28.20	24.40	28.90	25.40	29.90	–	–	–	–
TAB7	TXT7A	9, 15, 25	–	–	–	–	24.50	28.90	25.20	29.70	26.20	30.60	26.90	31.40	27.90	32.40	–	–
		5	–	–	–	–	–	–	25.70	30.20	26.40	30.90	27.40	31.90	–	–	–	–
TAB8	TXT8A	15, 25	–	–	–	–	–	–	29.50	33.80	30.50	34.80	31.20	35.60	32.20	36.50	33.20	37.50
	TXT8	5	–	–	–	–	–	–	–	–	30.50	34.90	31.50	35.90	32.50	36.90	–	–
TAB9	TXT9A	15, 26	–	–	–	–	–	–	29.90	34.10	30.80	35.10	31.60	35.90	32.50	36.80	33.50	37.80
	TXT9	5	–	–	–	–	–	–	–	–	–	–	31.70	36.10	32.70	37.10	–	–
TAB10	TXT10A	15, 24	–	–	–	–	–	–	–	–	32.00	37.00	32.80	38.00	33.70	39.00	34.70	40.00

FEATURES/BENEFITS PAGE G3-2	SPECIFICATION PAGE G3-9	MODIFICATION/ACCESSORIES PAGE G3-72, G3-122	RELATED PRODUCTS PAGE G3-154

DODGE®

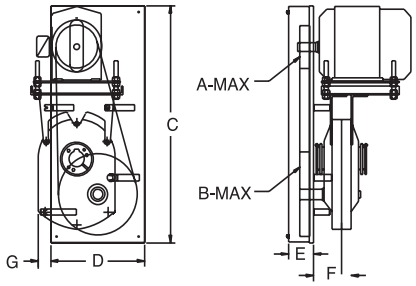


Torque-Arm Shaft Mount Speed Reducers



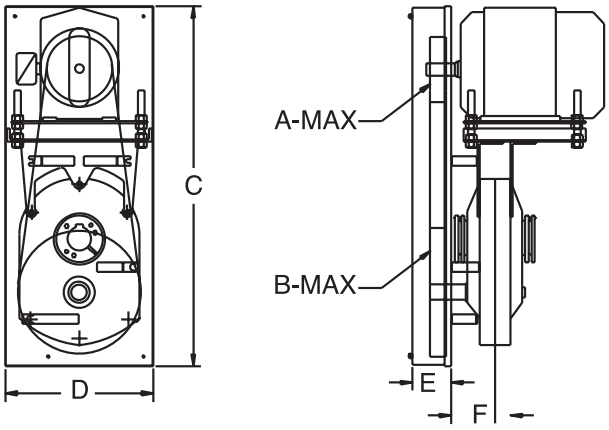
Slotted Metal Panel Belt Guard

Belt guards with mounting straps for TXT Reducers will fit standard TA motor mounts. The belt guards are designed to fit most common sheave diameters. They mount easily with no machining required.



Belt Guards For Double Reduction TXT Reducers (9, 15, 25:1) With Standard Motor Mounts ■

Reducer Size	Belt Guard Size	Part Number	Motor Mount No.	Wt.	NEMA Motor Frame	Center Distance		A	B	C	D	E	F	G
						Min	Max							
TXT1A	TXT1D	241395	TA1M	30	56T-215T	17.6	22.7	5.0	12.0	32.0	13.0	3.50	3.63	–
TXT2A	TXT2D	242395	TA1M	36	56T-215T	18.7	23.9	6.0	12.0	34.0	15.0	4.00	3.50	–
TXT3B	TXT3D	243387 ▲	TA3M	43	56T-215T	20.2	25.3	7.0	14.0	37.0	17.0	4.00	3.94	–
TXT4B	TXT4D	244395	TA4M	54	143T-286T	21.2	28.7	7.0	15.0	43.0	18.0	4.50	5.19	–
TXT5C	TXT5D	245387 ▲	TA5M	75	143T-286T	22.7	30.2	7.0	15.0	45.0	18.0	4.25	5.13	0.625
TXT6A	TXT6D	246366	TA6M	83	143T-326T	25.9	34.2	8.0	18.0	50.0	20.0	6.00	6.06	1.63
TXT7A	TXT7D	247390	TA7M	90	143T-365T	30.6	40	10.0	20.0	56.0	23.0	6.00	6.88	0.500
TXT8A	TXT8D	248395	TA8	107	213T-365T	35.4	44.2	12.0	25.0	63.0	27.0	6.50	7.46	0.156
TXT9A	TXT9D	249395 ▲	TA9	125	213T-365T	38	46.7	12.0	25.0	66.0	30.0	9.00	7.63	2.91
TXT10A	TXT10D	250395	TA10	140	254T-445T	42.5	50.8	12.0	25.0	72.5	30.0	9.00	8.25	4.31
TXT12	TXT12D	272688 ♣	TA12	170	320T-445T	58.1	66.6	15.0	30.0	91.0	34.0	9.50	8.13	–



