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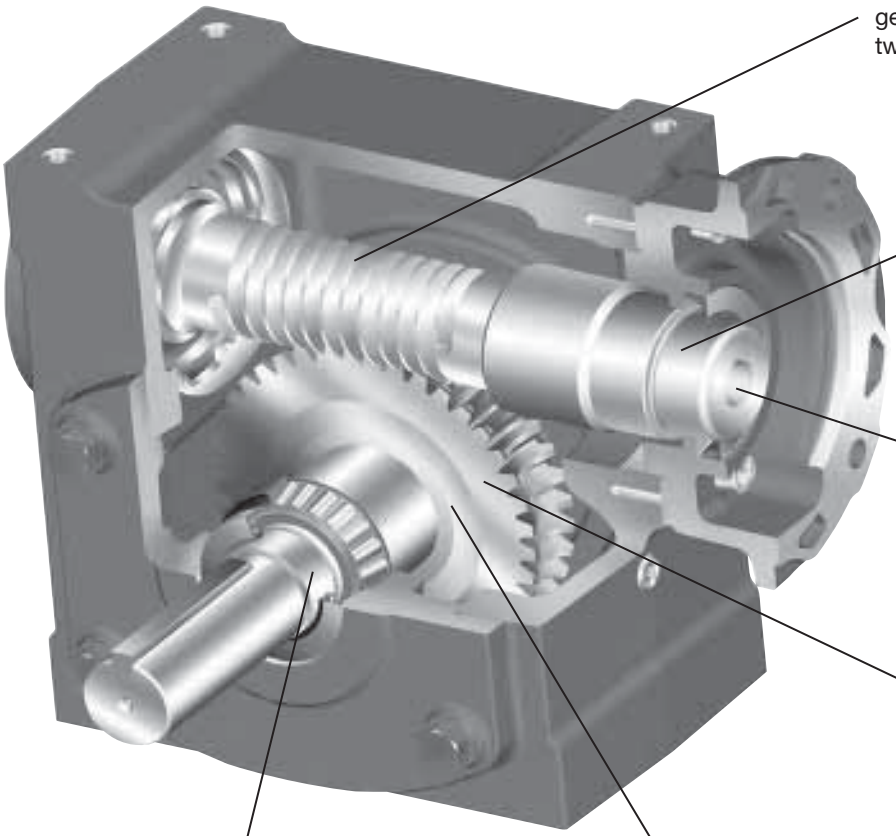
FEATURES/BENEFITS

TIGEAR-2 Speed Reducers

- 10 Case Sizes
- 1.33” to 4.75” Center Distances
- 5:1 to 60:1 Reductions
- Quill Input
- Separate Input
- 3-Piece Coupled Input
- Solid Output
- Hollow Output

On average, TIGEAR-2 delivers more torque than competitive, same-sized models. This permits downsizing and helps reduce total cost of ownership.

TIGEAR-2 reducers share the same footprint and most critical mounting dimensions with original TIGEAR and many competitive models.



Worm shaft machining process increases gear precision and accuracy by more than twice the “norm”.

Seal journals are held to exacting tolerances for diameter and surface finish (8-17 Ra). Precise plunge grinding process eliminates invisible lead and assures cool-running, long-life seals.

Unique internal design of input quill, along with a special factory-applied anti-seize compound, helps to reduce chances for fretting corrosion with motor shaft.

State-of-the-art computer modeling and optimization of multiple gear parameters in TIGEAR-2 gear geometry allow higher torque capacity, greater efficiency, and cooler operating temperatures. End result: long life and lower operating costs for user.

Bronze gear material has an extremely fine grain structure for maximum durability and minimum wear.

Generous step between diameter of output bearing journal and diameter of seal journal prevents bearing from scuffing seal journal during assembly.

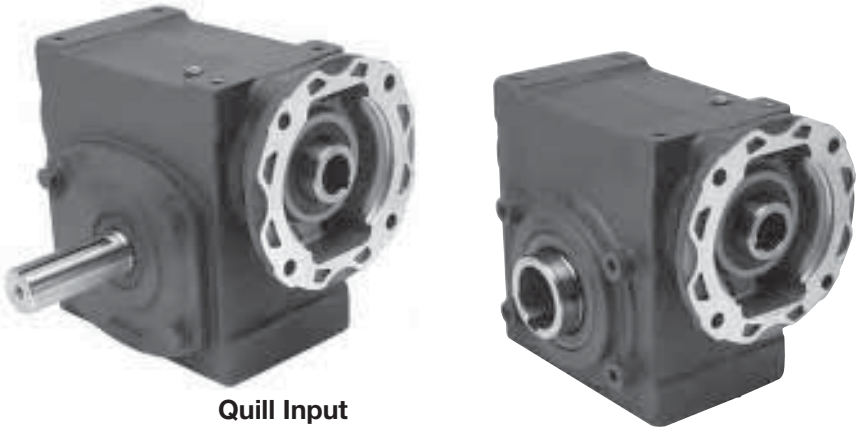
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FEATURES/BENEFITS

TIGEAR-2 Reducers

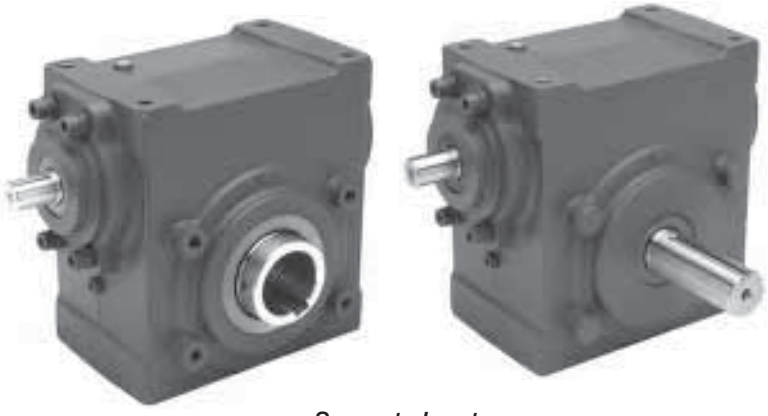
CONFIGURATION OPTIONS

The advanced design concept of the TIGEAR-2 reducer product line provides extreme flexibility for applications that require from 100 to more than 6,800 lb.-in of torque. Whether the application requires the compactness of a quill-style input, the durability of a 3-piece coupled input, or a separate keyed input shaft for belt-driven equipment, TIGEAR-2 is the answer. With four basic reducer configurations that are dimensionally interchangeable with most competitive brands and stock, and bolt-on accessories, the TIGEAR-2 reducer line is truly a complete line that is full of value.



Quill Input

Space-saving quill-style input reducers for NEMA C-face motors in both solid and hollow output designs



Separate Input

Separate style input reducers with solid or hollow output shafts are suitable for either belted or direct-coupled motor connections



3-Piece Coupled Input

Attaching a stock, 3-piece coupled motor adapter kit to a separate style reducer creates a durable drive package that facilitates easy motor removal and provides protection against shock loads and other unpredictable vibrations

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FEATURES/BENEFITS

TIGEAR-2 Reducers

TIGEAR-2 Sealing System

The totally enclosed, ventless sealing system operates effectively with no pressure vent, no compression chamber. TIGEAR-2 contains a factory-filled synthetic lubricant that actually runs cooler, as well as eliminates the need for routine oil changes. All reducers are filled with the proper amount of lubricant for any approved mounting position. Simply install it, then forget it.

Custom-Formulated HNBR Wave Seal
Hydrogenated Nitrile Butadiene Rubber (HNBR) material has been proven to be a better all-round choice for oil compatibility, wear, and temperature range. Overall, it provides up to 6 times greater wear resistance than industry standard nitrile seals.

Special Hydrodynamic Wave Seal Design
The special wave shape (molded into the seal lip) generates a better hydrodynamic film, which is required between the seal and the shaft for long life. This special wave design generates less drag, less heat, and virtually eliminates shaft grooving created by the single-point wear track, which is common with conventional trimmed lip seal designs, The sinusoidal lip of the wave seal effectively pushes external contaminants away and pumps lubricant back into the oil sump.

Special Lip Construction
Optimized lip-to-shaft contact pressures ensure maximum life, In addition, special sealing elements operate under pressure without detrimental effect on service life or sealing performance.

Factory-Filled Synthetic Lubricant
The standard synthetic lubricant used in TIGEAR-2 meets H1 food grade requirements and accommodates a wide range of operating temperatures. In extensive laboratory test, it lowered operating temperatures by 20°F over other popular synthetics. No routine scheduled oil changes are required.

GRIP TIGHT™ TAPERED Adapter Bushing System Eliminates Hop and Wobble



Locking System
The TIGEAR-2 reducer's GRIP TIGHT tapered bushing system uses concepts that have proven to be effective in the locking mechanism of the DODGE GRIP TIGHT bearing to simplify installation and removal and prevent fretting corrosion problems. There are no loose fasteners to misplace during installation, and the locking nut creates a positive means for easy removal.

Minimum Shaft Length
The system's tapered bushings allow for mounting in some of the tightest places on almost any size shaft. (Driven shafts need not protrude completely through the reducer bore.)

Bushing Options
When used in pairs, the tapered bushings can be used without output keys. Corrosion resistant options are available for severe washdown applications.

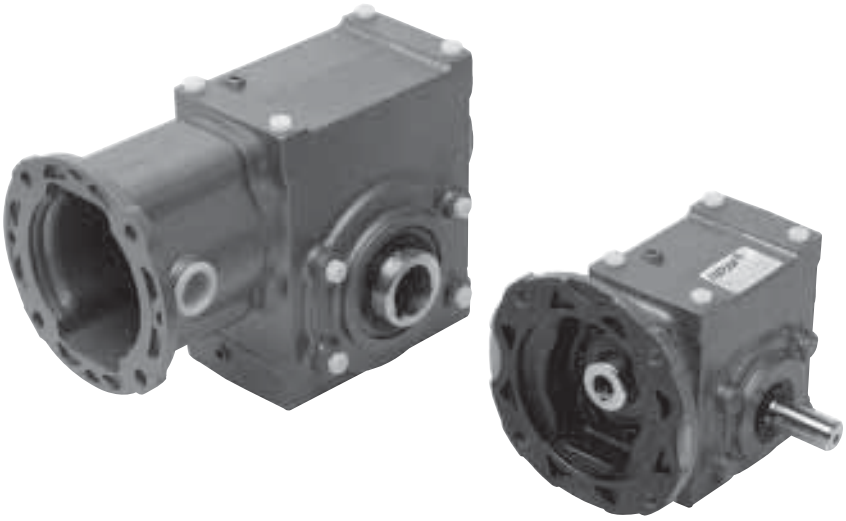
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FEATURES/BENEFITS

TIGEAR-2 Washdown Reducers

TIGEAR-2 E-Z KLEEN REDUCERS

TIGEAR-2 E-Z KLEEN reducers offer superior corrosion resistance and sealing to meet the harsh washdown applications associated with the food and beverage industry.



Standard features include:

- A 13-step coating system which provides greater than three times the corrosion resistance of standard epoxy painted units
- Stainless color top coat -- White finish also available
- Available in solid and hollow output shafts
- 300 series Stainless Steel solid and hollow output shafts and stainless hardware
- Two-piece harsh duty output seals
- Factory filled H1 food grade synthetic lubrication
- Offered in sizes 13 through 35 in Quill and 3-Piece Coupled input with solid or hollow output configurations

Availability:

- Wide selection of units available from stock
- Same day air shipment offered on most sizes if order received by Noon EST, or next business day air if order received after Noon EST

Washdown accessories include:

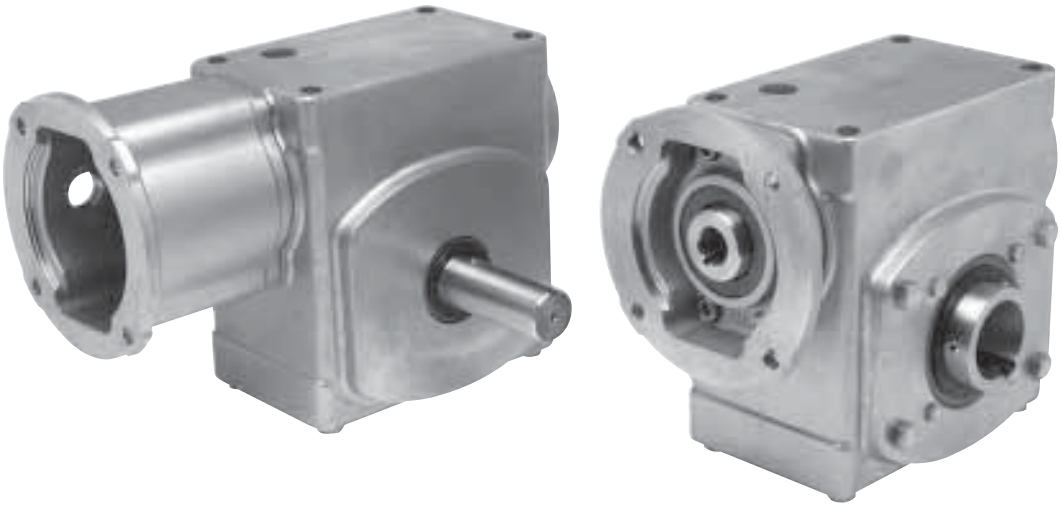
- Stainless steel Straight Bore bushings
- Stainless steel GRIP TIGHT bushings (as available)
- E-Z KLEEN bolt-on base kit
- E-Z KLEEN riser block kit
- E-Z KLEEN J-mount kit
- E-Z KLEEN output flange kit



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FEATURES/BENEFITS

TIGEAR-2 Washdown Reducers



TIGEAR-2 and DODGE ULTRA KLEEN STAINLESS STEEL REDUCERS

ULTRA KLEEN stainless steel reducers are the best choice for ultimate washdown protection or where “paint free” specification is required.

Standard features include:

- Premium 316 stainless steel housings
- Available in solid and hollow output shafts
- 300 series Stainless Steel solid and hollow output shafts and stainless hardware
- Two-piece harsh duty output seals
- Factory filled H1 food grade synthetic lubrication
- Heavy-duty mylar nameplate standard on all units
- Gasket used on input between the motor flange and motor on sizes 17, 23, 30
- O-ring used on input between the motor flange and motor on sizes 21 and 26 Input/Output Configurations:
- Quill input and solid or hollow output configurations in sizes 17, 21, 23, 26 and 30
- 3-Piece Coupled input available in sizes 17, 23, and 30

Availability:

- Wide selection of units available from stock
- Same day air shipment offered on most sizes if order received by Noon EST, or next business day air if order received after Noon EST

Washdown accessories include:

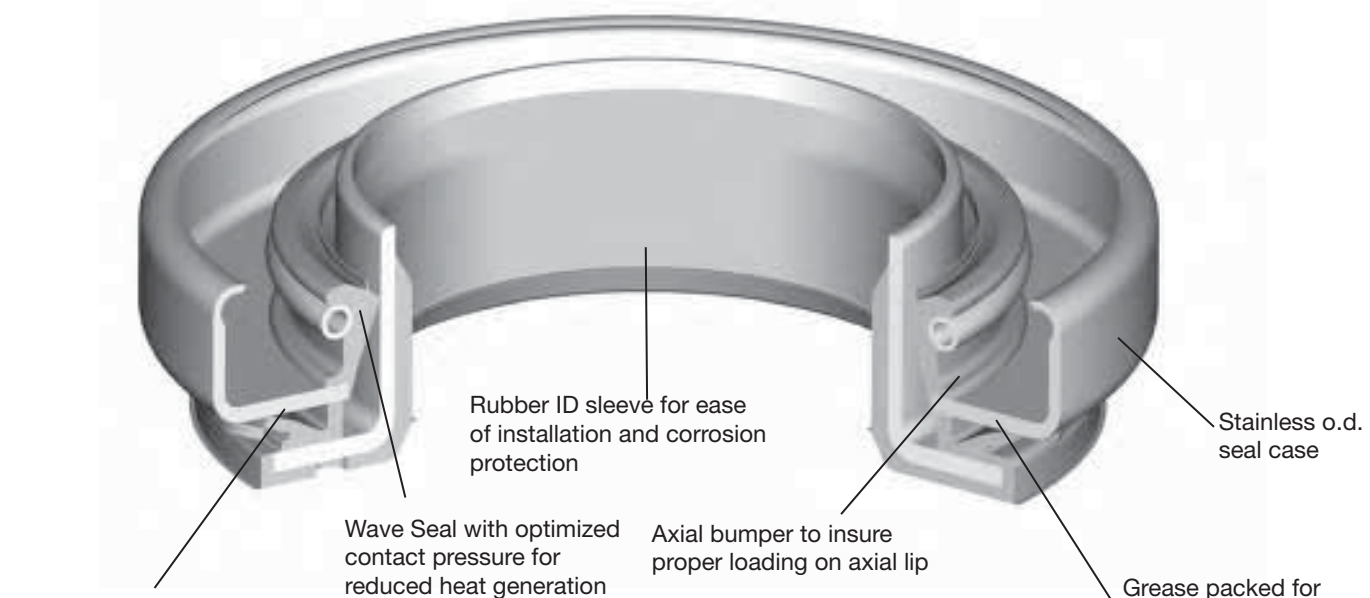
- Stainless steel straight bore bushings
- Stainless steel GRIP TIGHT bushings (as available)
- Stainless steel bolt-on base kit
- Stainless steel output flange kit

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FEATURES/BENEFITS

TIGEAR-2 Washdown Reducers

SEALING SYSTEM FOR WASHDOWN REDUCERS



TIGEAR-2 Reducers

HELICAL ATTACHMENT

A new, double NEMA 56 and 140 C-face helical gear attachment is now available for Tigear-2 reducers, providing gear ratios from 75:1 to 300:1.

The new helical attachment has a quill input coupling for quick and easy motor attachment. It easily attaches to a Tigear-2 reducer with 56C or 140TC quill or 3-piece coupled input.

- Available with NEMA 56 and 140 C-face input and output
- Available in 4:1 and 5:1 ratios
- Factory filled with food grade synthetic lubricant
- Lubed for life
- No breather
- Suitable for all mounting positions right out of the box
- Cast iron construction



With the helical attachment, customers can now take advantage of all the Tigear-2 features with available ratios up to 300:1.

For Selection And Dimensions Refer To Pages G3-110 Thru G3-112

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SPECIFICATION

General Specification - DODGE TIGEAR-2 Speed Reducers

The speed reducer shall be a single reduction worm gear reducer incorporating three input configurations - a quill style for direct attachment of electric motors, a separate keyed input shaft suitable for flexible coupling to a footed motor or belt and pulley input configuration and a motor adapter style input that employs a three piece coupling to connect electric motors to the reducer. These input configurations shall be available in both solid and hollow output shaft designs. The reducer shall be manufactured in the United States of America.

GEARING

Worm gear geometry shall be highly optimized for rating and efficiency and precision manufactured with a single enveloping design.

The gear set shall consist of a hardened steel worm shaft. The worm gear shall be a fine grain, copper-tin bronze -specially alloyed for superior durability and wear resistance. All units shall have the worm gear set properly centered during assembly to produce an optimum contact pattern.

Gear design and power transmission ratings conform to globally accepted rating standards.

CASTINGS

The gear case and bearing housing shall be manufactured from Class 30 gray iron. The optional bolt-on base, motor flange and other accessories shall be available in either cast iron, aluminum or steel.

A riser block kit, designed for mounting to the top surface, shall be available to provide a method for avoiding a mounting arrangement that would position the input shaft below the level of the output shaft.

The reducer shall be sealed with no direct passage from the oil sump to the ambient atmosphere - (a closed system). This ventless design ensures no contamination of lubricant from external environment.

LUBRICATION

The standard lubrication shall be a synthetic type that is suitable for USDA Class H1 environments. The manufacturer must state in writing that the lubrication shall require no periodic changing. Alternate synthetic lubricants made from the same base material as the standard shall be available to accommodate extreme temperature applications.

All reducers shall be factory filled by the manufacturer with the proper volume of synthetic lubricant so that the reducer can be applied in any approved mounting position without any modifications to the reducer.

BEARINGS

Output shafts shall incorporate tapered roller bearings shimmed for proper running clearances and be designed for maximizing over hung load rating.

SEALING

Oil seals shall be made of premium materials and shall operate on plunge ground seal journals having an 8-17 Ra, 65-115 Rz micro finish. Seals made using Nitrile or Fluoroelastomer materials are not acceptable.

Oil seals shall have a minimum temperature range of -40° to 300° F. (-40° to 149° C).

All sealing-joints, except fill plug, shall be o-rings. Reducers shall incorporate no silicone rubber sealant of any kind.

HARDWARE

All fasteners shall be minimum Grade 5 and have locking provisions. Motor mounting bolts and input/output keys shall be provided.

EXTERNAL CONDITIONS

When properly service factored to account for the thermal limitations of the reducer, the standard construction shall be suitable for use in ambient temperatures from -10° F to +165° F.

The thermal ratings listed on ratings pages are based on the gear unit continuously operating in an ambient temperature of 75° F. For the ambient condition above 75° F, the derating factor needs to be applied to the thermal rating, or contact DODGE Application Engineering.

When used without the optional aluminum bolt-on foot the reducer shall be BISSC certified.

Washdown operating environments shall be addressed with a special coated gear case incorporating stainless steel hardware and stainless steel output shaft

Severe washdown operating environments shall be addressed with a stainless steel gear case incorporating stainless steel hardware and stainless steel output shaft.

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HOW TO ORDER / NOMENCLATURE

HOW TO ORDER TIGEAR-2 Reducers

All TIGEAR-2 reducers and accessories have a part number. Reducer part numbers are found in the ratings/dimensions tables and accessories are listed in the modification/ accessories section. When placing an order specify the reducer part number and part number(s) of selected accessories.

Part Number Example:

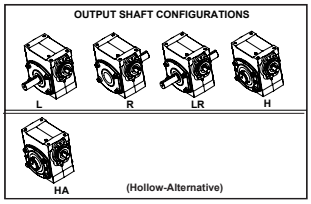
30Q15L14 Size-30, Quill input, 15:1 ratio, left hand output, 140TC input

30BASE Size-30 Bolt-on base kit

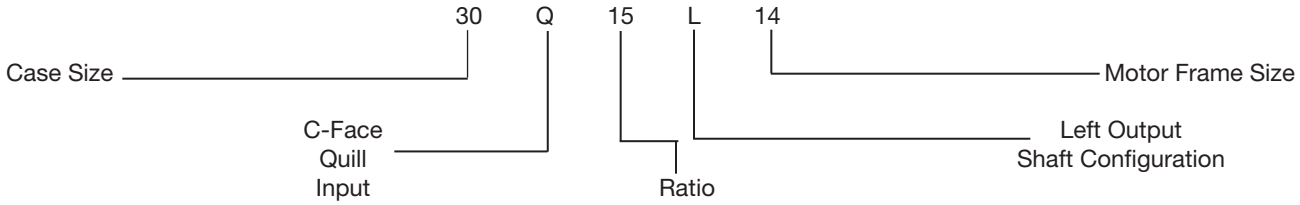
REDUCER NOMENCLATURE AND PART NUMBER

Size	Input Style	Washdown Option	Ratio	Output	Motor Frame
13 = 1.33 c.d.	Q Quill	Z E-Z KLEEN	05	L	56 = 56C
15 = 1.50 c.d.	S Separate	S ULTRA KLEEN	07	R	14 = 140TC
17 = 1.75 c.d	A 3-Piece Coupled		10	LR	18 = 180TC
20 = 2.00 c.d			12	H	21 = 210TC
21* = 2.06 c.d			15	HA	25 = 250TC
23 = 2.31 c.d			18		
26 = 2.62 c.d			20		
30 = 3.00 c.d			25		
35 = 3.50 c.d			30		
40 = 4.00 c.d			40		
47 = 4.75 c.d			50		
			60		

* ULTRA KLEEN only



EXAMPLE



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SELECTION PROCEDURES

TIGEAR-2 Reducers

Selection Using Rating Tables

Because the efficiency of worm gear speed reducers varies from approximately 60 to 95%, it is important to consider the horsepower/torque conditions at both input and output in a given application. In a situation where motor horsepower is known (e.g., competitive interchange or when a particular motor is available), selection can be done based on input ratings. Where a gearbox is being selected by a designer who knows driven equipment loads, the reducer is selected from the output torque capacity.

NOTE: Although many customers successfully use quill style reducers for the application listed below, we strongly recommend using 3-piece coupled reducers. This will minimize any unusual noise conditions or aggravated wear in the input quill, which makes motor removal difficult.

- Use of single phase motors
- Frequent starts and stops, more than 10 per hour
- Brakemotor applications
- Variable speed motors
- Clutch/Brake units always require 3-piece coupled reducers

Prime Mover	Duration of Service Per Day	Driven Machine Load Classification		
		Uniform	Medium Shock	Heavy Shock
Electric Motor	Occasional 1/2 hour	Note (1)	Note (1)	1
	Less than 3 hours	1.00	1.00	1.25
	3 - 10 hours	1.00	1.25	1.50
	Over 10 hours	1.25	1.50	1.75
Electric Motor With Up To 10 Starts And Stops Per Hour	Occasional 1/2 hour	Note (1)	1.00	1.25
	Less than 3 hours	1.00	1.25	1.50
	3 - 10 hours	1.25	1.50	1.75
	Over 10 hours	1.50	1.75	2.00

NOTE (1) - Unspecified service factors should be 1.00 or as agreed upon by user and manufacturer.

NOTE (2) - Frequent Start and Stop applications, more than 10 Starts and Stops per hour, require special consideration in selecting a service factor. Contact DODGE Application Engineering for proper selection of TIGEAR-2 Reducers. The brake torque should be limited to two times the normal operating Motor torque.

Overhung Load

To determine overhung load, divide the torque required by the pitch radius of the sprocket, sheave, etc. and multiply by the appropriate factor as follows:

Chain drive	1.00
Synchronous Belt Drive	1.30
Spur or Helical Gear	1.25
V-Belt	1.50
Flat Belt	2.50

The calculated overhung load must not exceed the output overhung load rating.

For loads acting at more than one shaft diameter from the seal face use the following conversion factors:

Distance in Shaft Diameters from Output Seal Face	Multiply Overhung Load Capacity by this Factor
1D	1.00
2D	0.62
3D	0.42
4D	0.32
5D	0.26

Thermal Rating	
Ambient Temp, degree F	Derating Factor
75	1.00
90	.87
100	.79
110	.71
120	.62

The thermal ratings listed on selection pages are based on the gear unit continuously operating in an ambient temperature of 75° F. For the ambient condition above 75° F, the derating factor needs to be applied to the thermal rating, or contact DODGE Application Engineering.

CAUTION: Always refer to the Installation, Operation & Maintenance Manual before operating the reducer

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TIGEAR-2 Reducers

Horsepower Method Of Selection

Step 1: **Determine Service Factor** Referring to the reducer service factor table, determine the appropriate service factor.

Step 2: **Determine Equivalent Horsepower** Multiply the motor horsepower by the service factor obtained in Step 1.

Step 3: **Calculate Required Ratio** Divide the motor shaft rpm by the reducer output shaft rpm.

Step 4: **Determine Unit Size** Refer to the rating tables and read across from ratio row and down from motor rpm column to select a unit whose mechanical input horsepower rating meets or exceeds the equivalent horsepower.

Step 5 **Check Thermal Rating** Compare the thermal input horsepower rating of the reducer selected to the motor horsepower. Thermal rating should always equal or exceed applied motor horsepower. For continuous duty operation in ambient temperature above 75°F derate the thermal rating per table on page G4-8 or contact DODGE Engineering.
Contact DODGE Engineering for use with non-ventilated motors.

Torque Method Of Selection

Step 1: **Determine Service Factor** Referring to the reducer service factor table, determine the appropriate service factor.

Step 2: **Determine Equivalent Torque** Multiply the torque required to drive the load at the output of the reducer by the service factor obtained in Step 1. (If drive components, e.g, chain or belt drives are used between reducer and driven equipment be sure to account for them when calculating output torque at the reducer).

Step 3: **Calculate Required Ratio** Divide the motor shaft rpm by the reducer output shaft rpm.

Step 4: **Determine Unit Size** Refer to the rating tables and read across from ratio row and down from motor rpm column to select a unit whose mechanical output torque rating meets or exceeds the equivalent torque.

Step 5: **Determine Required Motor Horsepower** First, calculate the output horsepower using the following equation where output torque is the torque required to drive the load at the output of the reducer.

$$\text{Output HP} = \frac{\text{Output Speed x Output Torque}}{63025}$$

Then calculate the required motor horsepower using the following equation to account for reducer efficiency:

$$\text{Required Motor Horsepower} = \frac{\text{Output Hp x Rated Input Hp of Reducer}}{\text{Rated Output HP of Reducer}}$$

Step 6: **Select Motor Hp** From available motors, select a horsepower that is equal to or greater than the value from Step 5: When the nearest motor horsepower is greater, check service factor at input by dividing rated input of reducer horsepower by actual motor horsepower. If the service factor is less than the value from Step 1, a larger reducer may be required.

Step 7: **Check Thermal Rating** Compare the thermal input horsepower rating of the reducer selected to the motor horsepower. Thermal rating should always equal or exceed applied motor horsepower. For continuous duty operation in ambient temperatures above 75°F contact DODGE Engineering.
Contact DODGE Engineering for use with non-ventilated motors.

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SELECTION TABLES BY HORSE-POWER AND SERVICE FACTOR

DODGE®

TIGEAR-2 Selection Table

1.00 Reducer Service Factor

1750 RPM Input

Output Rpm	Ratio		Motor Horsepower												
			0.25	0.33	0.50	0.75	1.00	1.50	2.00	3.00	5.00	7.50	10.00	15.00	20.00
350	5	SIZE	13	13	13	13	13	15	17	20	23	30	30	35	40
		Torque	42	55	83	125	166	250	332	502	840	1279	1706	2563	3408
		OHL	650	650	650	650	650	710	1050	1380	1330	1330	1330	2120	2860
233	7.5	SIZE	13	13	13	13	13	17	17	23	26	30	35	40	47
		Torque	60	79	120	180	240	364	485	736	1231	1863	2495	3727	4969
		OHL	650	650	650	650	650	1190	1190	1520	1520	1540	2430	3280	5600
175	10	SIZE	13	13	13	13	15	17	20	23	30	35	35	47	
		Torque	80	105	160	240	321	480	644	972	1650	2498	3331	4973	
		OHL	650	650	650	650	710	1190	1560	1610	1720	2700	2700	5600	
117	15	SIZE	13	13	13	15	17	20	23	26	30	40	40		
		Torque	114	150	227	343	459	701	935	1417	2391	3599	4799		
		OHL	650	650	650	710	1190	1560	1610	1610	2300	4190	4190		
88	20	SIZE	13	13	13	17	17	23	23	30	35	40	47		
		Torque	143	189	286	438	583	898	1198	1845	3125	4665	6156		
		OHL	650	650	650	1190	1190	1610	1610	2300	2760	4300	5600		
70	25	SIZE	13	13	15	17	20	23	26	30	40	47			
		Torque	169	223	341	517	707	1074	1485	2245	3719	5489			
		OHL	650	650	710	1190	1560	1610	1610	2300	4300	5600			
58	30	SIZE	13	13	15	17	23	26	26	35	40				
		Torque	200	264	404	607	847	1312	1750	2662	4365				
		OHL	650	650	710	1190	1610	1610	1610	2760	4300				
44	40	SIZE	13	15	17	20	23	26	30	35	47				
		Torque	249	333	520	793	1071	1630	2224	3361	5350				
		OHL	650	710	1190	1560	1610	1610	2300	2760	5600				
35	50	SIZE	13	15	17	23	26	30	35	40					
		Torque	289	388	600	929	1262	1940	2637	3767					
		OHL	650	710	1190	1610	1610	2300	2760	4300					
29	60	SIZE	15	17	20	23	26	30	35	40					
		Torque	329	442	691	1037	1432	2179	2923	4234					
		OHL	710	1190	1560	1610	1610	2300	2760	4300					

Torque = Actual output torque in lb. - in

OHL - Maximum OHL capacity in lbs

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SELECTION TABLES BY HORSE-POWER AND SERVICE FACTOR

DODGE®

TIGEAR-2 Selection Table

1.25 Reducer Service Factor

1750 RPM Input

Output Rpm	Ratio		Motor Horsepower												
			0.25	0.33	0.50	0.75	1.00	1.50	2.00	3.00	5.00	7.50	10.00	15.00	20.00
350	5	SIZE	13	13	13	13	13	17	17	23	26	30	35	40	47
		Torque	42	55	83	125	166	249	332	504	846	1279	1709	2556	3397
		OHL	520	520	520	520	520	840	840	1064	1064	1064	1696	2288	4080
233	7.5	SIZE	13	13	13	13	15	17	20	23	30	35	40	47	
		Torque	60	79	120	180	241	364	489	736	1242	1871	2485	3727	
		OHL	520	520	520	520	568	952	1248	1216	1232	1944	2624	4480	
175	10	SIZE	13	13	13	15	17	20	23	26	30	35	40	47	
		Torque	80	105	160	241	320	483	648	979	1650	2498	3315	4973	
		OHL	520	520	520	568	952	1248	1288	1288	1376	2160	2912	4480	
117	15	SIZE	13	13	13	17	17	23	23	30	35	40	47		
		Torque	114	150	227	345	459	701	935	1434	2418	3599	4796		
		OHL	520	520	520	952	952	1288	1288	1840	2208	3352	4480		
88	20	SIZE	13	13	15	17	20	23	26	30	40	47			
		Torque	143	189	292	438	596	898	1236	1845	3110	4617			
		OHL	520	520	568	952	1248	1288	1288	1840	3440	4480			
70	25	SIZE	13	13	17	20	23	26	30	35	40				
		Torque	169	223	345	530	716	1114	1497	2279	3719				
		OHL	520	520	952	1248	1288	1288	1840	2208	3440				
58	30	SIZE	13	150	17	20	23	26	30	35	47				
		Torque	200	267	404	625	847	1312	1766	2662	4308				
		OHL	520	568	952	1248	1288	1288	1840	2208	4480				
44	40	SIZE	13	150	20	23	26	30	35	40					
		Torque	249	333	529	803	1087	1668	2241	3253					
		OHL	520	568	1248	1288	1288	1840	2208	3440					
35	50	SIZE	150	17	20	23	26	35	35	47					
		Torque	294	396	617	929	1262	1978	2637	3705					
		OHL	568	952	1248	1288	1288	2208	2208	4480					
29	60	SIZE	17	17	23	26	30	35	40	47					
		Torque	335	442	692	1074	1453	2192	2822	4143					
		OHL	952	952	1288	1288	1840	2208	3440	4480					

Torque = Actual output torque in lb. - in

OHL - Maximum OHL capacity in lbs

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SELECTION TABLES BY HORSE-POWER AND SERVICE FACTOR

DODGE®

TIGEAR-2 Selection Table

1.50 Reducer Service Factor

1750 RPM Input

Output Rpm	Ratio		Motor Horsepower												
			0.25	0.33	0.50	0.75	1.00	1.50	2.00	3.00	5.00	7.50	10.00	15.00	20.00
350	5	SIZE	13	13	13	13	15	17	20	23	30	35	35	47	
		Torque	42	55	83	125	167	249	335	504	853	1281	1709	2548	
		OHL	433	433	433	433	473	700	700	887	887	1413	1413	3400	
233	7.5	SIZE	13	13	13	15	17	20	23	26	30	35	40	47	
		Torque	60	79	120	181	243	367	491	739	1242	1871	2485	3727	
		OHL	433	433	433	473	793	1040	1013	1013	1027	1620	2187	3733	
175	10	SIZE	13	13	13	15	17	20	23	26	35	40	47		
		Torque	80	105	160	241	320	483	648	979	1666	2486	3315		
		OHL	433	433	433	473	793	1040	1073	1073	1800	2427	3733		
117	15	SIZE	13	13	15	17	20	23	26	30	40	47			
		Torque	114	150	228	345	467	701	944	1434	2400	3597			
		OHL	433	433	473	793	1040	1073	1073	1533	2793	3733			
88	20	SIZE	13	13	17	20	23	26	30	35	40				
		Torque	143	189	292	447	599	927	1230	1875	3110				
		OHL	433	433	793	1040	1073	1073	1533	1840	2867				
70	25	SIZE	13	15	17	23	23	26	30	35	47				
		Torque	169	225	345	537	716	1114	1497	2279	3659				
		OHL	433	473	793	1073	1073	1073	1533	1840	3733				
58	30	SIZE	13	15	17	23	26	30	35	40	47				
		Torque	200	267	404	635	875	1324	1775	2619	4308				
		OHL	433	473	793	1073	1073	1533	1840	2867	3733				
44	40	SIZE	15	17	20	26	26	35	35	47					
		Torque	252	343	529	815	1087	1680	2241	3210					
		OHL	473	793	1040	1073	1073	1840	1840	3733					
35	50	SIZE	17	17	23	26	30	35	40	47					
		Torque	300	396	619	947	1293	1978	2511	3705					
		OHL	793	793	1073	1073	1533	1840	2867	3733					
29	60	SIZE	17	20	23	30	30	40	40						
		Torque	335	456	692	1090	1453	2117	2822						
		OHL	793	1040	1073	1533	1533	2867	2867						

Torque = Actual output torque in lb. - in
OHL - Maximum OHL capacity in lbs

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SELECTION TABLES BY HORSE-POWER AND SERVICE FACTOR

DODGE®

TIGEAR-2 Selection Table

2.00 Reducer Service Factor

1750 RPM Input

Output Rpm	Ratio		Motor Horsepower												
			0.25	0.33	0.50	0.75	1.00	1.50	2.00	3.00	5.00	7.50	10.00	15.00	20.00
350	5	SIZE	13	13	13	15	17	20	23	26	30	35	40		
		Torque	42	55	83	125	166	251	336	508	853	1281	1704		
		OHL	325	325	325	355	525	690	665	665	665	1060	1430		
233	7.5	SIZE	13	13	13	17	17	23	23	30	35	40	47		
		Torque	60	79	120	182	243	368	491	745	1248	1863	2485		
		OHL	325	325	325	595	595	760	760	770	1215	1640	2800		
175	10	SIZE	13	13	15	17	20	23	26	30	35	47			
		Torque	80	105	160	240	322	486	653	990	1666	2487			
		OHL	325	325	355	595	780	805	805	860	1350	2800			
117	15	SIZE	13	15	17	20	23	26	30	35	40				
		Torque	114	151	230	350	468	708	956	1451	2400				
		OHL	325	355	595	780	805	805	1150	1380	2095				
88	20	SIZE	13	15	17	23	23	30	35	40	47				
		Torque	143	193	292	449	599	922	1250	1866	3078				
		OHL	325	355	595	805	805	1150	1380	2150	2800				
70	25	SIZE	15	17	20	23	26	30	35	40					
		Torque	170	227	354	537	743	1122	1519	2231					
		OHL	355	595	780	805	805	1150	1380	2150					
58	30	SIZE	150	17	23	26	26	35	35	47					
		Torque	202	267	424	656	875	1331	1775	2585					
		OHL	355	595	805	805	805	1380	1380	2800					
44	40	SIZE	17	20	23	26	30	35	40	47					
		Torque	260	349	536	815	1112	1680	2168	3210					
		OHL	595	780	805	805	1150	1380	2150	2800					
35	50	SIZE	17	23	26	30	35	40	47						
		Torque	300	409	631	970	1318	1884	2470						
		OHL	595	805	805	1150	1380	2150	2800						
29	60	SIZE	20	23	26	30	35	40	47						
		Torque	345	456	716	1090	1462	2117	2762						
		OHL	780	805	805	1150	1380	2150	2800						

Torque = Actual output torque in lb. - in

OHL - Maximum OHL capacity in lbs

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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With Quill Input - Size 13

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Shaft Position
5	350	Mechanical Input Hp	1.32	**13Q05L56**	L
		Thermal Input Hp	2.94	**13Q05R56**	R
		Output Torque (lb in.)	219	**13Q05LR56**	LR
		Mechanical Output Hp	1.22	**13Q05H56**	HOLLOW
		Output OHL (lbs.)	650		
7.5	233	Mechanical Input Hp	1.04	**13Q07L56**	L
		Thermal Input Hp	2.27	**13Q07R56**	R
		Output Torque (lb in.)	251	**13Q07LR56**	LR
		Mechanical Output Hp	0.94	**13Q07H56**	HOLLOW
		Output OHL (lbs.)	650		
10	175	Mechanical Input Hp	0.85	**13Q10L56**	L
		Thermal Input Hp	1.96	**13Q10R56**	R
		Output Torque (lb in.)	270	**13Q10LR56**	LR
		Mechanical Output Hp	0.75	**13Q10H56**	HOLLOW
		Output OHL (lbs.)	650		
15	117	Mechanical Input Hp	0.64	**13Q15L56**	L
		Thermal Input Hp	1.38	**13Q15R56**	R
		Output Torque (lb in.)	293	**13Q15LR56**	LR
		Mechanical Output Hp	0.54	**13Q15H56**	HOLLOW
		Output OHL (lbs.)	650		
20	88	Mechanical Input Hp	0.53	**13Q20L56**	L
		Thermal Input Hp	1.06	**13Q20R56**	R
		Output Torque (lb in.)	304	**13Q20LR56**	LR
		Mechanical Output Hp	0.42	**13Q20H56**	HOLLOW
		Output OHL (lbs.)	650		
25	70	Mechanical Input Hp	0.46	**13Q25L56**	L
		Thermal Input Hp	0.86	**13Q25R56**	R
		Output Torque (lb in.)	311	**13Q25LR56**	LR
		Mechanical Output Hp	0.35	**13Q25H56**	HOLLOW
		Output OHL (lbs.)	650		
30	58	Mechanical Input Hp	0.39	**13Q30L56**	L
		Thermal Input Hp	0.85	**13Q30R56**	R
		Output Torque (lb in.)	314	**13Q30LR56**	LR
		Mechanical Output Hp	0.29	**13Q30H56**	HOLLOW
		Output OHL (lbs.)	650		
40	44	Mechanical Input Hp	0.32	**13Q40L56**	L
		Thermal Input Hp	0.7	**13Q40R56**	R
		Output Torque (lb in.)	319	**13Q40LR56**	LR
		Mechanical Output Hp	0.22	**13Q40H56**	HOLLOW
		Output OHL (lbs.)	650		
50	35	Mechanical Input Hp	0.27	**13Q50L56**	L
		Thermal Input Hp	0.61	**13Q50R56**	R
		Output Torque (lb in.)	313	**13Q50LR56**	LR
		Mechanical Output Hp	0.17	**13Q50H56**	HOLLOW
		Output OHL (lbs.)	650		
60	29	Mechanical Input Hp	0.23	**13Q60L56**	L
		Thermal Input Hp	0.54	**13Q60R56**	R
		Output Torque (lb in.)	298	**13Q60LR56**	LR
		Mechanical Output Hp	0.14	**13Q60H56**	HOLLOW
		Output OHL (lbs.)	650		

Note: Reducers are shipped without a mounting base. Order bolt-on base kit **13BASE** if required.
Refer to page G4-118 for hollow bore bushing selections

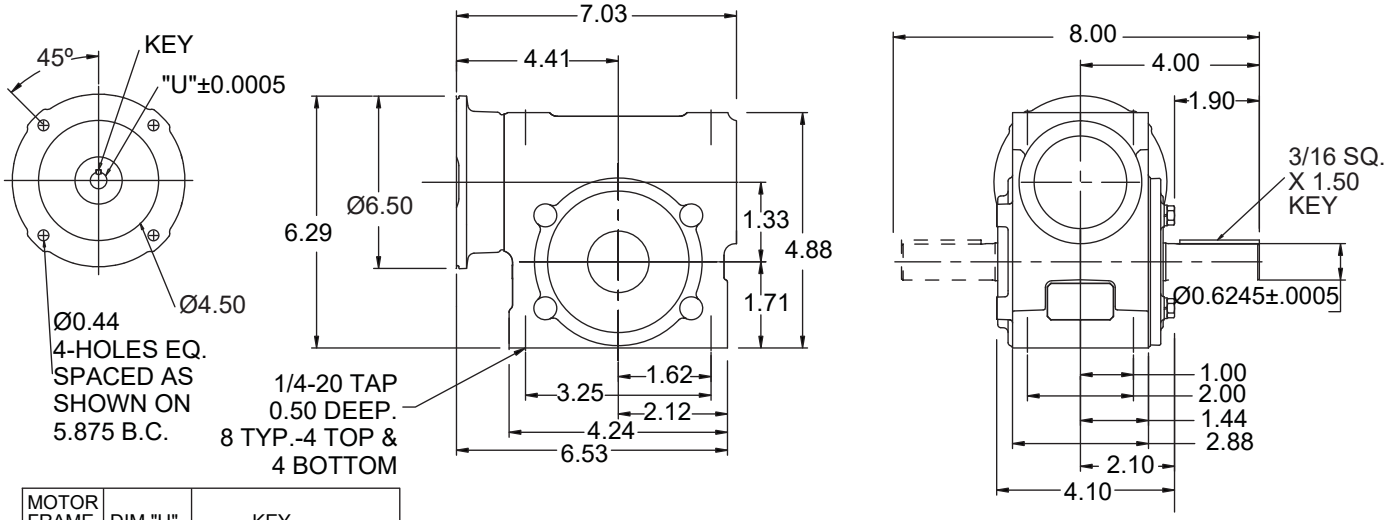
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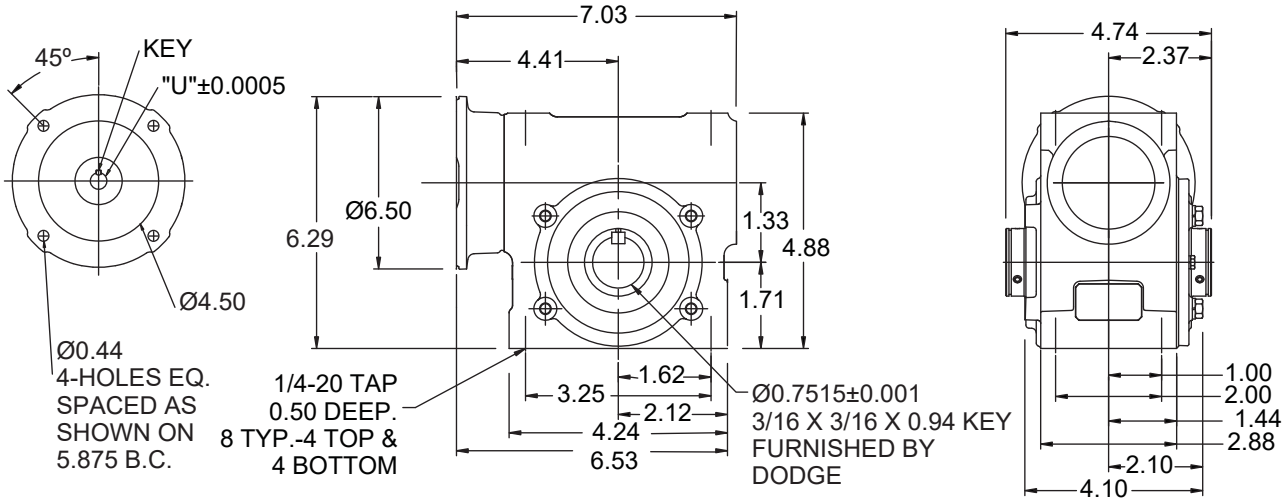
TIGEAR-2 Reducers With Quill Input - Size 13

SOLID OUTPUT

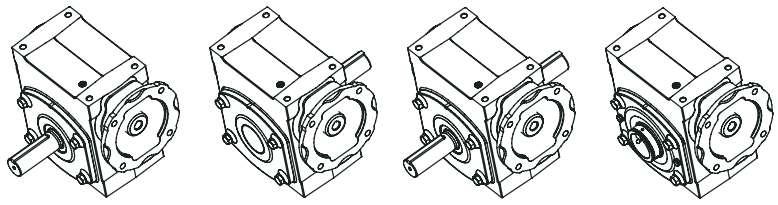


MOTOR FRAME	DIM "U"	KEY
48Y 56C	ˇ 0.626	3/16 SQ. X 1.72 KEY

HOLLOW OUTPUT



OUTPUT SHAFT CONFIGURATIONS



L R LR H

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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With Separate Input - Size 13

Ratio	Output RPM	Rating Data 1750 Input RPM		Separate Reducer	Shaft Position	Optional Motor Adapter Kit	
						56C	140TC
5	350	Mechanical Input Hp	1.32	13S05L	L	1315MTR56	1315MTR14
		Thermal Input Hp	2.94	13S05R	R		
		Output Torque (lb in.)	219	13S05LR	LR		
		Mechanical Output Hp	1.22	13S05H	HOLLOW		
		Output OHL (lbs.)	650				
7.5	233	Mechanical Input Hp	1.04	13S07L	L	1315MTR56	1315MTR14
		Thermal Input Hp	2.27	13S07R	R		
		Output Torque (lb in.)	251	13S07LR	LR		
		Mechanical Output Hp	0.94	13S07H	HOLLOW		
		Output OHL (lbs.)	650				
10	175	Mechanical Input Hp	0.85	13S10L	L	1315MTR56	1315MTR14
		Thermal Input Hp	1.96	13S10R	R		
		Output Torque (lb in.)	270	13S10LR	LR		
		Mechanical Output Hp	0.75	13S10H	HOLLOW		
		Output OHL (lbs.)	650				
15	117	Mechanical Input Hp	0.64	13S15L	L	1315MTR56	
		Thermal Input Hp	1.38	13S15R	R		
		Output Torque (lb in.)	293	13S15LR	LR		
		Mechanical Output Hp	0.54	13S15H	HOLLOW		
		Output OHL (lbs.)	650				
20	88	Mechanical Input Hp	0.53	13S20L	L	1315MTR56	
		Thermal Input Hp	1.06	13S20R	R		
		Output Torque (lb in.)	304	13S20LR	LR		
		Mechanical Output Hp	0.42	13S20H	HOLLOW		
		Output OHL (lbs.)	650				
25	70	Mechanical Input Hp	0.46	13S25L	L	1315MTR56	
		Thermal Input Hp	0.86	13S25R	R		
		Output Torque (lb in.)	311	13S25LR	LR		
		Mechanical Output Hp	0.35	13S25H	HOLLOW		
		Output OHL (lbs.)	650				
30	58	Mechanical Input Hp	0.39	13S30L	L	1315MTR56	
		Thermal Input Hp	0.85	13S30R	R		
		Output Torque (lb in.)	314	13S30LR	LR		
		Mechanical Output Hp	0.29	13S30H	HOLLOW		
		Output OHL (lbs.)	650				
40	44	Mechanical Input Hp	0.32	13S40L	L	1315MTR56	
		Thermal Input Hp	0.70	13S40R	R		
		Output Torque (lb in.)	319	13S40LR	LR		
		Mechanical Output Hp	0.22	13S40H	HOLLOW		
		Output OHL (lbs.)	650				
50	35	Mechanical Input Hp	0.27	13S50L	L	1315MTR56	
		Thermal Input Hp	0.61	13S50R	R		
		Output Torque (lb in.)	313	13S50LR	LR		
		Mechanical Output Hp	0.17	13S50H	HOLLOW		
		Output OHL (lbs.)	650				
60	29	Mechanical Input Hp	0.23	13S60L	L	1315MTR56	
		Thermal Input Hp	0.54	13S60R	R		
		Output Torque (lb in.)	298	13S60LR	LR		
		Mechanical Output Hp	0.14	13S60H	HOLLOW		
		Output OHL (lbs.)	650				
All Ratios		Input OHL (lbs)	120	One diameter from seal surface			

Note: TIGEAR-2 separate reducers cannot be used with the old Adaptable TIGEAR motor adapter kits.
Refer to page G4-118 for hollow bore bushing selections

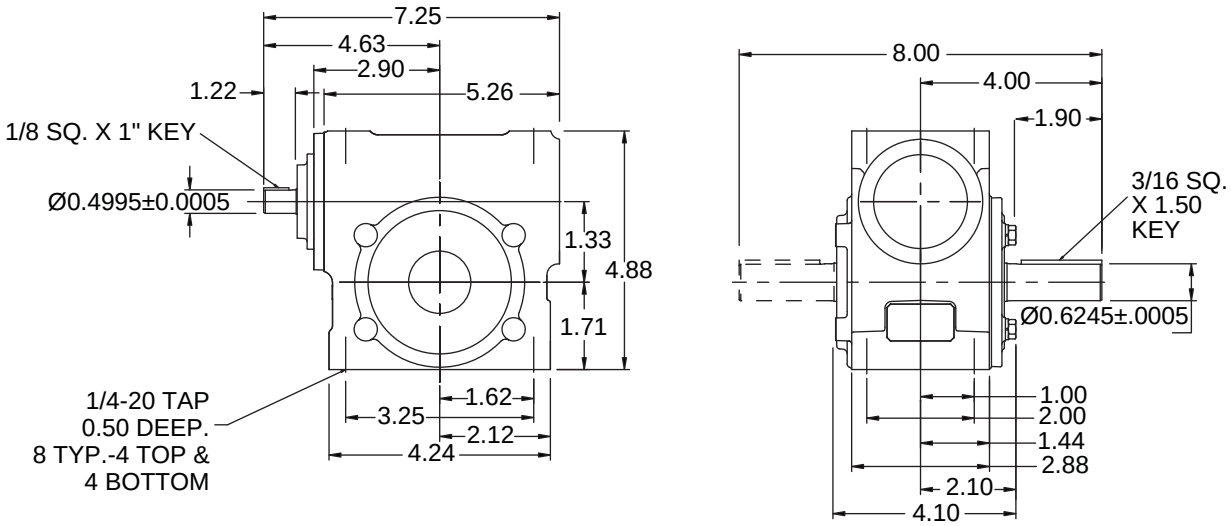
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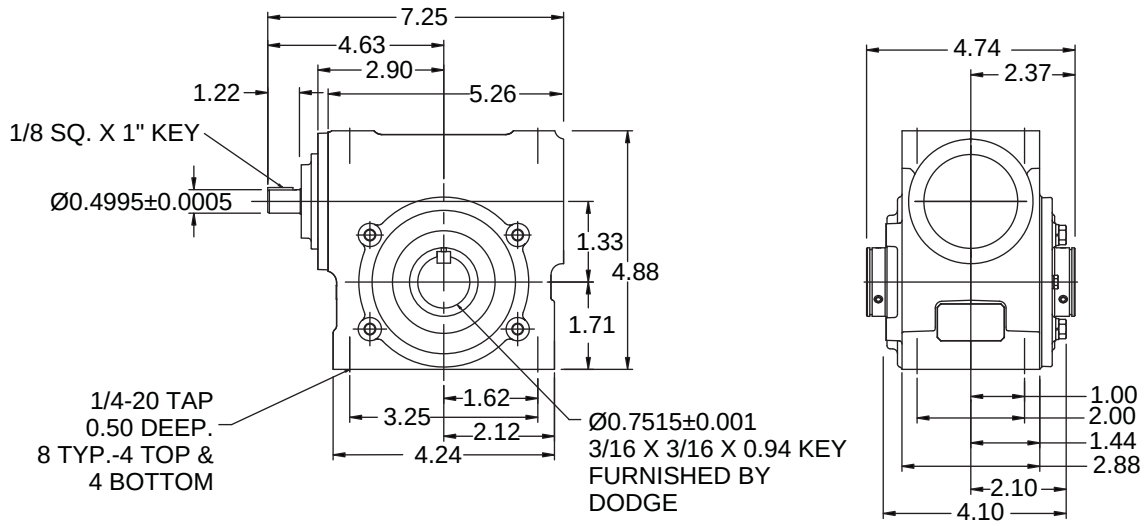


TIGEAR-2 Reducers With Separate Input - Size 13

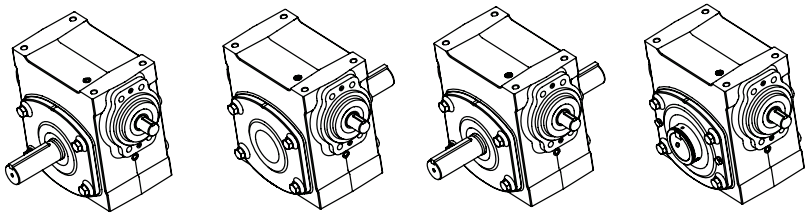
SOLID OUTPUT



HOLLOW OUTPUT



OUTPUT SHAFT CONFIGURATIONS



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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With 3-Piece Coupled Input - Size 13

3-Piece Coupled units include a Separate reducer, 3-piece coupling and motor adapter housing assembled together.
These assemblies are normally "made to order" with a 5 day standard lead time.

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Part Number 140TC	Shaft Position
5	350	Mechanical Input Hp	1.32	13A05L56	13A05L14	L
		Thermal Input Hp	2.94	13A05R56	13A05RL14	R
		Output Torque (lb in.)	219	13A05LR56	13A05LR14	LR
		Mechanical Output Hp	1.22	13A05H56	13A05H14	HOLLOW
		Output OHL (lbs.)	650			
7.5	233	Mechanical Input Hp	1.04	13A07L56	13A07L14	L
		Thermal Input Hp	2.27	13A07R56	13A07RL14	R
		Output Torque (lb in.)	251	13A07LR56	13A07LR14	LR
		Mechanical Output Hp	0.94	13A07H56	13A07H14	HOLLOW
		Output OHL (lbs.)	650			
10	175	Mechanical Input Hp	0.85	13A10L56	13A10L14	L
		Thermal Input Hp	1.96	13A10R56	13A10RL14	R
		Output Torque (lb in.)	270	13A10LR56	13A10LR14	LR
		Mechanical Output Hp	0.75	13A10H56	13A10H14	HOLLOW
		Output OHL (lbs.)	650			
15	117	Mechanical Input Hp	0.64	13A15L56		L
		Thermal Input Hp	1.38	13A15R56		R
		Output Torque (lb in.)	293	13A15LR56		LR
		Mechanical Output Hp	0.54	13A15H56		HOLLOW
		Output OHL (lbs.)	650			
20	88	Mechanical Input Hp	0.53	13A20L56		L
		Thermal Input Hp	1.06	13A20R56		R
		Output Torque (lb in.)	304	13A20LR56		LR
		Mechanical Output Hp	0.42	13A20H56		HOLLOW
		Output OHL (lbs.)	650			
25	70	Mechanical Input Hp	0.46	13A25L56		L
		Thermal Input Hp	0.86	13A25R56		R
		Output Torque (lb in.)	311	13A25LR56		LR
		Mechanical Output Hp	0.35	13A25H56		HOLLOW
		Output OHL (lbs.)	650			
30	58	Mechanical Input Hp	0.39	13A30L56		L
		Thermal Input Hp	0.85	13A30R56		R
		Output Torque (lb in.)	314	13A30LR56		LR
		Mechanical Output Hp	0.29	13A30H56		HOLLOW
		Output OHL (lbs.)	650			
40	44	Mechanical Input Hp	0.32	13A40L56		L
		Thermal Input Hp	0.70	13A40R56		R
		Output Torque (lb in.)	319	13A40LR56		LR
		Mechanical Output Hp	0.22	13A40H56		HOLLOW
		Output OHL (lbs.)	650			
50	35	Mechanical Input Hp	0.27	13A50L56		L
		Thermal Input Hp	0.61	13A50R56		R
		Output Torque (lb in.)	313	13A50LR56		LR
		Mechanical Output Hp	0.17	13A50H56		HOLLOW
		Output OHL (lbs.)	650			
60	29	Mechanical Input Hp	0.23	13A60L56		L
		Thermal Input Hp	0.54	13A60R56		R
		Output Torque (lb in.)	298	13A60LR56		LR
		Mechanical Output Hp	0.14	13A60H56		HOLLOW
		Output OHL (lbs.)	650			

Note: Reducers are shipped without a mounting base. Order bolt-on base kit 13BASE if required.
Refer to page G4-118 for hollow bore bushing selections

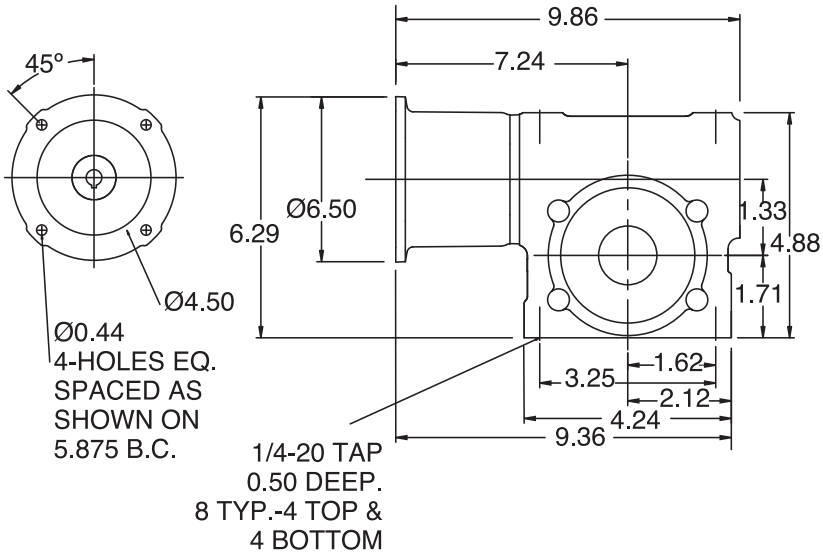
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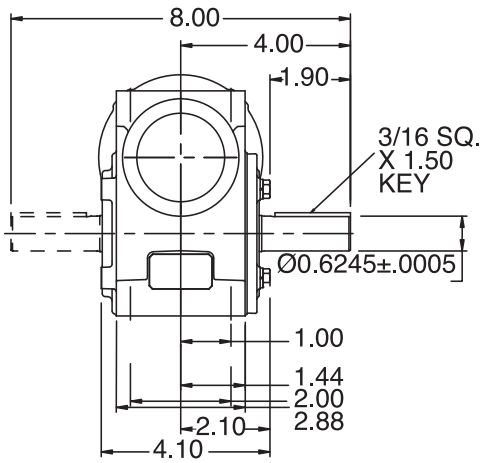


RATINGS/DIMENSIONS

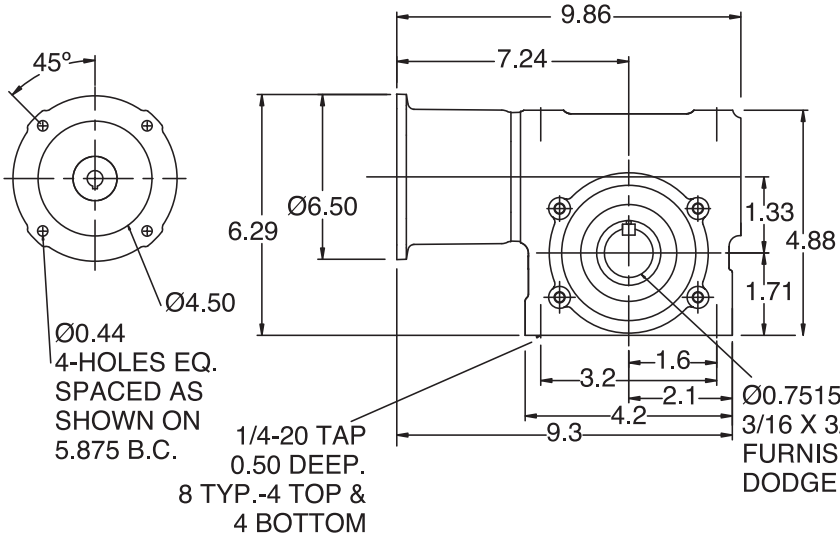
TIGEAR-2 Reducers With 3-Piece Coupled Input - Size 13

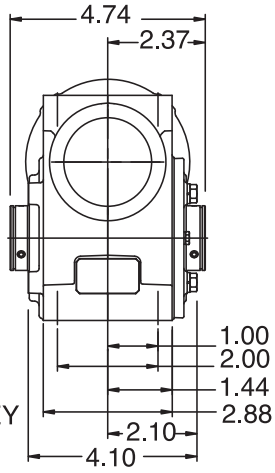
SOLID OUTPUT



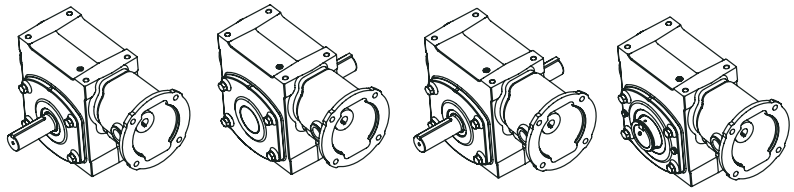


HOLLOW OUTPUT





OUTPUT SHAFT CONFIGURATIONS



L R LR H

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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With Quill Input - Size 15

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Shaft Position
5	350	Mechanical Input Hp	1.75	**15Q05L56**	L
		Thermal Input Hp	3.34	**15Q05R56**	R
		Output Torque (lb in.)	293	**15Q05LR56**	LR
		Mechanical Output Hp	1.63	**15Q05H56**	HOLLOW
		Output OHL (lbs.)	710		
7.5	233	Mechanical Input Hp	1.40	**15Q07L56**	L
		Thermal Input Hp	2.55	**15Q07R56**	R
		Output Torque (lb in.)	337	**15Q07LR56**	LR
		Mechanical Output Hp	1.26	**15Q07H56**	HOLLOW
		Output OHL (lbs.)	710		
10	175	Mechanical Input Hp	1.13	**15Q10L56**	L
		Thermal Input Hp	2.22	**15Q10R56**	R
		Output Torque (lb in.)	361	**15Q10LR56**	LR
		Mechanical Output Hp	1.00	**15Q10H56**	HOLLOW
		Output OHL (lbs.)	710		
15	117	Mechanical Input Hp	0.86	**15Q15L56**	L
		Thermal Input Hp	1.58	**15Q15R56**	R
		Output Torque (lb in.)	392	**15Q15LR56**	LR
		Mechanical Output Hp	0.73	**15Q15H56**	HOLLOW
		Output OHL (lbs.)	710		
20	88	Mechanical Input HP	0.70	**15Q20L56**	L
		Thermal Input Hp	1.26	**15Q20R56**	R
		Output Torque (lb in.)	407	**15Q20LR56**	LR
		Mechanical Output Hp	0.56	**15Q20H56**	HOLLOW
		Output OHL (lbs.)	710		
25	70	Mechanical Input Hp	0.60	**15Q25L56**	L
		Thermal Input Hp	0.99	**15Q25R56**	R
		Output Torque (lb in.)	410	**15Q25LR56**	LR
		Mechanical Output Hp	0.46	**15Q25H56**	HOLLOW
		Output OHL (lbs.)	710		
30	58	Mechanical Input Hp	0.51	**15Q30L56**	L
		Thermal Input Hp	0.96	**15Q30R56**	R
		Output Torque (lb in.)	413	**15Q30LR56**	LR
		Mechanical Output Hp	0.38	**15Q30H56**	HOLLOW
		Output OHL (lbs.)	710		
40	44	Mechanical Input Hp	0.41	**15Q40L56**	L
		Thermal Input Hp	0.80	**15Q40R56**	R
		Output Torque (lb in.)	417	**15Q40LR56**	LR
		Mechanical Output Hp	0.29	**15Q40H56**	HOLLOW
		Output OHL (lbs.)	710		
50	35	Mechanical Input Hp	0.34	**15Q50L56**	L
		Thermal Input Hp	0.70	**15Q50R56**	R
		Output Torque (lb in.)	402	**15Q50LR56**	LR
		Mechanical Output Hp	0.22	**15Q50H56**	HOLLOW
		Output OHL (lbs.)	710		
60	29	Mechanical Input Hp	0.29	**15Q60L56**	L
		Thermal Input Hp	0.62	**15Q60R56**	R
		Output Torque (lb in.)	381	**15Q60LR56**	LR
		Mechanical Output Hp	0.18	**15Q60H56**	HOLLOW
		Output OHL (lbs.)	710		

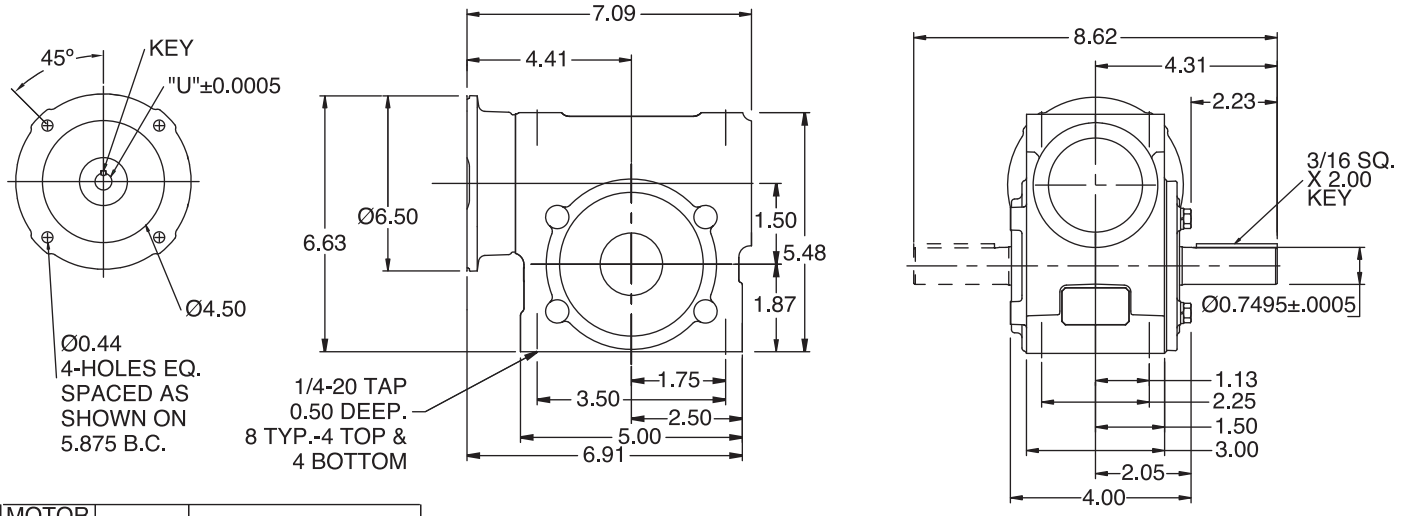
Note: Reducers are shipped without a mounting base. Order bolt-on base kit **15BASE** if required.
Refer to page G4-118 for hollow bore bushing selections.

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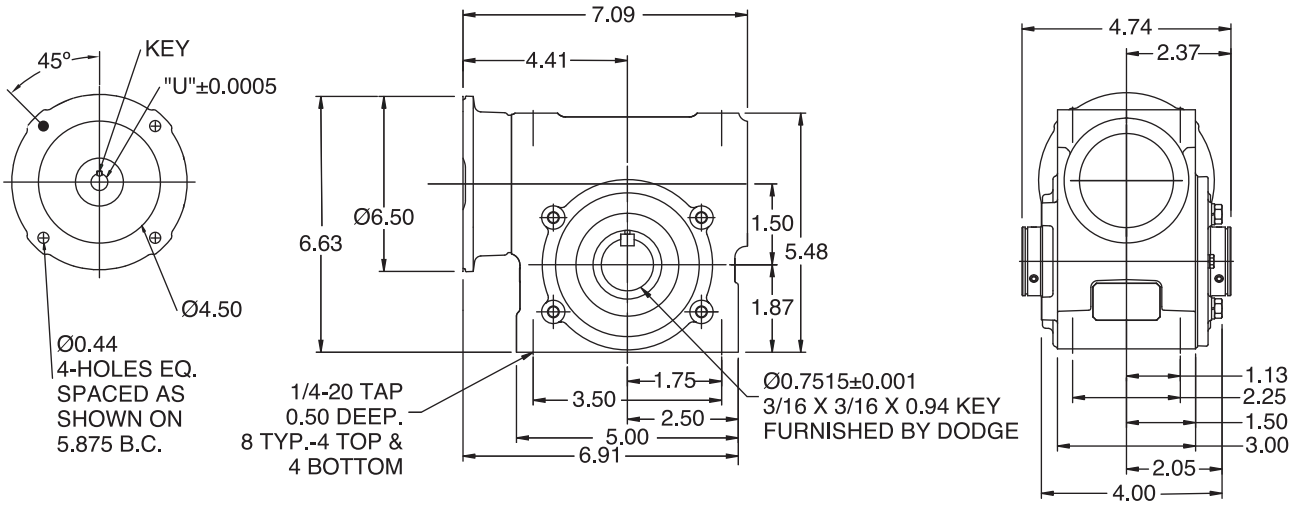
TIGEAR-2 Reducers With Quill Input - Size 15

SOLID OUTPUT

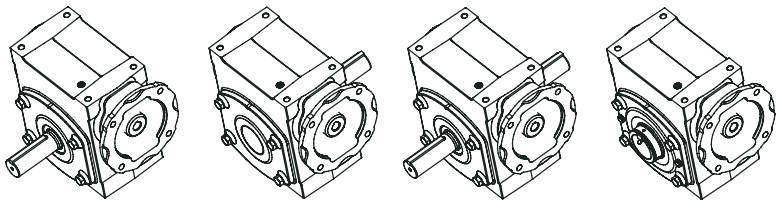


MOTOR FRAME	"U"	KEY
48Y 56C	Ø0.626	3/16 SQ. X 1.72 KEY

HOLLOW OUTPUT



OUTPUT SHAFT CONFIGURATIONS



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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With Separate Input - Size 15

Ratio	Output RPM	Rating Data 1750 Input RPM		Separate Reducer	Shaft Position	Optional Motor Adapter Kit	
						56C	140TC
5	350	Mechanical Input Hp	1.75	**15S05L**	L	**1315MTR56**	**1315MTR14**
		Thermal Input Hp	3.34	**15S05R**	R		
		Output Torque (lb in.)	293	**15S05LR**	LR		
		Mechanical Output Hp	1.63	**15S05H**	HOLLOW		
		Output OHL (lbs.)	710				
7.5	233	Mechanical Input Hp	1.40	**15S07L**	L	**1315MTR56**	**1315MTR14**
		Thermal Input Hp	2.55	**15S07R**	R		
		Output Torque (lb in.)	337	**15S07LR**	LR		
		Mechanical Output Hp	1.26	**15S07H**	HOLLOW		
		Output OHL (lbs.)	710				
10	175	Mechanical Input Hp	1.13	**15S10L**	L	**1315MTR56**	**1315MTR14**
		Thermal Input Hp	2.22	**15S10R**	R		
		Output Torque (lb in.)	361	**15S10LR**	LR		
		Mechanical Output Hp	1.00	**15S10H**	HOLLOW		
		Output OHL (lbs.)	710				
15	117	Mechanical Input Hp	0.86	**15S15L**	L	**1315MTR56**	
		Thermal Input Hp	1.58	**15S15R**	R		
		Output Torque (lb in.)	392	**15S15LR**	LR		
		Mechanical Output Hp	0.73	**15S15H**	HOLLOW		
		Output OHL (lbs.)	710				
20	88	Mechanical Input Hp	0.70	**15S20L**	L	**1315MTR56**	
		Thermal Input Hp	1.26	**15S20R**	R		
		Output Torque (lb in.)	407	**15S20LR**	LR		
		Mechanical Output Hp	0.56	**15S20H**	HOLLOW		
		Output OHL (lbs.)	710				
25	70	Mechanical Input Hp	0.60	**15S25L**	L	**1315MTR56**	
		Thermal Input Hp	0.99	**15S25R**	R		
		Output Torque (lb in.)	410	**15S25LR**	LR		
		Mechanical Output Hp	0.46	**15S25H**	HOLLOW		
		Output OHL (lbs.)	710				
30	58	Mechanical Input Hp	0.51	**15S30L**	L	**1315MTR56**	
		Thermal Input Hp	0.96	**15S30R**	R		
		Output Torque (lb in.)	413	**15S30LR**	LR		
		Mechanical Output Hp	0.38	**15S30H**	HOLLOW		
		Output OHL (lbs.)	710				
40	44	Mechanical Input Hp	0.41	**15S40L**	L	**1315MTR56**	
		Thermal Input Hp	0.80	**15S40R**	R		
		Output Torque (lb in.)	417	**15S40LR**	LR		
		Mechanical Output Hp	0.29	**15S40H**	HOLLOW		
		Output OHL (lbs.)	710				
50	35	Mechanical Input Hp	0.34	**15S50L**	L	**1315MTR56**	
		Thermal Input Hp	0.70	**15S50R**	R		
		Output Torque (lb in.)	402	**15S50LR**	LR		
		Mechanical Output Hp	0.22	**15S50H**	HOLLOW		
		Output OHL (lbs.)	710				
60	29	Mechanical Input Hp	0.29	**15S60L**	L	**1315MTR56**	
		Thermal Input Hp	0.62	**15S60R**	R		
		Output Torque (lb in.)	381	**15S60LR**	LR		
		Mechanical Output Hp	0.18	**15S60H**	HOLLOW		
		Output OHL (lbs.)	710				
All Ratios		Input OHL (lbs)	140	One diameter from seal surface			

Note: TIGEAR-2 separate reducers cannot be used with the old Adaptable TIGEAR motor adapter kits.
Refer to page G4-118 for hollow bore bushing selections

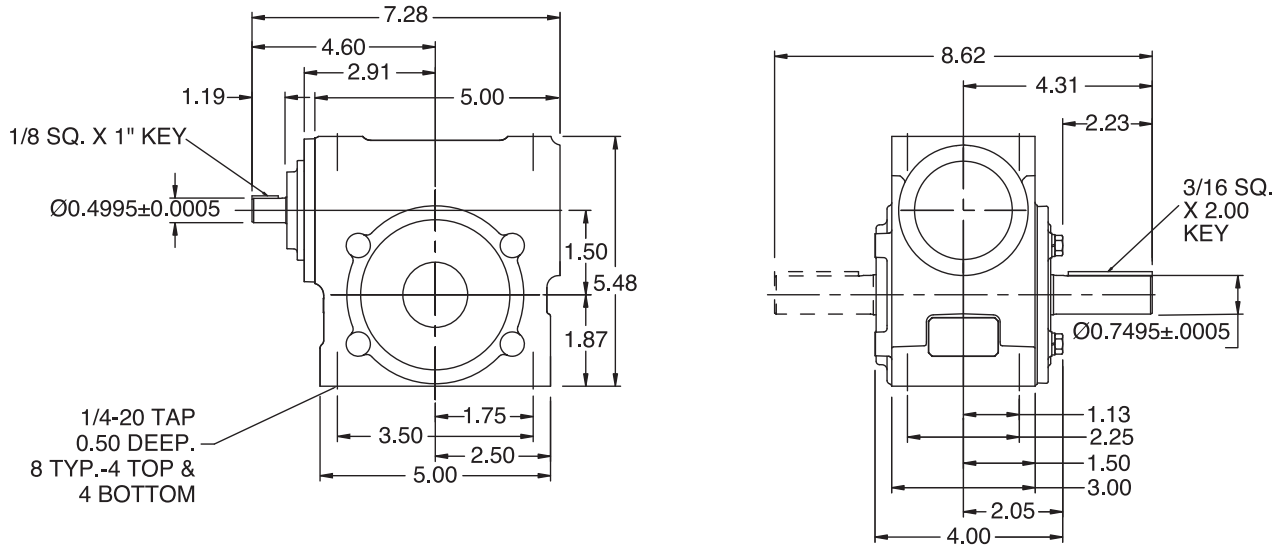
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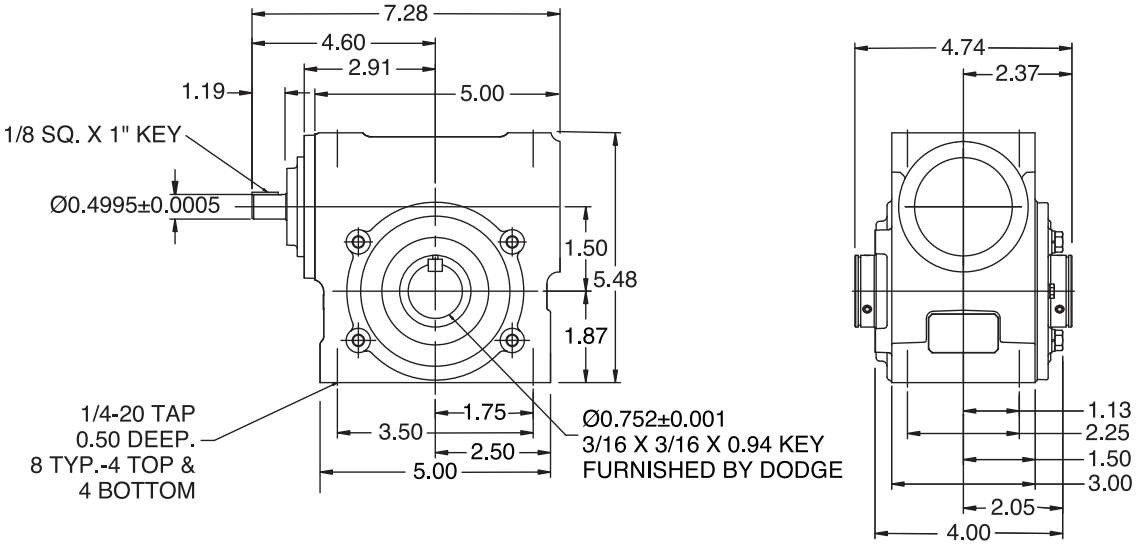
RATINGS/DIMENSIONS

TIGEAR-2 Reducers With Separate Input - Size 15

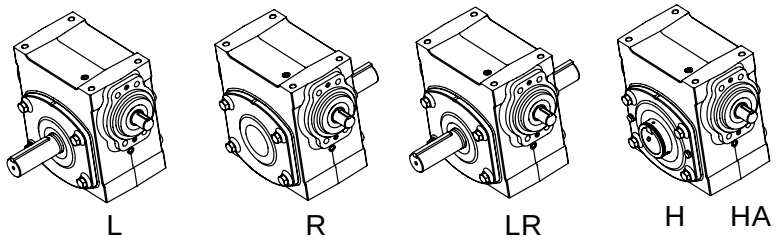
SOLID OUTPUT



HOLLOW OUTPUT



OUTPUT SHAFT CONFIGURATIONS



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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With 3-Piece Coupled Input - Size 15

3-Piece Coupled units include a Separate reducer, 3-piece coupling and motor adapter housing assembled together.
These assemblies are normally "made to order" with a 5 day standard lead time.

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Part Number 140TC	Position Shaft
5	350	Mechanical Input Hp	1.75	15A05L56	15A05L14	L
		Thermal Input Hp	3.34	15A05R56	15A05R14	R
		Output Torque (lb in.)	293	15A05LR56	15A05LR14	LR
		Mechanical Output Hp	1.63	15A05H56	15A05H14	HOLLOW
		Output OHL (lbs.)	710			
7.5	233	Mechanical Input Hp	1.40	15A07L56	15A07L14	L
		Thermal Input Hp	2.55	15A07R56	15A07R14	R
		Output Torque (lb in.)	337	15A07LR56	15A07LR14	LR
		Mechanical Output Hp	1.26	15A07H56	15A07H14	HOLLOW
		Output OHL (lbs.)	710			
10	175	Mechanical Input Hp	1.13	15A10L56	15A10L14	L
		Thermal Input Hp	2.22	15A10R56	15A10R14	R
		Output Torque (lb in.)	361	15A10LR56	15A10LR14	LR
		Mechanical Output Hp	1.00	15A10H56	15A10H14	HOLLOW
		Output OHL (lbs.)	710			
15	117	Mechanical Input Hp	0.86	15A15L56		L
		Thermal Input Hp	1.58	15A15R56		R
		Output Torque (lb in.)	392	15A15LR56		LR
		Mechanical Output Hp	0.73	15A15H56		HOLLOW
		Output OHL (lbs.)	710			
20	88	Mechanical Input Hp	0.70	15A20L56		L
		Thermal Input Hp	1.26	15A20R56		R
		Output Torque (lb in.)	407	15A20LR56		LR
		Mechanical Output Hp	0.56	15A20H56		HOLLOW
		Output OHL (lbs.)	710			
25	70	Mechanical Input Hp	0.60	15A25L56		L
		Thermal Input Hp	0.99	15A25R56		R
		Output Torque (lb in.)	410	15A25LR56		LR
		Mechanical Output Hp	0.46	15A25H56		HOLLOW
		Output OHL (lbs.)	710			
30	58	Mechanical Input Hp	0.51	15A30L56		L
		Thermal Input Hp	0.96	15A30R56		R
		Output Torque (lb in.)	413	15A30LR56		LR
		Mechanical Output Hp	0.38	15A30H56		HOLLOW
		Output OHL (lbs.)	710			
40	44	Mechanical Input Hp	0.41	15A40L56		L
		Thermal Input Hp	0.80	15A40R56		R
		Output Torque (lb in.)	417	15A40LR56		LR
		Mechanical Output Hp	0.29	15A40H56		HOLLOW
		Output OHL (lbs.)	710			
50	35	Mechanical Input Hp	0.34	15A50L56		L
		Thermal Input Hp	0.70	15A50R56		R
		Output Torque (lb in.)	402	15A50LR56		LR
		Mechanical Output Hp	0.22	15A50H56		HOLLOW
		Output OHL (lbs.)	710			
60	29	Mechanical Input Hp	0.29	15A60L56		L
		Thermal Input Hp	0.62	15A60R56		R
		Output Torque (lb in.)	381	15A60LR56		LR
		Mechanical Output Hp	0.18	15A60H56		HOLLOW
		Output OHL (lbs.)	710			

Note: Reducers are shipped without a mounting base. Order bolt-on base kit **15BASE** if required.
Refer to page G4-118 for hollow bore bushing selections

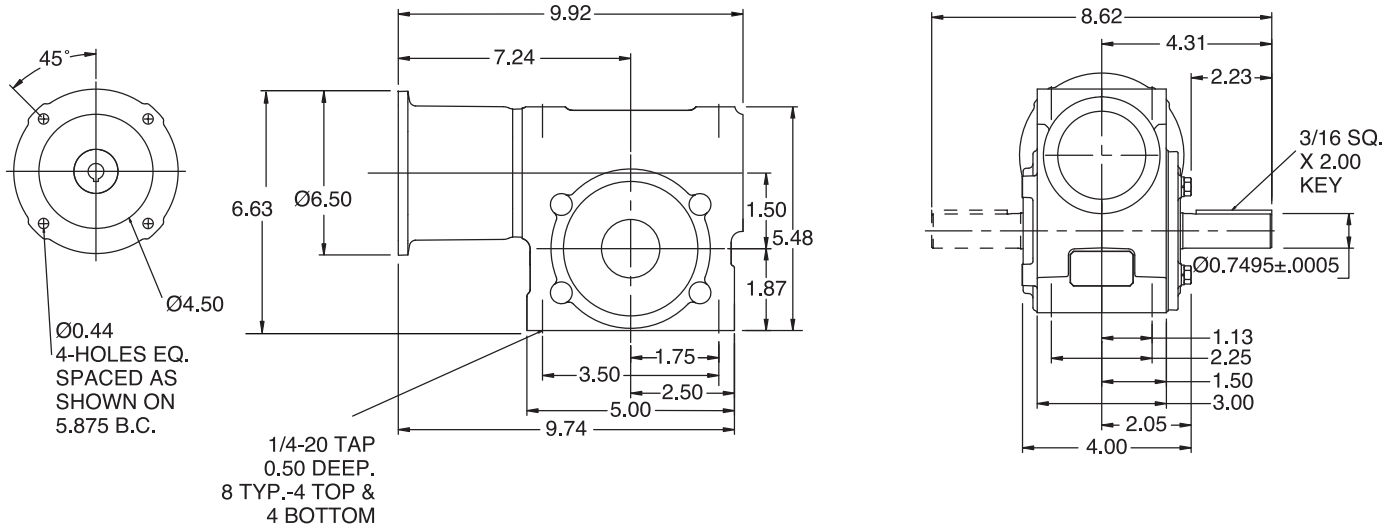
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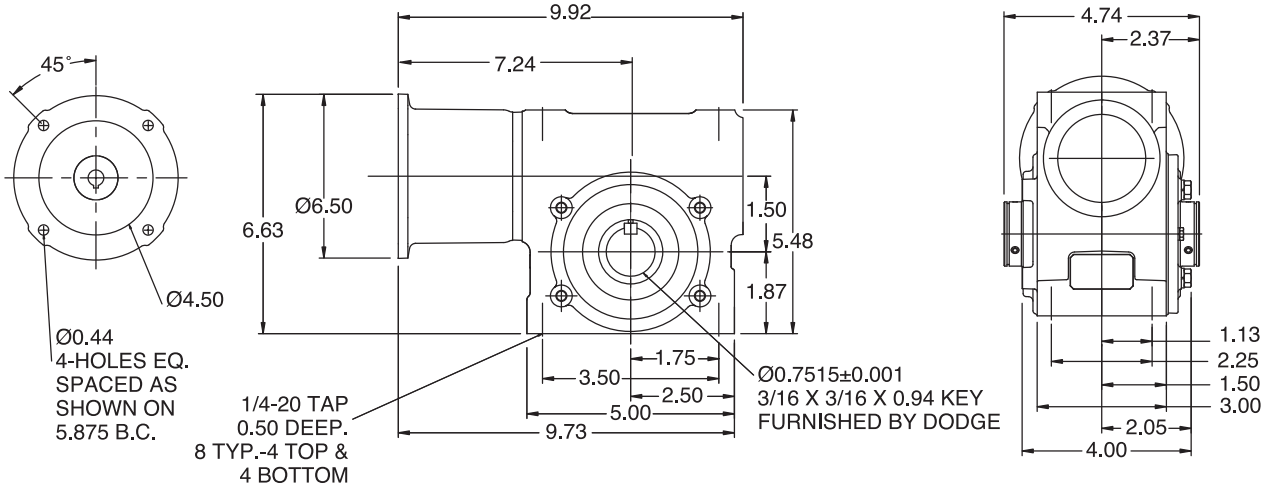


TIGEAR-2 Reducers With 3-Piece Coupled Input - Size 15

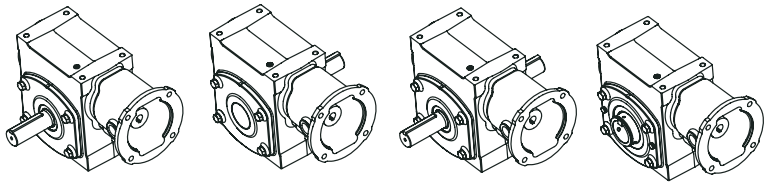
SOLID OUTPUT



HOLLOW OUTPUT



OUTPUT SHAFT CONFIGURATIONS



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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With Quill Input - Size 17