Belt Guards For Single Reduction TXT Reducers (5:1) With Standard Motor Mounts ■

Reducer Size	Belt Guard Size	Part Number	Motor Mount No.	Wt.	NEMA Motor Frame	Center Distance		A	B	C	D	E	F
						Min	Max						
TXT105	TXT1S	241397	TA1M	30	56T-215T	17.6	22.7	5.0	12.0	32.0	13.0	3.50	3.63
TXT205	TXT2S	242397	TA1M	36	56T-215T	18.7	23.9	6.0	13.0	34.0	15.0	4.00	3.50
TXT305A	TXT3S	243389 ▲	TA3M	43	56T-215T	20.2	25.3	7.0	15.0	37.0	17.0	4.00	3.94
TXT405A	TXT4S	244397	TA4M	54	143T-286T	21.2	28.7	8.0	16.0	43.0	18.0	4.50	5.19
TXT505A	TXT5S	245389 ▲	TA5M	59	143T-286T	22.7	30.2	8.0	16.0	45.0	18.0	5.25	5.13
TXT605	TXT6S	246368	TA6M	95	143T-326T	25.9	34.2	10.0	18.0	50.0	20.0	6.00	6.06
TXT705	TXT7S	247392	TA7M	112	143T-365T	30.6	40.0	10.0	25.0	58.0	27.0	6.00	6.88
TXT805	TXT8S	248397	TA8	125	213T-365T	35.1	43.9	13.0	30.0	66.0	32.0	6.50	7.46
TXT905	TXT9S	249397 ▲	TA9	156	213T-365T	37.6	46.4	13.0	30.0	69.0	32.0	9.00	7.63

♣ Made to order

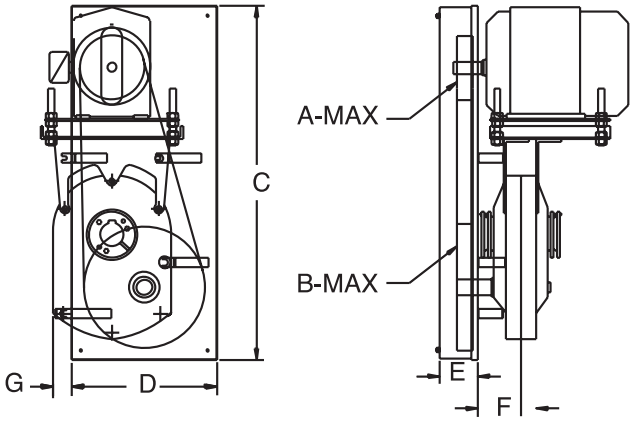
▲ These belt guards do not fit the larger frame, higher H.P. Torque-Arm motor mounts on pages G3-73 and G3-74.

■ These belt guards do not fit TAB Bottom Motor Mounts. Consult Dodge for made-to-order belt guards for use with Bottom Motor Mounts

FEATURES/BENEFITS PAGE G3-2	SPECIFICATION PAGE G3-9	MODIFICATION/ACCESSORIES PAGE G3-72, G3-122	RELATED PRODUCTS PAGE G3-154

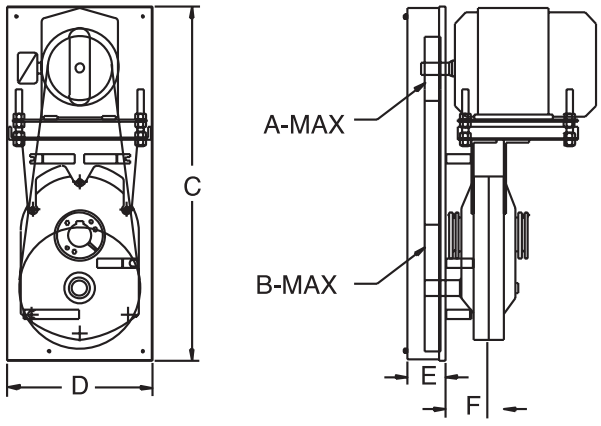
MODIFICATIONS/ ACCESSORIES

Torque-Arm Shaft Mount Speed Reducers



Belt Guards For Double Reduction TXT Reducers (9, 15, 25:1) With Long Motor Mounts

Reducer Size	Belt Guard Size	Part Number	Motor Mount No.	Wt.	NEMA Motor Frame	Center Distance		A	B	C	D	E	F	G
						Min	Max							
TXT3B	TXT3DLMM	243153 ▲ ♣	TA3ML	52	56T-215T	23.1	28.3	7	14	40	17	4	3.94	–
TXT4B	TXT4DLMM	244151 ♣	TA4ML	65	143T-286T	25.6	33.1	7	15	47.5	18	4.5	5.19	–
TXT5C	TXT5DLMM	245102 ▲ ♣	TA5ML	90	143T-286T	29.4	36.8	7	15	51.7	18	4.25	5.13	0.625
TXT6A	TXT6DLMM	246147	TA6ML	100	143T-326T	39.8	48.1	8	18	64	20	6	6.06	1.63
TXT7A	TXT7DLMM	247152 ♣	TA7ML	108	143T-365T	46	55.3	10	20	71.5	23	6	6.88	0.5



Belt Guards For Single Reduction TXT Reducers (5:1) With Long Motor Mounts

Reducer Size	Belt Guard Size	Part Number	Motor Mount No.	Wt.	NEMA Motor Frame	Center Distance		A	B	C	D	E	F
						Min	Max						
TXT305A	TXT3SLMM	243164 ▲ ♣	TA3ML	55	56T-215T	23.1	28.3	7.0	15.0	40.0	17.0	4.00	3.94
TXT405A	TXT4SLMM	244164 ♣	TA4ML	65	143T-286T	25.6	33.1	8.0	16.0	47.5	18.0	4.50	5.19
TXT505A	TXT5SLMM	245162 ▲ ♣	TA5ML	90	143T-286T	29.4	36.8	8.0	16.0	51.7	18.0	4.25	5.13
TXT605	TXT6SLMM	246132 ♣	TA6ML	100	143T-326T	39.8	48.1	10.0	18.0	64.0	20.0	6.00	6.06
TXT705	TXT7SLMM	247146 ♣	TA7ML	135	143T-365T	46.0	55.3	10.0	20.0	71.5	23.0	6.00	6.88

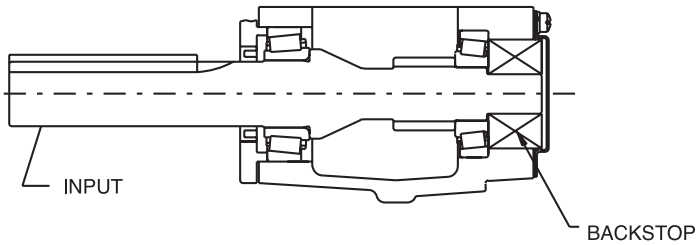
♣ Made to order

▲ These belt guards do not fit the larger frame, higher H.P. Torque-Arm motor mounts on pages G3-73 and G3-74.



Torque-Arm Shaft Mount Speed Reducers

Backstop Assemblies For Torque-Arm Reducers



Backstops are offered for service conditions that require the prevention of reverse direction. They can be quickly installed by removing cover plate and slipping the backstop over the input shaft. After cover is replaced, backstop becomes completely sealed inside the reducer case. Since the reducer lubricates the backstop, no additional lubrication is required.

When ordering backstops, specify by reducer size and ratio. Keys are included in each backstop assembly.

Warning: Backstops are not recommended for applications involving energy absorption and shock or torque loads in excess of reducer ratings or on applications such as chair lifts, amusement rides, etc., where the safety of persons or property is dependent on their function. On such applications, other safety devices should be provided. Not for use with lubricants containing EP additives.