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Part Number 140TC	Shaft Position
5	350	Mechanical Input Hp	2.59	17Q05L56	17Q05L14	L
		Thermal Input Hp	3.97	17Q05R56	17Q05R14	R
		Output Torque (lb in.)	430	17Q05LR56	17Q05LR14	LR
		Mechanical Output Hp	2.39	17Q05H56	17Q05H14	HOLLOW
		Output OHL (lbs.)	1050			
7.5	233	Mechanical Input Hp	2.06	17Q07L56	17Q07L14	L
		Thermal Input Hp	3.42	17Q07R56	17Q07R14	R
		Output Torque (lb in.)	500	17Q07LR56	17Q07LR14	LR
		Mechanical Output Hp	1.88	17Q07H56	17Q07H14	HOLLOW
		Output OHL (lbs.)	1190			
10	175	Mechanical Input Hp	1.67	17Q10L56	17Q10L14	L
		Thermal Input Hp	2.76	17Q10R56	17Q10R14	R
		Output Torque (lb in.)	534	17Q10LR56	17Q10LR14	LR
		Mechanical Output Hp	1.48	17Q10H56	17Q10H14	HOLLOW
		Output OHL (lbs.)	1190			
15	117	Mechanical Input Hp	1.27	17Q15L56	17Q15L14	L
		Thermal Input Hp	2.01	17Q15R56	17Q15R14	R
		Output Torque (lb in.)	583	17Q15LR56	17Q15LR14	LR
		Mechanical Output Hp	1.08	17Q15H56	17Q15H14	HOLLOW
		Output OHL (lbs.)	1190			
20	88	Mechanical Input Hp	1.03	17Q20L56	17Q20L14	L
		Thermal Input Hp	1.58	17Q20R56	17Q20R14	R
		Output Torque (lb in.)	602	17Q20LR56	17Q20LR14	LR
		Mechanical Output Hp	0.84	17Q20H56	17Q20H14	HOLLOW
		Output OHL (lbs.)	1190			
25	70	Mechanical Input Hp	0.88	17Q25L56		L
		Thermal Input Hp	1.28	17Q25R56		R
		Output Torque (lb in.)	609	17Q25LR56		LR
		Mechanical Output Hp	0.68	17Q25H56		HOLLOW
		Output OHL (lbs.)	1190			
30	58	Mechanical Input Hp	0.76	17Q30L56		L
		Thermal Input Hp	1.20	17Q30R56		R
		Output Torque (lb in.)	615	17Q30LR56		LR
		Mechanical Output Hp	0.57	17Q30H56		HOLLOW
		Output OHL (lbs.)	1190			
40	44	Mechanical Input Hp	0.60	17Q40L56		L
		Thermal Input Hp	1.09	17Q40R56		R
		Output Torque (lb in.)	627	17Q40LR56		LR
		Mechanical Output Hp	0.43	17Q40H56		HOLLOW
		Output OHL (lbs.)	1190			
50	35	Mechanical Input Hp	0.51	17Q50L56		L
		Thermal Input Hp	0.90	17Q50R56		R
		Output Torque (lb in.)	608	17Q50LR56		LR
		Mechanical Output Hp	0.34	17Q50H56		HOLLOW
		Output OHL (lbs.)	1190			
60	29	Mechanical Input Hp	0.43	17Q60L56		L
		Thermal Input Hp	0.80	17Q60R56		R
		Output Torque (lb in.)	576	17Q60LR56		LR
		Mechanical Output Hp	0.27	17Q60H56		HOLLOW
		Output OHL (lbs.)	1190			

Note: Reducers are shipped without a mounting base. Order bolt-on base kit **17BASE** if required.
Refer to page G4-118 for hollow bore bushing selections

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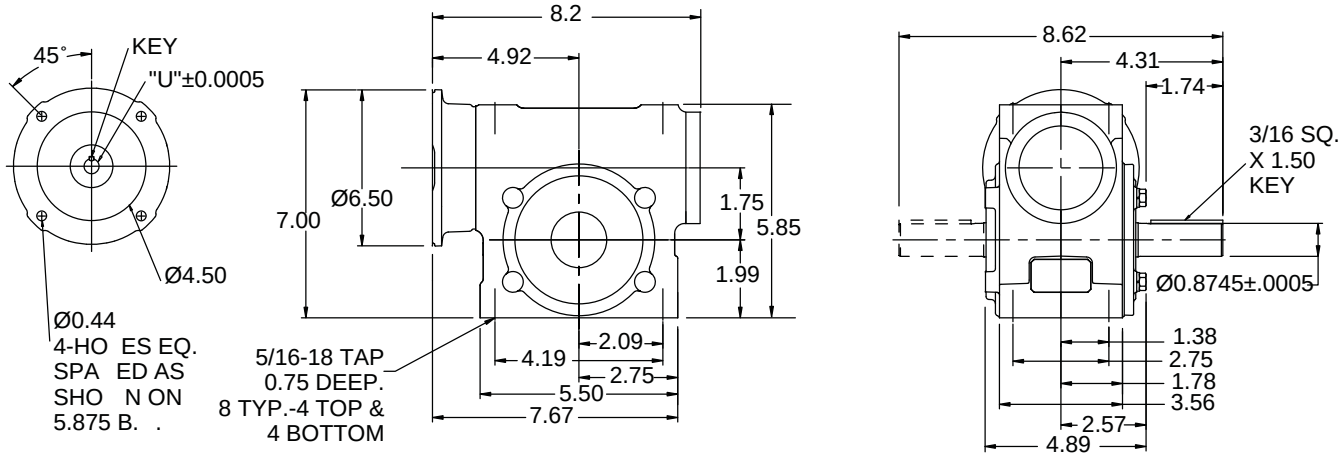
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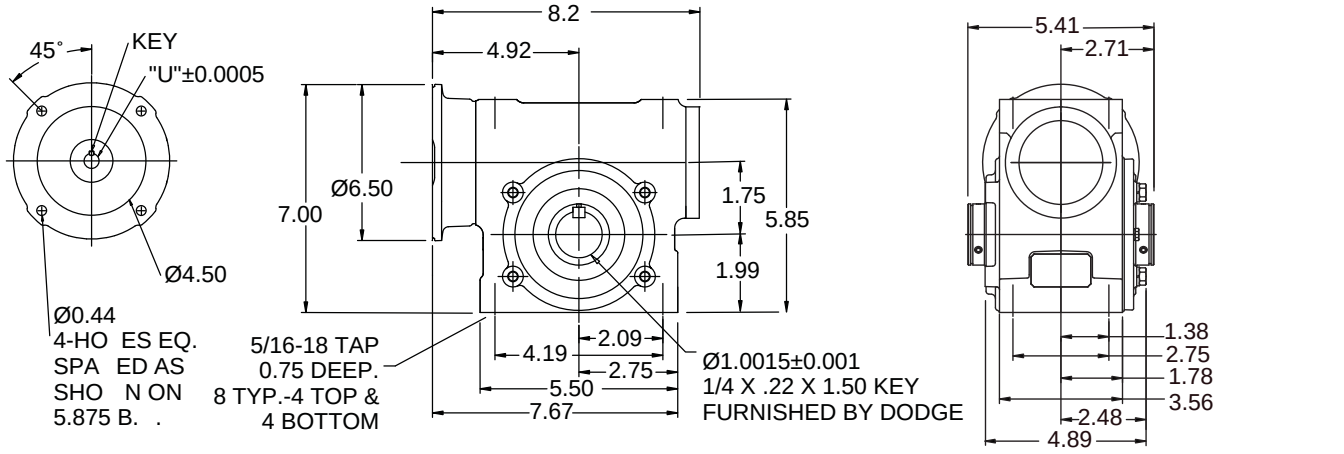
RATINGS/DIMENSIONS

TIGEAR-2 Reducers With Quill Input - Size 17

SOLID OUTPUT

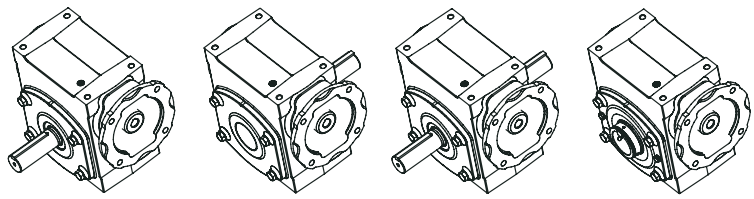


HOLLOW OUTPUT



MOTOR FRAME	"U"	KEY
48Y 56	.626	3/16 SQ. 1.50 KEY
140T 160AT	.876	3/16 SQ 1.50 KEY

OUTPUT SHAFT CONFIGURATIONS



L R LR H

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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With Separate Input - Size 17

Ratio	Output RPM	Rating Data 1750 Input RPM		Separate Reducer	Shaft Position	Optional Motor Adapter Kit	
						56C	140TC
5	350	Mechanical Input Hp	2.59	17S05L	L	1720MTR56	1720MTR14
		Thermal Input Hp	3.97	17S05R	R		
		Output Torque (lb in.)	430	17S05LR	LR		
		Mechanical Output Hp	2.39	17S05H	HOLLOW		
		Output OHL (lbs.)	1050				
7.5	233	Mechanical Input Hp	2.06	17S07L	L	1720MTR56	1720MTR14
		Thermal Input Hp	3.42	17S07R	R		
		Output Torque (lb in.)	500	17S07LR	LR		
		Mechanical Output Hp	1.88	17S07H	HOLLOW		
		Output OHL (lbs.)	1190				
10	175	Mechanical Input Hp	1.67	17S10L	L	1720MTR56	1720MTR14
		Thermal Input Hp	2.76	17S10R	R		
		Output Torque (lb in.)	534	17S10LR	LR		
		Mechanical Output Hp	1.48	17S10H	HOLLOW		
		Output OHL (lbs.)	1190				
15	117	Mechanical Input Hp	1.27	17S15L	L	1720MTR56	1720MTR14
		Thermal Input Hp	2.01	17S15R	R		
		Output Torque (lb in.)	583	17S15LR	LR		
		Mechanical Output Hp	1.08	17S15H	HOLLOW		
		Output OHL (lbs.)	1190				
20	88	Mechanical Input Hp	1.03	17S20L	L	1720MTR56	1720MTR14
		Thermal Input Hp	1.58	17S20R	R		
		Output Torque (lb in.)	602	17S20LR	LR		
		Mechanical Output Hp	0.84	17S20H	HOLLOW		
		Output OHL (lbs.)	1190				
25	70	Mechanical Input Hp	0.88	17S25L	L	1720MTR56	
		Thermal Input Hp	1.28	17S25R	R		
		Output Torque (lb in.)	609	17S25LR	LR		
		Mechanical Output Hp	0.68	17S25H	HOLLOW		
		Output OHL (lbs.)	1190				
30	58	Mechanical Input Hp	0.76	17S30L	L	1720MTR56	
		Thermal Input Hp	1.20	17S30R	R		
		Output Torque (lb in.)	615	17S30LR	LR		
		Mechanical Output Hp	0.57	17S30H	HOLLOW		
		Output OHL (lbs.)	1190				
40	44	Mechanical Input Hp	0.60	17S40L	L	1720MTR56	
		Thermal Input Hp	1.09	17S40R	R		
		Output Torque (lb in.)	627	17S40LR	LR		
		Mechanical Output Hp	0.43	17S40H	HOLLOW		
		Output OHL (lbs.)	1190				
50	35	Mechanical Input Hp	0.51	17S50L	L	1720MTR56	
		Thermal Input Hp	0.90	17S50R	R		
		Output Torque (lb in.)	608	17S50LR	LR		
		Mechanical Output Hp	0.34	17S50H	HOLLOW		
		Output OHL (lbs.)	1190				
60	29	Mechanical Input Hp	0.43	17S60L	L	1720MTR56	
		Thermal Input Hp	0.80	17S60R	R		
		Output Torque (lb in.)	576	17S60LR	LR		
		Mechanical Output Hp	0.27	17S60H	HOLLOW		
		Output OHL (lbs.)	1190				
All Ratios		Input OHL (lbs)	140	One diameter from seal surface			

Note: TIGEAR-2 separate reducers cannot be used with the old Adaptable TIGEAR motor adapter kits.
Refer to page G4-118 for hollow bore bushing selections

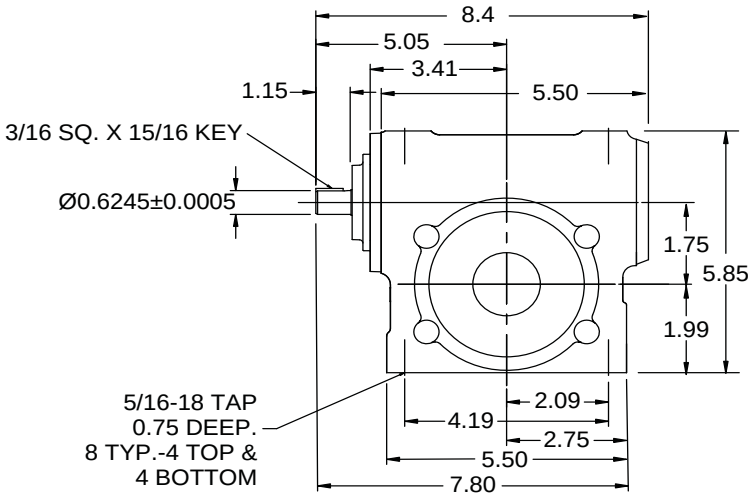
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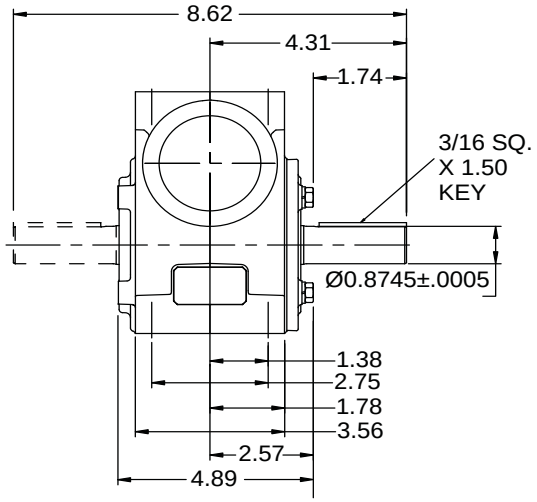


RATINGS/DIMENSIONS

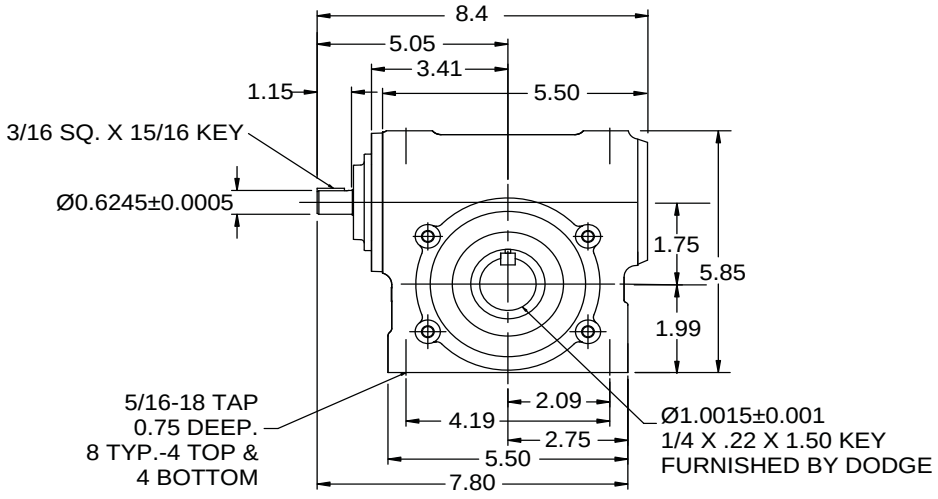
TIGEAR-2 Reducers With Separate Input - Size 17

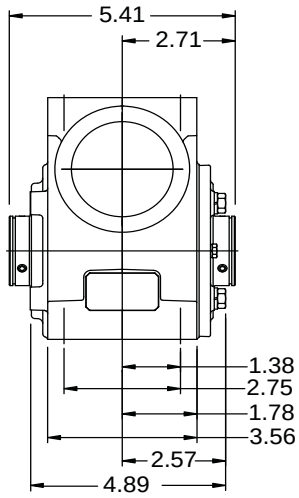
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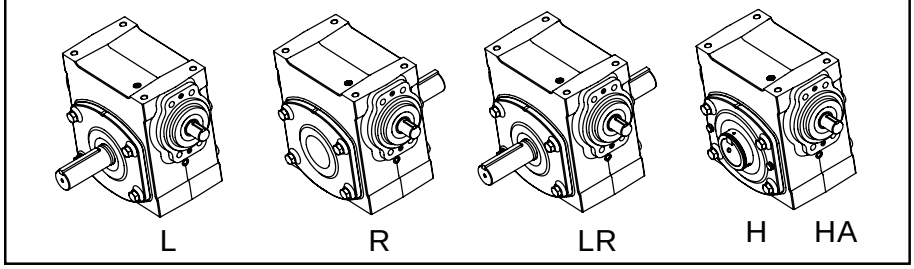




HOLLOW OUTPUT







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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With 3-Piece Coupled Input - Size 17

3-Piece Coupled units include a Separate reducer, 3-piece coupling and motor adapter housing assembled together.
These assemblies are normally "made to order" with a 5 day standard lead time.

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Part Number 140TC	Shaft Position
5	350	Mechanical Input Hp	2.59	17A05L56	17A05L14	L
		Thermal Input Hp	3.97	17A05R56	17A05R14	R
		Output Torque (lb in.)	430	17A05LR56	17A05LR14	LR
		Mechanical Output Hp	2.39	17A05H56	17A05H14	HOLLOW
		Output OHL (lbs.)	1050			
7.5	233	Mechanical Input Hp	2.06	17A07L56	17A07L14	L
		Thermal Input Hp	3.42	17A07R56	17A07R14	R
		Output Torque (lb in.)	500	17A07LR56	17A07LR14	LR
		Mechanical Output Hp	1.88	17A07H56	17A07H14	HOLLOW
		Output OHL (lbs.)	1190			
10	175	Mechanical Input Hp	1.67	17A10L56	17A10L14	L
		Thermal Input Hp	2.76	17A10R56	17A10R14	R
		Output Torque (lb in.)	534	17A10R56	17A10LR14	LR
		Mechanical Output Hp	1.48	17A10H56	17A10H14	HOLLOW
		Output OHL (lbs.)	1190			
15	117	Mechanical Input Hp	1.27	17A15L56	17A15L14	L
		Thermal Input Hp	2.01	17A15R56	17A15R14	R
		Output Torque (lb in.)	583	17A15LR56	17A15LR14	LR
		Mechanical Output Hp	1.08	17A15H56	17A15H14	HOLLOW
		Output OHL (lbs.)	1190			
20	88	Mechanical Input Hp	1.03	17A20L56	17A20L14	L
		Thermal Input Hp	1.58	17A20R56	17A20R14	R
		Output Torque (lb in.)	602	17A20LR56	17A20LR14	LR
		Mechanical Output Hp	0.84	17A20H56	17A20H14	HOLLOW
		Output OHL (lbs.)	1190			
25	70	Mechanical Input Hp	0.88	17A25L56		L
		Thermal Input Hp	1.28	17A25R56		R
		Output Torque (lb in.)	609	17A25LR56		LR
		Mechanical Output Hp	0.68	17A25H56		HOLLOW
		Output OHL (lbs.)	1190			
30	58	Mechanical Input Hp	0.76	17A30L56		L
		Thermal Input Hp	1.20	17A30R56		R
		Output Torque (lb in.)	615	17A30LR56		LR
		Mechanical Output Hp	0.57	17A30H56		HOLLOW
		Output OHL (lbs.)	1190			
40	44	Mechanical Input Hp	0.60	17A40L56		L
		Thermal Input Hp	1.09	17A40R56		R
		Output Torque (lb in.)	627	17A40LR56		LR
		Mechanical Output Hp	0.43	17A40H56		HOLLOW
		Output OHL (lbs.)	1190			
50	35	Mechanical Input Hp	0.51	17A50L56		L
		Thermal Input Hp	0.90	17A50R56		R
		Output Torque (lb in.)	608	17A50LR56		LR
		Mechanical Output Hp	0.34	17A50H56		HOLLOW
		Output OHL (lbs.)	1190			
60	29	Mechanical Input Hp	0.43	17A60L56		L
		Thermal Input Hp	0.80	17A60R56		R
		Output Torque (lb in.)	576	17A60LR56		LR
		Mechanical Output Hp	0.27	17A60H56		HOLLOW
		Output OHL (lbs.)	1190			

Note: Reducers are shipped without a mounting base. Order bolt-on base kit **17BASE** if required.

Refer to page G4-118 for hollow bore bushing selections

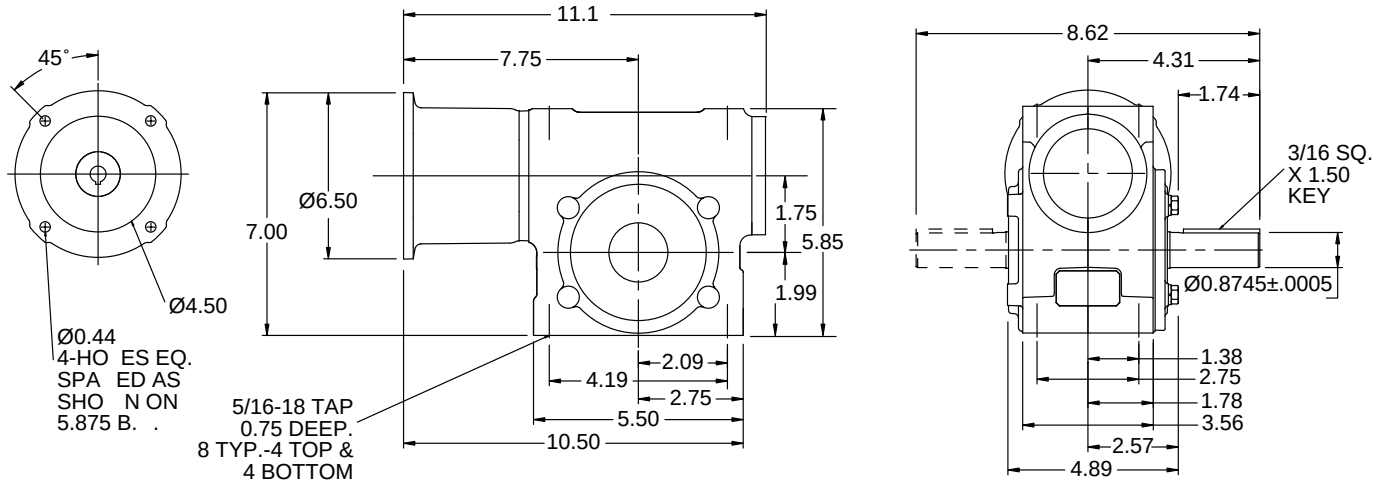
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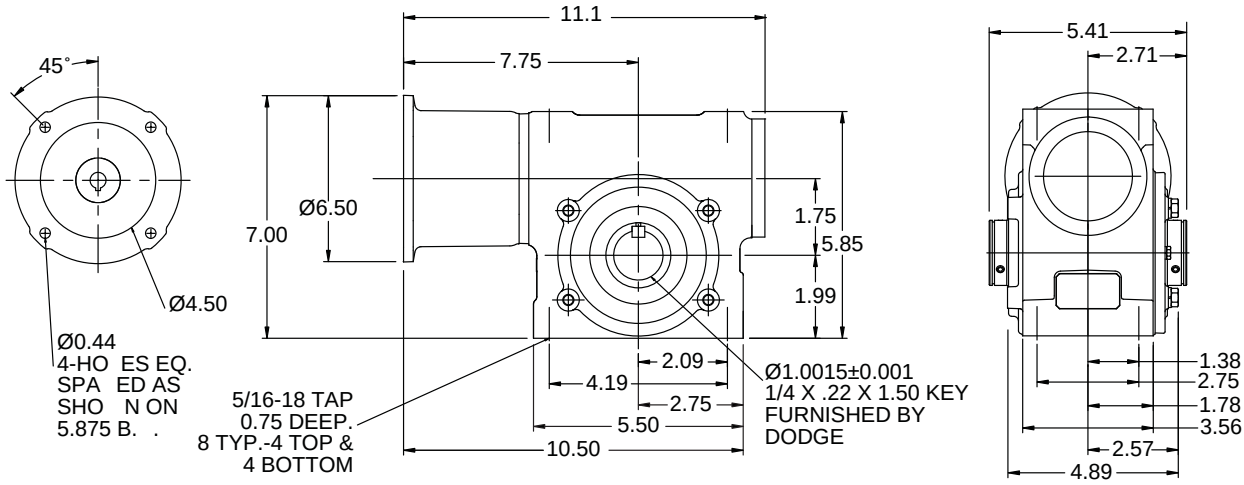
RATINGS/DIMENSIONS

TIGEAR-2 Reducers With 3-Piece Coupled Input - Size 17

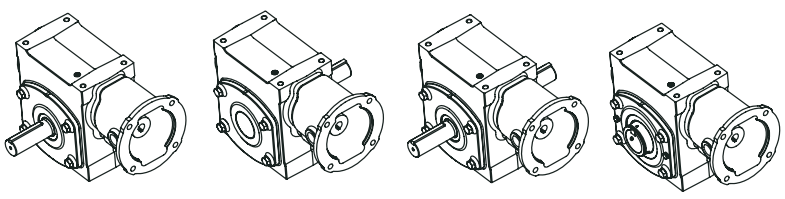
SOLID OUTPUT



HOLLOW OUTPUT



OUTPUT SHAFT CONFIGURATIONS



L R LR H

FEATURES/BENEFITS PAGE G4-2	SPECIFICATION PAGE G4-8	NOMENCLATURE PAGE G4-9	RATINGS/DIMENSIONS PAGE G4-16

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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With Quill Input - Size 176

SIZE 17 WITH 1: EXTENDED LENGTH Output SHAFT

Motor Frame	Shaft Position	Ratio									
		5	7.5	10	15	20	25	30	40	50	60
56C	L	176Q05L56	176Q07L56	176Q10L56	176Q15L56	176Q20L56	176Q25L56	176Q30L56	176Q40L56	176Q50L56	176Q60L56
	R	176Q05R56	176Q07R56	176Q10R56	176Q15R56	176Q20R56	176Q25R56	176Q30R56	176Q40R56	176Q50R56	176Q60R56
140TC	L	176Q05L14	176Q07L14	176Q10L14	176Q15L14	176Q20L14					
	R	176Q05R14	176Q07R14	176Q10R14	176Q15R14	176Q20R14					

Note: Reducers are shipped without a mounting base. Order bolt-on base kit **17BASE** if required

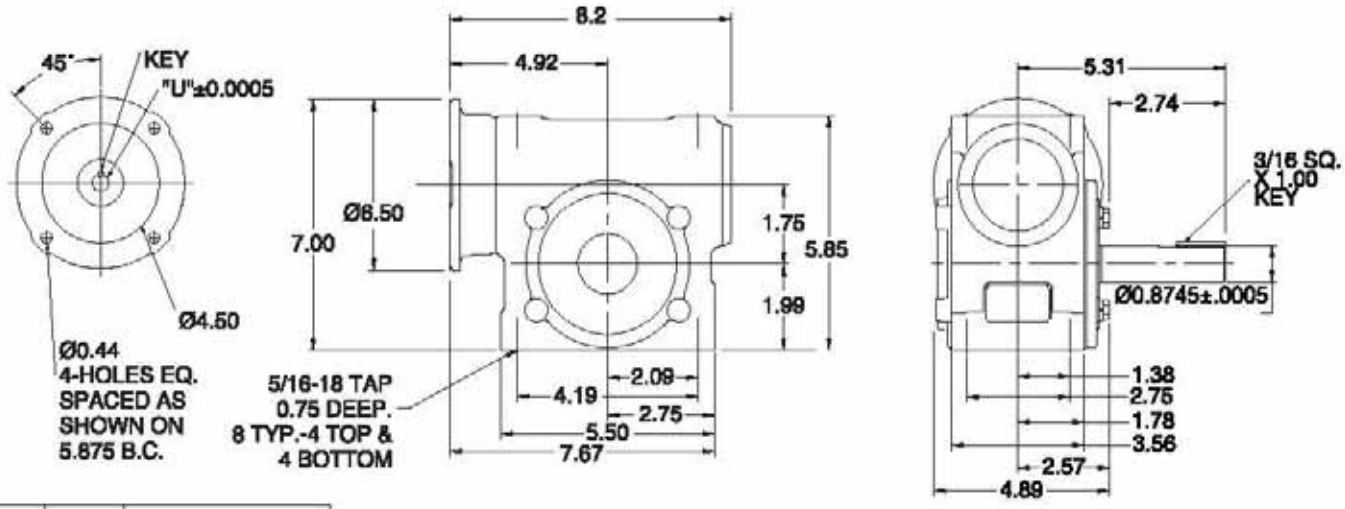
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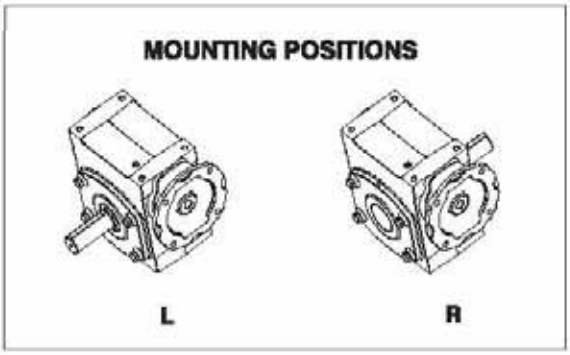
TIGEAR-2 Reducers With Quill Input - Size 176

SIZE 17 WITH 1: EXTENDED LENGTH Output SHAFT

SOLID OUTPUT



MOTOR FRAME	"U"	KEY
48Y 56C	.626	3/16 SQ. x 1.50 KEY
140TC 160ATC	.876	3/16 SQ x 1.50 KEY



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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With Quill Input - Size 20

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Part Number 140TC	Shaft Position
4	438	Available Upon Request				
5	350	Mechanical Input Hp	3.47	20Q05L56	20Q05L14	L
		Thermal Input Hp	4.9	20Q05R56	20Q05R14	R
		Output Torque (lb in.)	581	20Q05LR56	20Q05LR14	LR
		Mechanical Output Hp	3.23	20Q05H56	20Q05H14	HOLLOW
		Output OHL (lbs.)	1380	20Q05HA56	20Q05HA14	HOLLOW ALT.
7.5	233	Mechanical Input Hp	2.78	20Q07L56	20Q07L14	L
		Thermal Input Hp	4.15	20Q07R56	20Q07R14	R
		Output Torque (lb in.)	678	20Q07LR56	20Q07LR14	LR
		Mechanical Output Hp	2.54	20Q07H56	20Q07H14	HOLLOW
		Output OHL (lbs.)	1560	20Q07HA56	20Q07HA14	HOLLOW ALT.
10	175	Mechanical Input Hp	2.25	20Q10L56	20Q10L14	L
		Thermal Input Hp	3.25	20Q10R56	20Q10R14	R
		Output Torque (lb in.)	725	20Q10LR56	20Q10LR14	LR
		Mechanical Output Hp	2.01	20Q10H56	20Q10H14	HOLLOW
		Output OHL (lbs.)	1560	20Q10HA56	20Q10HA14	HOLLOW ALT.
12.7	138	Mechanical Input Hp	1.9	20Q12L56	20Q12L14	L
		Thermal Input Hp	2.83	20Q12R56	20Q12R14	R
		Output Torque (lb in.)	770	20Q12LR56	20Q12LR14	LR
		Mechanical Output Hp	1.69	20Q12H56	20Q12H14	HOLLOW
		Output OHL (lbs.)	1560	20Q12HA56	20Q12HA14	HOLLOW ALT.
15	117	Mechanical Input Hp	1.69	20Q15L56	20Q15L14	L
		Thermal Input Hp	2.52	20Q15R56	20Q15R14	R
		Output Torque (lb in.)	790	20Q15LR56	20Q15LR14	LR
		Mechanical Output Hp	1.46	20Q15H56	20Q15H14	HOLLOW
		Output OHL (lbs.)	1560	20Q15HA56	20Q15HA14	HOLLOW ALT.
18	97	Mechanical Input Hp	1.46	20Q18L56	20Q18L14	L
		Thermal Input Hp	2.12	20Q18R56	20Q18R14	R
		Output Torque (lb in.)	795	20Q18LR56	20Q18LR14	LR
		Mechanical Output Hp	1.23	20Q18H56	20Q18H14	HOLLOW
		Output OHL (lbs.)	1560	20Q18HA56	20Q18HA14	HOLLOW ALT.
20	88	Mechanical Input Hp	1.34	20Q20L56	20Q20L14	L
		Thermal Input Hp	1.99	20Q20R56	20Q20R14	R
		Output Torque (lb in.)	796	20Q20LR56	20Q20LR14	LR
		Mechanical Output Hp	1.11	20Q20H56	20Q20H14	HOLLOW
		Output OHL (lbs.)	1560	20Q20HA56	20Q20HA14	HOLLOW ALT.
25	70	Mechanical Input Hp	1.11	20Q25L56	20Q25L14	L
		Thermal Input Hp	1.59	20Q25R56	20Q25R14	R
		Output Torque (lb in.)	788	20Q25LR56	20Q25LR14	LR
		Mechanical Output Hp	0.88	20Q25H56	20Q25H14	HOLLOW
		Output OHL (lbs.)	1560	20Q25HA56	20Q25HA14	HOLLOW ALT.
30	58	Mechanical Input Hp	0.96	20Q30L56		L
		Thermal Input Hp	1.49	20Q30R56		R
		Output Torque (lb in.)	802	20Q30LR56		LR
		Mechanical Output Hp	0.74	20Q30H56		HOLLOW
		Output OHL (lbs.)	1560	20Q30HA56		HOLLOW ALT.
40	44	Mechanical Input Hp	0.76	20Q40L56		L
		Thermal Input Hp	1.29	20Q40R56		R
		Output Torque (lb in.)	801	20Q40LR56		LR
		Mechanical Output Hp	0.56	20Q40H56		HOLLOW
		Output OHL (lbs.)	1560	20Q40HA56		HOLLOW ALT.
50	35	Mechanical Input Hp	0.64	20Q50L56		L
		Thermal Input Hp	1.09	20Q50R56		R
		Output Torque (lb in.)	787	20Q50LR56		LR
		Mechanical Output Hp	0.44	20Q50H56		HOLLOW
		Output OHL (lbs.)	1560	20Q50HA56		HOLLOW ALT.
60	29	Mechanical Input Hp	0.56	20Q60L56		L
		Thermal Input Hp	0.96	20Q60R56		R
		Output Torque (lb in.)	767	20Q60LR56		LR
		Mechanical Output Hp	0.36	20Q60H56		HOLLOW
		Output OHL (lbs.)	1560	20Q60HA56		HOLLOW ALT.

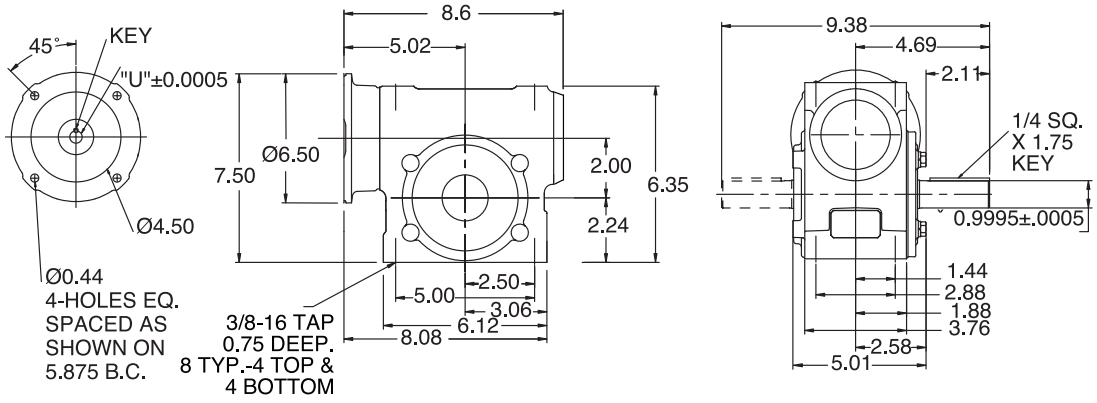
Note: Reducers are shipped without a mounting base. Order bolt-on base kit 20BASE if required.
Refer to page G4-118 for hollow bore bushing selections

FEATURES/BENEFITS PAGE G4-2	SPECIFICATION PAGE G4-8	NOMENCLATURE PAGE G4-9	WASHDOWN PRODUCT PAGE G4-80

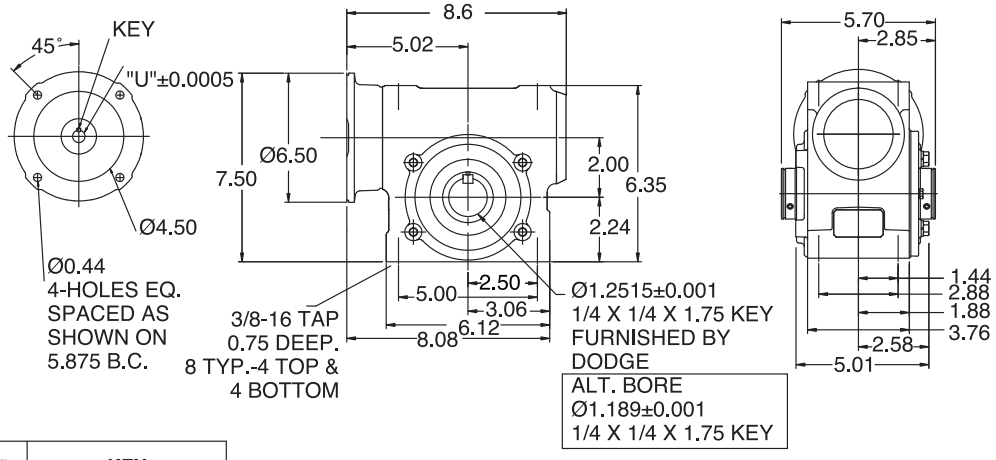
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TIGEAR-2 Reducers With Quill Input - Size 20

SOLID OUTPUT

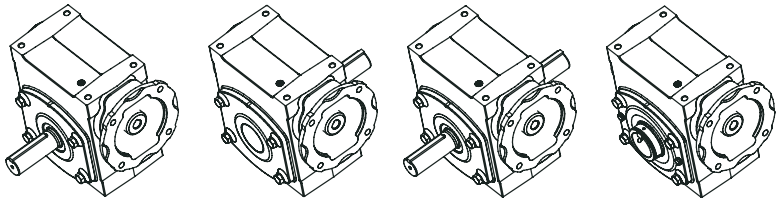


HOLLOW OUTPUT



MOTOR FRAME	"U"	KEY
48Y 56C	.626	3/16 SQ. x 1.50 KEY
140TC 160ATC	.876	3/16 SQ x 1.50 KEY

OUTPUT SHAFT CONFIGURATIONS



L R LR H

Gearing Reference Guide
TORQUE-ARM II
TORQUE-ARM
MAXUM
TIGEAR-2

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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With Separate Input - Size 20

Ratio	Output RPM	Rating Data 1750 Input RPM		Separate Reducer	Shaft Position	Optional Motor Adapter Kit 56C	Optional Motor Adapter Kit 140TC
4	438	Available Upon Request					
5	350	Mechanical Input Hp Thermal Input Hp Output Torque (lb in.) Mechanical Output Hp Output OHL (lbs.)	3.47 4.9 581 3.23 1380	**20S05L** **20S05R** **20S05LR** **20S05H** **20S05HA**	L R LR HOLLOW HOLLOW ALT.	**1720MTR56**	**1720MTR14**
7.5	233	Mechanical Input Hp Thermal Input Hp Output Torque (lb in.) Mechanical Output Hp Output OHL (lbs.)	2.78 4.15 678 2.54 1560	**20S07L** **20S07R** **20S07LR** **20S07H** **20S07HA**	L R LR HOLLOW HOLLOW ALT.	**1720MTR56**	**1720MTR14**
10	175	Mechanical Input Hp Thermal Input Hp Output Torque (lb in.) Mechanical Output Hp Output OHL (lbs.)	2.25 3.25 725 2.01 1560	**20S10L** **20S10R** **20S10LR** **20S10H** **20S10HA**	L R LR HOLLOW HOLLOW ALT.	**1720MTR56**	**1720MTR14**
12.7	138	Mechanical Input Hp Thermal Input Hp Output Torque (lb in.) Mechanical Output Hp Output OHL (lbs.)	1.9 2.83 770 1.69 1560	**20S12L** **20S12R** **20S12LR** **20S12H** **20S12HA**	L R LR HOLLOW HOLLOW ALT.	**1720MTR56**	**1720MTR14**
15	117	Mechanical Input Hp Thermal Input Hp Output Torque (lb in.) Mechanical Output Hp Output OHL (lbs.)	1.69 2.52 790 1.46 1560	**20S15L** **20S15R** **20S15LR** **20S15H** **20S15HA**	L R LR HOLLOW HOLLOW ALT.	**1720MTR56**	**1720MTR14**
18	97	Mechanical Input Hp Thermal Input Hp Output Torque (lb in.) Mechanical Output Hp Output OHL (lbs.)	1.46 2.12 795 1.23 1560	**20S18L** **20S18R** **20S18LR** **20S18H** **20S18HA**	L R LR HOLLOW HOLLOW ALT.	**1720MTR56**	**1720MTR14**
20	88	Mechanical Input Hp Thermal Input Hp Output Torque (lb in.) Mechanical Output Hp Output OHL (lbs.)	1.34 1.99 796 1.11 1560	**20S20L** **20S20R** **20S20LR** **20S20H** **20S20HA**	L R LR HOLLOW HOLLOW ALT.	**1720MTR56**	**1720MTR14**
25	70	Mechanical Input Hp Thermal Input Hp Output Torque (lb in.) Mechanical Output Hp Output OHL (lbs.)	1.11 1.59 788 0.88 1560	**20S25L** **20S25R** **20S25LR** **20S25H** **20S25HA**	L R LR HOLLOW HOLLOW ALT.	**1720MTR56**	**1720MTR14**
30	58	Mechanical Input Hp Thermal Input Hp Output Torque (lb in.) Mechanical Output Hp Output OHL (lbs.)	0.96 1.49 802 0.74 1560	**20S30L** **20S30R** **20S30LR** **20S30H** **20S30HA**	L R LR HOLLOW HOLLOW ALT.	**1720MTR56**	
40	44	Mechanical Input Hp Thermal Input Hp Output Torque (lb in.) Mechanical Output Hp Output OHL (lbs.)	0.76 1.29 801 0.56 1560	**20S40L** **20S40R** **20S40LR** **20S40H** **20S40HA**	L R LR HOLLOW HOLLOW ALT.	**1720MTR56**	
50	35	Mechanical Input Hp Thermal Input Hp Output Torque (lb in.) Mechanical Output Hp Output OHL (lbs.)	0.64 1.09 787 0.44 1560	**20S50L** **20S50R** **20S50LR** **20S50H** **20S50HA**	L R LR HOLLOW HOLLOW ALT.	**1720MTR56**	
60	29	Mechanical Input Hp Thermal Input Hp Output Torque (lb in.) Mechanical Output Hp Output OHL (lbs.)	0.56 0.96 767 0.36 1560	**20S60L** **20S60R** **20S60LR** **20S60H** **20S60HA**	L R LR HOLLOW HOLLOW ALT.	**1720MTR56**	
All Ratios		Input OHL (lbs)	200	**One diameter from seal surface**			

Note: TIGEAR-2 separate reducers cannot be used with the old Adaptable TIGEAR motor adapter kits.
Refer to page G4-118 for hollow bore bushing selections

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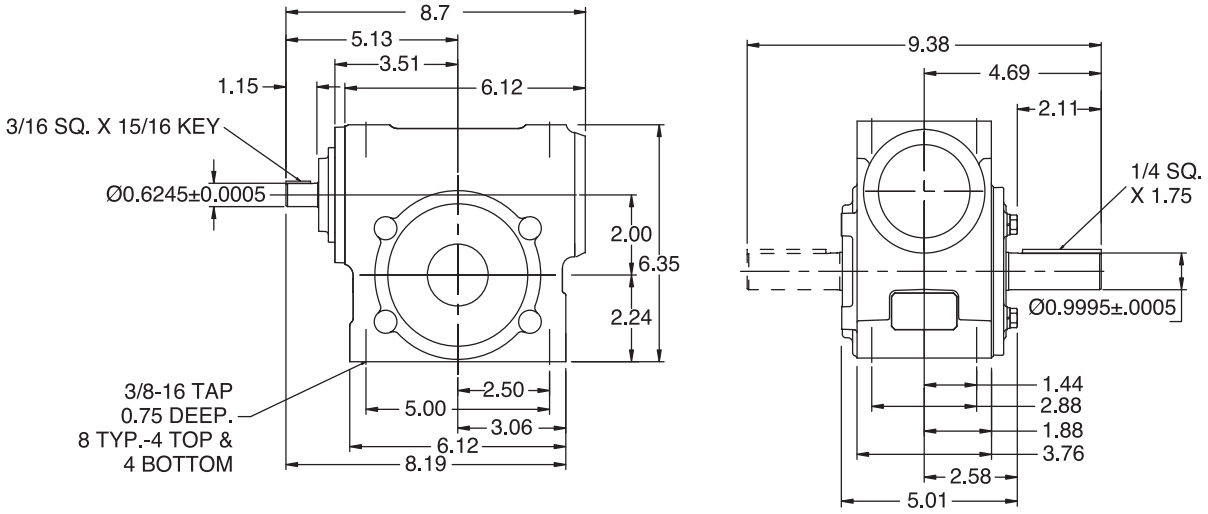
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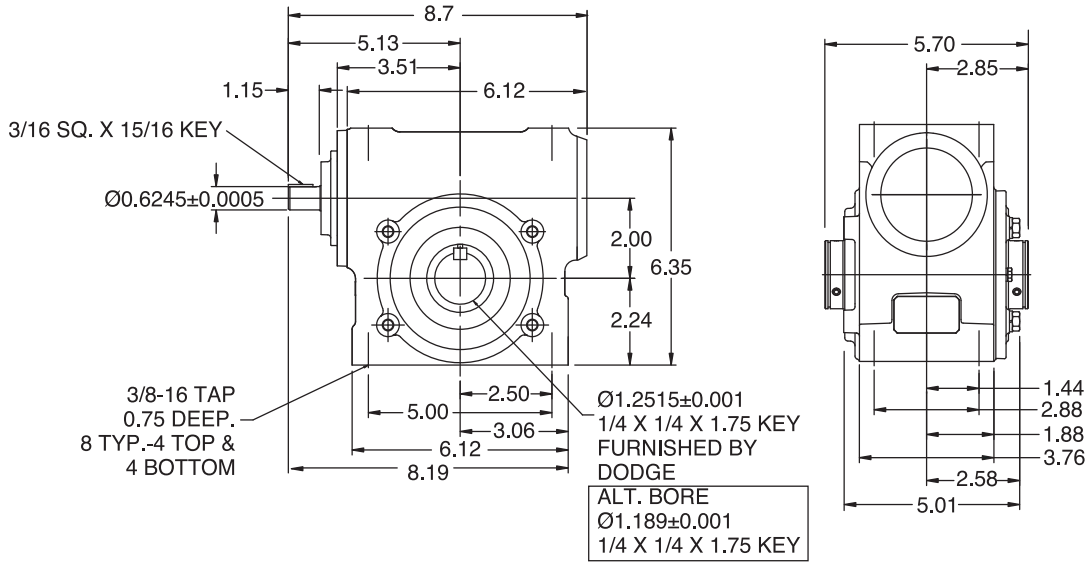
RATINGS/DIMENSIONS

TIGEAR-2 Reducers With Separate Input - Size 20

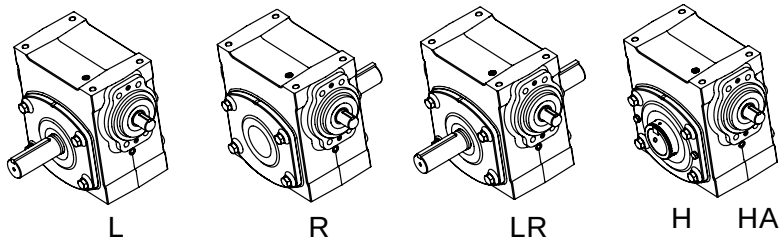
SOLID OUTPUT



HOLLOW OUTPUT



OUTPUT SHAFT CONFIGURATIONS



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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With 3-Piece Coupled Input - Size 20

3-Piece Coupled units include a Separate reducer, 3-piece coupling and motor adapter housing assembled together.
These assemblies are normally "made to order" with a 5 day standard lead time.

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Part Number 140TC	Shaft Position
4	**438**	Available Upon Request				
5	**350**	Mechanical Input Hp	3.47	**20A05L56**	**20A05L14**	L
		Thermal Input Hp	4.90	**20A05R56**	**20A05R14**	R
		Output Torque (lb in.)	581	**20A05LR56**	**20A05LR14**	LR
		Mechanical Output Hp	3.23	**20A05H56**	**20A05H14**	HOLLOW
		Output OHL (lbs.)	1380	**20A05HA56**	**20A05HA14**	HOLLOW ALT.
7.5	**233**	Mechanical Input Hp	2.78	**20A07L56**	**20A07L14**	L
		Thermal Input Hp	4.15	**20A07R56**	**20A07R14**	R
		Output Torque (lb in.)	678	**20A07LR56**	**20A07LR14**	LR
		Mechanical Output Hp	2.54	**20A07H56**	**20A07H14**	HOLLOW
		Output OHL (lbs.)	1560	**20A07HA56**	**20A07HA14**	HOLLOW ALT.
10	**175**	Mechanical Input Hp	2.25	**20A10L56**	**20A10L14**	L
		Thermal Input Hp	3.25	**20A10R56**	**20A10R14**	R
		Output Torque (lb in.)	725	**20A10LR56**	**20A10LR14**	LR
		Mechanical Output Hp	2.01	**20A10H56**	**20A10H14**	HOLLOW
		Output OHL (lbs.)	1560	**20A10HA56**	**20A10HA14**	HOLLOW ALT.
12.7	**138**	Mechanical Input Hp	1.90	**20A12L56**	**20A12L14**	L
		Thermal Input Hp	2.83	**20A12R56**	**20A12R14**	R
		Output Torque (lb in.)	770	**20A12LR56**	**20A12LR14**	LR
		Mechanical Output Hp	1.69	**20A12H56**	**20A12H14**	HOLLOW
		Output OHL (lbs.)	1560	**20A12HA56**	**20A12HA14**	HOLLOW ALT.
15	**117**	Mechanical Input Hp	1.69	**20A15L56**	**20A15L14**	L
		Thermal Input Hp	2.52	**20A15R56**	**20A15R14**	R
		Output Torque (lb in.)	790	**20A15LR56**	**20A15LR14**	LR
		Mechanical Output Hp	1.46	**20A15H56**	**20A15H14**	HOLLOW
		Output OHL (lbs.)	1560	**20A15HA56**	**20A15HA14**	HOLLOW ALT.
18	**97**	Mechanical Input Hp	1.46	**20A18L56**	**20A18L14**	L
		Thermal Input Hp	2.12	**20A18R56**	**20A18R14**	R
		Output Torque (lb in.)	795	**20A18LR56**	**20A18LR14**	LR
		Mechanical Output Hp	1.23	**20A18H56**	**20A18H14**	HOLLOW
		Output OHL (lbs.)	1560	**20A18HA56**	**20A18HA14**	HOLLOW ALT.
20	**88**	Mechanical Input Hp	1.34	**20A20L56**	**20A20L14**	L
		Thermal Input Hp	1.99	**20A20R56**	**20A20R14**	R
		Output Torque (lb in.)	796	**20A20LR56**	**20A20LR14**	LR
		Mechanical Output Hp	1.11	**20A20H56**	**20A20H14**	HOLLOW
		Output OHL (lbs.)	1560	**20A20HA56**	**20A20HA14**	HOLLOW ALT.
25	**70**	Mechanical Input Hp	1.11	**20A25L56**	**20A25L14**	L
		Thermal Input Hp	1.59	**20A25R56**	**20A25R14**	R
		Output Torque (lb in.)	788	**20A25LR56**	**20A25LR14**	LR
		Mechanical Output Hp	0.88	**20A25H56**	**20A25H14**	HOLLOW
		Output OHL (lbs.)	1560	**20A25HA56**	**20A25HA14**	HOLLOW ALT.
30	**58**	Mechanical Input Hp	0.96	**20A30L56**		L
		Thermal Input Hp	1.49	**20A30R56**		R
		Output Torque (lb in.)	802	**20A30LR56**		LR
		Mechanical Output Hp	0.74	**20A30H56**		HOLLOW
		Output OHL (lbs.)	1560	**20A30HA56**		HOLLOW ALT.
40	**44**	Mechanical Input Hp	0.76	**20A40L56**		L
		Thermal Input Hp	1.29	**20A40R56**		R
		Output Torque (lb in.)	801	**20A40LR56**		LR
		Mechanical Output Hp	0.56	**20A40H56**		HOLLOW
		Output OHL (lbs.)	1560	**20A40HA56**		HOLLOW ALT.
50	**35**	Mechanical Input Hp	0.64	**20A50L56**		L
		Thermal Input Hp	1.09	**20A50R56**		R
		Output Torque (lb in.)	787	**20A50LR56**		LR
		Mechanical Output Hp	0.44	**20A50H56**		HOLLOW
		Output OHL (lbs.)	1560	**20A50HA56**		HOLLOW ALT.
60	**29**	Mechanical Input Hp	0.56	**20A60L56**		L
		Thermal Input Hp	0.96	**20A60R56**		R
		Output Torque (lb in.)	767	**20A60LR56**		LR
		Mechanical Output Hp	0.36	**20A60H56**		HOLLOW
		Output OHL (lbs.)	1560	**20A60HA56**		HOLLOW ALT.

Note: Reducers are shipped without a mounting base. Order bolt-on base kit **20BASE** if required.
Refer to page G4-118 for hollow bore bushing selections

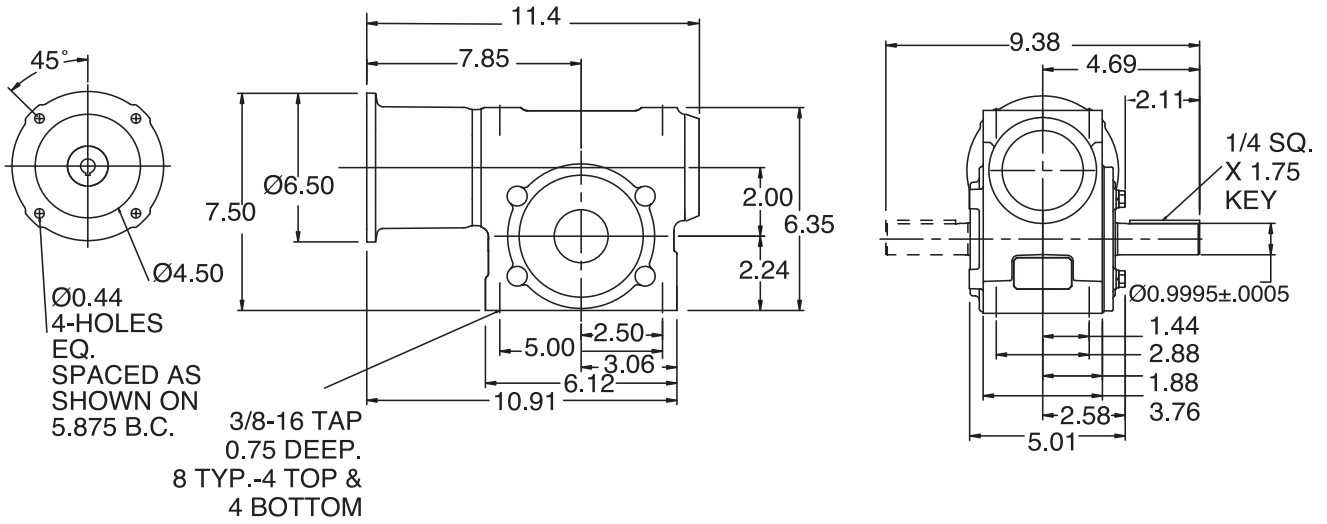
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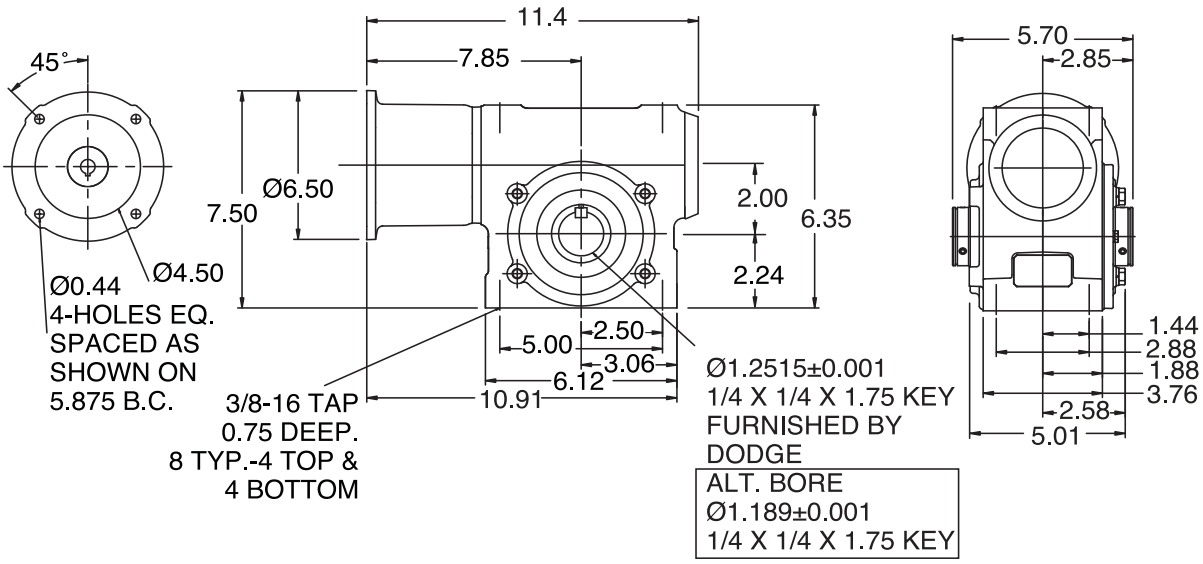


TIGEAR-2 Reducers With 3-Piece Coupled Input - Size 20

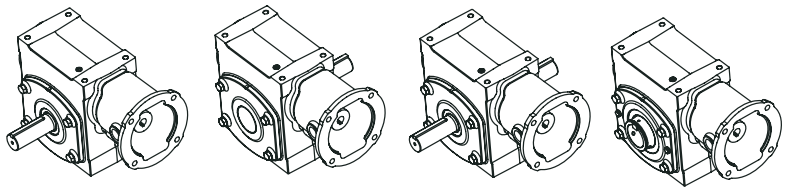
SOLID OUTPUT



HOLLOW OUTPUT



OUTPUT SHAFT CONFIGURATIONS



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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With Quill Input - Size 202

SIZE 20 WITH 2” EXTENDED LENGTH Output SHAFT

Motor Frame	Shaft Position	Ratio									
		5	7.5	10	15	20	25	30	40	50	60
56C	L	202Q05L56	202Q07L56	202Q10L56	202Q15L56	202Q20L56	202Q25L56	202Q30L56	202Q40L56	202Q50L56	202Q60L56
	R	202Q05R56	202Q07R56	202Q10R56	202Q15R56	202Q20R56	202Q25R56	202Q30R56	202Q40R56	202Q50R56	202Q60R56
140TC	L	202Q05L14	202Q07L14	202Q10L14	202Q15L14	202Q20L14	202Q25L14				
	R	202Q05R14	202Q07R14	202Q10R14	202Q15R14	202Q20R14	202Q25R14				

Note: Reducers are shipped without a mounting base. Order bolt-on base kit **20BASE** if required

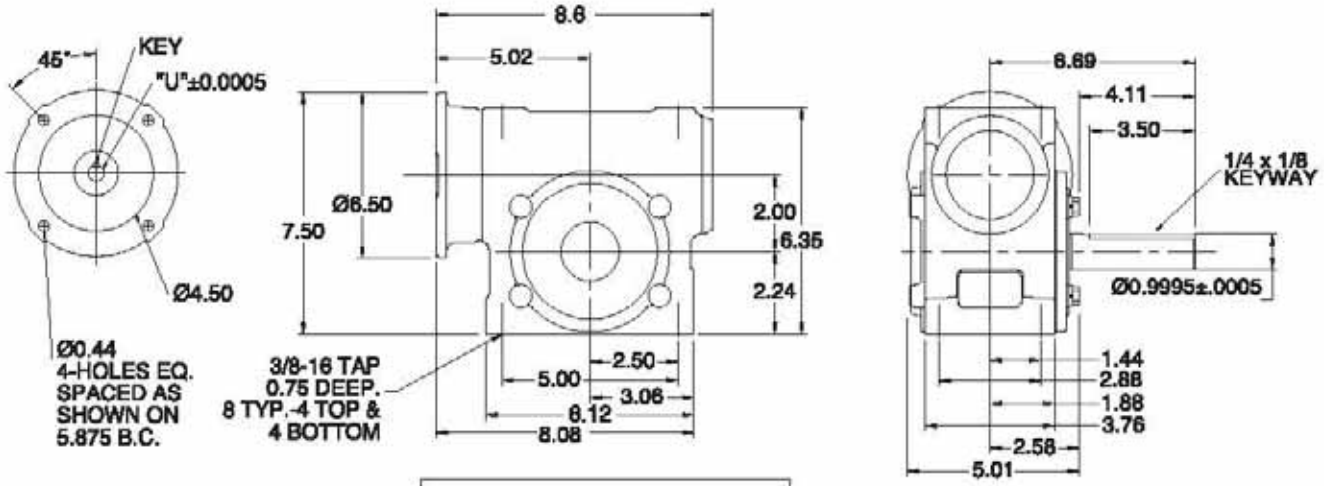
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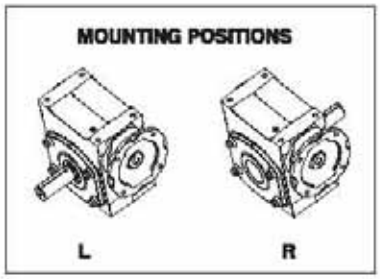
TIGEAR-2 Reducers With Quill Input - Size 202

SIZE 20 WITH 2” EXTENDED LENGTH Output SHAFT

SOLID OUTPUT



MOTOR FRAME	"U"	KEY
48Y 56C	.626	3/16 SQ. x 1.50 KEY
140TC 180ATC	.876	3/16 SQ x 1.50 KEY



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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With Quill Input - Size 23

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	140TC	180TC	Shaft Position
4	438	Available Upon Request					
5	350	Mechanical Input Hp	5.25	23Q05L56	23Q05L14	23Q05L18	L
		Thermal Input Hp	6.61	23Q05R56	23Q05R14	23Q05R18	R
		Output Torque (lb in.)	881	23Q05LR56	23Q05LR14	23Q05LR18	LR
		Mechanical Output Hp	4.89	23Q05H56	23Q05H14	23Q05H18	HOLLOW
		Output OHL (lbs.)	1330	23Q05HA56	23Q05HA14	23Q05HA18	HOLLOW ALT.
7.5	233	Mechanical Input Hp	4.18	23Q07L56	23Q07L14	23Q07L18	L
		Thermal Input Hp	5.64	23Q07R56	23Q07R14	23Q07R18	R
		Output Torque (lb in.)	1026	23Q07LR56	23Q07LR14	23Q07LR18	LR
		Mechanical Output Hp	3.85	23Q07H56	23Q07H14	23Q07H18	HOLLOW
		Output OHL (lbs.)	1520	23Q07HA56	23Q07HA14	23Q07HA18	HOLLOW ALT.
10	175	Mechanical Input Hp	3.42	23Q10L56	23Q10L14	23Q10L18	L
		Thermal Input Hp	4.40	23Q10R56	23Q10R14	23Q10R18	R
		Output Torque (lb in.)	1106	23Q10LR56	23Q10LR14	23Q10LR18	LR
		Mechanical Output Hp	3.07	23Q10H56	23Q10H14	23Q10H18	HOLLOW
		Output OHL (lbs.)	1610	23Q10HA56	23Q10HA14	23Q10HA18	HOLLOW ALT.
12.7	138	Mechanical Input Hp	2.91	23Q12L56	23Q12L14	23Q12L18	L
		Thermal Input Hp	3.78	23Q12R56	23Q12R14	23Q12R18	R
		Output Torque (lb in.)	1170	23Q12LR56	23Q12LR14	23Q12LR18	LR
		Mechanical Output Hp	2.56	23Q12H56	23Q12H14	23Q12H18	HOLLOW
		Output OHL (lbs.)	1610	23Q12HA56	23Q12HA14	23Q12HA18	HOLLOW ALT.
15	117	Mechanical Input Hp	2.57	23Q15L56	23Q15L14		L
		Thermal Input Hp	3.30	23Q15R56	23Q15R14		R
		Output Torque (lb in.)	1199	23Q15LR56	23Q15LR14		LR
		Mechanical Output Hp	2.22	23Q15H56	23Q15H14		HOLLOW
		Output OHL (lbs.)	1610	23Q15HA56	23Q15HA14		HOLLOW ALT.
20	88	Mechanical Input Hp	2.00	23Q20L56	23Q20L14		L
		Thermal Input Hp	2.62	23Q20R56	23Q20R14		R
		Output Torque (lb in.)	1178	23Q20LR56	23Q20LR14		LR
		Mechanical Output Hp	1.64	23Q20H56	23Q20H14		HOLLOW
		Output OHL (lbs.)	1610	23Q20HA56	23Q20HA14		HOLLOW ALT.
25	70	Mechanical Input Hp	1.65	23Q25L56	23Q25L14		L
		Thermal Input Hp	2.16	23Q25R56	23Q25R14		R
		Output Torque (lb in.)	1184	23Q25LR56	23Q25LR14		LR
		Mechanical Output Hp	1.32	23Q25H56	23Q25H14		HOLLOW
		Output OHL (lbs.)	1610	23Q25HA56	23Q25HA14		HOLLOW ALT.
30	58	Mechanical Input Hp	1.42	23Q30L56	23Q30L14		L
		Thermal Input Hp	2.06	23Q30R56	23Q30R14		R
		Output Torque (lb in.)	1201	23Q30LR56	23Q30LR14		LR
		Mechanical Output Hp	1.11	23Q30H56	23Q30H14		HOLLOW
		Output OHL (lbs.)	1610	23Q30HA56	23Q30HA14		HOLLOW ALT.
40	44	Mechanical Input Hp	1.11	23Q40L56	23Q40L14		L
		Thermal Input Hp	1.73	23Q40R56	23Q40R14		R
		Output Torque (lb in.)	1193	23Q40LR56	23Q40LR14		LR
		Mechanical Output Hp	0.83	23Q40H56	23Q40H14		HOLLOW
		Output OHL (lbs.)	1610	23Q40HA56	23Q40HA14		HOLLOW ALT.
50	35	Mechanical Input Hp	0.95	23Q50L56			L
		Thermal Input Hp	1.42	23Q50R56			R
		Output Torque (lb in.)	1182	23Q50LR56			LR
		Mechanical Output Hp	0.66	23Q50H56			HOLLOW
		Output OHL (lbs.)	1610	23Q50HA56			HOLLOW ALT.
60	29	Mechanical Input Hp	0.80	23Q60L56			L
		Thermal Input Hp	1.24	23Q60R56			R
		Output Torque (lb in.)	1111	23Q60LR56			LR
		Mechanical Output Hp	0.51	23Q60H56			HOLLOW
		Output OHL (lbs.)	1610	23Q60HA56			HOLLOW ALT.

Note: Reducers are shipped without a mounting base. Order bolt-on base kit **23BASE** if required.
Refer to page G4-118 for hollow bore bushing selections

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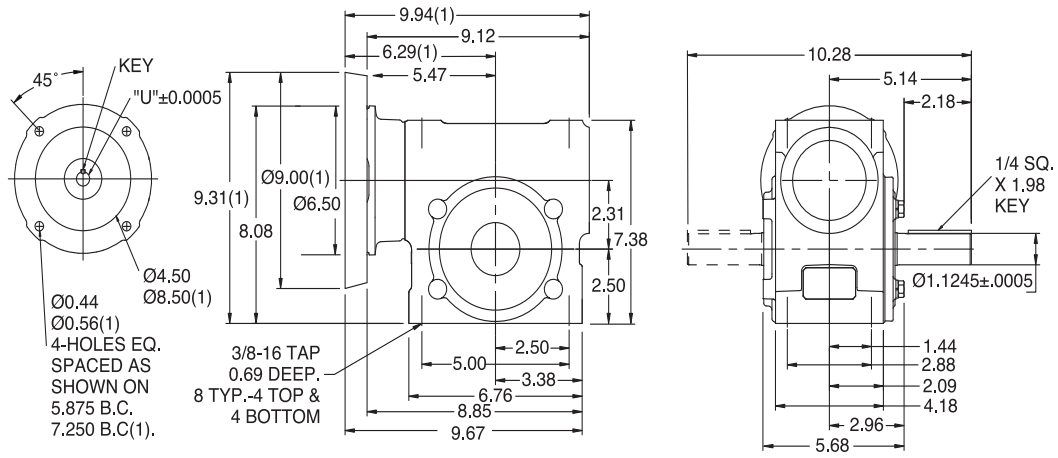
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RATINGS/DIMENSIONS

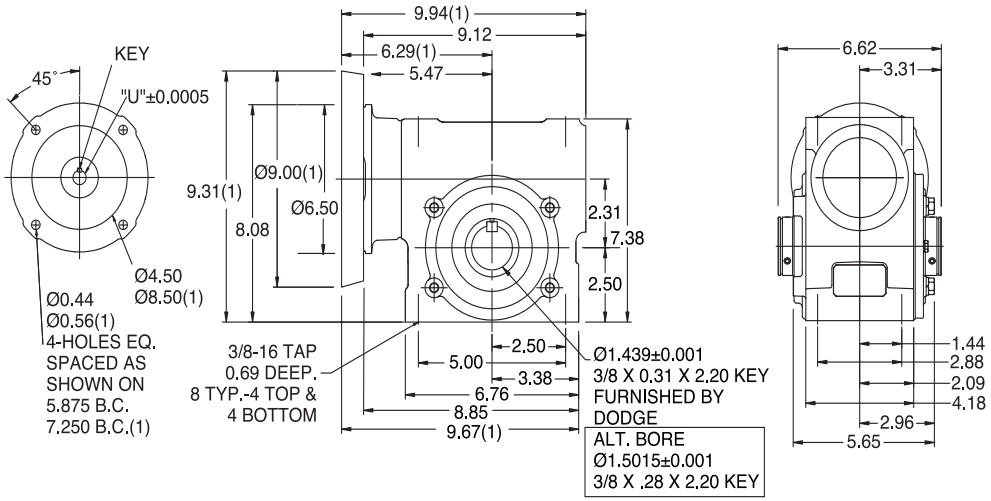
TIGEAR-2 Reducers With Quill Input - Size 23

SOLID OUTPUT



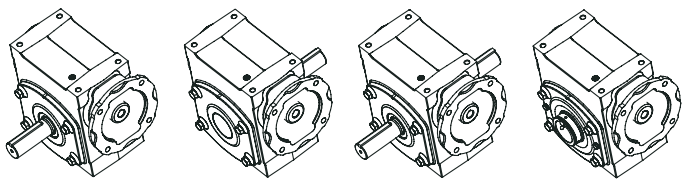
(1) DIMENSIONS APPLY TO 180 FRAME MOTOR ADAPTER

HOLLOW OUTPUT



MOTOR FRAME	"U"	KEY
48Y 56C	.6255	3/16 SQ. x 1.50 KEY
140TC 160ATC	.8755	3/16 SQ x 1.50 KEY
180TC 180ATC	1.1255	1/4 SQ x 2.00 KEY

OUTPUT SHAFT CONFIGURATIONS



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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With Separate Input - Size 23

Ratio	Output RPM	Rating Data 1750 Input RPM		Separate Reducer	Shaft Position	Optional Motor Adapter Kit 56C	140TC	180TC
4	438	Available Upon Request						
5	350	Mechanical Input Hp	5.25	23S05L	L	2330MTR56	2330MTR14	2330MTR18
		Thermal Input Hp	6.61	23S05R	R			
		Output Torque (lb in.)	881	23S05LR	LR			
		Mechanical Output Hp	4.89	23S05H	HOLLOW			
		Output OHL (lbs.)	1330	23S05HA	HOLLOW ALT.			
7.5	233	Mechanical Input Hp	4.18	23S07L	L	2330MTR56	2330MTR14	2330MTR18
		Thermal Input Hp	5.64	23S07R	R			
		Output Torque (lb in.)	1026	23S07LR	LR			
		Mechanical Output Hp	3.85	23S07H	HOLLOW			
		Output OHL (lbs.)	1520	23S07HA	HOLLOW ALT.			
10	175	Mechanical Input Hp	3.42	23S10L	L	2330MTR56	2330MTR14	2330MTR18
		Thermal Input Hp	4.4	23S10R	R			
		Output Torque (lb in.)	1106	23S10LR	LR			
		Mechanical Output Hp	3.07	23S10H	HOLLOW			
		Output OHL (lbs.)	1610	23S10HA	HOLLOW ALT.			
12.7	138	Mechanical Input Hp	2.91	23S12L	L	2330MTR56	2330MTR14	2330MTR18
		Thermal Input Hp	3.78	23S12R	R			
		Output Torque (lb in.)	1170	23S12LR	LR			
		Mechanical Output Hp	2.56	23S12H	HOLLOW			
		Output OHL (lbs.)	1610	23S12HA	HOLLOW ALT.			
15	117	Mechanical Input Hp	2.57	23S15L	L	2330MTR56	2330MTR14	
		Thermal Input Hp	3.3	23S15R	R			
		Output Torque (lb in.)	1199	23S15LR	LR			
		Mechanical Output Hp	2.22	23S15H	HOLLOW			
		Output OHL (lbs.)	1610	23S15HA	HOLLOW ALT.			
20	88	Mechanical Input Hp	2	23S20L	L	2330MTR56	2330MTR14	
		Thermal Input Hp	2.62	23S20R	R			
		Output Torque (lb in.)	1178	23S20LR	LR			
		Mechanical Output Hp	1.64	23S20H	HOLLOW			
		Output OHL (lbs.)	1610	23S20HA	HOLLOW ALT.			
25	70	Mechanical Input Hp	1.65	23S25L	L	2330MTR56	2330MTR14	
		Thermal Input Hp	2.16	23S25R	R			
		Output Torque (lb in.)	1184	23S25LR	LR			
		Mechanical Output Hp	1.32	23S25H	HOLLOW			
		Output OHL (lbs.)	1610	23S25HA	HOLLOW ALT.			
30	58	Mechanical Input Hp	1.42	23S30L	L	2330MTR56	2330MTR14	
		Thermal Input Hp	2.06	23S30R	R			
		Output Torque (lb in.)	1201	23S30LR	LR			
		Mechanical Output Hp	1.11	23S30H	HOLLOW			
		Output OHL (lbs.)	1610	23S30HA	HOLLOW ALT.			
40	44	Mechanical Input Hp	1.11	23S40L	L	2330MTR56	2330MTR14	
		Thermal Input Hp	1.73	23S40R	R			
		Output Torque (lb in.)	1193	23S40LR	LR			
		Mechanical Output Hp	0.83	23S40H	HOLLOW			
		Output OHL (lbs.)	1610	23S40HA	HOLLOW ALT.			
50	35	Mechanical Input Hp	0.95	23S50L	L	2330MTR56		
		Thermal Input Hp	1.42	23S50R	R			
		Output Torque (lb in.)	1182	23S50LR	LR			
		Mechanical Output Hp	0.66	23S50H	HOLLOW			
		Output OHL (lbs.)	1610	23S50HA	HOLLOW ALT.			
60	29	Mechanical Input Hp	0.8	23S60L	L	2330MTR56		
		Thermal Input Hp	1.24	23S60R	R			
		Output Torque (lb in.)	1111	23S60LR	LR			
		Mechanical Output Hp	0.51	23S60H	HOLLOW			
		Output OHL (lbs.)	1610	23S60HA	HOLLOW ALT.			
All Ratios		Input OHL (lbs)	200	One diameter from seal surface				

Note: TIGEAR-2 separate reducers cannot be used with the old Adaptable TIGEAR motor adapter kits.
Refer to page G4-118 for hollow bore bushing selections

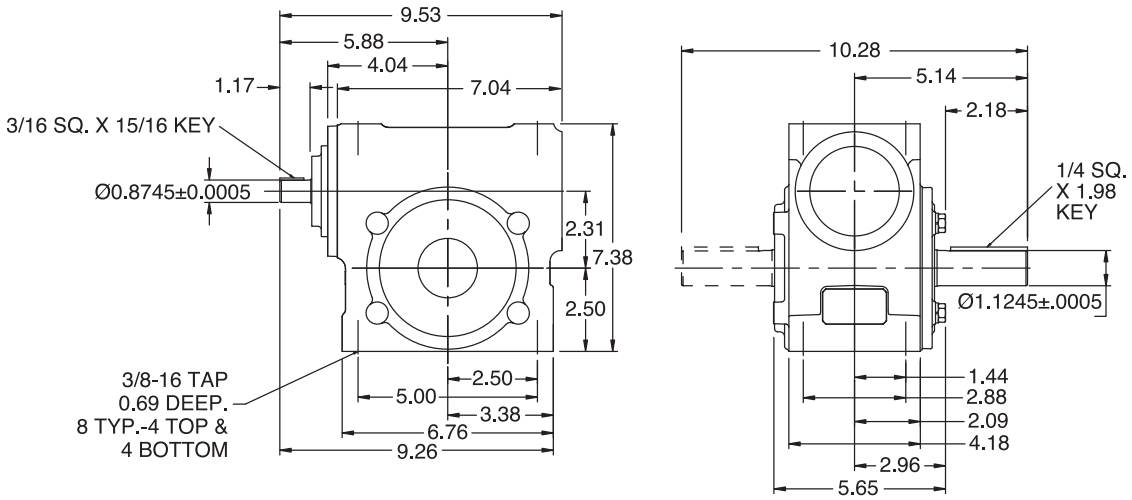
FEATURES/BENEFITS PAGE G4-2	SPECIFICATION PAGE G4-8	NOMENCLATURE PAGE G4-9	RATINGS/DIMENSIONS PAGE G4-16

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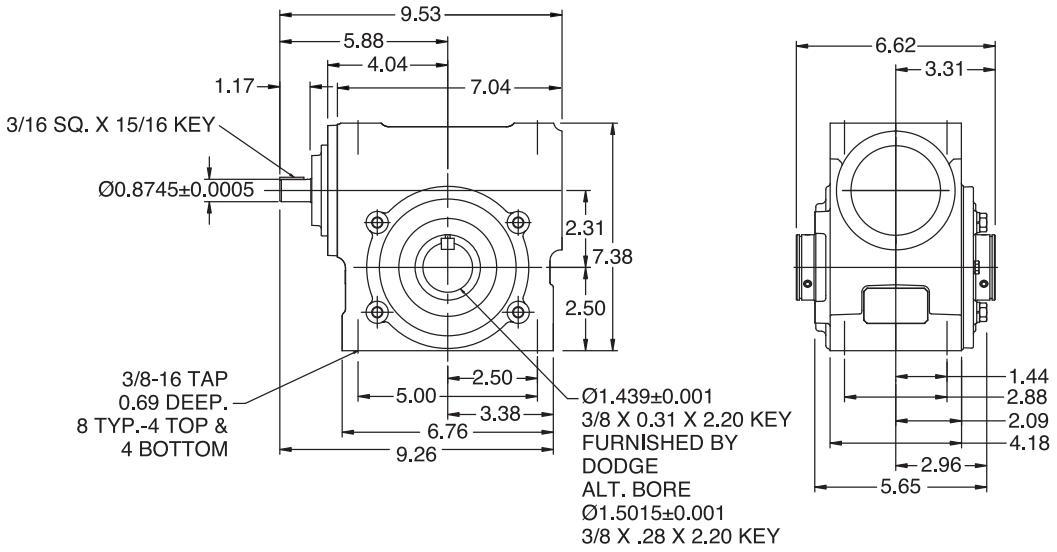


TIGEAR-2 Reducers With Separate Input - Size 23

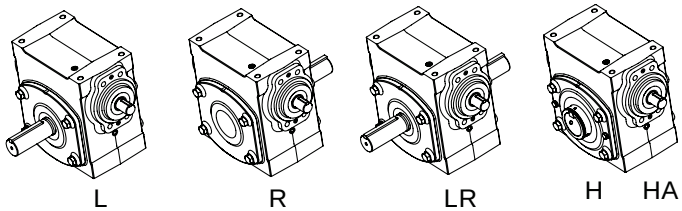
SOLID OUTPUT



HOLLOW OUTPUT



OUTPUT SHAFT CONFIGURATIONS



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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With 3-Piece Coupled Input - Size 23

3-Piece Coupled units include a Separate reducer, 3-piece coupling and motor adapter housing assembled together.
These assemblies are normally "made to order" with a 5 day standard lead time.

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Part Number 140TC	Part Number 180TC	Shaft Position
4	438	Available Upon Request					
5	350	Mechanical Input Hp	5.25	23A05L56	23A05L14	23A05L18	L
		Thermal Input Hp	6.61	23A05R56	23A05R14	23A05R18	R
		Output Torque (lb in.)	881	23A05LR56	23A05LR14	23A05LR18	LR
		Mechanical Output Hp	4.89	23A05H56	23A05H14	23A05H18	HOLLOW
		Output OHL (lbs.)	1330	23A05HA56	23A05HA14	23A05HA18	HOLLOW ALT.
7.5	233	Mechanical Input Hp	4.18	23A07L56	23A07L14	23A07L18	L
		Thermal Input Hp	5.64	23A07R56	23A07R14	23A07R18	R
		Output Torque (lb in.)	1026	23A07LR56	23A07LR14	23A07LR18	LR
		Mechanical Output Hp	3.85	23A07H56	23A07H14	23A07H18	HOLLOW
		Output OHL (lbs.)	1520	23A07HA56	23A07HA14	23A07HA18	HOLLOW ALT.
10	175	Mechanical Input Hp	3.42	23A10L56	23A10L14	23A10L18	L
		Thermal Input Hp	4.40	23A10R56	23A10R14	23A10R18	R
		Output Torque (lb in.)	1106	23A10LR56	23A10LR14	23A10LR18	LR
		Mechanical Output Hp	3.07	23A10H56	23A10H14	23A10H18	HOLLOW
		Output OHL (lbs.)	1610	23A10HA56	23A10HA14	23A10HA18	HOLLOW ALT.
12.7	138	Mechanical Input Hp	2.91	23A12L56	23A12L14	23A12L18	L
		Thermal Input Hp	3.78	23A12R56	23A12R14	23A12R18	R
		Output Torque (lb in.)	1170	23A12LR56	23A12LR14	23A12LR18	LR
		Mechanical Output Hp	2.56	23A12H56	23A12H14	23A12H18	HOLLOW
		Output OHL (lbs.)	1610	23A12HA56	23A12HA14	23A12HA18	HOLLOW ALT.
15	117	Mechanical Input Hp	2.57	23A15L56	23A15L14		L
		Thermal Input Hp	3.30	23A15R56	23A15R14		R
		Output Torque (lb in.)	1199	23A15LR56	23A15LR14		LR
		Mechanical Output Hp	2.22	23A15H56	23A15H14		HOLLOW
		Output OHL (lbs.)	1610	23A15HA56	23A15HA14		HOLLOW ALT.
20	88	Mechanical Input Hp	2.00	23A20L56	23A20L14		L
		Thermal Input Hp	2.62	23A20R56	23A20R14		R
		Output Torque (lb in.)	1178	23A20LR56	23A20LR14		LR
		Mechanical Output Hp	1.64	23A20H56	23A20H14		HOLLOW
		Output OHL (lbs.)	1610	23A20HA56	23A20HA14		HOLLOW ALT.
25	70	Mechanical Input Hp	1.65	23A25L56	23A25L14		L
		Thermal Input Hp	2.16	23A25R56	23A25R14		R
		Output Torque (lb in.)	1184	23A25LR56	23A25LR14		LR
		Mechanical Output Hp	1.32	23A25H56	23A25H14		HOLLOW
		Output OHL (lbs.)	1610	23A25HA56	23A25HA14		HOLLOW ALT.
30	58	Mechanical Input Hp	1.42	23A30L56	23A30L14		L
		Thermal Input Hp	2.06	23A30R56	23A30R14		R
		Output Torque (lb in.)	1201	23A30LR56	23A30LR14		LR
		Mechanical Output Hp	1.11	23A30H56	23A30H14		HOLLOW
		Output OHL (lbs.)	1610	23A30HA56	23A30HA14		HOLLOW ALT.
40	44	Mechanical Input Hp	1.11	23A40L56	23A40L14		L
		Thermal Input Hp	1.73	23A40R56	23A40R14		R
		Output Torque (lb in.)	1193	23A40LR56	23A40LR14		LR
		Mechanical Output Hp	0.83	23A40H56	23A40H14		HOLLOW
		Output OHL (lbs.)	1610	23A40HA56	23A40HA14		HOLLOW ALT.
50	35	Mechanical Input Hp	0.95	23A50L56			L
		Thermal Input Hp	1.42	23A50R56			R
		Output Torque (lb in.)	1182	23A50LR56			LR
		Mechanical Output Hp	0.66	23A50H56			HOLLOW
		Output OHL (lbs.)	1610	23A50HA56			HOLLOW ALT.
60	29	Mechanical Input Hp	0.80	23A60L56			L
		Thermal Input Hp	1.24	23A60R56			R
		Output Torque (lb in.)	1111	23A60LR56			LR
		Mechanical Output Hp	0.51	23A60H56			HOLLOW
		Output OHL (lbs.)	1610	23A60HA56			HOLLOW ALT.