Backstop Assemblies ■

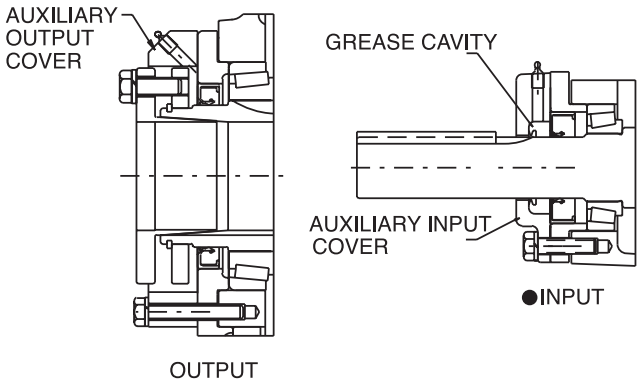
Reducer Size	Nominal Ratio	Part Number	Weight
TXT1A	5, 9, 15, 25	242101	0.6
TXT2A	5, 9, 15, 25	252101	1.0
TXT3B	9, 15, 25	243106	0.6
TXT3A	5	252101	1.0
TXT4B	9, 15, 25	244106	1.2
TXT4A	5	244148	0.9
TXT5C	9, 15, 25	245154	2.2
TXT5A	5	246101	1.8
TXT6 A	5, 9, 15, 25	246092	2.5
TXT7A	5, 9, 15, 25	247260	2.8
TXT8A	15, 25	249260	3.8
TXT8	5	250260	5.6
TXT9A	15, 26	249260	3.8
TXT9	5	272259	6.7
TXT10A	15, 24	250260	5.6
TXT12	15, 25	250260	5.6
TDT13	25	272259	6.7
TDT14	25	272293	13.4
TDT15	30	272293	13.4

■ See pages G3-184 and G3-185 for complete listing of Backstop assemblies for all generations of Dodge TXT Torque-Arm reducers.

MODIFICATIONS/ ACCESSORIES

Torque-Arm Shaft Mount Speed Reducers

Auxiliary Seal Kits For Torque-Arm Reducers



An Auxiliary Seal Kit consists of two output seals and one input seal with necessary mounting hardware. Seal rings are equipped with a standard grease fitting and a large cavity which permits grease purging of the seal in severe applications, such as taconite mining, rock processing, fertilizer processing, etc. Reducer housings, sizes 1 thru 5, must be drilled and tapped to accommodate seal. On sizes 6 and larger, the auxiliary seal bolts to the existing seal carrier, with the longer bolts supplied with the kit. A filter breather is included with each auxiliary seal kit.

Auxiliary Seal Kits ★■●

Reducer Size	Nominal Ratio	Part Number	Reducer Size	Nominal Ratio	Part Number
TXT1A	9, 15, 25	272515	TXT6A	5, 9, 15, 25	272450
TXT1	5	272521	TXT7A	5, 9, 15, 25	272451
TXT2A	9, 15, 25	272446	TXT8A	5, 15, 25	272452
TXT2	5	272459	TXT9A	5, 15, 26	272453
TXT3B	9, 15, 25	243577	TXT10A	15, 24	272454
TXT3A	5	253186	TXT12	15, 25	272455
TXT4B	9, 15, 25	244676	TDT13	25	272456
TXT4A	5	254267	TDT14	25	272457 ♣
TXT5C	9, 15, 25	245635	TDT15	30	272458 ♣
TXT5A	5	255230			

♣ Made to order
■ See page G3-177 and G3-178 for dimensions to drill and tap reducer housing for mounting of auxiliary seal kit. Dodge will install upon request.
● Input auxiliary seal can not be used on same input shaft with a cooling fan
★ For Taper Bushed reducers only



Torque-Arm Shaft Mount Speed Reducers

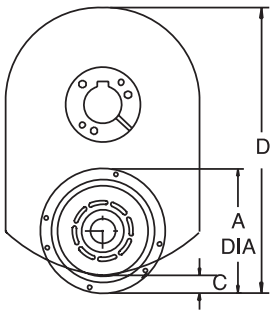
Cooling Fan Assemblies For Torque-Arm Reducers

When the thermal capacity of a Torque-Arm reducer is exceeded, cooling fans provide an optional, inexpensive way of lowering the oil temperature, thus increasing the thermal horsepower capacity of the reducer. Selection tables indicate when a cooling fan is required.