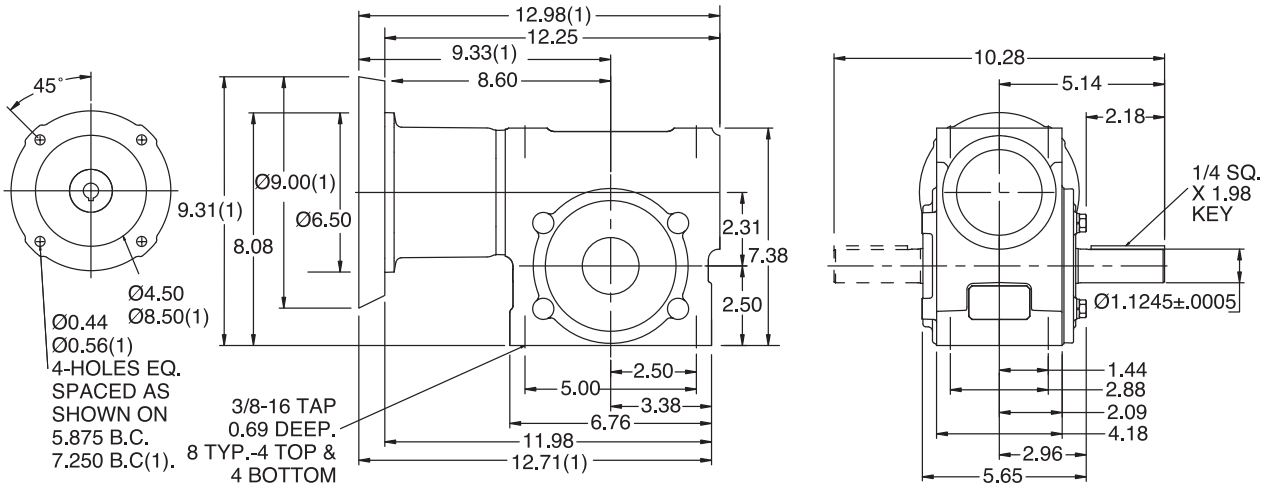
Note: Reducers are shipped without a mounting base. Order bolt-on base kit **23BASE** if required.
Refer to page G4-118 for hollow bore bushing selections

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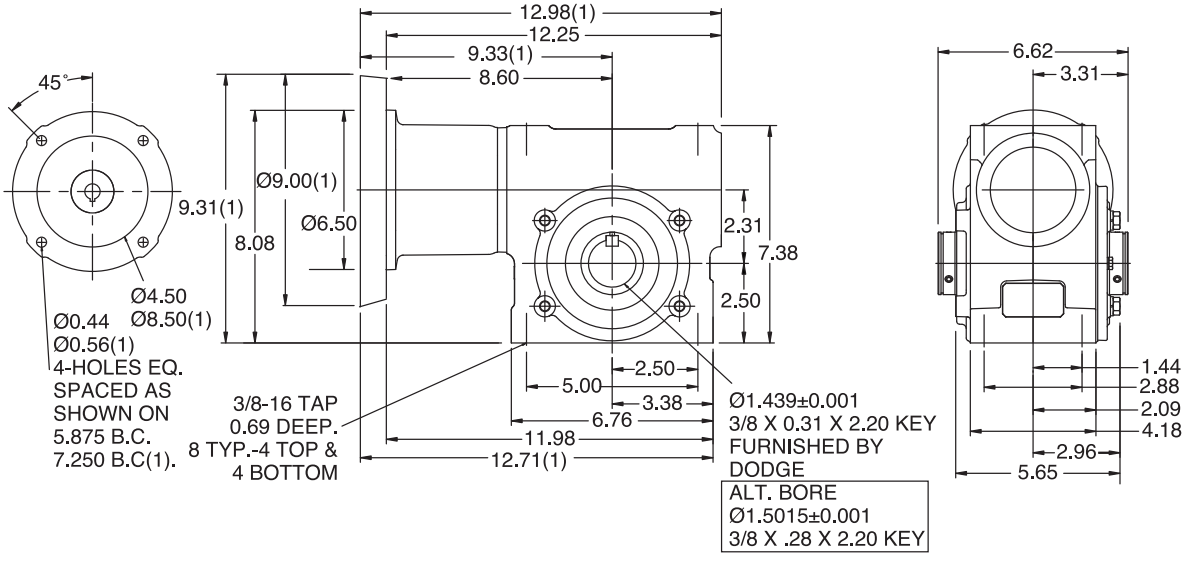
TIGEAR-2 Reducers With 3-Piece Coupled Input - Size 23

SOLID OUTPUT

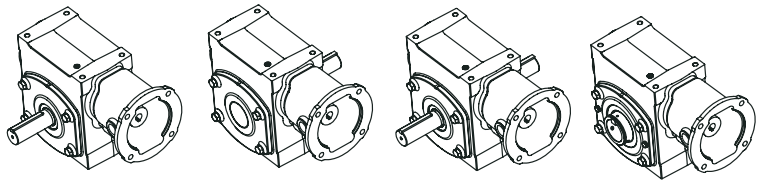


(1) DIMENSIONS APPLY TO 180 FRAME MOTOR ADAPTER

HOLLOW OUTPUT



OUTPUT SHAFT CONFIGURATIONS



L R LR H HA

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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With Quill Input - Size 26

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	140TC	180TC	Shaft Position
5	350	Mechanical Input Hp	7.37		26Q05L14	26Q05L18	L
		Thermal Input Hp	8.79		26Q05R14	26Q05R18	R
		Output Torque (lb in.)	1247		26Q05LR14	26Q05LR18	LR
		Mechanical Output Hp	6.93		26Q05H14	26Q05H18	HOLLOW
		Output OHL (lbs.)	1330		26Q05HA14	26Q05HA18	HOLLOW ALT.
6.5	269	Available Upon Request					
7.5	233	Mechanical Input Hp	5.92	26Q07L56	26Q07L14	26Q07L18	L
		Thermal Input Hp	6.89	26Q07R56	26Q07R14	26Q07R18	R
		Output Torque (lb in.)	1458	26Q07LR56	26Q07LR14	26Q07LR18	LR
		Mechanical Output Hp	5.47	26Q07H56	26Q07H14	26Q07H18	HOLLOW
		Output OHL (lbs.)	1520	26Q07HA56	26Q07HA14	26Q07HA18	HOLLOW ALT.
10	175	Mechanical Input Hp	4.83	26Q10L56	26Q10L14	26Q10L18	L
		Thermal Input Hp	5.61	26Q10R56	26Q10R14	26Q10R18	R
		Output Torque (lb in.)	1576	26Q10LR56	26Q10LR14	26Q10LR18	LR
		Mechanical Output Hp	4.37	26Q10H56	26Q10H14	26Q10H18	HOLLOW
		Output OHL (lbs.)	1610	26Q10HA56	26Q10HA14	26Q10HA18	HOLLOW ALT.
12.7	138	Mechanical Input Hp	4.08	26Q12L56	26Q12L14	26Q12L18	L
		Thermal Input Hp	4.72	26Q12R56	26Q12R14	26Q12R18	R
		Output Torque (lb in.)	1654	26Q12LR56	26Q12LR14	26Q12LR18	LR
		Mechanical Output Hp	3.63	26Q12H56	26Q12H14	26Q12H18	HOLLOW
		Output OHL (lbs.)	1610	26Q12HA56	26Q12HA14	26Q12HA18	HOLLOW ALT.
15	117	Mechanical Input Hp	3.62	26Q15L56	26Q15L14	26Q15L18	L
		Thermal Input Hp	4.15	26Q15R56	26Q15R14	26Q15R18	R
		Output Torque (lb in.)	1708	26Q15LR56	26Q15LR14	26Q15LR18	LR
		Mechanical Output Hp	3.16	26Q15H56	26Q15H14	26Q15H18	HOLLOW
		Output OHL (lbs.)	1610	26Q15HA56	26Q15HA14	26Q15HA18	HOLLOW ALT.
18	97	Mechanical Input Hp	3.05	26Q18L56	26Q18L14	26Q18L18	L
		Thermal Input Hp	3.73	26Q18R56	26Q18R14	26Q18R18	R
		Output Torque (lb in.)	1708	26Q18LR56	26Q18LR14	26Q18LR18	LR
		Mechanical Output Hp	2.63	26Q18H56	26Q18H14	26Q18H18	HOLLOW
		Output OHL (lbs.)	1610	26Q18HA56	26Q18HA14	26Q18HA18	HOLLOW ALT.
20	88	Mechanical Input Hp	2.71	26Q20L56	26Q20L14		L
		Thermal Input Hp	3.71	26Q20R56	26Q20R14		R
		Output Torque (lb in.)	1673	26Q20LR56	26Q20LR14		LR
		Mechanical Output Hp	2.32	26Q20H56	26Q20H14		HOLLOW
		Output OHL (lbs.)	1610	26Q20HA56	26Q20HA14		HOLLOW ALT.
25	70	Mechanical Input Hp	2.26	26Q25L56	26Q25L14		L
		Thermal Input Hp	3.00	26Q25R56	26Q25R14		R
		Output Torque (lb in.)	1677	26Q25LR56	26Q25LR14		LR
		Mechanical Output Hp	1.86	26Q25H56	26Q25H14		HOLLOW
		Output OHL (lbs.)	1610	26Q25HA56	26Q25HA14		HOLLOW ALT.
30	58	Mechanical Input Hp	2.00	26Q30L56	26Q30L14		L
		Thermal Input Hp	2.79	26Q30R56	26Q30R14		R
		Output Torque (lb in.)	1705	26Q30LR56	26Q30LR14		LR
		Mechanical Output Hp	1.58	26Q30H56	26Q30H14		HOLLOW
		Output OHL (lbs.)	1610	26Q30HA56	26Q30HA14		HOLLOW ALT.
40	44	Mechanical Input Hp	1.55	26Q40L56	26Q40L14		L
		Thermal Input Hp	2.14	26Q40R56	26Q40R14		R
		Output Torque (lb in.)	1685	26Q40LR56	26Q40LR14		LR
		Mechanical Output Hp	1.17	26Q40H56	26Q40H14		HOLLOW
		Output OHL (lbs.)	1610	26Q40HA56	26Q40HA14		HOLLOW ALT.
50	35	Mechanical Input Hp	1.32	26Q50L56	26Q50L14		L
		Thermal Input Hp	1.76	26Q50R56	26Q50R14		R
		Output Torque (lb in.)	1662	26Q50LR56	26Q50LR14		LR
		Mechanical Output Hp	0.92	26Q50H56	26Q50H14		HOLLOW
		Output OHL (lbs.)	1610	26Q50HA56	26Q50HA14		HOLLOW ALT.
60	29	Mechanical Input Hp	1.08	26Q60L56	26Q60L14		L
		Thermal Input Hp	1.57	26Q60R56	26Q60R14		R
		Output Torque (lb in.)	1547	26Q60LR56	26Q60LR14		LR
		Mechanical Output Hp	0.72	26Q60H56	26Q60H14		HOLLOW
		Output OHL (lbs.)	1610	26Q60HA56	26Q60HA14		HOLLOW ALT.
80	22	Available Upon Request					

Note: Reducers are shipped without a mounting base. Order bolt-on base kit **26BASE** if required.
Refer to page G4-118 for hollow bore bushing selections

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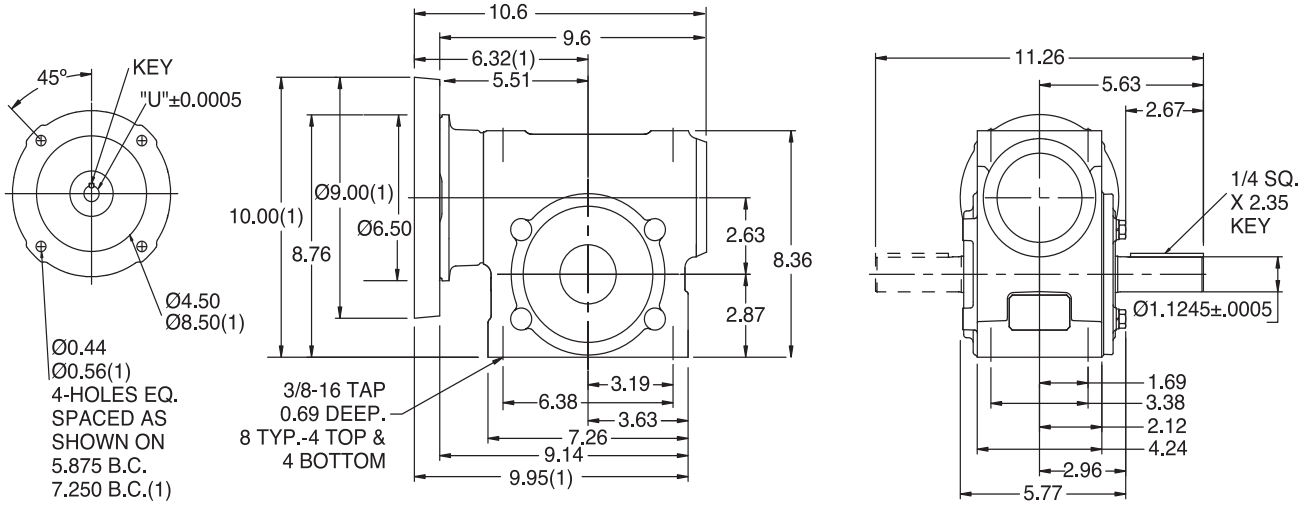
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RATINGS/DIMENSIONS

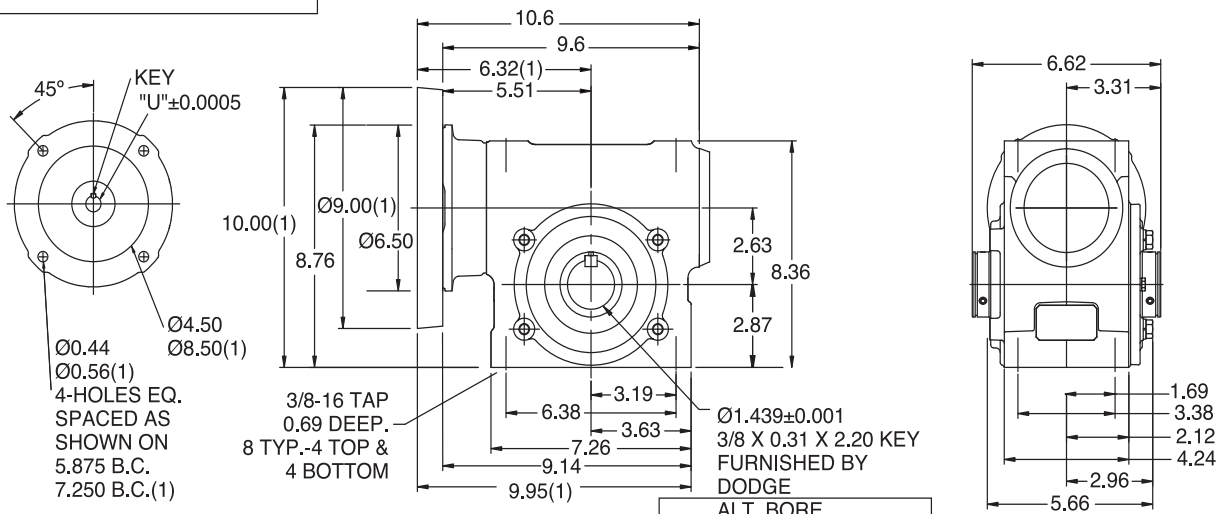
TIGEAR-2 Reducers With Quill Input - Size 26

SOLID OUTPUT



(1) DIMENSIONS APPLY TO 180 FRAME MOTOR ADAPTER

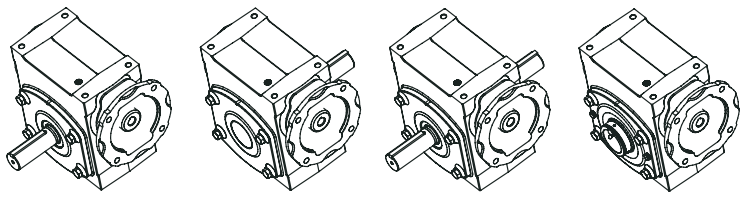
HOLLOW OUTPUT



ALT. BORE
Ø1.689±0.001
3/8 X .28 X 2.20 KEY

MOTOR FRAME	"U"	KEY
48Y 56C	.626	3/16 SQ. x 1.50 KEY
140TC 160ATC	.876	3/16 SQ x 1.50 KEY
180TC 180ATC	1.126	1/4 SQ x 2.00 KEY

OUTPUT SHAFT CONFIGURATIONS



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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With Separate Input - Size 26

Ratio	Output RPM	Rating Data 1750 Input RPM		Separate Reducer	Shaft Position	Optional Motor Adapter Kit 56C	140TC	180TC
5	350	Mechanical Input Hp	7.37	26S05L	L		2330MTR14	2330MTR18
		Thermal Input Hp	8.79	26S05R	R			
		Output Torque (lb in.)	1247	26S05LR	LR			
		Mechanical Output Hp	6.93	26S05H	HOLLOW			
		Output OHL (lbs.)	1330	26S05HA	HOLLOW ALT.			
6.5	269	Available Upon Request						
7.5	233	Mechanical Input Hp	5.92	26S07L	L	2330MTR56	2330MTR14	2330MTR18
		Thermal Input Hp	6.89	26S07R	R			
		Output Torque (lb in.)	1458	26S07LR	LR			
		Mechanical Output Hp	5.47	26S07H	HOLLOW			
		Output OHL (lbs.)	1520	26S07HA	HOLLOW ALT.			
10	175	Mechanical Input Hp	4.83	26S10L	L	2330MTR56	2330MTR14	2330MTR18
		Thermal Input Hp	5.61	26S10R	R			
		Output Torque (lb in.)	1576	26S10LR	LR			
		Mechanical Output Hp	4.37	26S10H	HOLLOW			
		Output OHL (lbs.)	1610	26S10HA	HOLLOW ALT.			
12.7	138	Mechanical Input Hp	4.08	26S12L	L	2330MTR56	2330MTR14	2330MTR18
		Thermal Input Hp	4.72	26S12R	R			
		Output Torque (lb in.)	1654	26S12LR	LR			
		Mechanical Output Hp	3.63	26S12H	HOLLOW			
		Output OHL (lbs.)	1610	26S12HA	HOLLOW ALT.			
15	117	Mechanical Input Hp	3.62	26S15L	L	2330MTR56	2330MTR14	2330MTR18
		Thermal Input Hp	4.15	26S15R	R			
		Output Torque (lb in.)	1708	26S15LR	LR			
		Mechanical Output Hp	3.16	26S15H	HOLLOW			
		Output OHL (lbs.)	1610	26S15HA	HOLLOW ALT.			
18	97	Mechanical Input Hp	3.05	26S18L	L	2330MTR56	2330MTR14	
		Thermal Input Hp	3.73	26S18R	R			
		Output Torque (lb in.)	1708	26S18LR	LR			
		Mechanical Output Hp	2.63	26S18H	HOLLOW			
		Output OHL (lbs.)	1610	26S18HA	HOLLOW ALT.			
20	88	Mechanical Input Hp	2.71	26S20L	L	2330MTR56	2330MTR14	
		Thermal Input Hp	3.71	26S20R	R			
		Output Torque (lb in.)	1673	26S20LR	LR			
		Mechanical Output Hp	2.32	26S20H	HOLLOW			
		Output OHL (lbs.)	1610	26S20HA	HOLLOW ALT.			
25	70	Mechanical Input Hp	2.26	26S25L	L	2330MTR56	2330MTR14	
		Thermal Input Hp	3	26S25R	R			
		Output Torque (lb in.)	1677	26S25LR	LR			
		Mechanical Output Hp	1.86	26S25H	HOLLOW			
		Output OHL (lbs.)	1610	26S25HA	HOLLOW ALT.			
30	58	Mechanical Input Hp	2	26S30L	L	2330MTR56	2330MTR14	
		Thermal Input Hp	2.79	26S30R	R			
		Output Torque (lb in.)	1705	26S30LR	LR			
		Mechanical Output Hp	1.58	26S30H	HOLLOW			
		Output OHL (lbs.)	1610	26S30HA	HOLLOW ALT.			
40	44	Mechanical Input Hp	1.55	26S40L	L	2330MTR56	2330MTR14	
		Thermal Input Hp	2.14	26S40R	R			
		Output Torque (lb in.)	1685	26S40LR	LR			
		Mechanical Output Hp	1.17	26S40H	HOLLOW			
		Output OHL (lbs.)	1610	26S40HA	HOLLOW ALT.			
50	35	Mechanical Input Hp	1.32	26S50L	L	2330MTR56	2330MTR14	
		Thermal Input Hp	1.76	26S50R	R			
		Output Torque (lb in.)	1662	26S50LR	LR			
		Mechanical Output Hp	0.92	26S50H	HOLLOW			
		Output OHL (lbs.)	1610	26S50HA	HOLLOW ALT.			
60	29	Mechanical Input Hp	1.08	26S60L	L	2330MTR56	2330MTR14	
		Thermal Input Hp	1.57	26S60R	R			
		Output Torque (lb in.)	1547	26S60LR	LR			
		Mechanical Output Hp	0.72	26S60H	HOLLOW			
		Output OHL (lbs.)	1610	26S60HA	HOLLOW ALT.			
80	22	Available Upon Request						
All Ratios		Input OHL (lbs)	250	One diameter from seal surface				

Note: TIGEAR-2 separate reducers cannot be used with the old Adaptable TIGEAR motor adapter kits.
Refer to page G4-118 for hollow bore bushing selections

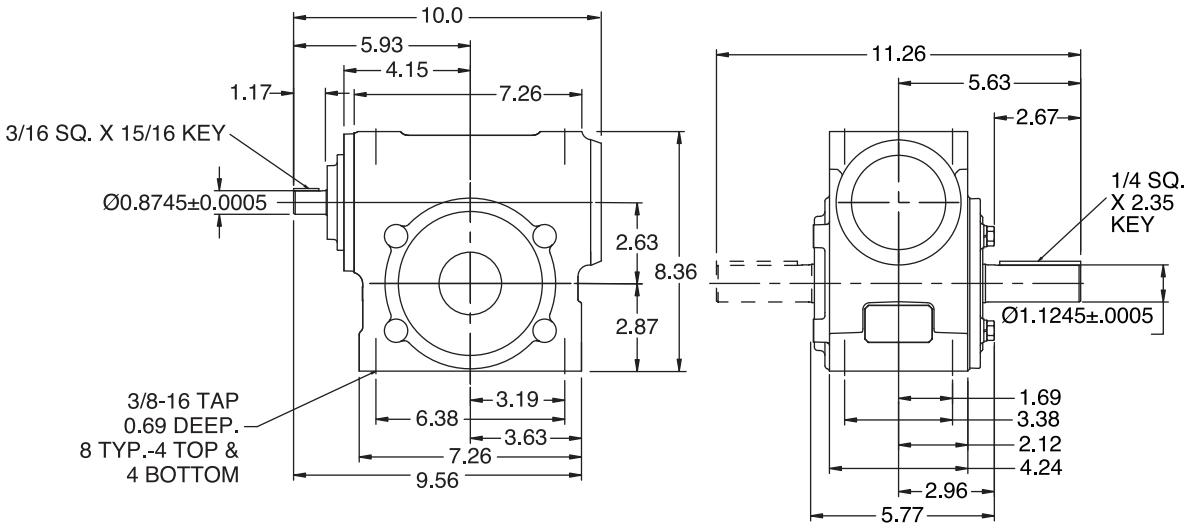
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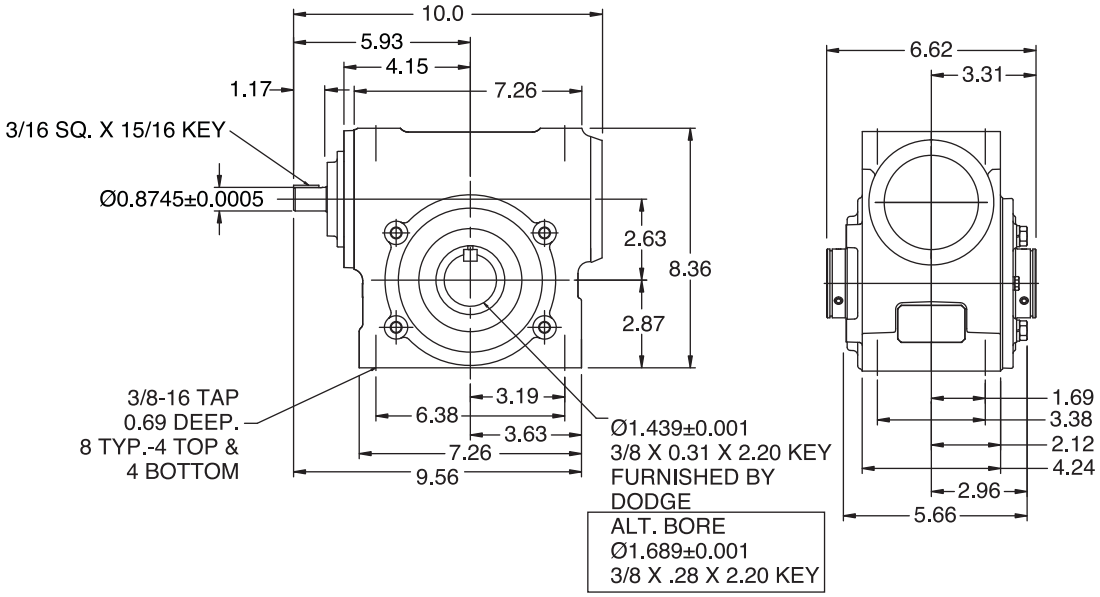


TIGEAR-2 Reducers With Separate Input - Size 26

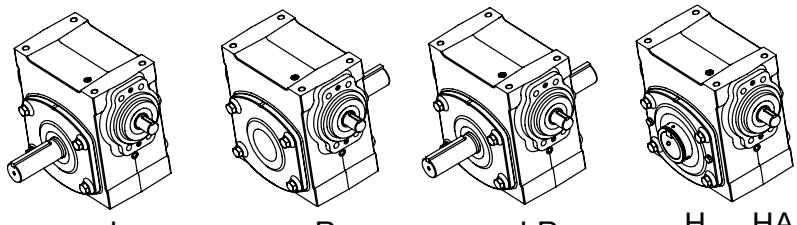
SOLID OUTPUT



HOLLOW OUTPUT



OUTPUT SHAFT CONFIGURATIONS



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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With 3-Piece Coupled Input - Size 26

3-Piece Coupled units include a Separate reducer, 3-piece coupling and motor adapter housing assembled together.
These assemblies are normally "made to order" with a 5 day standard lead time.

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	140TC	180TC	Shaft Position
		Mechanical Input Hp	7.37		**26A05L14**	**26A05L18**	L
		Thermal Input Hp	8.79		**26A05R14**	**26A05R18**	R
5	**350**	Output Torque (lb in.)	1247		**26A05LR14**	**26A05LR18**	LR
		Mechanical Output Hp	6.93		**26A05H14**	**26A05H18**	HOLLOW
		Output OHL (lbs.)	1330		**26A05HA14**	**26A05HA18**	HOLLOW ALT.
6.5	**269**	Available Upon Request					
		Mechanical Input Hp	5.92	**26A07L56**	**26A07L14**	**26A07L18**	L
		Thermal Input Hp	6.89	**26A07R56**	**26A07R14**	**26A07R18**	R
7.5	**233**	Output Torque (lb in.)	1458	**26A07LR56**	**26A07LR14**	**26A07LR18**	LR
		Mechanical Output Hp	5.47	**26A07H56**	**26A07H14**	**26A07H18**	HOLLOW
		Output OHL (lbs.)	1520	**26A07HA56**	**26A07HA14**	**26A07HA18**	HOLLOW ALT.
		Mechanical Input Hp	4.83	**26A10L56**	**26A10L14**	**26A10L18**	L
		Thermal Input Hp	5.61	**26A10R56**	**26A10R14**	**26A10R18**	R
10	**175**	Output Torque (lb in.)	1576	**26A10LR56**	**26A10LR14**	**26A10LR18**	LR
		Mechanical Output Hp	4.37	**26A10H56**	**26A10H14**	**26A10H18**	HOLLOW
		Output OHL (lbs.)	1610	**26A10HA56**	**26A10HA14**	**26A10HA18**	HOLLOW ALT.
		Mechanical Input Hp	4.08	**26A12L56**	**26A12L14**	**26A12L18**	L
		Thermal Input Hp	4.72	**26A12R56**	**26A12R14**	**26A12R18**	R
12.7	**138**	Output Torque (lb in.)	1654	**26A12LR56**	**26A12LR14**	**26A12LR18**	LR
		Mechanical Output Hp	3.63	**26A12H56**	**26A12H14**	**26A12H18**	HOLLOW
		Output OHL (lbs.)	1610	**26A12HA56**	**26A12HA14**	**26A12HA18**	HOLLOW ALT.
		Mechanical Input Hp	3.62	**26A15L56**	**26A15L14**	**26A15L18**	L
		Thermal Input Hp	4.15	**26A15R56**	**26A15R14**	**26A15R18**	R
15	**117**	Output Torque (lb in.)	1708	**26A15LR56**	**26A15LR14**	**26A15LR18**	LR
		Mechanical Output Hp	3.16	**26A15H56**	**26A15H14**	**26A15H18**	HOLLOW
		Output OHL (lbs.)	1610	**26A15HA56**	**26A15HA14**	**26A15HA18**	HOLLOW ALT.
		Mechanical Input Hp	3.05	**26A18L56**	**26A18L14**	**26A18L18**	L
		Thermal Input Hp	3.73	**26A18R56**	**26A18R14**	**26A18R18**	R
18	**97**	Output Torque (lb in.)	1708	**26A18LR56**	**26A18LR14**	**26A18LR18**	LR
		Mechanical Output Hp	2.63	**26A18H56**	**26A18H14**	**26A18H18**	HOLLOW
		Output OHL (lbs.)	1610	**26A18HA56**	**26A18HA14**	**26A18HA18**	HOLLOW ALT.
		Mechanical Input Hp	2.71	**26A20L56**	**26A20L14**		L
		Thermal Input Hp	3.71	**26A20R56**	**26A20R14**		R
20	**88**	Output Torque (lb in.)	1673	**26A20LR56**	**26A20LR14**		LR
		Mechanical Output Hp	2.32	**26A20H56**	**26A20H14**		HOLLOW
		Output OHL (lbs.)	1610	**26A20HA56**	**26A20HA14**		HOLLOW ALT.
		Mechanical Input Hp	2.26	**26A25L56**	**26A25L14**		L
		Thermal Input Hp	3.00	**26A25R56**	**26A25R14**		R
25	**70**	Output Torque (lb in.)	1677	**26A25LR56**	**26A25LR14**		LR
		Mechanical Output Hp	1.86	**26A25H56**	**26A25H14**		HOLLOW
		Output OHL (lbs.)	1610	**26A25HA56**	**26A25HA14**		HOLLOW ALT.
		Mechanical Input Hp	2.00	**26A30L56**	**26A30L14**		L
		Thermal Input Hp	2.79	**26A30R56**	**26A30R14**		R
30	**58**	Output Torque (lb in.)	1705	**26A30LR56**	**26A30LR14**		LR
		Mechanical Output Hp	1.58	**26A30H56**	**26A30H14**		HOLLOW
		Output OHL (lbs.)	1610	**26A30HA56**	**26A30HA14**		HOLLOW ALT.
		Mechanical Input Hp	1.55	**26A40L56**	**26A40L14**		L
		Thermal Input Hp	2.14	**26A40R56**	**26A40R14**		R
40	**44**	Output Torque (lb in.)	1685	**26A40LR56**	**26A40LR14**		LR
		Mechanical Output Hp	1.17	**26A40H56**	**26A40H14**		HOLLOW
		Output OHL (lbs.)	1610	**26A40HA56**	**26A40HA14**		HOLLOW ALT.
		Mechanical Input Hp	1.32	**26A50L56**	**26A50L14**		L
		Thermal Input Hp	1.76	**26A50R56**	**26A50R14**		R
50	**35**	Output Torque (lb in.)	1662	**26A50LR56**	**26A50LR14**		LR
		Mechanical Output Hp	0.92	**26A50H56**	**26A50H14**		HOLLOW
		Output OHL (lbs.)	1610	**26A50HA56**	**26A50HA14**		HOLLOW ALT.
		Mechanical Input Hp	1.08	**26A60L56**	**26A60L14**		L
		Thermal Input Hp	1.57	**26A60R56**	**26A60R14**		R
60	**29**	Output Torque (lb in.)	1547	**26A60LR56**	**26A60LR14**		LR
		Mechanical Output Hp	0.72	**26A60H56**	**26A60H14**		HOLLOW
		Output OHL (lbs.)	1610	**26A60HA56**	**26A60HA14**		HOLLOW ALT.
80	**22**	Available Upon Request					

Note: Reducers are shipped without a mounting base. Order bolt-on base kit **26BASE** if required.
Refer to page G4-118 for hollow bore bushing selections

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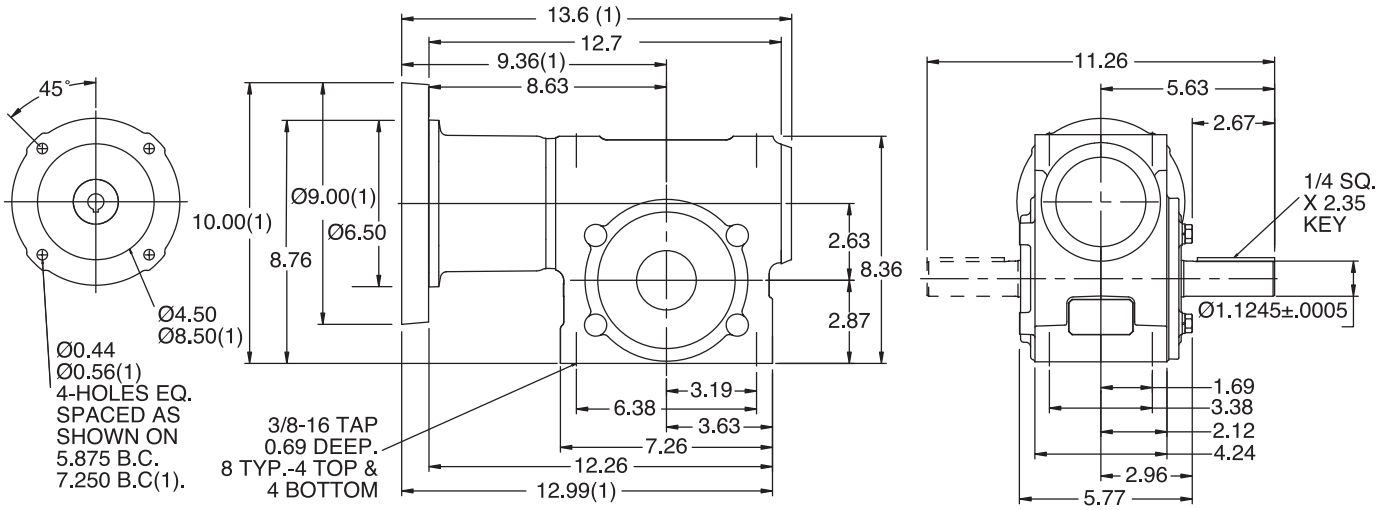
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RATINGS/DIMENSIONS

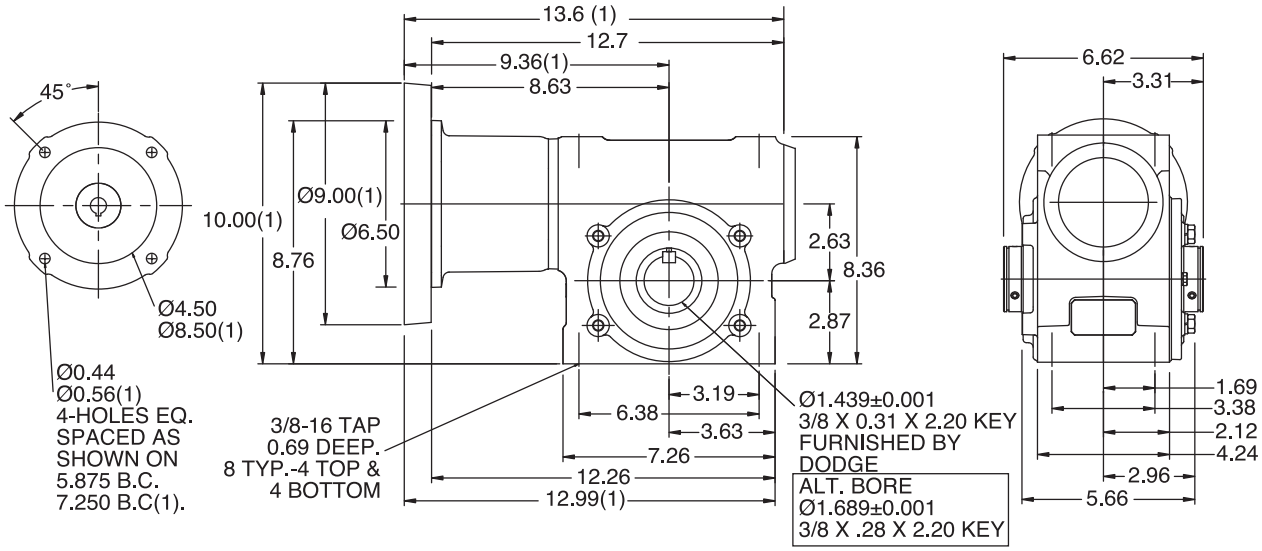
TIGEAR-2 Reducers With 3-Piece Coupled Input - Size 26

SOLID OUTPUT

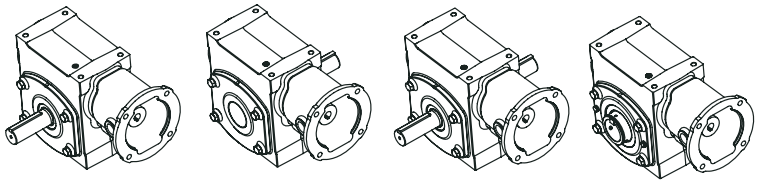


(1) DIMENSIONS APPLY TO
180 FRAME MOTOR ADAPTER

HOLLOW OUTPUT



OUTPUT SHAFT CONFIGURATIONS



L R LR H HA

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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With Quill Input - Size 30

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Part Number 140TC	Part Number 180TC	Shaft Position
5	350	Mechanical Input Hp	10.84		30Q05L14	30Q05L18	L
		Thermal Input Hp	12.53		30Q05R14	30Q05R18	R
		Output Torque (lb in.)	1849		30Q05LR14	30Q05LR18	LR
		Mechanical Output Hp	10.27		30Q05H14	30Q05H18	HOLLOW
		Output OHL (lbs.)	1330				
6.5	269	Available Upon Request					
7.5	233	Mechanical Input Hp	8.74		30Q07L14	30Q07L18	L
		Thermal Input Hp	9.64		30Q07R14	30Q07R18	R
		Output Torque (lb in.)	2171		30Q07LR14	30Q07LR18	LR
		Mechanical Output Hp	8.15		30Q07H14	30Q07H18	HOLLOW
		Output OHL (lbs.)	1540				
10	175	Mechanical Input Hp	7.11		30Q10L14	30Q10L18	L
		Thermal Input Hp	7.85		30Q10R14	30Q10R18	R
		Output Torque (lb in.)	2347		30Q10LR14	30Q10LR18	LR
		Mechanical Output Hp	6.52		30Q10H14	30Q10H18	HOLLOW
		Output OHL (lbs.)	1720				
15	117	Mechanical Input Hp	5.00		30Q15L14	30Q15L18	L
		Thermal Input Hp	5.72		30Q15R14	30Q15R18	R
		Output Torque (lb in.)	2371		30Q15LR14	30Q15LR18	LR
		Mechanical Output Hp	4.39		30Q15H14	30Q15H18	HOLLOW
		Output OHL (lbs.)	2300				
20	88	Mechanical Input Hp	3.81	30Q20L56	30Q20L14	30Q20L18	L
		Thermal Input Hp	4.52	30Q20R56	30Q20R14	30Q20R18	R
		Output Torque (lb in.)	2345	30Q20LR56	30Q20LR14	30Q20LR18	LR
		Mechanical Output Hp	3.26	30Q20H56	30Q20H14	30Q20H18	HOLLOW
		Output OHL (lbs.)	2300				
25	70	Mechanical Input Hp	3.05	30Q25L56	30Q25L14	30Q25L18	L
		Thermal Input Hp	3.90	30Q25R56	30Q25R14	30Q25R18	R
		Output Torque (lb in.)	2284	30Q25LR56	30Q25LR14	30Q25LR18	LR
		Mechanical Output Hp	2.54	30Q25H56	30Q25H14	30Q25H18	HOLLOW
		Output OHL (lbs.)	2300				
30	58	Mechanical Input Hp	2.75	30Q30L56	30Q30L14		L
		Thermal Input Hp	3.58	30Q30R56	30Q30R14		R
		Output Torque (lb in.)	2417	30Q30LR56	30Q30LR14		LR
		Mechanical Output Hp	2.24	30Q30H56	30Q30H14		HOLLOW
		Output OHL (lbs.)	2300				
40	44	Mechanical Input Hp	2.09	30Q40L56	30Q40L14		L
		Thermal Input Hp	2.87	30Q40R56	30Q40R14		R
		Output Torque (lb in.)	2324	30Q40LR56	30Q40LR14		LR
		Mechanical Output Hp	1.61	30Q40H56	30Q40H14		HOLLOW
		Output OHL (lbs.)	2300				
50	35	Mechanical Input Hp	1.75	30Q50L56	30Q50L14		L
		Thermal Input Hp	2.34	30Q50R56	30Q50R14		R
		Output Torque (lb in.)	2257	30Q50LR56	30Q50LR14		LR
		Mechanical Output Hp	1.25	30Q50H56	30Q50H14		HOLLOW
		Output OHL (lbs.)	2300				
60	29	Mechanical Input Hp	1.50	30Q60L56	30Q60L14		L
		Thermal Input Hp	2.01	30Q60R56	30Q60R14		R
		Output Torque (lb in.)	2138	30Q60LR56	30Q60LR14		LR
		Mechanical Output Hp	0.99	30Q60H56	30Q60H14		HOLLOW
		Output OHL (lbs.)	2300				

Note: Reducers are shipped without a mounting base. Order bolt-on base kit **30BASE** if required.
Refer to page G4-118 for hollow bore bushing selections

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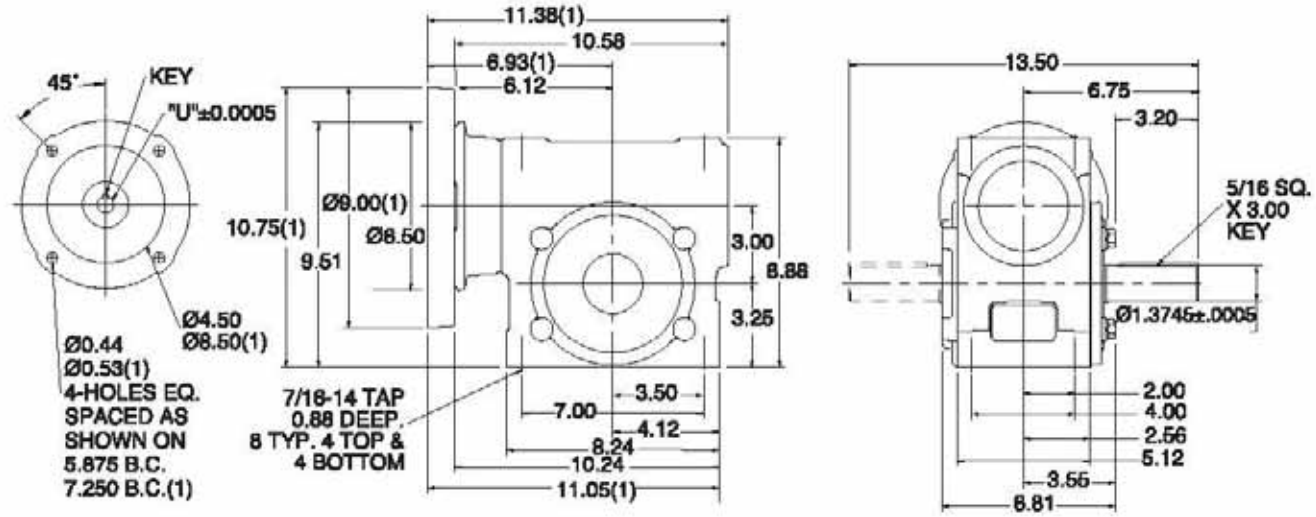
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RATINGS/DIMENSIONS

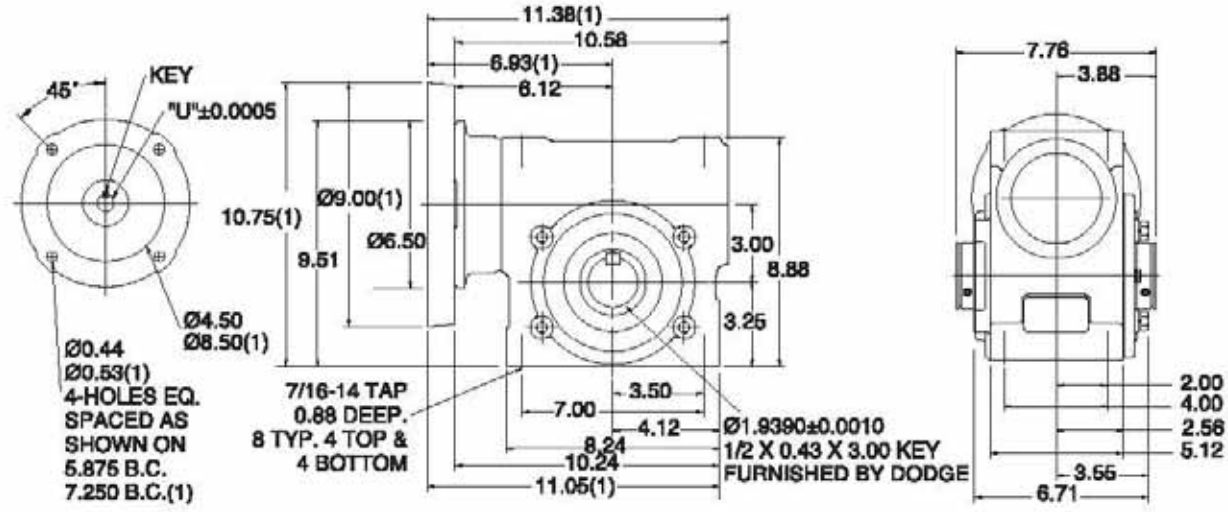
TIGEAR-2 Reducers With Quill Input - Size 30

SOLID OUTPUT



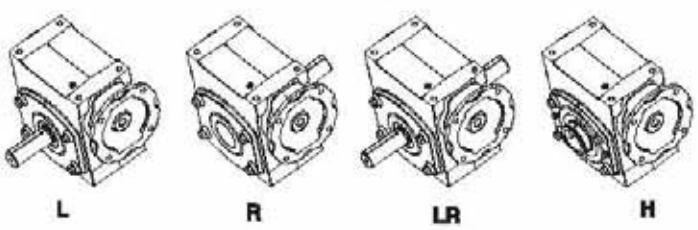
(1) DIMENSIONS APPLY TO 180 FRAME MOTOR ADAPTER

HOLLOW OUTPUT



MOTOR FRAME	"U"	KEY
48Y 56C	.6255	3/16 SQ. x 1.50 KEY
140TC 160ATC	.8755	3/16 SQ. x 1.50 KEY
180TC 180ATC	1.1255	1/4 SQ. x 2.00 KEY

MOUNTING POSITIONS



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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With Separate Input - Size 30

Ratio	Output RPM	Rating Data 1750 Input RPM		Separate Reducer	Shaft Position	Optional Motor Adapter Kit 56C	140TC	180TC
5	350	Mechanical Input Hp	10.84	30S05L	L		2330MTR14	2330MTR18
		Thermal Input Hp	12.53	30S05R	R			
		Output Torque (lb in.)	1849	30S05LR	LR			
		Mechanical Output Hp	10.27	30S05H	HOLLOW			
		Output OHL (lbs.)	1330					
6.5	269	Available Upon Request						
7.5	233	Mechanical Input Hp	8.74	30S07L	L		2330MTR14	2330MTR18
		Thermal Input Hp	9.64	30S07R	R			
		Output Torque (lb in.)	2171	30S07LR	LR			
		Mechanical Output Hp	8.15	30S07H	HOLLOW			
		Output OHL (lbs.)	1540					
10	175	Mechanical Input Hp	7.11	30S10L	L		2330MTR14	2330MTR18
		Thermal Input Hp	7.85	30S10R	R			
		Output Torque (lb in.)	2347	30S10LR	LR			
		Mechanical Output Hp	6.52	30S10H	HOLLOW			
		Output OHL (lbs.)	1720					
15	117	Mechanical Input Hp	5.00	30S15L	L		2330MTR14	2330MTR18
		Thermal Input Hp	5.72	30S15R	R			
		Output Torque (lb in.)	2371	30S15LR	LR			
		Mechanical Output Hp	4.39	30S15H	HOLLOW			
		Output OHL (lbs.)	2300					
20	88	Mechanical Input Hp	3.81	30S20L	L	2330MTR56	2330MTR14	2330MTR18
		Thermal Input Hp	4.52	30S20R	R			
		Output Torque (lb in.)	2345	30S20LR	LR			
		Mechanical Output Hp	3.26	30S20H	HOLLOW			
		Output OHL (lbs.)	2300					
25	70	Mechanical Input Hp	3.05	30S25L	L	2330MTR56	2330MTR14	2330MTR18
		Thermal Input Hp	3.90	30S25R	R			
		Output Torque (lb in.)	2284	30S25LR	LR			
		Mechanical Output Hp	2.54	30S25H	HOLLOW			
		Output OHL (lbs.)	2300					
30	58	Mechanical Input Hp	2.75	30S30L	L	2330MTR56	2330MTR14	
		Thermal Input Hp	3.58	30S30R	R			
		Output Torque (lb in.)	2417	30S30LR	LR			
		Mechanical Output Hp	2.24	30S30H	HOLLOW			
		Output OHL (lbs.)	2300					
40	44	Mechanical Input Hp	2.09	30S40L	L	2330MTR56	2330MTR14	
		Thermal Input Hp	2.87	30S40R	R			
		Output Torque (lb in.)	2324	30S40LR	LR			
		Mechanical Output Hp	1.61	30S40H	HOLLOW			
		Output OHL (lbs.)	2300					
50	35	Mechanical Input Hp	1.75	30S50L	L	2330MTR56	2330MTR14	
		Thermal Input Hp	2.34	30S50R	R			
		Output Torque (lb in.)	2257	30S50LR	LR			
		Mechanical Output Hp	1.25	30S50H	HOLLOW			
		Output OHL (lbs.)	2300					
60	29	Mechanical Input Hp	1.50	30S60L	L	2330MTR56	2330MTR14	
		Thermal Input Hp	2.01	30S60R	R			
		Output Torque (lb in.)	2138	30S60LR	LR			
		Mechanical Output Hp	0.99	30S60H	HOLLOW			
		Output OHL (lbs.)	2300					
All Ratios		Input OHL (lbs)	280	One diameter from seal surface				

Note: TIGEAR-2 separate reducers cannot be used with the old Adaptable TIGEAR motor adapter kits.
Refer to page G4-118 for hollow bore bushing selections

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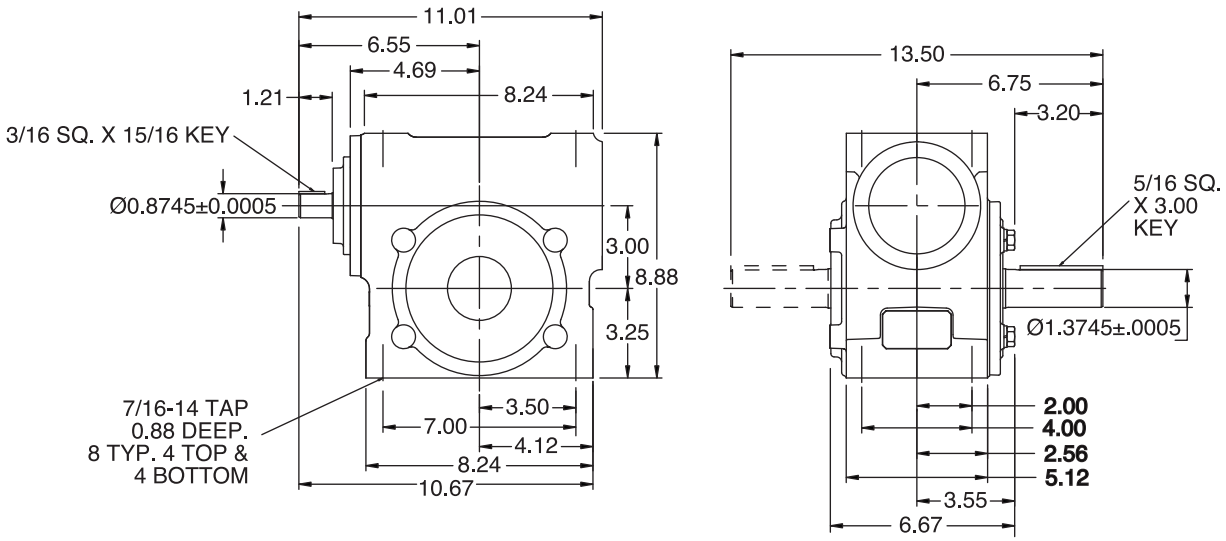
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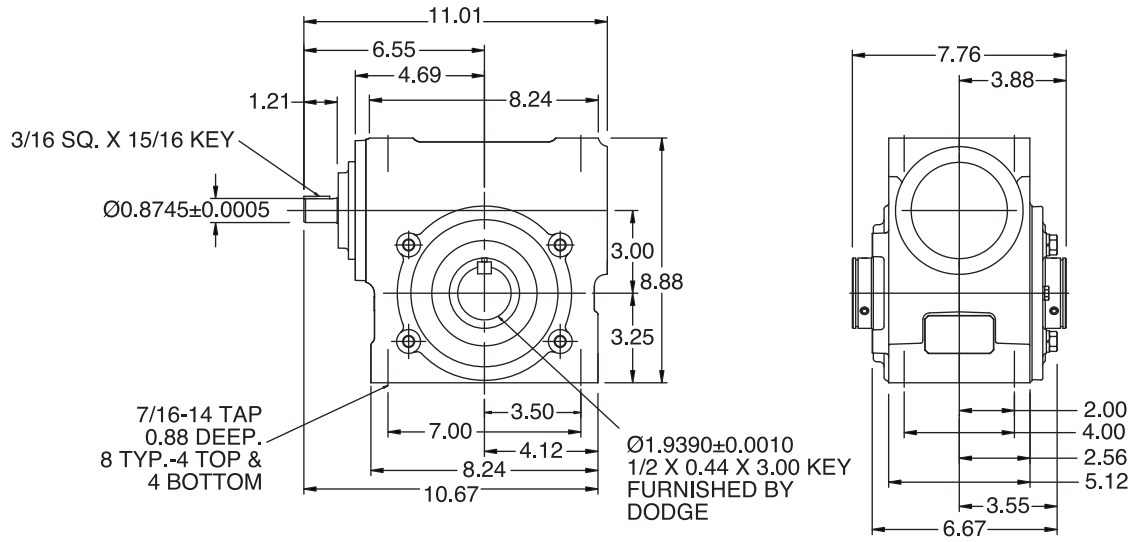
RATINGS/DIMENSIONS

TIGEAR-2 Reducers With Separate Input - Size 30

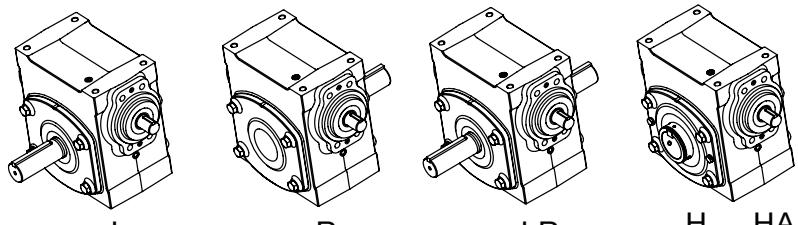
SOLID OUTPUT



HOLLOW OUTPUT



OUTPUT SHAFT CONFIGURATIONS



FEATURES/BENEFITS PAGE G4-2	SPECIFICATION PAGE G4-8	NOMENCLATURE PAGE G4-9	RATINGS/DIMENSIONS PAGE G4-16

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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With 3-Piece Coupled Input - Size 30

3-Piece Coupled units include a Separate reducer, 3-piece coupling and motor adapter housing assembled together.
These assemblies are normally "made to order" with a 5 day standard lead time.

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	140TC	180TC	Shaft Position
		Mechanical Input Hp	10.84		30A05L14	30A05L18	L
		Thermal Input Hp	12.53		30A05R14	30A05R18	R
5	350	Output Torque (lb in.)	1849		30A05LR14	30A05LR18	LR
		Mechanical Output Hp	10.27		30A05H14	30A05H18	HOLLOW
		Output OHL (lbs.)	1330				
6.5	269	Available Upon Request					
		Mechanical Input Hp	8.74		30A07L14	30A07L18	L
		Thermal Input Hp	9.64		30A07R14	30A07R18	R
7.5	233	Output Torque (lb in.)	2171		30A07LR14	30A07LR18	LR
		Mechanical Output Hp	8.15		30A07H14	30A07H18	HOLLOW
		Output OHL (lbs.)	1540				
		Mechanical Input Hp	7.11		30A10L14	30A10L18	L
		Thermal Input Hp	7.85		30A10R14	30A10R18	R
10	175	Output Torque (lb in.)	2347		30A10LR14	30A10LR18	LR
		Mechanical Output Hp	6.52		30A10H14	30A10H18	HOLLOW
		Output OHL (lbs.)	1720				
		Mechanical Input Hp	5.00		30A15L14	30A15L18	L
		Thermal Input Hp	5.72		30A15R14	30A15R18	R
15	117	Output Torque (lb in.)	2371		30A15LR14	30A15LR18	LR
		Mechanical Output Hp	4.39		30A15H14	30A15H18	HOLLOW
		Output OHL (lbs.)	2300				
		Mechanical Input Hp	3.81	30A20L56	30A20L14	30A20L18	L
		Thermal Input Hp	4.52	30A20R56	30A20R14	30A20R18	R
20	88	Output Torque (lb in.)	2345	30A20LR56	30A20LR14	30A20LR18	LR
		Mechanical Output Hp	3.26	30A20H56	30A20H14	30A20H18	HOLLOW
		Output OHL (lbs.)	2300				
		Mechanical Input Hp	3.05	30A25L56	30A25L14	30A25L18	L
		Thermal Input Hp	3.90	30A25R56	30A25R14	30A25R18	R
25	70	Output Torque (lb in.)	2284	30A25LR56	30A25LR14	30A25LR18	LR
		Mechanical Output Hp	2.54	30A25H56	30A25H14	30A25H18	HOLLOW
		Output OHL (lbs.)	2300				
		Mechanical Input Hp	2.75	30A30L56	30A30L14		L
		Thermal Input Hp	3.58	30A30R56	30A30R14		R
30	58	Output Torque (lb in.)	2417	30A30LR56	30A30LR14		LR
		Mechanical Output Hp	2.24	30A30H56	30A30H14		HOLLOW
		Output OHL (lbs.)	2300				
		Mechanical Input Hp	2.09	30A40L56	30A40L14		L
		Thermal Input Hp	2.87	30A40R56	30A40R14		R
40	44	Output Torque (lb in.)	2324	30A40LR56	30A40LR14		LR
		Mechanical Output Hp	1.61	30A40H56	30A40H14		HOLLOW
		Output OHL (lbs.)	2300				
		Mechanical Input Hp	1.75	30A50L56	30A50L14		L
		Thermal Input Hp	2.34	30A50R56	30A50R14		R
50	35	Output Torque (lb in.)	2257	30A50LR56	30A50LR14		LR
		Mechanical Output Hp	1.25	30A50H56	30A50H14		HOLLOW
		Output OHL (lbs.)	2300				
		Mechanical Input Hp	1.50	30A60L56	30A60L14		L
		Thermal Input Hp	2.01	30A60R56	30A60R14		R
60	29	Output Torque (lb in.)	2138	30A60LR56	30A60LR14		LR
		Mechanical Output Hp	0.99	30A60H56	30A60H14		HOLLOW
		Output OHL (lbs.)	2300				

Note: Reducers are shipped without a mounting base. Order bolt-on base kit **30BASE** if required.
Refer to page G4-118 for hollow bore bushing selections

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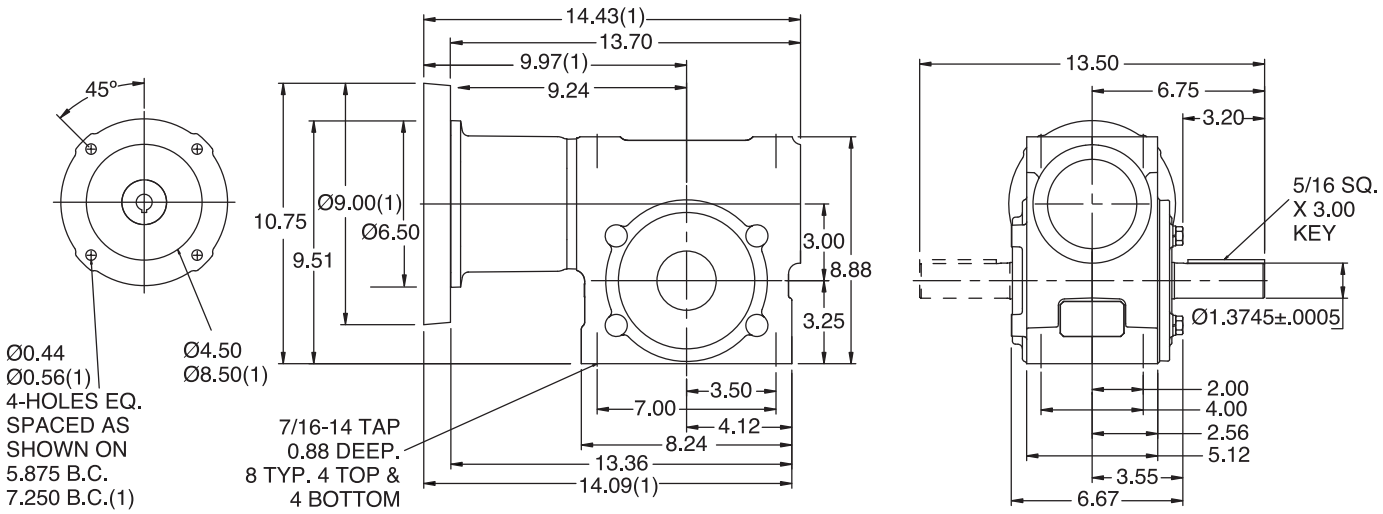
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RATINGS/DIMENSIONS

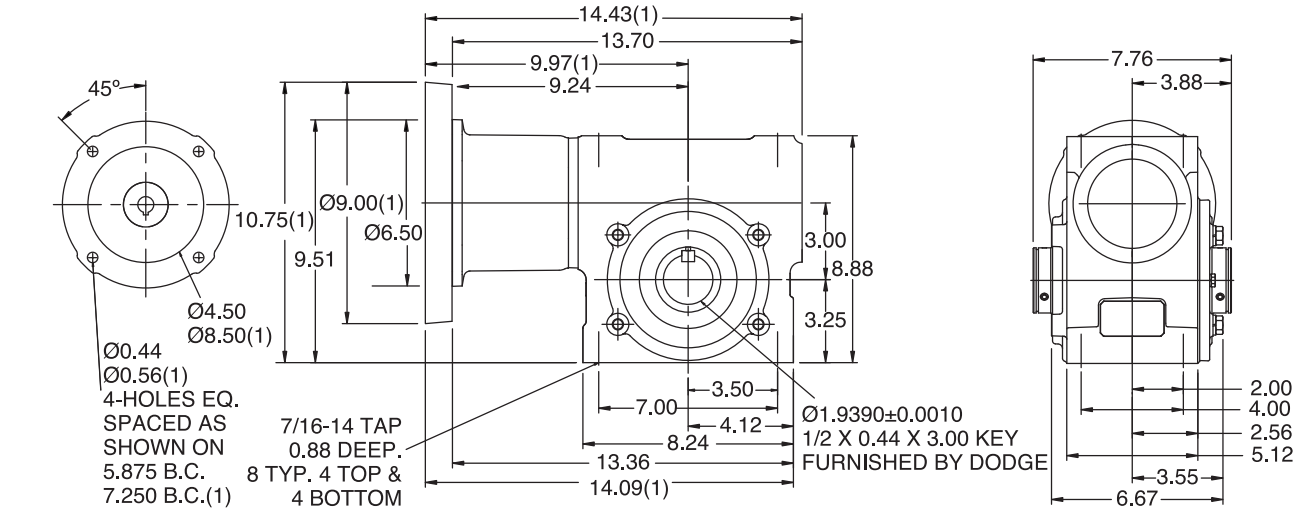
TIGEAR-2 Reducers With 3-Piece Coupled Input - Size 30

SOLID OUTPUT

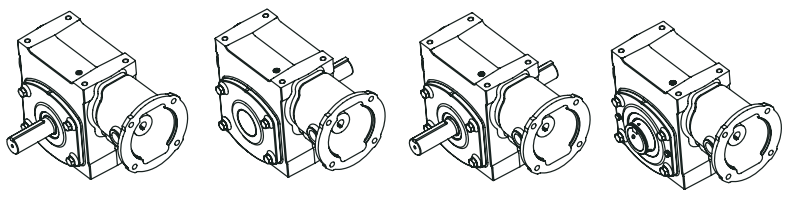


(1) DIMENSIONS APPLY TO 180 FRAME MOTOR ADAPTER

HOLLOW OUTPUT



OUTPUT SHAFT CONFIGURATIONS



L R LR H

FEATURES/BENEFITS PAGE G4-2	SPECIFICATION PAGE G4-8	NOMENCLATURE PAGE G4-9	RATINGS/DIMENSIONS PAGE G4-16

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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With Quill Input - Size 35

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	140TC	180TC	210TC	Shaft Position
5	350	Mechanical Input Hp	15.18		35Q05L14	35Q05L18	35Q05L21	L
		Thermal Input Hp	15.51		35Q05R14	35Q05R18	35Q05R21	R
		Output Torque (lb in.)	2593		35Q05LR14	35Q05LR18	35Q05LR21	LR
		Mechanical Output Hp	14.40		35Q05H14	35Q05H18	35Q05H21	HOLLOW
		Output OHL (lbs.)	2120					
7.5	233	Mechanical Input Hp	12.24		35Q07L14	35Q07L18	35Q07L21	L
		Thermal Input Hp	12.52		35Q07R14	35Q07R18	35Q07R21	R
		Output Torque (lb in.)	3054		35Q07LR14	35Q07LR18	35Q07LR21	LR
		Mechanical Output Hp	11.46		35Q07H14	35Q07H18	35Q07H21	HOLLOW
		Output OHL (lbs.)	2430					
10	175	Mechanical Input Hp	10.00		35Q10L14	35Q10L18	35Q10L21	L
		Thermal Input Hp	10.63		35Q10R14	35Q10R18	35Q10R21	R
		Output Torque (lb in.)	3310		35Q10LR14	35Q10LR18	35Q10LR21	LR
		Mechanical Output Hp	9.19		35Q10H14	35Q10H18	35Q10H21	HOLLOW
		Output OHL (lbs.)	2700					
12.7	138	Mechanical Input Hp	8.51		35Q12L14	35Q12L18	35Q12L21	L
		Thermal Input Hp	8.75		35Q12R14	35Q12R18	35Q12R21	R
		Output Torque (lb in.)	3530		35Q12LR14	35Q12LR18	35Q12LR21	LR
		Mechanical Output Hp	7.74		35Q12H14	35Q12H18	35Q12H21	HOLLOW
		Output OHL (lbs.)	2760					
15	117	Mechanical Input Hp	7.44		35Q15L14	35Q15L18		L
		Thermal Input Hp	7.56		35Q15R14	35Q15R18		R
		Output Torque (lb in.)	3599		35Q15LR14	35Q15LR18		LR
		Mechanical Output Hp	6.66		35Q15H14	35Q15H18		HOLLOW
		Output OHL (lbs.)	2760					
18	97	Available Upon Request						
20	88	Mechanical Input Hp	5.79		35Q20L14	35Q20L18		L
		Thermal Input Hp	5.97		35Q20R14	35Q20R18		R
		Output Torque (lb in.)	3620		35Q20LR14	35Q20LR18		LR
		Mechanical Output Hp	5.03		35Q20H14	35Q20H18		HOLLOW
		Output OHL (lbs.)	2760					
25	70	Mechanical Input Hp	4.72		35Q25L14	35Q25L18		L
		Thermal Input Hp	5.10		35Q25R14	35Q25R18		R
		Output Torque (lb in.)	3586		35Q25LR14	35Q25LR18		LR
		Mechanical Output Hp	3.98		35Q25H14	35Q25H18		HOLLOW
		Output OHL (lbs.)	2760					
30	58	Mechanical Input Hp	4.15	35Q30L56	35Q30L14	35Q30L18		L
		Thermal Input Hp	4.43	35Q30R56	35Q30R14	35Q30R18		R
		Output Torque (lb in.)	3682	35Q30LR56	35Q30LR14	35Q30LR18		LR
		Mechanical Output Hp	3.41	35Q30H56	35Q30H14	35Q30H18		HOLLOW
		Output OHL (lbs.)	2760					
40	44	Mechanical Input Hp	3.23	35Q40L56	35Q40L14	35Q40L18		L
		Thermal Input Hp	3.54	35Q40R56	35Q40R14	35Q40R18		R
		Output Torque (lb in.)	3622	35Q40LR56	35Q40LR14	35Q40LR18		LR
		Mechanical Output Hp	2.51	35Q40H56	35Q40H14	35Q40H18		HOLLOW
		Output OHL (lbs.)	2760					
50	35	Mechanical Input Hp	2.64	35Q50L56	35Q50L14			L
		Thermal Input Hp	2.94	35Q50R56	35Q50R14			R
		Output Torque (lb in.)	3485	35Q50LR56	35Q50LR14			LR
		Mechanical Output Hp	1.94	35Q50H56	35Q50H14			HOLLOW
		Output OHL (lbs.)	2760					
60	29	Mechanical Input Hp	2.19	35Q60L56	35Q60L14			L
		Thermal Input Hp	2.43	35Q60R56	35Q60R14			R
		Output Torque (lb in.)	3194	35Q60LR56	35Q60LR14			LR
		Mechanical Output Hp	1.48	35Q60H56	35Q60H14			HOLLOW
		Output OHL (lbs.)	2760					

Note: Reducers are shipped without a mounting base. Order bolt-on base kit **35BASE** if required.
Refer to page G4-118 for hollow bore bushing selections

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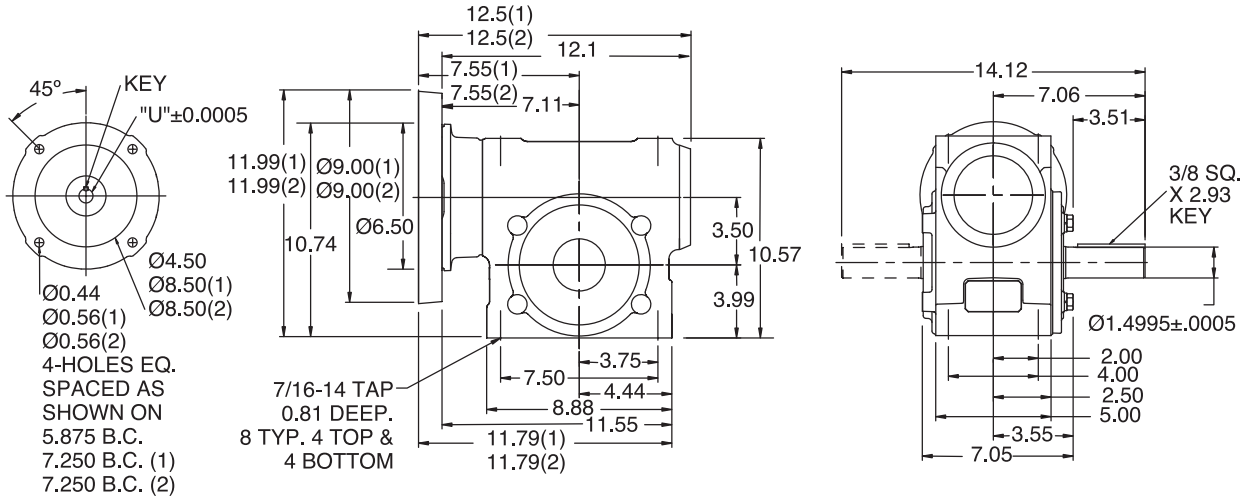
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RATINGS/DIMENSIONS

TIGEAR-2 Reducers With Quill Input - Size 35

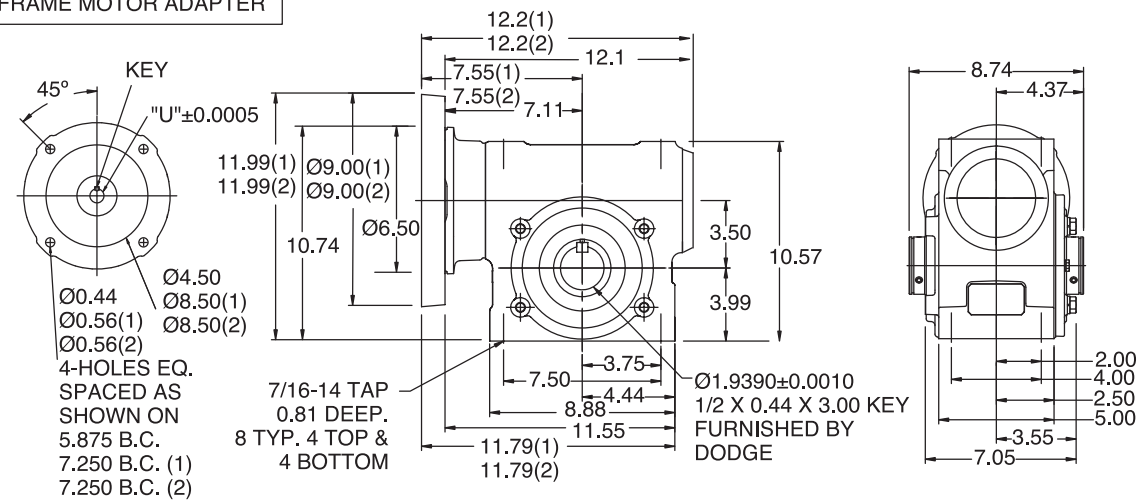
SOLID OUTPUT



(1) DIMENSIONS APPLY TO 180 FRAME MOTOR ADAPTER

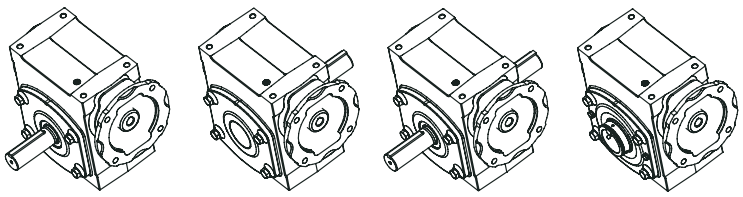
(2) DIMENSIONS APPLY TO 210 FRAME MOTOR ADAPTER

HOLLOW OUTPUT



MOTOR FRAME	DIM "U"	KEY
48Y 56C	Ø0.626	3/16 SQ. X 2.43 KEY
140TC 160ATC	Ø0.876	3/16 SQ X 2.43 KEY
180TC 180ATC	Ø1.126	1/4 SQ. X 2.36 KEY
210TC 210ATC	Ø1.376	5/16 SQ X 2.57 KEY

OUTPUT SHAFT CONFIGURATIONS



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Gearing Reference Guide
TORQUE-ARM II
TORQUE-ARM
MAXUM
TIGEAR-2

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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With Separate Input - Size 35

Ratio	Output RPM	Rating Data 1750 Input RPM		Separate Reducer	Shaft Position	Optional Motor Adapter Kit 56C	140TC	180TC	210TC
5	350	Mechanical Input Hp Thermal Input Hp Output Torque (lb in.) Mechanical Output Hp Output OHL (lbs.)	15.18 15.51 2593 14.4 2120	**35S05L** **35S05R** **35S05LR** **35S05H**	L R LR HOLLOW		**35MTR14**	**35MTR18**	**35MTR21**
7.5	233	Mechanical Input Hp Thermal Input Hp Output Torque (lb in.) Mechanical Output Hp Output OHL (lbs.)	12.24 12.52 3054 11.46 2430	**35S07L** **35S07R** **35S07LR** **35S07H**	L R LR HOLLOW		**35MTR14**	**35MTR18**	**35MTR21**
10	175	Mechanical Input Hp Thermal Input Hp Output Torque (lb in.) Mechanical Output Hp Output OHL (lbs.)	10 10.63 3310 9.19 2700	**35S10L** **35S10R** **35S10LR** **35S10H**	L R LR HOLLOW		**35MTR14**	**35MTR18**	**35MTR21**
12.7	138	Mechanical Input Hp Thermal Input Hp Output Torque (lb in.) Mechanical Output Hp Output OHL (lbs.)	8.51 8.75 3530 7.74 2760	**35S12L** **35S12R** **35S12LR** **35S12H**	L R LR HOLLOW		**35MTR14**	**35MTR18**	**35MTR21**
15	117	Mechanical Input Hp Thermal Input Hp Output Torque (lb in.) Mechanical Output Hp Output OHL (lbs.)	7.44 7.56 3599 6.66 2760	**35S15L** **35S15R** **35S15LR** **35S15H**	L R LR HOLLOW		**35MTR14**	**35MTR18**	
18	97	Available Upon Request							
20	88	Mechanical Input Hp Thermal Input Hp Output Torque (lb in.) Mechanical Output Hp Output OHL (lbs.)	5.79 5.97 3620 5.03 2760	**35S20L** **35S20R** **35S20LR** **35S20H**	L R LR HOLLOW		**35MTR14**	**35MTR18**	
25	70	Mechanical Input Hp Thermal Input Hp Output Torque (lb in.) Mechanical Output Hp Output OHL (lbs.)	4.72 5.1 3586 3.98 2760	**35S25L** **35S25R** **35S25LR** **35S25H**	L R LR HOLLOW		**35MTR14**	**35MTR18**	
30	58	Mechanical Input Hp Thermal Input Hp Output Torque (lb in.) Mechanical Output Hp Output OHL (lbs.)	4.15 4.43 3682 3.41 2760	**35S30L** **35S30R** **35S30LR** **35S30H**	L R LR HOLLOW	**35MTR56**	**35MTR14**	**35MTR18**	
40	44	Mechanical Input Hp Thermal Input Hp Output Torque (lb in.) Mechanical Output Hp Output OHL (lbs.)	3.23 3.54 3622 2.51 2760	**35S40L** **35S40R** **35S40LR** **35S40H**	L R LR HOLLOW	**35MTR56**	**35MTR14**	**35MTR18**	
50	35	Mechanical Input Hp Thermal Input Hp Output Torque (lb in.) Mechanical Output Hp Output OHL (lbs.)	2.64 2.94 3485 1.94 2760	**35S50L** **35S50R** **35S50LR** **35S50H**	L R LR HOLLOW	**35MTR56**	**35MTR14**		
60	29	Mechanical Input Hp Thermal Input Hp Output Torque (lb in.) Mechanical Output Hp Output OHL (lbs.)	2.19 2.43 3194 1.48 2760	**35S60L** **35S60R** **35S60LR** **35S60H**	L R LR HOLLOW	**35MTR56**	**35MTR14**		
All Ratios		Input OHL (lbs)	330	One diameter from seal surface					

Note: TIGEAR-2 separate reducers cannot be used with the old Adaptable TIGEAR motor adapter kits.
Refer to page G4-118 for hollow bore bushing selections

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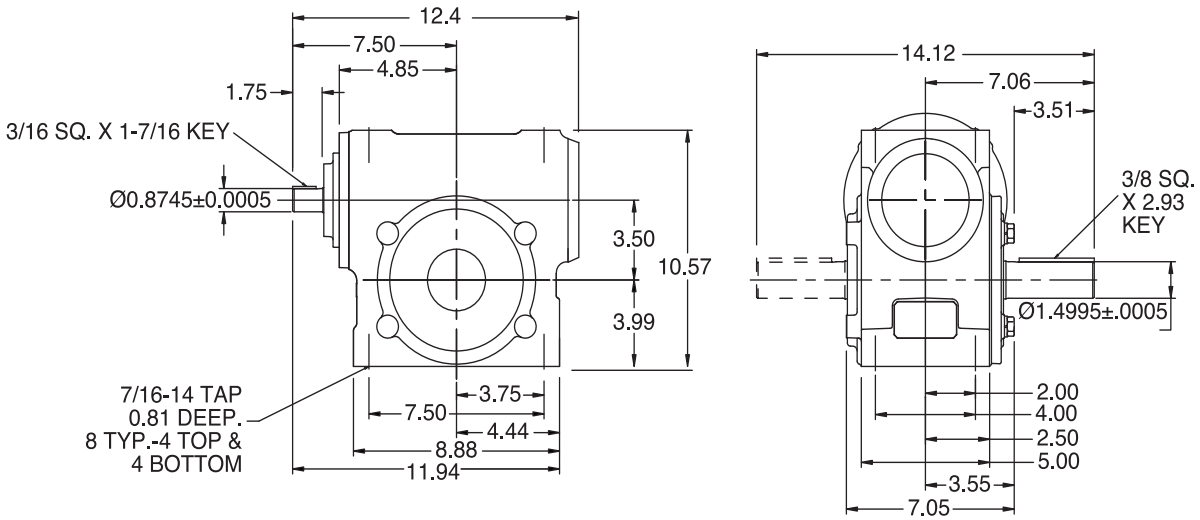
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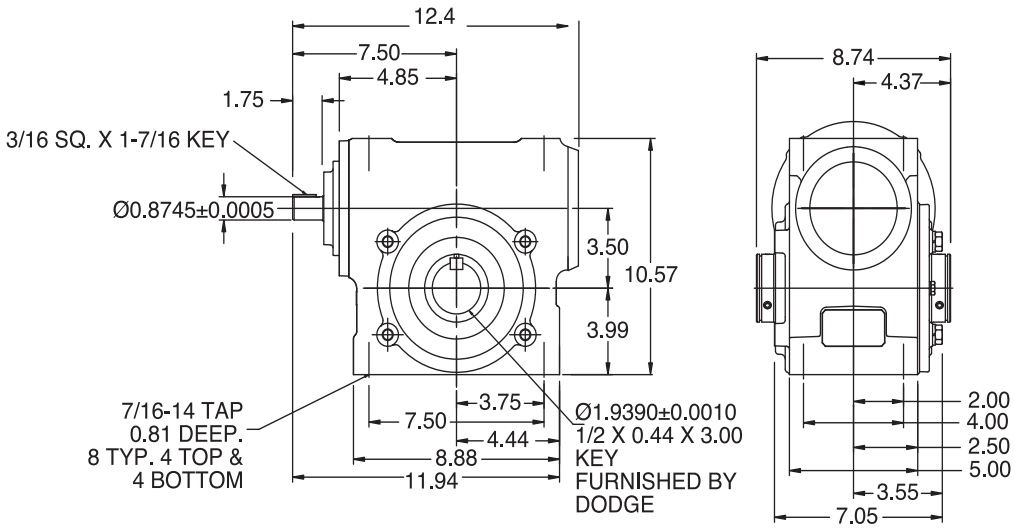
RATINGS/DIMENSIONS

TIGEAR-2 Reducers With Separate Input - Size 35

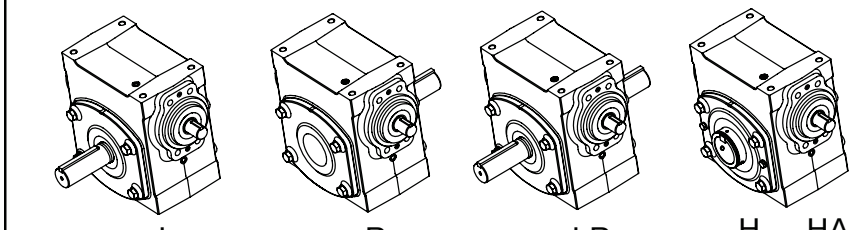
SOLID OUTPUT



HOLLOW OUTPUT



OUTPUT SHAFT CONFIGURATIONS



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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With 3-Piece Coupled Input - Size 35

3-Piece Coupled units include a Separate reducer, 3-piece coupling and motor adapter housing assembled together.
These assemblies are normally "made to order" with a 5 day standard lead time.

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	140TC	180TC	210TC	Shaft Position
5	350	Mechanical Input Hp	15.18		35A05L14	35A05L18	35A05L21	L
		Thermal Input Hp	15.51		35A05R14	35A05R18	35A05R21	R
		Output Torque (lb in.)	2593		35A05LR14	35A05LR18	35A05LR21	LR
		Mechanical Output Hp	14.40		35A05H14	35A05H18	35A05H21	HOLLOW
		Output OHL (lbs.)	2120					
7.5	233	Mechanical Input Hp	12.24		35A07L14	35A07L18	35A07L21	L
		Thermal Input Hp	12.52		35A07R14	35A07R18	35A07R21	R
		Output Torque (lb in.)	3054		35A07LR14	35A07LR18	35A07LR21	LR
		Mechanical Output Hp	11.46		35A07H14	35A07H18	35A07H21	HOLLOW
		Output OHL (lbs.)	2430					
10	175	Mechanical Input Hp	10.00		35A10L14	35A10L18	35A10L21	L
		Thermal Input Hp	10.63		35A10R14	35A10R18	35A10R21	R
		Output Torque (lb in.)	3310		35A10LR14	35A10LR18	35A10LR21	LR
		Mechanical Output Hp	9.19		35A10H14	35A10H18	35A10H21	HOLLOW
		Output OHL (lbs.)	2700					
12.7	138	Mechanical Input Hp	8.51		35A12L14	35A12L18	35A12L21	L
		Thermal Input Hp	8.75		35A12R14	35A12R18	35A12R21	R
		Output Torque (lb in.)	3530		35A12LR14	35A12LR18	35A12LR21	LR
		Mechanical Output Hp	7.74		35A12H14	35A12H18	35A12H21	HOLLOW
		Output OHL (lbs.)	2760					
15	117	Mechanical Input Hp	7.44		35A15L14	35A15L18		L
		Thermal Input Hp	7.56		35A15R14	35A15R18		R
		Output Torque (lb in.)	3599		35A15LR14	35A15LR18		LR
		Mechanical Output Hp	6.66		35A15H14	35A15H18		HOLLOW
		Output OHL (lbs.)	2760					
18	97	Available Upon Request						
20	88	Mechanical Input Hp	5.79		35A20L14	35A20L18		L
		Thermal Input Hp	5.97		35A20R14	35A20R18		R
		Output Torque (lb in.)	3620		35A20LR14	35A20LR18		LR
		Mechanical Output Hp	5.03		35A20H14	35A20H18		HOLLOW
		Output OHL (lbs.)	2760					
25	70	Mechanical Input Hp	4.72		35A25L14	35A25L18		L
		Thermal Input Hp	5.10		35A25R14	35A25R18		R
		Output Torque (lb in.)	3586		35A25LR14	35A25LR18		LR
		Mechanical Output Hp	3.98		35A25H14	35A25H18		HOLLOW
		Output OHL (lbs.)	2760					
30	58	Mechanical Input Hp	4.15	35A30L56	35A30L14	35A30L18		L
		Thermal Input Hp	4.43	35A30R56	35A30R14	35A30R18		R
		Output Torque (lb in.)	3682	35A30LR56	35A30LR14	35A30LR18		LR
		Mechanical Output Hp	3.41	35A30H56	35A30H14	35A30H18		HOLLOW
		Output OHL (lbs.)	2760					
40	44	Mechanical Input Hp	3.23	35A40L56	35A40L14	35A40L18		L
		Thermal Input Hp	3.54	35A40R56	35A40R14	35A40R18		R
		Output Torque (lb in.)	3622	35A40LR56	35A40LR14	35A40LR18		LR
		Mechanical Output Hp	2.51	35A40H56	35A40H14	35A40H18		HOLLOW
		Output OHL (lbs.)	2760					
50	35	Mechanical Input Hp	2.64	35A50L56	35A50L14			L
		Thermal Input Hp	2.94	35A50R56	35A50R14			R
		Output Torque (lb in.)	3485	35A50LR56	35A50LR14			LR
		Mechanical Output Hp	1.94	35A50H56	35A50H14			HOLLOW
		Output OHL (lbs.)	2760					
60	29	Mechanical Input Hp	2.19	35A60L56	35A60L14			L
		Thermal Input Hp	2.43	35A60R56	35A60R14			R
		Output Torque (lb in.)	3194	35A60LR56	35A60LR14			LR
		Mechanical Output Hp	1.48	35A60H56	35A60H14			HOLLOW
		Output OHL (lbs.)	2760					

Note: Reducers are shipped without a mounting base. Order bolt-on base kit **35BASE** if required.
Refer to page G4-118 for hollow bore bushing selections

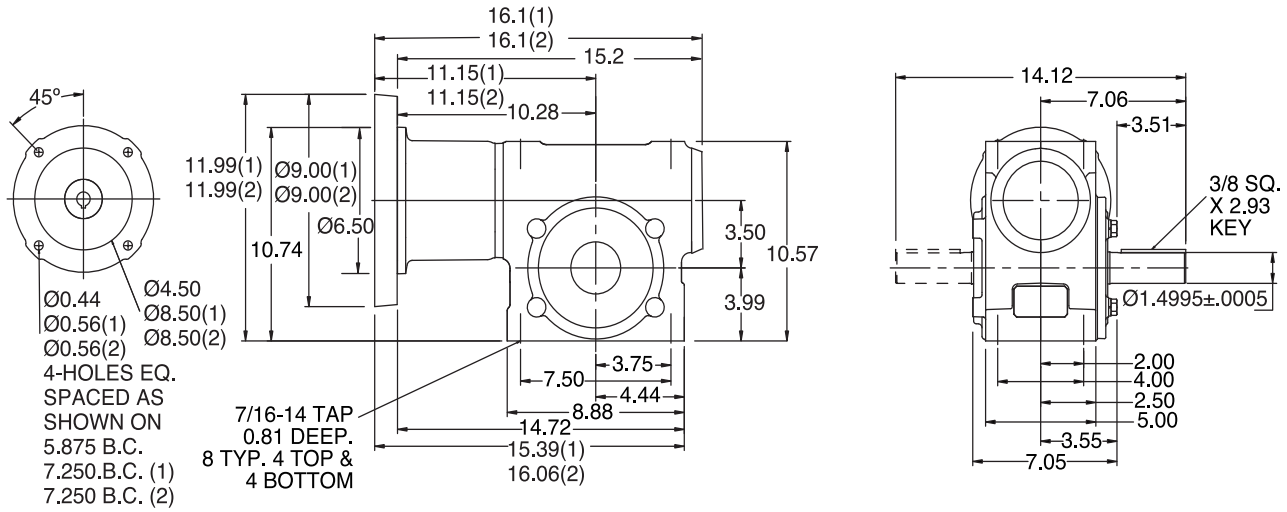
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RATINGS/DIMENSIONS

TIGEAR-2 Reducers With 3-Piece Coupled Input - Size 35

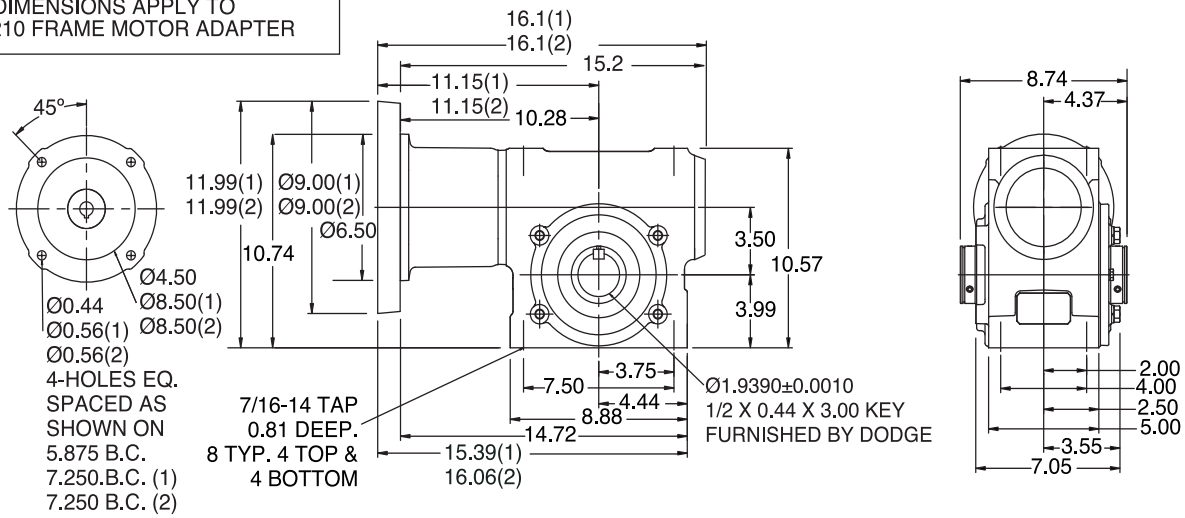
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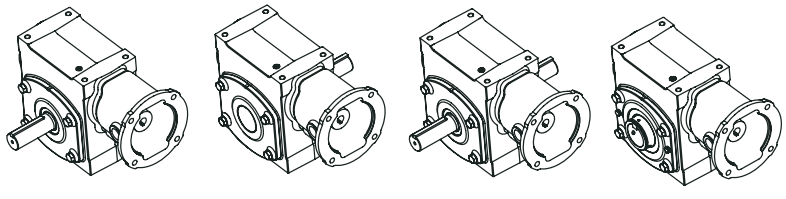
(1) DIMENSIONS APPLY TO 180 FRAME MOTOR ADAPTER

(2) DIMENSIONS APPLY TO 210 FRAME MOTOR ADAPTER

HOLLOW OUTPUT



OUTPUT SHAFT CONFIGURATIONS



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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With Quill Input - Size 40