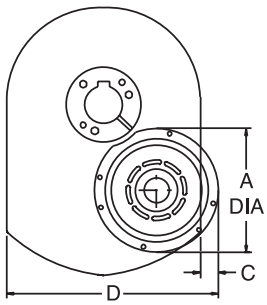
Installation is accomplished simply by attaching formed steel mounting straps to the reducer input shaft seal carrier. The fan assembly, which fastens to the input shaft, is compact enough to allow installation of the originally designed for the reducer. The fan housing is attached to the outer edges of the straps, which are spaced to allow free circulation of air at the back of the housing as well as through the front of the unit. The fan blade offers a radial streamline air flow which means smaller fans yet a more efficient movement of air.

For thermal capacities beyond the range of cooling fans, heat exchangers may be used-see below.

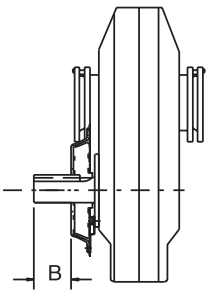
: See page G3-179 for maximum input shaft speeds



TXT305A THRU TXT905 (5:1)
TXT12 THRU TDT15 (15, 25, 30:1)



TXT3A THRU TXT10
RATIOS 9,15,25:1



Torque-Arm Reducer Cooling Fan Assemblies

Reducer Size	Cooling Fan No.	Part Number	Nominal Ratios	Wt.	A	B	C	D
TXT3B, SCXT3B	TXT3A	243581	9, 15, 25	3.0	4.88	2.13	0.15	9.38
TXT305A, SCXT305A	TXT305A	253188	5	3.0	3.94	1.88	–	–
TXT4B, SCXT4B	TDT4	272594	9, 15, 25	3.0	5.88	2.94	0.50	10.88
TXT405A, SCXT405A	TXT405A	254268	5	3.0	4.68	2.94	–	–
TXT5C, SCXT5C	TDT5	272369	9, 15, 25	3.0	7.08	3.44	–	–
TXT505A, SCXT505A	TXT505A	255231	5	3.0	5.75	3.44	–	–
TXT6A, SCXT6A	TDT6	272325	9, 15, 25	6.0	10.25	3.44	1.31	16.44
TXT605, SCXT605	TXT605	272681 ♣	5	6.0	7.08	3.42	–	–
TXT7A, SCXT7A	TDT7	272326	9, 15, 25	6.0	12.75	3.68	2.18	20.94
TXT705, SCXT705	TXT705	272685 ♣	5	6.0	9.25	3.88	–	–
TXT8A	TDT8	272327	15, 25	9.0	12.75	4.18	2.38	22.63
TXT805	TDT8	272327	5	9.0	12.75	4.25	–	–
TXT9A	TDT9	272328	15, 26	15.0	16.75	6.31	3.75	26.38
TXT905	T19	272324 ♣	5	15.0	12.75	7.44	–	–
TXT10A	TDT10	272329	15, 24	15.0	16.75	6.13	2.25	27.75
TXT12	TDT12	272330	15, 25	15.0	16.75	5.88	3.25	46.75
TDT13	TDT13	272331	25	20.0	18.50	5.68	3.94	49.75
TDT14	TDT14	272332	25	20.0	18.50	8.63	2.81	52.88
TDT15	TDT15	272333	30	23.0	18.50	9.50	2.00	60.63

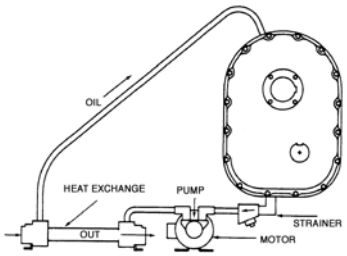
♣ Made to order

Reducer Heat Exchanger Cooling Package

For thermal capacities beyond the range of cooling fanes, an optional heat exchanger cooling package is available to prevent overheating the reducer and allow the use of full mechanical HP rating by lowering the oil temperature to an acceptable level.

Specifications for the heat exchange motor are as follows:
1/2 HP, 60 Hz, 3PH, 230/460 Volt, TEFC, 56 frame

Minimum coolant (water) flow is 3 G.P.M. based upon a maximum water temperature of 80°F. Minimum oil temperature for operation is 60°F



Part Number
273933 ♣

♣ Made to order

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