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 140TC	180TC	210TC	250TC	Shaft Position
		Mechanical Input Hp	20.24			**40Q05L21**	**40Q05L25**	L
		Thermal Input Hp	22.20			**40Q05R21**	**40Q05R25**	R
5	**350**	Output Torque (lb in.)	3449			**40Q05LR21**	**40Q05LR25**	LR
		Mechanical Output Hp	19.15			**40Q05H21**	**40Q05H25**	HOLLOW
		Output OHL (lbs.)	2860					
		Mechanical Input Hp	16.38			**40Q07L21**	**40Q07L25**	L
		Thermal Input Hp	17.56			**40Q07R21**	**40Q07R25**	R
7.5	**233**	Output Torque (lb in.)	4071			**40Q07LR21**	**40Q07LR25**	LR
		Mechanical Output Hp	15.27			**40Q07H21**	**40Q07H25**	HOLLOW
		Output OHL (lbs.)	3280					
		Mechanical Input Hp	13.33			**40Q10L21**		L
		Thermal Input Hp	14.96			**40Q10R21**		R
10	**175**	Output Torque (lb in.)	4418			**40Q10LR21**		LR
		Mechanical Output Hp	12.27			**40Q10H21**		HOLLOW
		Output OHL (lbs.)	3640					
12.7	**138**	Available Upon Request						
		Mechanical Input Hp	10.01		**40Q15L18**	**40Q15L21**		L
		Thermal Input Hp	10.16		**40Q15R18**	**40Q15R21**		R
15	**117**	Output Torque (lb in.)	4804		**40Q15LR18**	**40Q15LR21**		LR
		Mechanical Output Hp	8.89		**40Q15H18**	**40Q15H21**		HOLLOW
		Output OHL (lbs.)	4190					
		Mechanical Input Hp	7.75		**40Q20L18**	**40Q20L21**		L
		Thermal Input Hp	8.14		**40Q20R18**	**40Q20R21**		R
20	**88**	Output Torque (lb in.)	4822		**40Q20LR18**	**40Q20LR21**		LR
		Mechanical Output Hp	6.69		**40Q20H18**	**40Q20H21**		HOLLOW
		Output OHL (lbs.)	4300					
		Mechanical Input Hp	6.35		**40Q25L18**			L
		Thermal Input Hp	6.45		**40Q25R18**			R
25	**70**	Output Torque (lb in.)	4722		**40Q25LR18**			LR
		Mechanical Output Hp	5.25		**40Q25H18**			HOLLOW
		Output OHL (lbs.)	4300					
		Mechanical Input Hp	5.61		**40Q30L18**			L
		Thermal Input Hp	5.78		**40Q30R18**			R
30	**58**	Output Torque (lb in.)	4898		**40Q30LR18**			LR
		Mechanical Output Hp	4.53		**40Q30H18**			HOLLOW
		Output OHL (lbs.)	4300					
		Mechanical Input Hp	4.43	**40Q40L14**	**40Q40L18**			L
		Thermal Input Hp	4.50	**40Q40R14**	**40Q40R18**			R
40	**44**	Output Torque (lb in.)	4800	**40Q40LR14**	**40Q40LR18**			LR
		Mechanical Output Hp	3.33	**40Q40H14**	**40Q40H18**			HOLLOW
		Output OHL (lbs.)	4300					
		Mechanical Input Hp	3.63	**40Q50L14**	**40Q50L18**			L
		Thermal Input Hp	3.66	**40Q50R14**	**40Q50R18**			R
50	**35**	Output Torque (lb in.)	4559	**40Q50LR14**	**40Q50LR18**			LR
		Mechanical Output Hp	2.53	**40Q50H14**	**40Q50H18**			HOLLOW
		Output OHL (lbs.)	4300					
		Mechanical Input Hp	3.00	**40Q60L14**	**40Q60L18**			L
		Thermal Input Hp	3.21	**40Q60R14**	**40Q60R18**			R
60	**29**	Output Torque (lb in.)	4166	**40Q60LR14**	**40Q60LR18**			LR
		Mechanical Output Hp	1.93	**40Q60H14**	**40Q60H18**			HOLLOW
		Output OHL (lbs.)	4300					

Note: Reducers are shipped without a mounting base. Order bolt-on base kit **40BASE** if required.
Refer to page G4-118 for hollow bore bushing selections

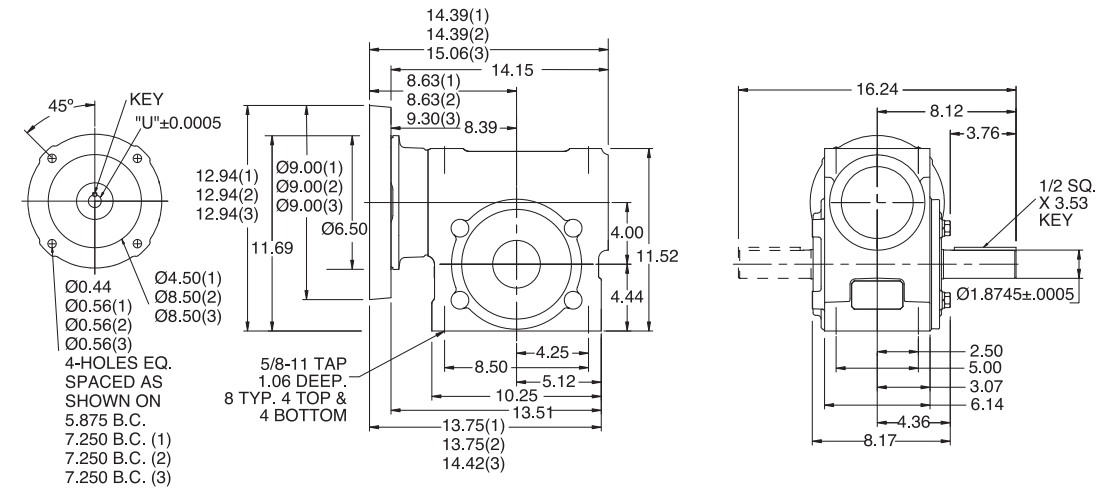
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RATINGS/DIMENSIONS

TIGEAR-2 Reducers With Quill Input - Size 40

SOLID OUTPUT

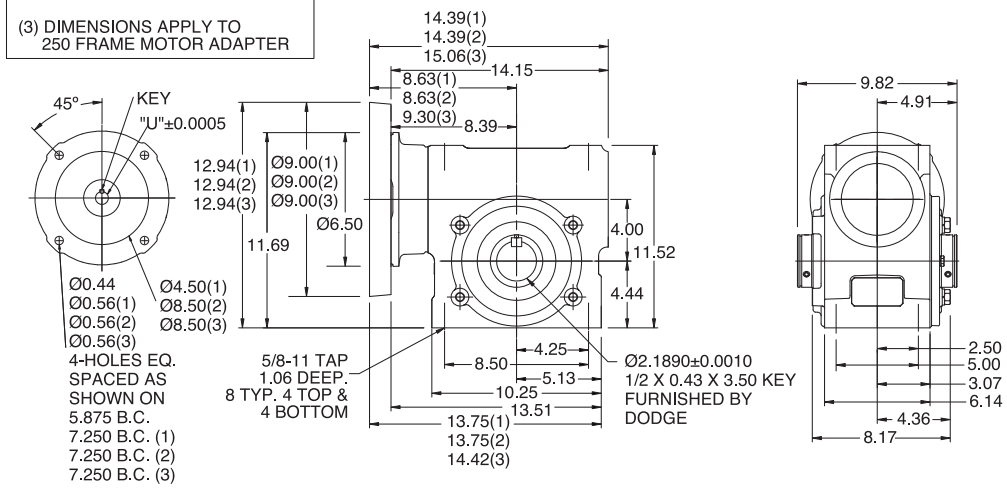


(1) DIMENSIONS APPLY TO 180 FRAME MOTOR ADAPTER

(2) DIMENSIONS APPLY TO 210 FRAME MOTOR ADAPTER

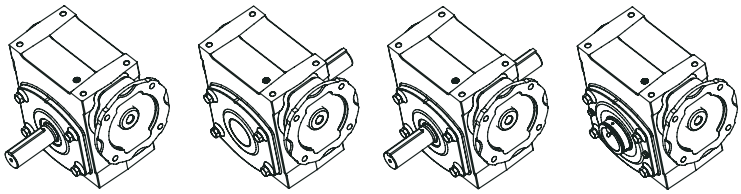
(3) DIMENSIONS APPLY TO 250 FRAME MOTOR ADAPTER

HOLLOW OUTPUT



MOTOR FRAME	DIM "U"	KEY
140TC 160ATC	Ø0.876	3/16 SQ X 2.75 KEY
180TC 180ATC	Ø1.126	1/4 SQ. X 2.96 KEY
210TC 210ATC	Ø1.376	5/16 SQ X 3.11 KEY
250TC 250ATC	Ø1.626	3/8 SQ X 3.38 KEY

OUTPUT SHAFT CONFIGURATIONS



L R LR H

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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With Separate Input - Size 40

Ratio	Output RPM	Rating Data 1750 Input RPM		Separate Reducer	Shaft Position	Optional Motor Adapter Kit 140TC	180TC	210TC	250TC
		Mechanical Input Hp	20.24	**40S05L**	L				
		Thermal Input Hp	22.2	**40S05R**	R				
5	**350**	Output Torque (lb in.)	3449	**40S05LR**	LR			**4047MTR21**	**4047MTR25**
		Mechanical Output Hp	19.15	**40S05H**	HOLLOW				
		Output OHL (lbs.)	2860						
		Mechanical Input Hp	16.38	**40S07L**	L				
		Thermal Input Hp	17.56	**40S07R**	R				
7.5	**233**	Output Torque (lb in.)	4071	**40S07LR**	LR			**4047MTR21**	**4047MTR25**
		Mechanical Output Hp	15.27	**40S07H**	HOLLOW				
		Output OHL (lbs.)	3280						
		Mechanical Input Hp	13.33	**40S10L**	L				
		Thermal Input Hp	14.96	**40S10R**	R				
10	**175**	Output Torque (lb in.)	4418	**40S10LR**	LR			**4047MTR21**	
		Mechanical Output Hp	12.27	**40S10H**	HOLLOW				
		Output OHL (lbs.)	3640						
12.7	**138**	Available Upon Request							
		Mechanical Input Hp	10.01	**40S15L**	L				
		Thermal Input Hp	10.16	**40S15R**	R				
15	**117**	Output Torque (lb in.)	4804	**40S15LR**	LR		**4047MTR18**	**4047MTR21**	
		Mechanical Output Hp	8.89	**40S15H**	HOLLOW				
		Output OHL (lbs.)	4190						
		Mechanical Input Hp	7.75	**40S20L**	L				
		Thermal Input Hp	8.14	**40S20R**	R				
20	**88**	Output Torque (lb in.)	4822	**40S20LR**	LR		**4047MTR18**	**4047MTR21**	
		Mechanical Output Hp	6.69	**40S20H**	HOLLOW				
		Output OHL (lbs.)	4300						
		Mechanical Input Hp	6.35	**40S25L**	L				
		Thermal Input Hp	6.45	**40S25R**	R				
25	**70**	Output Torque (lb in.)	4722	**40S25LR**	LR		**4047MTR18**		
		Mechanical Output Hp	5.25	**40S25H**	HOLLOW				
		Output OHL (lbs.)	4300						
		Mechanical Input Hp	5.61	**40S30L**	L				
		Thermal Input Hp	5.78	**40S30R**	R				
30	**58**	Output Torque (lb in.)	4898	**40S30LR**	LR		**4047MTR18**		
		Mechanical Output Hp	4.53	**40S30H**	HOLLOW				
		Output OHL (lbs.)	4300						
		Mechanical Input Hp	4.43	**40S40L**	L				
		Thermal Input Hp	4.50	**40S40R**	R				
40	**44**	Output Torque (lb in.)	4800	**40S40LR**	LR	**4047MTR14**	**4047MTR18**		
		Mechanical Output Hp	3.33	**40S40H**	HOLLOW				
		Output OHL (lbs.)	4300						
		Mechanical Input Hp	3.63	**40S50L**	L				
		Thermal Input Hp	3.66	**40S50R**	R				
50	**35**	Output Torque (lb in.)	4559	**40S50LR**	LR	**4047MTR14**	**4047MTR18**		
		Mechanical Output Hp	2.53	**40S50H**	HOLLOW				
		Output OHL (lbs.)	4300						
		Mechanical Input Hp	3.00	**40S60L**	L				
		Thermal Input Hp	3.21	**40S60R**	R				
60	**29**	Output Torque (lb in.)	4166	**40S60LR**	LR	**4047MTR14**	**4047MTR18**		
		Mechanical Output Hp	1.93	**40S60H**	HOLLOW				
		Output OHL (lbs.)	4300						
All Ratios		Input OHL (lbs)	400	One diameter from seal surface					

Note: Reducers are shipped without a mounting base. Order bolt-on base kit **40BASE** if required.
Refer to page G4-118 for hollow bore bushing selections

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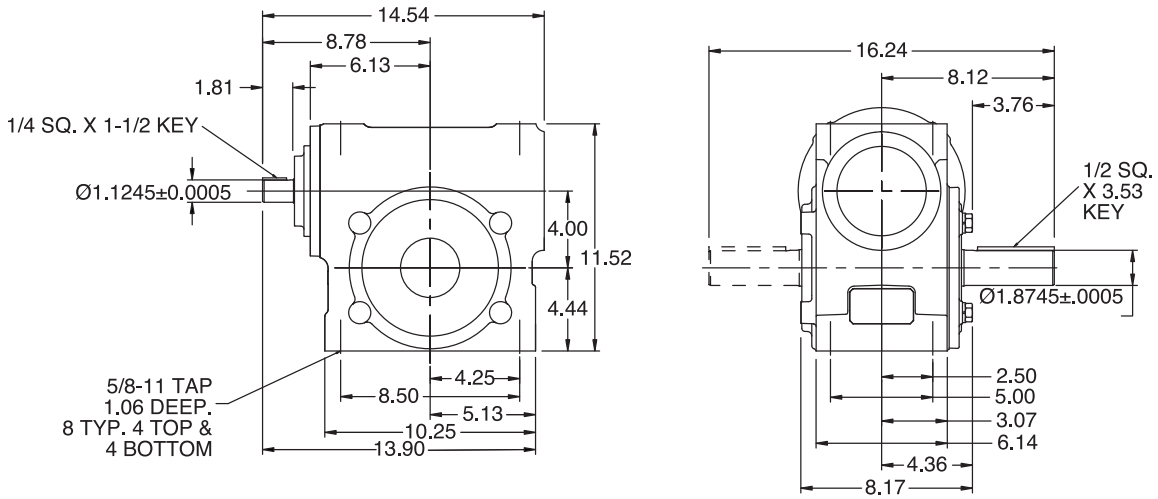
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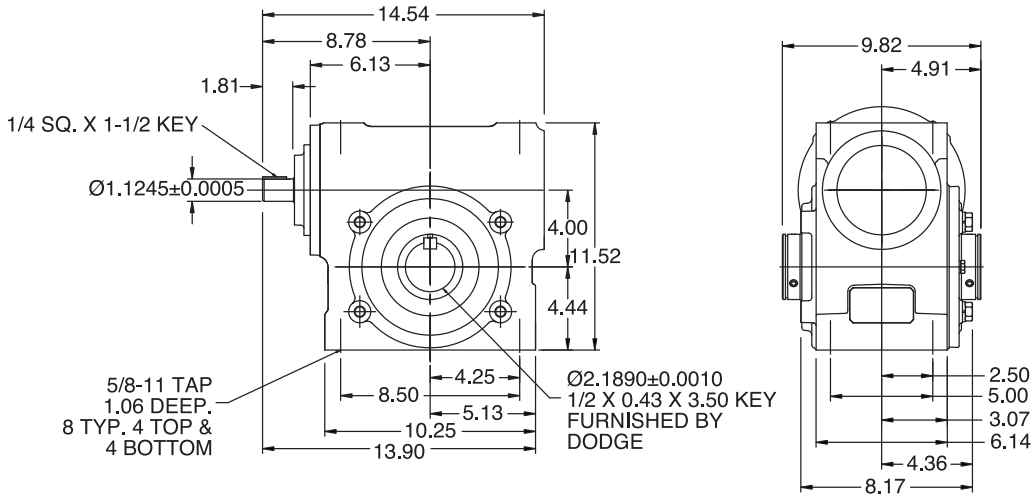
RATINGS/DIMENSIONS

Tigear-2 Reducers With Separate Input - Size 40

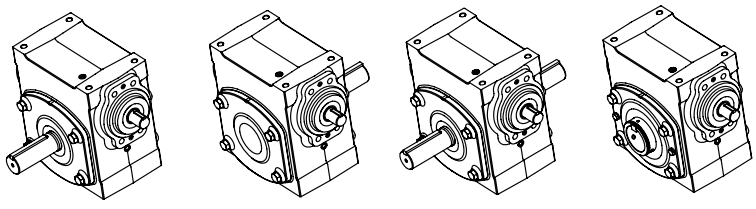
SOLID OUTPUT



HOLLOW OUTPUT



OUTPUT SHAFT CONFIGURATIONS



FEATURES/BENEFITS PAGE G4-2	SPECIFICATION PAGE G4-8	NOMENCLATURE PAGE G4-9	RATINGS/DIMENSIONS PAGE G4-16

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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With 3-Piece Coupled Input - Size 40

3-Piece Coupled units include a Separate reducer, 3-piece coupling and motor adapter housing assembled together.
These assemblies are normally "made to order" with a 5 day standard lead time.

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 140TC	180TC	210TC	250TC	Shaft Position
		Mechanical Input Hp	20.24			**40A05L21**	**40A05L25**	L
		Thermal Input Hp	22.20			**40A05R21**	**40A05R25**	R
5	**350**	Output Torque (lb in.)	3449			**40A05LR21**	**40A05LR25**	LR
		Mechanical Output Hp	19.15			**40A05H21**	**40A05H25**	HOLLOW
		Output OHL (lbs.)	2860					
		Mechanical Input Hp	16.38			**40A07L21**	**40A07L25**	L
		Thermal Input Hp	17.56			**40A07R21**	**40A07R25**	R
7.5	**233**	Output Torque (lb in.)	4071			**40A07LR21**	**40A07LR25**	LR
		Mechanical Output Hp	15.27			**40A07H21**	**40A07H25**	HOLLOW
		Output OHL (lbs.)	3280					
		Mechanical Input Hp	13.33			**40A10L21**		L
		Thermal Input Hp	14.96			**40A10R21**		R
10	**175**	Output Torque (lb in.)	4418			**40A10LR21**		LR
		Mechanical Output Hp	12.27			**40A10H21**		HOLLOW
		Output OHL (lbs.)	3640					
12.7	**138**	Available Upon Request						
		Mechanical Input Hp	10.01		**40A15L18**	**40A15L21**		L
		Thermal Input Hp	10.16		**40A15R18**	**40A15R21**		R
15	**117**	Output Torque (lb in.)	4804		**40A15LR18**	**40A15LR21**		LR
		Mechanical Output Hp	8.89		**40A15H18**	**40A15H21**		HOLLOW
		Output OHL (lbs.)	4190					
		Mechanical Input Hp	7.75		**40A20L18**	**40A20L21**		L
		Thermal Input Hp	8.14		**40A20R18**	**40A20R21**		R
20	**88**	Output Torque (lb in.)	4822		**40A20LR18**	**40A20LR21**		LR
		Mechanical Output Hp	6.69		**40A20H18**	**40A20H21**		HOLLOW
		Output OHL (lbs.)	4300					
		Mechanical Input Hp	6.35		**40A25L18**			L
		Thermal Input Hp	6.45		**40A25R18**			R
25	**70**	Output Torque (lb in.)	4722		**40A25LR18**			LR
		Mechanical Output Hp	5.25		**40A25H18**			HOLLOW
		Output OHL (lbs.)	4300					
		Mechanical Input Hp	5.61		**40A30L18**			L
		Thermal Input Hp	5.78		**40A30R18**			R
30	**58**	Output Torque (lb in.)	4898		**40A30LR18**			LR
		Mechanical Output Hp	4.53		**40A30H18**			HOLLOW
		Output OHL (lbs.)	4300					
		Mechanical Input Hp	4.43	**40A40L14**	**40A40L18**			L
		Thermal Input Hp	4.50	**40A40R14**	**40A40R18**			R
40	**44**	Output Torque (lb in.)	4800	**40A40LR14**	**40A40LR18**			LR
		Mechanical Output Hp	3.33	**40A40H14**	**40A40H18**			HOLLOW
		Output OHL (lbs.)	4300					
		Mechanical Input Hp	3.63	**40A50L14**	**40A50L18**			L
		Thermal Input Hp	3.66	**40A50R14**	**40A50R18**			R
50	**35**	Output Torque (lb in.)	4559	**40A50LR14**	**40A50LR18**			LR
		Mechanical Output Hp	2.53	**40A50H14**	**40A50H18**			HOLLOW
		Output OHL (lbs.)	4300					
		Mechanical Input Hp	3.00	**40A60L14**	**40A60L18**			L
		Thermal Input Hp	3.21	**40A60R14**	**40A60R18**			R
60	**29**	Output Torque (lb in.)	4166	**40A60LR14**	**40A60LR18**			LR
		Mechanical Output Hp	1.93	**40A60H14**	**40A60H18**			HOLLOW
		Output OHL (lbs.)	4300					

Note: Reducers are shipped without a mounting base. Order bolt-on base kit **40BASE** if required.
Refer to page G4-118 for hollow bore bushing selections

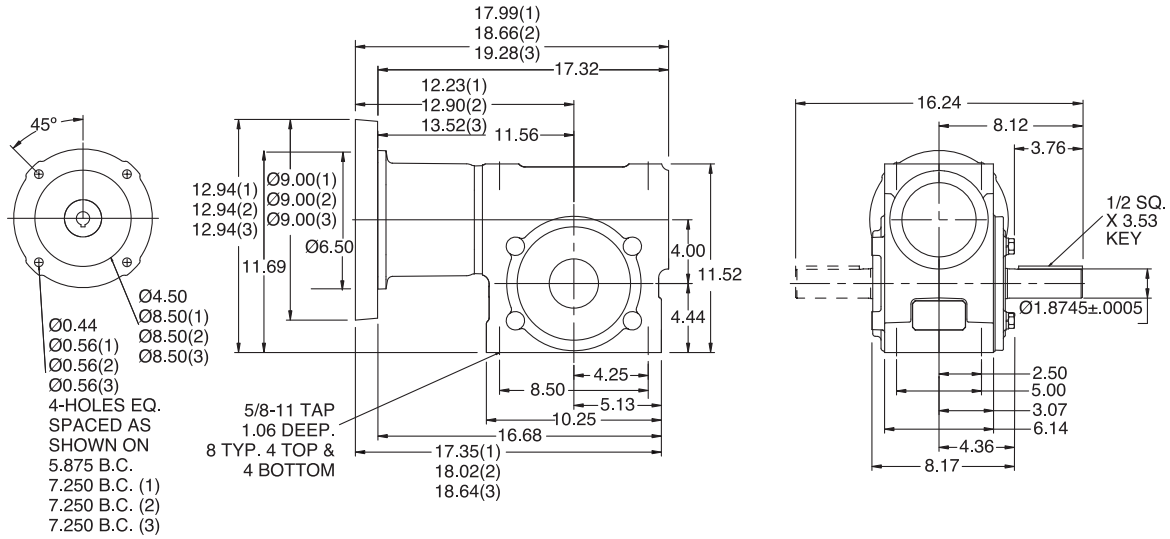
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TIGEAR-2 Reducers With 3-Piece Coupled Input - Size 40

SOLID OUTPUT

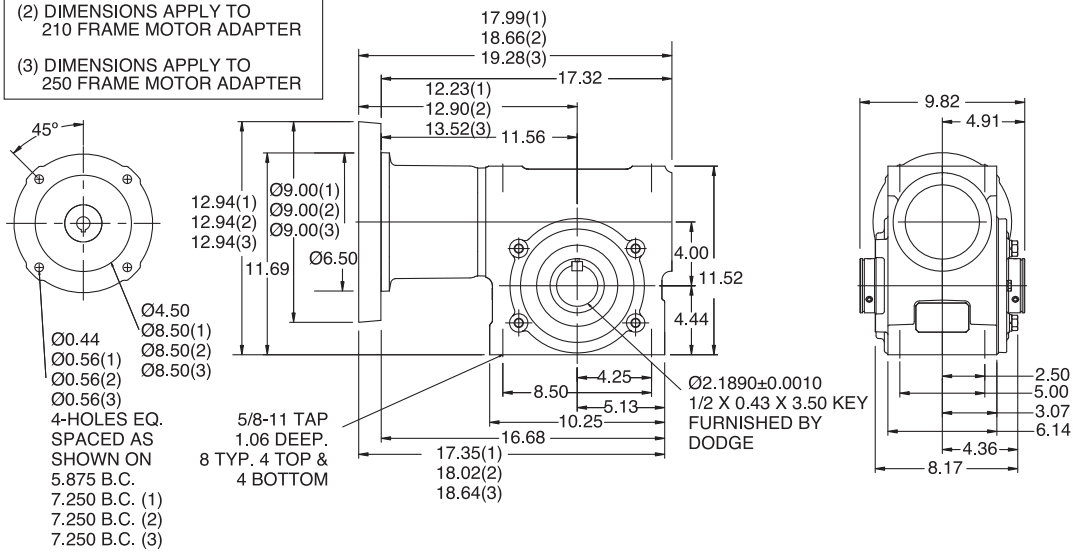


(1) DIMENSIONS APPLY TO 180 FRAME MOTOR ADAPTER

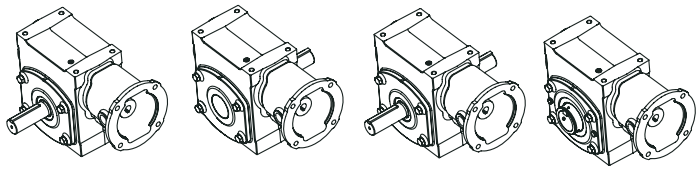
(2) DIMENSIONS APPLY TO 210 FRAME MOTOR ADAPTER

(3) DIMENSIONS APPLY TO 250 FRAME MOTOR ADAPTER

HOLLOW OUTPUT



OUTPUT SHAFT CONFIGURATIONS



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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With Quill Input - Size 47

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 180TC	Part Number 210TC	Part Number 250TC	Shaft Position
5	350	Mechanical Input Hp	28.45			47Q05L25	L
		Thermal Input Hp	29.12			47Q05R25	R
		Output Torque (lb in.)	4832			47Q05LR25	LR
		Mechanical Output Hp	26.84			47Q05H25	HOLLOW
		Output OHL (lbs.)	5100				
7.5	233	Mechanical Input Hp	23.35			47Q07L25	L
		Thermal Input Hp	24.37			47Q07R25	R
		Output Torque (lb in.)	5801			47Q07LR25	LR
		Mechanical Output Hp	21.77			47Q07H25	HOLLOW
		Output OHL (lbs.)	5600				
10	175	Mechanical Input Hp	19.27		47Q10L21	47Q10L25	L
		Thermal Input Hp	20.08		47Q10R21	47Q10R25	R
		Output Torque (lb in.)	6390		47Q10LR21	47Q10LR25	LR
		Mechanical Output Hp	17.74		47Q10H21	47Q10H25	HOLLOW
		Output OHL (lbs.)	5600				
15	117	Mechanical Input Hp	14.05		47Q15L21		L
		Thermal Input Hp	14.14		47Q15R21		R
		Output Torque (lb in.)	6739		47Q15LR21		LR
		Mechanical Output Hp	12.47		47Q15H21		HOLLOW
		Output OHL (lbs.)	5600				
20	88	Mechanical Input Hp	10.82		47Q20L21		L
		Thermal Input Hp	10.96		47Q20R21		R
		Output Torque (lb in.)	6659		47Q20LR21		LR
		Mechanical Output Hp	9.24		47Q20H21		HOLLOW
		Output OHL (lbs.)	5600				
25	70	Mechanical Input Hp	8.76	47Q25L18	47Q25L21		L
		Thermal Input Hp	8.09	47Q25R18	47Q25R21		R
		Output Torque (lb in.)	6410	47Q25LR18	47Q25LR21		LR
		Mechanical Output Hp	7.12	47Q25H18	47Q25H21		HOLLOW
		Output OHL (lbs.)	5600				
30	58	Mechanical Input Hp	7.95	47Q30L18			L
		Thermal Input Hp	7.22	47Q30R18			R
		Output Torque (lb in.)	6845	47Q30LR18			LR
		Mechanical Output Hp	6.34	47Q30H18			HOLLOW
		Output OHL (lbs.)	5600				
40	44	Mechanical Input Hp	6.21	47Q40L18			L
		Thermal Input Hp	5.66	47Q40R18			R
		Output Torque (lb in.)	6644	47Q40LR18			LR
		Mechanical Output Hp	4.61	47Q40H18			HOLLOW
		Output OHL (lbs.)	5600				
50	35	Mechanical Input Hp	5.05	47Q50L18			L
		Thermal Input Hp	4.42	47Q50R18			R
		Output Torque (lb in.)	6241	47Q50LR18			LR
		Mechanical Output Hp	3.47	47Q50H18			HOLLOW
		Output OHL (lbs.)	5600				
60	29	Mechanical Input Hp	4.12	47Q60L18			L
		Thermal Input Hp	3.65	47Q60R18			R
		Output Torque (lb in.)	5683	47Q60LR18			LR
		Mechanical Output Hp	2.63	47Q60H18			HOLLOW
		Output OHL (lbs.)	5600				

Note: Reducers are shipped without a mounting base. Order bolt-on base kit **47BASE** if required.
Refer to page G4-118 for hollow bore bushing selections

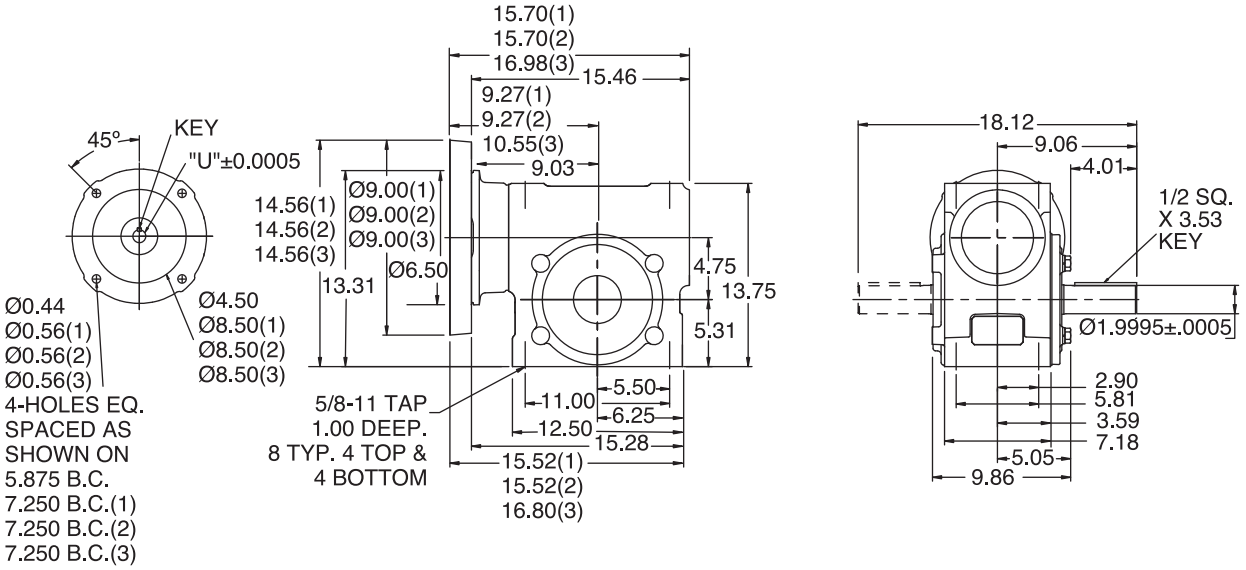
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RATINGS/DIMENSIONS

TIGEAR-2 Reducers With Quill Input - Size 47

SOLID OUTPUT

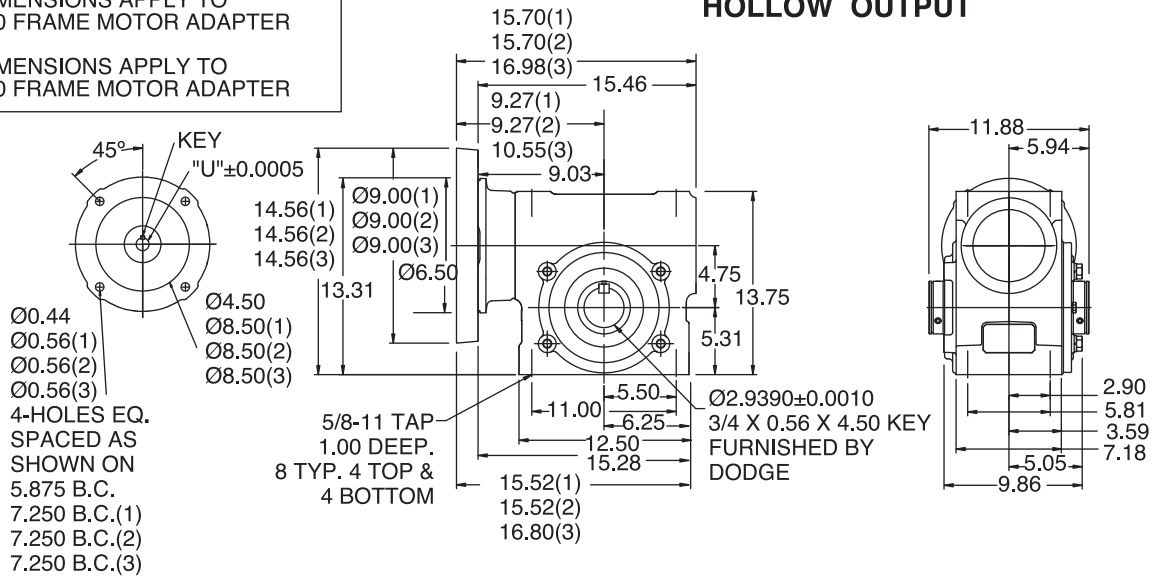


(1) DIMENSIONS APPLY TO 180 FRAME MOTOR ADAPTER

(2) DIMENSIONS APPLY TO 210 FRAME MOTOR ADAPTER

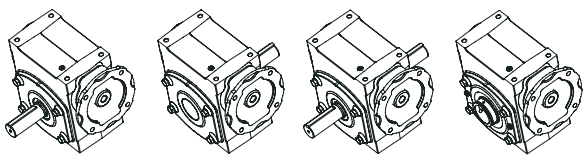
(3) DIMENSIONS APPLY TO 250 FRAME MOTOR ADAPTER

HOLLOW OUTPUT



MOTOR FRAME	DIM "U"	KEY
140TC 160ATC	Ø0.876	3/16 SQ X 2.75 KEY
180TC 180ATC	Ø1.126	1/4 SQ. X 2.98 KEY
210TC 210ATC	Ø1.376	5/16 SQ X 3.11 KEY
250TC 250ATC	Ø1.626	3/8 SQ X 3.38 KEY

OUTPUT SHAFT CONFIGURATIONS



L R LR H

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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With Separate Input - Size 47

Ratio	Output RPM	Rating Data 1750 Input RPM		Separate Reducer	Shaft Position	Optional Motor Adapter Kit 180TC	210TC	250TC
5	350	Mechanical Input Hp	28.45	47S05L	L		4047MTR21	4047MTR25
		Thermal Input Hp	29.12	47S05R	R			
		Output Torque (lb in.)	4832	47S05LR	LR			
		Mechanical Output Hp	26.84	47S05H	HOLLOW			
		Output OHL (lbs.)	5100					
7.5	233	Mechanical Input Hp	23.35	47S07L	L		4047MTR21	4047MTR25
		Thermal Input Hp	24.37	47S07R	R			
		Output Torque (lb in.)	5801	47S07LR	LR			
		Mechanical Output Hp	21.77	47S07H	HOLLOW			
		Output OHL (lbs.)	5600					
10	175	Mechanical Input Hp	19.27	47S10L	L		4047MTR21	
		Thermal Input Hp	20.08	47S10R	R			
		Output Torque (lb in.)	6390	47S10LR	LR			
		Mechanical Output Hp	17.74	47S10H	HOLLOW			
		Output OHL (lbs.)	5600					
15	117	Mechanical Input Hp	14.05	47S15L	L	4047MTR18	4047MTR21	
		Thermal Input Hp	14.14	47S15R	R			
		Output Torque (lb in.)	6739	47S15LR	LR			
		Mechanical Output Hp	12.47	47S15H	HOLLOW			
		Output OHL (lbs.)	5600					
20	88	Mechanical Input Hp	10.82	47S20L	L	4047MTR18	4047MTR21	
		Thermal Input Hp	10.96	47S20R	R			
		Output Torque (lb in.)	6659	47S20LR	LR			
		Mechanical Output Hp	9.24	47S20H	HOLLOW			
		Output OHL (lbs.)	5600					
25	70	Mechanical Input Hp	8.76	47S25L	L	4047MTR18		
		Thermal Input Hp	8.09	47S25R	R			
		Output Torque (lb in.)	6410	47S25LR	LR			
		Mechanical Output Hp	7.12	47S25H	HOLLOW			
		Output OHL (lbs.)	5600					
30	58	Mechanical Input Hp	7.95	47S30L	L	4047MTR18		
		Thermal Input Hp	7.22	47S30R	R			
		Output Torque (lb in.)	6845	47S30LR	LR			
		Mechanical Output Hp	6.34	47S30H	HOLLOW			
		Output OHL (lbs.)	5600					
40	44	Mechanical Input Hp	6.21	47S40L	L	4047MTR18		
		Thermal Input Hp	5.66	47S40R	R			
		Output Torque (lb in.)	6644	47S40LR	LR			
		Mechanical Output Hp	4.61	47S40H	HOLLOW			
		Output OHL (lbs.)	5600					
50	35	Mechanical Input Hp	5.05	47S50L	L	4047MTR18		
		Thermal Input Hp	4.42	47S50R	R			
		Output Torque (lb in.)	6241	47S50LR	LR			
		Mechanical Output Hp	3.47	47S50H	HOLLOW			
		Output OHL (lbs.)	5600					
60	29	Mechanical Input Hp	4.12	47S60L	L			
		Thermal Input Hp	3.65	47S60R	R			
		Output Torque (lb in.)	5683	47S60LR	LR			
		Mechanical Output Hp	2.63	47S60H	HOLLOW			
		Output OHL (lbs.)	5600					
All Ratios		Input OHL (lbs)	500	One diameter from seal surface				

Note: TIGEAR-2 separate reducers cannot be used with the old Adaptable TIGEAR motor adapter kits.
Refer to page G4-118 for hollow bore bushing selections

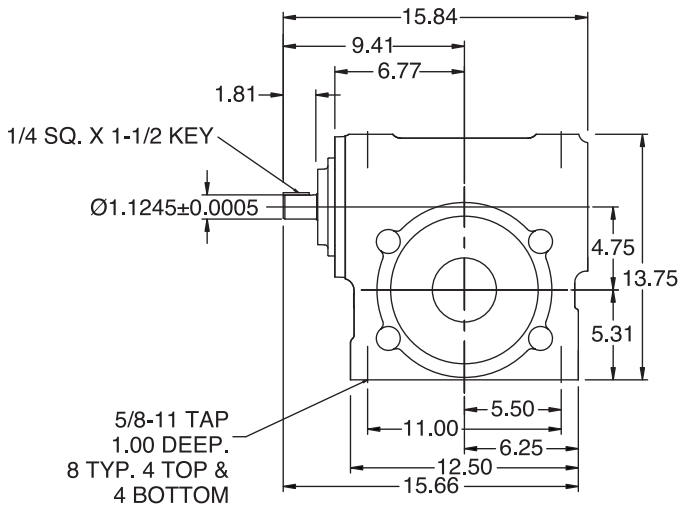
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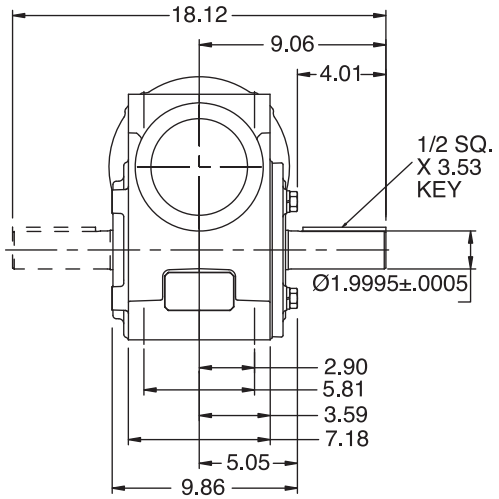


RATINGS/DIMENSIONS

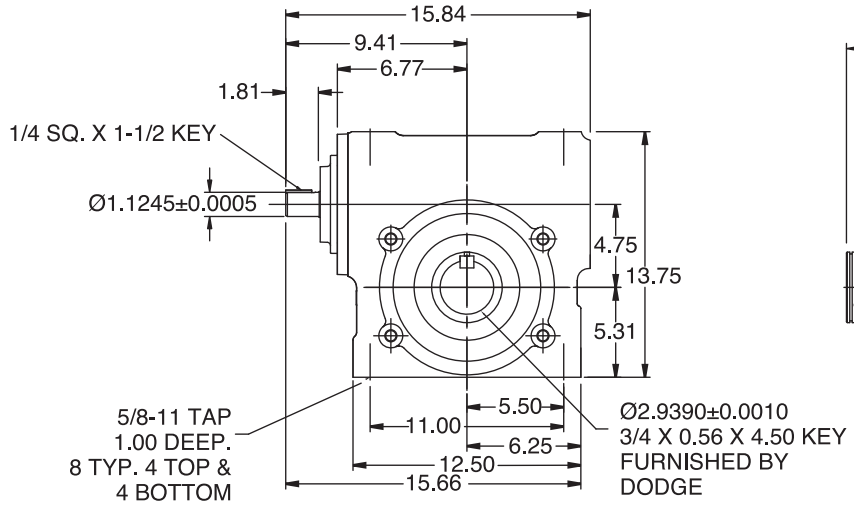
TIGEAR-2 Reducers With Separate Input - Size 47

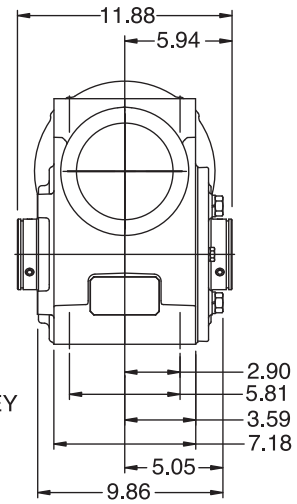
SOLID OUTPUT



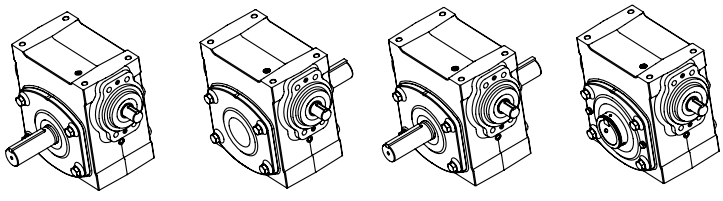


HOLLOW OUTPUT





OUTPUT SHAFT CONFIGURATIONS



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RATINGS/DIMENSIONS



TIGEAR-2 Reducers With 3-Piece Coupled Input - Size 47

3-Piece Coupled units include a Separate reducer, 3-piece coupling and motor adapter housing assembled together.
These assemblies are normally "made to order" with a 5 day standard lead time.

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 180TC	210TC	250TC	Shaft Position
5	350	Mechanical Input Hp	28.45			47A05L25	L
		Thermal Input Hp	29.12			47A05R25	R
		Output Torque (lb in.)	4832			47A05LR25	LR
		Mechanical Output Hp	26.84			47A05H25	HOLLOW
		Output OHL (lbs.)	5100				
7.5	233	Mechanical Input Hp	23.35			47A07L25	L
		Thermal Input Hp	24.37			47A07R25	R
		Output Torque (lb in.)	5801			47A07LR25	LR
		Mechanical Output Hp	21.77			47A07H25	HOLLOW
		Output OHL (lbs.)	5600				
10	175	Mechanical Input Hp	19.27		47A10L21	47A10L25	L
		Thermal Input Hp	20.08		47A10R21	47A10R25	R
		Output Torque (lb in.)	6390		47A10LR21	47A10LR25	LR
		Mechanical Output Hp	17.74		47A10H21	47A10H25	HOLLOW
		Output OHL (lbs.)	5600				
15	117	Mechanical Input Hp	14.05		47A15L21		L
		Thermal Input Hp	14.14		47A15R21		R
		Output Torque (lb in.)	6739		47A15LR21		LR
		Mechanical Output Hp	12.47		47A15H21		HOLLOW
		Output OHL (lbs.)	5600				
20	88	Mechanical Input Hp	10.82		47A20L21		L
		Thermal Input Hp	10.96		47A20R21		R
		Output Torque (lb in.)	6659		47A20LR21		LR
		Mechanical Output Hp	9.24		47A20H21		HOLLOW
		Output OHL (lbs.)	5600				
25	70	Mechanical Input Hp	8.76	47A25L18	47A25L21		L
		Thermal Input Hp	8.09	47A25R18	47A25R21		R
		Output Torque (lb in.)	6410	47A25LR18	47A25LR21		LR
		Mechanical Output Hp	7.12	47A25H18	47A25H21		HOLLOW
		Output OHL (lbs.)	5600				
30	58	Mechanical Input Hp	7.95	47A30L18			L
		Thermal Input Hp	7.22	47A30R18			R
		Output Torque (lb in.)	6845	47A30LR18			LR
		Mechanical Output Hp	6.34	47A30H18			HOLLOW
		Output OHL (lbs.)	5600				
40	44	Mechanical Input Hp	6.21	47A40L18			L
		Thermal Input Hp	5.66	47A40R18			R
		Output Torque (lb in.)	6644	47A40LR18			LR
		Mechanical Output Hp	4.61	47A40H18			HOLLOW
		Output OHL (lbs.)	5600				
50	35	Mechanical Input Hp	5.05	47A50L18			L
		Thermal Input Hp	4.42	47A50R18			R
		Output Torque (lb in.)	6241	47A50LR18			LR
		Mechanical Output Hp	3.47	47A50H18			HOLLOW
		Output OHL (lbs.)	5600				
60	29	Mechanical Input Hp	4.12	47A60L18			L
		Thermal Input Hp	3.65	47A60R18			R
		Output Torque (lb in.)	5683	47A60LR18			LR
		Mechanical Output Hp	2.63	47A60H18			HOLLOW
		Output OHL (lbs.)	5600				

Note: Reducers are shipped without a mounting base. Order bolt-on base kit **47BASE** if required.
Refer to page G4-118 for hollow bore bushing selections

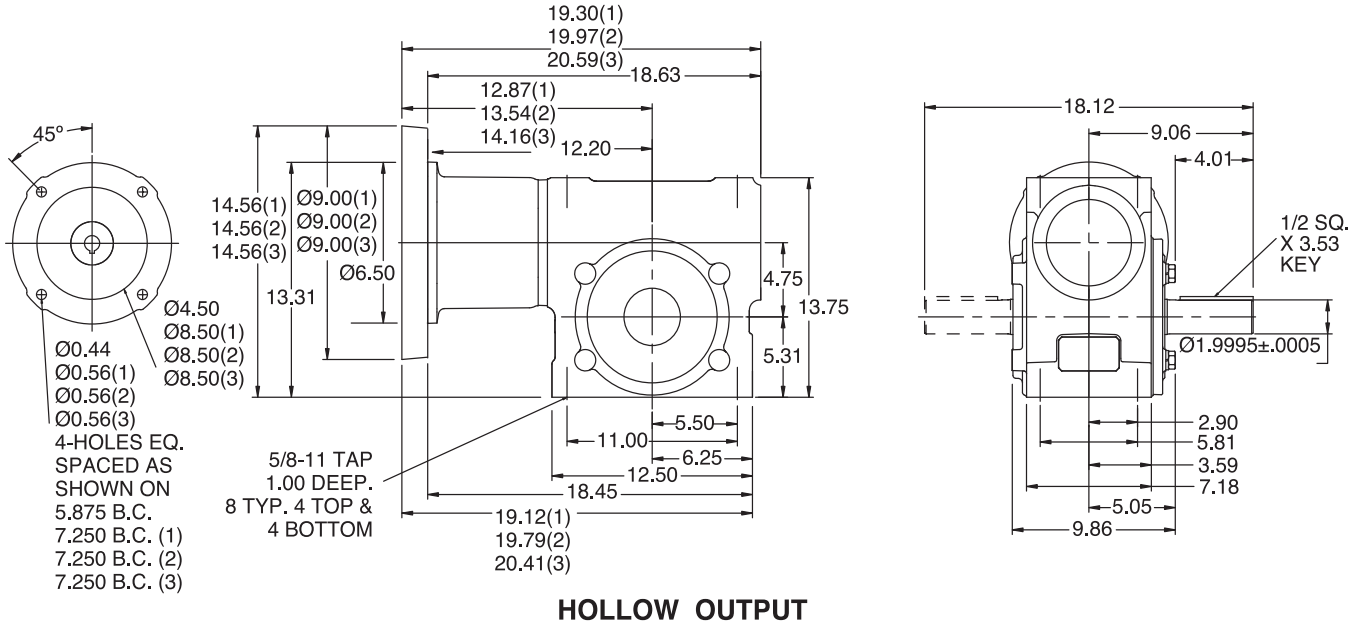
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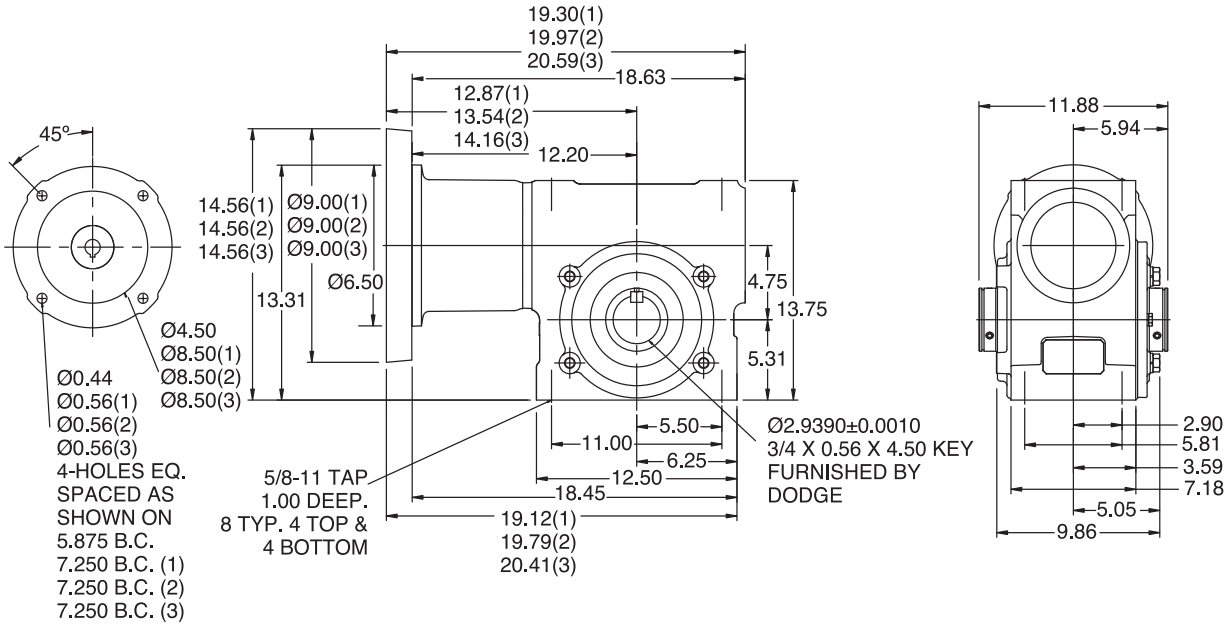
RATINGS/DIMENSIONS

TIGEAR-2 Reducers With 3-Piece Coupled Input - Size 47

SOLID OUTPUT



HOLLOW OUTPUT

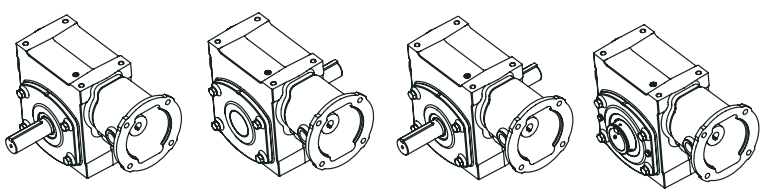


(1) DIMENSIONS APPLY TO 180 FRAME MOTOR ADAPTER

(2) DIMENSIONS APPLY TO 210 FRAME MOTOR ADAPTER

(3) DIMENSIONS APPLY TO 250 FRAME MOTOR ADAPTER

OUTPUT SHAFT CONFIGURATIONS



L R LR H

FEATURES/BENEFITS PAGE G4-2	SPECIFICATION PAGE G4-8	NOMENCLATURE PAGE G4-9	RATINGS/DIMENSIONS PAGE G4-16

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DODGE®

WASHDOWN PRODUCTS

TIGEAR-2 E-Z KLEEN REDUCERS With Quill Input - Size 13

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Shaft Position
5	350	Mechanical Input Hp	1.32	**13QZ05L56**	L
		Thermal Input Hp	2.94	**13QZ05R56**	R
		Output Torque (lb in.)	219	**13QZ05LR56**	LR
		Mechanical Output Hp	1.22	**13QZ05H56**	HOLLOW
		Output OHL (lbs.)	650		HOLLOW ALT.
7.5	233	Mechanical Input Hp	1.04	**13QZ07L56**	L
		Thermal Input Hp	2.27	**13QZ07R56**	R
		Output Torque (lb in.)	251	**13QZ07LR56**	LR
		Mechanical Output Hp	0.94	**13QZ07H56**	HOLLOW
		Output OHL (lbs.)	650		HOLLOW ALT.
10	175	Mechanical Input Hp	0.85	**13QZ10L56**	L
		Thermal Input Hp	1.96	**13QZ10R56**	R
		Output Torque (lb in.)	270	**13QZ10LR56**	LR
		Mechanical Output Hp	0.75	**13QZ10H56**	HOLLOW
		Output OHL (lbs.)	650		HOLLOW ALT.
15	117	Mechanical Input Hp	0.64	**13QZ15L56**	L
		Thermal Input Hp	1.38	**13QZ15R56**	R
		Output Torque (lb in.)	293	**13QZ15LR56**	LR
		Mechanical Output Hp	0.54	**13QZ15H56**	HOLLOW
		Output OHL (lbs.)	650		HOLLOW ALT.
20	88	Mechanical Input HP	0.53	**13QZ20L56**	L
		Thermal Input Hp	1.06	**13QZ20R56**	R
		Output Torque (lb in.)	304	**13QZ20LR56**	LR
		Mechanical Output Hp	0.42	**13QZ20H56**	HOLLOW
		Output OHL (lbs.)	650		HOLLOW ALT.
25	70	Mechanical Input Hp	0.46	**13QZ25L56**	L
		Thermal Input Hp	0.86	**13QZ25R56**	R
		Output Torque (lb in.)	311	**13QZ25LR56**	LR
		Mechanical Output Hp	0.35	**13QZ25H56**	HOLLOW
		Output OHL (lbs.)	650		HOLLOW ALT.
30	58	Mechanical Input Hp	0.39	**13QZ30L56**	L
		Thermal Input Hp	0.85	**13QZ30R56**	R
		Output Torque (lb in.)	314	**13QZ30LR56**	LR
		Mechanical Output Hp	0.29	**13QZ30H56**	HOLLOW
		Output OHL (lbs.)	650		HOLLOW ALT.
40	44	Mechanical Input Hp	0.32	**13QZ40L56**	L
		Thermal Input Hp	0.7	**13QZ40R56**	R
		Output Torque (lb in.)	319	**13QZ40LR56**	LR
		Mechanical Output Hp	0.22	**13QZ40H56**	HOLLOW
		Output OHL (lbs.)	650		HOLLOW ALT.
50	35	Mechanical Input Hp	0.27	**13QZ50L56**	L
		Thermal Input Hp	0.61	**13QZ50R56**	R
		Output Torque (lb in.)	313	**13QZ50LR56**	LR
		Mechanical Output Hp	0.17	**13QZ50H56**	HOLLOW
		Output OHL (lbs.)	650		HOLLOW ALT.
60	29	Mechanical Input Hp	0.23	**13QZ60L56**	L
		Thermal Input Hp	0.54	**13QZ60R56**	R
		Output Torque (lb in.)	298	**13QZ60LR56**	LR
		Mechanical Output Hp	0.14	**13QZ60H56**	HOLLOW
		Output OHL (lbs.)	650		HOLLOW ALT.

Note: Reducers are shipped without a mounting base.
Washdown accessories available in Modifications / Accessories section.

Refer to page G4-119 for hollow bore bushing selections
Refer to page G4-17 for dimensions

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TIGEAR-2 E-Z KLEEN REDUCERS With 3-Piece Coupled Input - Size 13

3-Piece Coupled units include a Separate reducer, 3-piece coupling and motor adapter housing assembled together.

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Shaft Position
5	350	Mechanical Input Hp	1.32	**13AZ05L56**	L
		Thermal Input Hp	2.94	**13AZ05R56**	R
		Output Torque (lb in.)	219	**13AZ05LR56**	LR
		Mechanical Output Hp	1.22	**13AZ05H56**	HOLLOW
		Output OHL (lbs.)	650		HOLLOW ALT.
7.5	233	Mechanical Input Hp	1.04	**13AZ07L56**	L
		Thermal Input Hp	2.27	**13AZ07R56**	R
		Output Torque (lb in.)	251	**13AZ07LR56**	LR
		Mechanical Output Hp	0.94	**13AZ07H56**	HOLLOW
		Output OHL (lbs.)	650		HOLLOW ALT.
10	175	Mechanical Input Hp	0.85	**13AZ10L56**	L
		Thermal Input Hp	1.96	**13AZ10R56**	R
		Output Torque (lb in.)	270	**13AZ10LR56**	LR
		Mechanical Output Hp	0.75	**13AZ10H56**	HOLLOW
		Output OHL (lbs.)	650		HOLLOW ALT.
15	117	Mechanical Input Hp	0.64	**13AZ15L56**	L
		Thermal Input Hp	1.38	**13AZ15R56**	R
		Output Torque (lb in.)	293	**13AZ15LR56**	LR
		Mechanical Output Hp	0.54	**13AZ15H56**	HOLLOW
		Output OHL (lbs.)	650		HOLLOW ALT.
20	88	Mechanical Input HP	0.53	**13AZ20L56**	L
		Thermal Input Hp	1.06	**13AZ20R56**	R
		Output Torque (lb in.)	304	**13AZ20LR56**	LR
		Mechanical Output Hp	0.42	**13AZ20H56**	HOLLOW
		Output OHL (lbs.)	650		HOLLOW ALT.
25	70	Mechanical Input Hp	0.46	**13AZ25L56**	L
		Thermal Input Hp	0.86	**13AZ25R56**	R
		Output Torque (lb in.)	311	**13AZ25LR56**	LR
		Mechanical Output Hp	0.35	**13AZ25H56**	HOLLOW
		Output OHL (lbs.)	650		HOLLOW ALT.
30	58	Mechanical Input Hp	0.39	**13AZ30L56**	L
		Thermal Input Hp	0.85	**13AZ30R56**	R
		Output Torque (lb in.)	314	**13AZ30LR56**	LR
		Mechanical Output Hp	0.29	**13AZ30H56**	HOLLOW
		Output OHL (lbs.)	650		HOLLOW ALT.
40	44	Mechanical Input Hp	0.32	**13AZ40L56**	L
		Thermal Input Hp	0.7	**13AZ40R56**	R
		Output Torque (lb in.)	319	**13AZ40LR56**	LR
		Mechanical Output Hp	0.22	**13AZ40H56**	HOLLOW
		Output OHL (lbs.)	650		HOLLOW ALT.
50	35	Mechanical Input Hp	0.27	**13AZ50L56**	L
		Thermal Input Hp	0.61	**13AZ50R56**	R
		Output Torque (lb in.)	313	**13AZ50LR56**	LR
		Mechanical Output Hp	0.17	**13AZ50H56**	HOLLOW
		Output OHL (lbs.)	650		HOLLOW ALT.
60	29	Mechanical Input Hp	0.23	**13AZ60L56**	L
		Thermal Input Hp	0.54	**13AZ60R56**	R
		Output Torque (lb in.)	298	**13AZ60LR56**	LR
		Mechanical Output Hp	0.14	**13AZ60H56**	HOLLOW
		Output OHL (lbs.)	650		HOLLOW ALT.

Note: Reducers are shipped without a mounting base.
Washdown accessories available in Modifications / Accessories section.

Refer to page G4-119 for hollow bore bushing selections
Refer to page G4-21 for dimensions

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WASHDOWN PRODUCTS

TIGEAR-2 E-Z KLEEN Reducers With Quill Input - Size 15

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Shaft Position
5	350	Mechanical Input Hp	1.75	**15QZ05L56**	L
		Thermal Input Hp	3.34	**15QZ05R56**	R
		Output Torque (lb in.)	293	**15QZ05LR56**	LR
		Mechanical Output Hp	1.63	**15QZ05H56**	HOLLOW
		Output OHL (lbs.)	710		HOLLOW ALT.
7.5	233	Mechanical Input Hp	1.40	**15QZ07L56**	L
		Thermal Input Hp	2.55	**15QZ07R56**	R
		Output Torque (lb in.)	337	**15QZ07LR56**	LR
		Mechanical Output Hp	1.26	**15QZ07H56**	HOLLOW
		Output OHL (lbs.)	710		HOLLOW ALT.
10	175	Mechanical Input Hp	1.13	**15QZ10L56**	L
		Thermal Input Hp	2.22	**15QZ10R56**	R
		Output Torque (lb in.)	361	**15QZ10LR56**	LR
		Mechanical Output Hp	1.00	**15QZ10H56**	HOLLOW
		Output OHL (lbs.)	710		HOLLOW ALT.
15	117	Mechanical Input Hp	0.86	**15QZ15L56**	L
		Thermal Input Hp	1.58	**15QZ15R56**	R
		Output Torque (lb in.)	392	**15QZ15LR56**	LR
		Mechanical Output Hp	0.73	**15QZ15H56**	HOLLOW
		Output OHL (lbs.)	710		HOLLOW ALT.
20	88	Mechanical Input HP	0.70	**15QZ20L56**	L
		Thermal Input Hp	1.26	**15QZ20R56**	R
		Output Torque (lb in.)	407	**15QZ20LR56**	LR
		Mechanical Output Hp	0.56	**15QZ20H56**	HOLLOW
		Output OHL (lbs.)	710		HOLLOW ALT.
25	70	Mechanical Input Hp	0.60	**15QZ25L56**	L
		Thermal Input Hp	0.99	**15QZ25R56**	R
		Output Torque (lb in.)	410	**15QZ25LR56**	LR
		Mechanical Output Hp	0.46	**15QZ25H56**	HOLLOW
		Output OHL (lbs.)	710		HOLLOW ALT.
30	58	Mechanical Input Hp	0.51	**15QZ30L56**	L
		Thermal Input Hp	0.96	**15QZ30R56**	R
		Output Torque (lb in.)	413	**15QZ30LR56**	LR
		Mechanical Output Hp	0.38	**15QZ30H56**	HOLLOW
		Output OHL (lbs.)	710		HOLLOW ALT.
40	44	Mechanical Input Hp	0.41	**15QZ40L56**	L
		Thermal Input Hp	0.80	**15QZ40R56**	R
		Output Torque (lb in.)	417	**15QZ40LR56**	LR
		Mechanical Output Hp	0.29	**15QZ40H56**	HOLLOW
		Output OHL (lbs.)	710		HOLLOW ALT.
50	35	Mechanical Input Hp	0.34	**15QZ50L56**	L
		Thermal Input Hp	0.70	**15QZ50R56**	R
		Output Torque (lb in.)	402	**15QZ50LR56**	LR
		Mechanical Output Hp	0.22	**15QZ50H56**	HOLLOW
		Output OHL (lbs.)	710		HOLLOW ALT.
60	29	Mechanical Input Hp	0.29	**15QZ60L56**	L
		Thermal Input Hp	0.62	**15QZ60R56**	R
		Output Torque (lb in.)	381	**15QZ60LR56**	LR
		Mechanical Output Hp	0.18	**15QZ60H56**	HOLLOW
		Output OHL (lbs.)	710		HOLLOW ALT.

Note: Reducers are shipped without a mounting base.
Washdown accessories available in Modifications / Accessories section.

Refer to page G4-119 for hollow bore bushing selections
Refer to page G4-23 for dimensions

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WASHDOWN PRODUCTS

TIGEAR-2 E-Z KLEEN Reducers With 3-Piece Coupled Input - Size 15

3-Piece Coupled units include a Separate reducer, 3-piece coupling and motor adapter housing assembled together.

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Shaft Position
5	350	Mechanical Input Hp	1.75	**15AZ05L56**	L
		Thermal Input Hp	3.34	**15AZ05R56**	R
		Output Torque (lb in.)	293	**15AZ05LR56**	LR
		Mechanical Output Hp	1.63	**15AZ05H56**	HOLLOW
		Output OHL (lbs.)	710		HOLLOW ALT.
7.5	233	Mechanical Input Hp	1.40	**15AZ07L56**	L
		Thermal Input Hp	2.55	**15AZ07R56**	R
		Output Torque (lb in.)	337	**15AZ07LR56**	LR
		Mechanical Output Hp	1.26	**15AZ07H56**	HOLLOW
		Output OHL (lbs.)	710		HOLLOW ALT.
10	175	Mechanical Input Hp	1.13	**15AZ10L56**	L
		Thermal Input Hp	2.22	**15AZ10R56**	R
		Output Torque (lb in.)	361	**15AZ10LR56**	LR
		Mechanical Output Hp	1.00	**15AZ10H56**	HOLLOW
		Output OHL (lbs.)	710		HOLLOW ALT.
15	117	Mechanical Input Hp	0.86	**15AZ15L56**	L
		Thermal Input Hp	1.58	**15AZ15R56**	R
		Output Torque (lb in.)	392	**15AZ15LR56**	LR
		Mechanical Output Hp	0.73	**15AZ15H56**	HOLLOW
		Output OHL (lbs.)	710		HOLLOW ALT.
20	88	Mechanical Input HP	0.70	**15AZ20L56**	L
		Thermal Input Hp	1.26	**15AZ20R56**	R
		Output Torque (lb in.)	407	**15AZ20LR56**	LR
		Mechanical Output Hp	0.56	**15AZ20H56**	HOLLOW
		Output OHL (lbs.)	710		HOLLOW ALT.
25	70	Mechanical Input Hp	0.60	**15AZ25L56**	L
		Thermal Input Hp	0.99	**15AZ25R56**	R
		Output Torque (lb in.)	410	**15AZ25LR56**	LR
		Mechanical Output Hp	0.46	**15AZ25H56**	HOLLOW
		Output OHL (lbs.)	710		HOLLOW ALT.
30	58	Mechanical Input Hp	0.51	**15AZ30L56**	L
		Thermal Input Hp	0.96	**15AZ30R56**	R
		Output Torque (lb in.)	413	**15AZ30LR56**	LR
		Mechanical Output Hp	0.38	**15AZ30H56**	HOLLOW
		Output OHL (lbs.)	710		HOLLOW ALT.
40	44	Mechanical Input Hp	0.41	**15AZ40L56**	L
		Thermal Input Hp	0.80	**15AZ40R56**	R
		Output Torque (lb in.)	417	**15AZ40LR56**	LR
		Mechanical Output Hp	0.29	**15AZ40H56**	HOLLOW
		Output OHL (lbs.)	710		HOLLOW ALT.
50	35	Mechanical Input Hp	0.34	**15AZ50L56**	L
		Thermal Input Hp	0.70	**15AZ50R56**	R
		Output Torque (lb in.)	402	**15AZ50LR56**	LR
		Mechanical Output Hp	0.22	**15AZ50H56**	HOLLOW
		Output OHL (lbs.)	710		HOLLOW ALT.
60	29	Mechanical Input Hp	0.29	**15AZ60L56**	L
		Thermal Input Hp	0.62	**15AZ60R56**	R
		Output Torque (lb in.)	381	**15AZ60LR56**	LR
		Mechanical Output Hp	0.18	**15AZ60H56**	HOLLOW
		Output OHL (lbs.)	710		HOLLOW ALT.

Note: Reducers are shipped without a mounting base.
Washdown accessories available in Modifications / Accessories section.

Refer to page G4-119 for hollow bore bushing selections
Refer to page G4-27 for dimensions

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WASHDOWN PRODUCTS

TIGEAR-2 E-Z KLEEN Reducers With Quill Input- Size 17

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Part Number 140TC	Shaft Position
5	350	Mechanical Input Hp	2.59	**17QZ05L56**	**17QZ05L14**	L
		Thermal Input Hp	3.97	**17QZ05R56**	**17QZ05R14**	R
		Output Torque (lb.in.)	430	**17QZ05LR56**	**17QZ05LR14**	LR
		Mechanical Output Hp	2.39	**17QZ05H56**	**17QZ05H14**	HOLLOW
		Output OHL (lbs.)	1050			HOLLOW ALT.
7.5	233	Mechanical Input Hp	2.06	**17QZ07L56**	**17QZ07L14**	L
		Thermal Input Hp	3.42	**17QZ07R56**	**17QZ07R14**	R
		Output Torque (lb.in.)	500	**17QZ07LR56**	**17QZ07LR14**	LR
		Mechanical Output Hp	1.88	**17QZ07H56**	**17QZ07H14**	HOLLOW
		Output OHL (lbs.)	1190			HOLLOW ALT.
10	175	Mechanical Input Hp	1.67	**17QZ10L56**	**17QZ10L14**	L
		Thermal Input Hp	2.76	**17QZ10R56**	**17QZ10R14**	R
		Output Torque (lb.in.)	534	**17QZ10LR56**	**17QZ10LR14**	LR
		Mechanical Output Hp	1.48	**17QZ10H56**	**17QZ10H14**	HOLLOW
		Output OHL (lbs.)	1190			HOLLOW ALT.
15	117	Mechanical Input Hp	1.27	**17QZ15L56**	**17QZ15L14**	L
		Thermal Input Hp	2.01	**17QZ15R56**	**17QZ15R14**	R
		Output Torque (lb.in.)	583	**17QZ15LR56**	**17QZ15LR14**	LR
		Mechanical Output Hp	1.08	**17QZ15H56**	**17QZ15H14**	HOLLOW
		Output OHL (lbs.)	1190			HOLLOW ALT.
20	88	Mechanical Input Hp	1.03	**17QZ20L56**	**17QZ20L14**	L
		Thermal Input Hp	1.58	**17QZ20R56**	**17QZ20R14**	R
		Output Torque (lb.in.)	602	**17QZ20LR56**	**17QZ20LR14**	LR
		Mechanical Output Hp	0.84	**17QZ20H56**	**17QZ20H14**	HOLLOW
		Output OHL (lbs.)	1190			HOLLOW ALT.
25	70	Mechanical Input Hp	0.88	**17QZ25L56**		L
		Thermal Input Hp	1.28	**17QZ25R56**		R
		Output Torque (lb.in.)	609	**17QZ25LR56**		LR
		Mechanical Output Hp	0.68	**17QZ25H56**		HOLLOW
		Output OHL (lbs.)	1190			HOLLOW ALT.
30	58	Mechanical Input Hp	0.76	**17QZ30L56**		L
		Thermal Input Hp	1.20	**17QZ30R56**		R
		Output Torque (lb.in.)	615	**17QZ30LR56**		LR
		Mechanical Output Hp	0.57	**17QZ30H56**		HOLLOW
		Output OHL (lbs.)	1190			HOLLOW ALT.
40	44	Mechanical Input Hp	0.60	**17QZ40L56**		L
		Thermal Input Hp	1.09	**17QZ40R56**		R
		Output Torque (lb.in.)	627	**17QZ40LR56**		LR
		Mechanical Output Hp	0.43	**17QZ40H56**		HOLLOW
		Output OHL (lbs.)	1190			HOLLOW ALT.
50	35	Mechanical Input Hp	0.51	**17QZ50L56**		L
		Thermal Input Hp	0.90	**17QZ50R56**		R
		Output Torque (lb.in.)	608	**17QZ50LR56**		LR
		Mechanical Output Hp	0.34	**17QZ50H56**		HOLLOW
		Output OHL (lbs.)	1190			HOLLOW ALT.
60	29	Mechanical Input Hp	0.43	**17QZ60L56**		L
		Thermal Input Hp	0.80	**17QZ60R56**		R
		Output Torque (lb.in.)	576	**17QZ60LR56**		LR
		Mechanical Output Hp	0.27	**17QZ60H56**		HOLLOW
		Output OHL (lbs.)	1190			HOLLOW ALT.

Note: Reducers are shipped without a mounting base.
Washdown accessories available in Modifications / Accessories section.

Refer to page G4-119 for hollow bore bushing selections
Refer to page G4-29 for dimensions

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TIGEAR-2 E-Z KLEEN Reducers With 3-Piece Coupled Input - Size 17

3-Piece Coupled units include a Separate reducer, 3-piece coupling and motor adapter housing assembled together.

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Part Number 140TC	Shaft Position
5	350	Mechanical Input Hp	2.59	17AZ05L56	17AZ05L14	L
		Thermal Input Hp	3.97	17AZ05R56	17AZ05R14	R
		Output Torque (lb.in.)	430	17AZ05LR56	17AZ05LR14	LR
		Mechanical Output Hp	2.39	17AZ05H56	17AZ05H14	HOLLOW
		Output OHL (lbs.)	1050			HOLLOW ALT.
7.5	233	Mechanical Input Hp	2.06	17AZ07L56	17AZ07L14	L
		Thermal Input Hp	3.42	17AZ07R56	17AZ07R14	R
		Output Torque (lb.in.)	500	17AZ07LR56	17AZ07LR14	LR
		Mechanical Output Hp	1.88	17AZ07H56	17AZ07H14	HOLLOW
		Output OHL (lbs.)	1190			HOLLOW ALT.
10	175	Mechanical Input Hp	1.67	17AZ10L56	17AZ10L14	L
		Thermal Input Hp	2.76	17AZ10R56	17AZ10R14	R
		Output Torque (lb.in.)	534	17AZ10LR56	17AZ10LR14	LR
		Mechanical Output Hp	1.48	17AZ10H56	17AZ10H14	HOLLOW
		Output OHL (lbs.)	1190			HOLLOW ALT.
15	117	Mechanical Input Hp	1.27	17AZ15L56	17AZ15L14	L
		Thermal Input Hp	2.01	17AZ15R56	17AZ15R14	R
		Output Torque (lb.in.)	583	17AZ15LR56	17AZ15LR14	LR
		Mechanical Output Hp	1.08	17AZ15H56	17AZ15H14	HOLLOW
		Output OHL (lbs.)	1190			HOLLOW ALT.
20	88	Mechanical Input Hp	1.03	17AZ20L56	17AZ20L14	L
		Thermal Input Hp	1.58	17AZ20R56	17AZ20R14	R
		Output Torque (lb.in.)	602	17AZ20LR56	17AZ20LR14	LR
		Mechanical Output Hp	0.84	17AZ20H56	17AZ20H14	HOLLOW
		Output OHL (lbs.)	1190			HOLLOW ALT.
25	70	Mechanical Input Hp	0.88	17AZ25L56		L
		Thermal Input Hp	1.28	17AZ25R56		R
		Output Torque (lb.in.)	609	17AZ25LR56		LR
		Mechanical Output Hp	0.68	17AZ25H56		HOLLOW
		Output OHL (lbs.)	1190			HOLLOW ALT.
30	58	Mechanical Input Hp	0.76	17AZ30L56		L
		Thermal Input Hp	1.20	17AZ30R56		R
		Output Torque (lb.in.)	615	17AZ30LR56		LR
		Mechanical Output Hp	0.57	17AZ30H56		HOLLOW
		Output OHL (lbs.)	1190			HOLLOW ALT.
40	44	Mechanical Input Hp	0.60	17AZ40L56		L
		Thermal Input Hp	1.09	17AZ40R56		R
		Output Torque (lb.in.)	627	17AZ40LR56		LR
		Mechanical Output Hp	0.43	17AZ40H56		HOLLOW
		Output OHL (lbs.)	1190			HOLLOW ALT.
50	35	Mechanical Input Hp	0.51	17AZ50L56		L
		Thermal Input Hp	0.90	17AZ50R56		R
		Output Torque (lb.in.)	608	17AZ50LR56		LR
		Mechanical Output Hp	0.34	17AZ50H56		HOLLOW
		Output OHL (lbs.)	1190			HOLLOW ALT.
60	29	Mechanical Input Hp	0.43	17AZ60L56		L
		Thermal Input Hp	0.80	17AZ60R56		R
		Output Torque (lb.in.)	576	17AZ60LR56		LR
		Mechanical Output Hp	0.27	17AZ60H56		HOLLOW
		Output OHL (lbs.)	1190			HOLLOW ALT.

Note: Reducers are shipped without a mounting base.
Washdown accessories available in Modifications / Accessories section.

Refer to page G4-119 for hollow bore bushing selections
Refer to page G4-33 for dimensions

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WASHDOWN PRODUCTS

TIGEAR-2 E-Z KLEEN Reducers With Quill Input - Size 20

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Part Number 140TC	Shaft Position
5	350	Mechanical Input Hp	3.47	**20QZ05L56**	**20QZ05L14**	L
		Thermal Input Hp	4.90	**20QZ05R56**	**20QZ05R14**	R
		Output Torque (lb.in.)	581	**20QZ05LR56**	**20QZ05LR14**	LR
		Mechanical Output Hp	3.23	**20QZ05H56**	**20QZ05H14**	HOLLOW
		Output OHL (lbs.)	1380	**20QZ05HA56**	**20QZ05HA14**	HOLLOW ALT.
7.5	233	Mechanical Input Hp	2.78	**20QZ07L56**	**20QZ07L14**	L
		Thermal Input Hp	4.15	**20QZ07R56**	**20QZ07R14**	R
		Output Torque (lb.in.)	678	**20QZ07LR56**	**20QZ07LR14**	LR
		Mechanical Output Hp	2.54	**20QZ07H56**	**20QZ07H14**	HOLLOW
		Output OHL (lbs.)	1560	**20QZ07HA56**	**20QZ07HA14**	HOLLOW ALT.
10	175	Mechanical Input Hp	2.25	**20QZ10L56**	**20QZ10L14**	L
		Thermal Input Hp	3.25	**20QZ10R56**	**20QZ10R14**	R
		Output Torque (lb.in.)	725	**20QZ10LR56**	**20QZ10LR14**	LR
		Mechanical Output Hp	2.01	**20QZ10H56**	**20QZ10H14**	HOLLOW
		Output OHL (lbs.)	1560	**20QZ10HA56**	**20QZ10HA14**	HOLLOW ALT.
15	117	Mechanical Input Hp	1.69	**20QZ15L56**	**20QZ15L14**	L
		Thermal Input Hp	2.52	**20QZ15R56**	**20QZ15R14**	R
		Output Torque (lb.in.)	790	**20QZ15LR56**	**20QZ15LR14**	LR
		Mechanical Output Hp	1.46	**20QZ15H56**	**20QZ15H14**	HOLLOW
		Output OHL (lbs.)	1560	**20QZ15HA56**	**20QZ15HA14**	HOLLOW ALT.
20	88	Mechanical Input Hp	1.34	**20QZ20L56**	**20QZ20L14**	L
		Thermal Input Hp	1.99	**20QZ20R56**	**20QZ20R14**	R
		Output Torque (lb.in.)	796	**20QZ20LR56**	**20QZ20LR14**	LR
		Mechanical Output Hp	1.11	**20QZ20H56**	**20QZ20H14**	HOLLOW
		Output OHL (lbs.)	1560	**20QZ20HA56**	**20QZ20HA14**	HOLLOW ALT.
25	70	Mechanical Input Hp	1.11	**20QZ25L56**	**20QZ25L14**	L
		Thermal Input Hp	1.59	**20QZ25R56**	**20QZ25R14**	R
		Output Torque (lb.in.)	788	**20QZ25LR56**	**20QZ25LR14**	LR
		Mechanical Output Hp	0.88	**20QZ25H56**	**20QZ25H14**	HOLLOW
		Output OHL (lbs.)	1560	**20QZ25HA56**	**20QZ25HA14**	HOLLOW ALT.
30	58	Mechanical Input Hp	0.96	**20QZ30L56**		L
		Thermal Input Hp	1.49	**20QZ30R56**		R
		Output Torque (lb.in.)	802	**20QZ30LR56**		LR
		Mechanical Output Hp	0.74	**20QZ30H56**		HOLLOW
		Output OHL (lbs.)	1560	**20QZ30HA56**		HOLLOW ALT.
40	44	Mechanical Input Hp	0.76	**20QZ40L56**		L
		Thermal Input Hp	1.29	**20QZ40R56**		R
		Output Torque (lb.in.)	801	**20QZ40LR56**		LR
		Mechanical Output Hp	0.56	**20QZ40H56**		HOLLOW
		Output OHL (lbs.)	1560	**20QZ40HA56**		HOLLOW ALT.
50	35	Mechanical Input Hp	0.64	**20QZ50L56**		L
		Thermal Input Hp	1.09	**20QZ50R56**		R
		Output Torque (lb.in.)	787	**20QZ50LR56**		LR
		Mechanical Output Hp	0.44	**20QZ50H56**		HOLLOW
		Output OHL (lbs.)	1560	**20QZ50HA56**		HOLLOW ALT.
60	29	Mechanical Input Hp	0.56	**20QZ60L56**		L
		Thermal Input Hp	0.96	**20QZ60R56**		R
		Output Torque (lb.in.)	767	**20QZ60LR56**		LR
		Mechanical Output Hp	0.36	**20QZ60H56**		HOLLOW
		Output OHL (lbs.)	1560	**20QZ60HA56**		HOLLOW ALT.

Note: Reducers are shipped without a mounting base.
Washdown accessories available in Modifications / Accessories section.

Refer to page G4-119 for hollow bore bushing selections
Refer to page G4-37 for dimensions

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WASHDOWN PRODUCTS

TIGEAR-2 E-Z KLEEN Reducers With 3-Piece Coupled Input - Size 20

3-Piece Coupled units include a Separate reducer, 3-piece coupling and motor adapter housing assembled together.

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Part Number 140TC	Shaft Position
5	350	Mechanical Input Hp	3.47	**20AZ05L56**	**20AZ05L14**	L
		Thermal Input Hp	4.90	**20AZ05R56**	**20AZ05R14**	R
		Output Torque (lb.in.)	581	**20AZ05LR56**	**20AZ05LR14**	LR
		Mechanical Output Hp	3.23	**20AZ05H56**	**20AZ05H14**	HOLLOW
		Output OHL (lbs.)	1380	**20AZ05HA56**	**20AZ05HA14**	HOLLOW ALT.
7.5	233	Mechanical Input Hp	2.78	**20AZ07L56**	**20AZ07L14**	L
		Thermal Input Hp	4.15	**20AZ07R56**	**20AZ07R14**	R
		Output Torque (lb.in.)	678	**20AZ07LR56**	**20AZ07LR14**	LR
		Mechanical Output Hp	2.54	**20AZ07H56**	**20AZ07H14**	HOLLOW
		Output OHL (lbs.)	1560	**20AZ07HA56**	**20AZ07HA14**	HOLLOW ALT.
10	175	Mechanical Input Hp	2.25	**20AZ10L56**	**20AZ10L14**	L
		Thermal Input Hp	3.25	**20AZ10R56**	**20AZ10R14**	R
		Output Torque (lb.in.)	725	**20AZ10LR56**	**20AZ10LR14**	LR
		Mechanical Output Hp	2.01	**20AZ10H56**	**20AZ10H14**	HOLLOW
		Output OHL (lbs.)	1560	**20AZ10HA56**	**20AZ10HA14**	HOLLOW ALT.
15	117	Mechanical Input Hp	1.69	**20AZ15L56**	**20AZ15L14**	L
		Thermal Input Hp	2.52	**20AZ15R56**	**20AZ15R14**	R
		Output Torque (lb.in.)	790	**20AZ15LR56**	**20AZ15LR14**	LR
		Mechanical Output Hp	1.46	**20AZ15H56**	**20AZ15H14**	HOLLOW
		Output OHL (lbs.)	1560	**20AZ15HA56**	**20AZ15HA14**	HOLLOW ALT.
20	88	Mechanical Input Hp	1.34	**20AZ20L56**	**20AZ20L14**	L
		Thermal Input Hp	1.99	**20AZ20R56**	**20AZ20R14**	R
		Output Torque (lb.in.)	796	**20AZ20LR56**	**20AZ20LR14**	LR
		Mechanical Output Hp	1.11	**20AZ20H56**	**20AZ20H14**	HOLLOW
		Output OHL (lbs.)	1560	**20AZ20HA56**	**20AZ20HA14**	HOLLOW ALT.
25	70	Mechanical Input Hp	1.11	**20AZ25L56**	**20AZ25L14**	L
		Thermal Input Hp	1.59	**20AZ25R56**	**20AZ25R14**	R
		Output Torque (lb.in.)	788	**20AZ25LR56**	**20AZ25LR14**	LR
		Mechanical Output Hp	0.88	**20AZ25H56**	**20AZ25H14**	HOLLOW
		Output OHL (lbs.)	1560	**20AZ25HA56**	**20AZ25HA14**	HOLLOW ALT.
30	58	Mechanical Input Hp	0.96	**20AZ30L56**		L
		Thermal Input Hp	1.49	**20AZ30R56**		R
		Output Torque (lb.in.)	802	**20AZ30LR56**		LR
		Mechanical Output Hp	0.74	**20AZ30H56**		HOLLOW
		Output OHL (lbs.)	1560	**20AZ30HA56**		HOLLOW ALT.
40	44	Mechanical Input Hp	0.76	**20AZ40L56**		L
		Thermal Input Hp	1.29	**20AZ40R56**		R
		Output Torque (lb.in.)	801	**20AZ40LR56**		LR
		Mechanical Output Hp	0.56	**20AZ40H56**		HOLLOW
		Output OHL (lbs.)	1560	**20AZ40HA56**		HOLLOW ALT.
50	35	Mechanical Input Hp	0.64	**20AZ50L56**		L
		Thermal Input Hp	1.09	**20AZ50R56**		R
		Output Torque (lb.in.)	787	**20AZ50LR56**		LR
		Mechanical Output Hp	0.44	**20AZ50H56**		HOLLOW
		Output OHL (lbs.)	1560	**20AZ50HA56**		HOLLOW ALT.
60	29	Mechanical Input Hp	0.56	**20AZ60L56**		L
		Thermal Input Hp	0.96	**20AZ60R56**		R
		Output Torque (lb.in.)	767	**20AZ60LR56**		LR
		Mechanical Output Hp	0.36	**20AZ60H56**		HOLLOW
		Output OHL (lbs.)	1560	**20AZ60HA56**		HOLLOW ALT.

Note: Reducers are shipped without a mounting base.
Washdown accessories available in Modifications / Accessories section.

Refer to page G4-119 for hollow bore bushing selections
Refer to page G4-41 for dimensions

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WASHDOWN PRODUCTS

TIGEAR-2 E-Z KLEEN Reducers With Quill Input - Size 23

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Part Number 140TC	Part Number 180TC	Shaft Position
5	350	Mechanical Input Hp	5.25	23QZ05L56	23QZ05L14	23QZ05L18	L
		Thermal Input Hp	6.61	23QZ05R56	23QZ05R14	23QZ05R18	R
		Output Torque (lb.in.)	881	23QZ05LR56	23QZ05LR14	23QZ05LR18	LR
		Mechanical Output Hp	4.89	23QZ05H56	23QZ05H14	23QZ05H18	HOLLOW
		Output OHL (lbs.)	1330	23QZ05HA56	23QZ05HA14	23QZ05HA18	HOLLOW ALT.
7.5	233	Mechanical Input Hp	4.18	23QZ07L56	23QZ07L14	23QZ07L18	L
		Thermal Input Hp	5.64	23QZ07R56	23QZ07R14	23QZ07R18	R
		Output Torque (lb.in.)	1026	23QZ07LR56	23QZ07LR14	23QZ07LR18	LR
		Mechanical Output Hp	3.85	23QZ07H56	23QZ07H14	23QZ07H18	HOLLOW
		Output OHL (lbs.)	1520	23QZ07HA56	23QZ07HA14	23QZ07HA18	HOLLOW ALT.
10	175	Mechanical Input Hp	3.42	23QZ10L56	23QZ10L14	23QZ10L18	L
		Thermal Input Hp	4.40	23QZ10R56	23QZ10R14	23QZ10R18	R
		Output Torque (lb.in.)	1106	23QZ10LR56	23QZ10LR14	23QZ10LR18	LR
		Mechanical Output Hp	3.07	23QZ10H56	23QZ10H14	23QZ10H18	HOLLOW
		Output OHL (lbs.)	1610	23QZ10HA56	23QZ10HA14	23QZ10HA18	HOLLOW ALT.
15	117	Mechanical Input Hp	2.57	23QZ15L56	23QZ15L14		L
		Thermal Input Hp	3.30	23QZ15R56	23QZ15R14		R
		Output Torque (lb.in.)	1199	23QZ15LR56	23QZ15LR14		LR
		Mechanical Output Hp	2.22	23QZ15H56	23QZ15H14		HOLLOW
		Output OHL (lbs.)	1610	23QZ15HA56	23QZ15HA14		HOLLOW ALT.
20	88	Mechanical Input Hp	2.00	23QZ20L56	23QZ20L14		L
		Thermal Input Hp	2.62	23QZ20R56	23QZ20R14		R
		Output Torque (lb.in.)	1178	23QZ20LR56	23QZ20LR14		LR
		Mechanical Output Hp	1.64	23QZ20H56	23QZ20H14		HOLLOW
		Output OHL (lbs.)	1610	23QZ20HA56	23QZ20HA14		HOLLOW ALT.
25	70	Mechanical Input Hp	1.65	23QZ25L56	23QZ25L14		L
		Thermal Input Hp	2.16	23QZ25R56	23QZ25R14		R
		Output Torque (lb.in.)	1184	23QZ25LR56	23QZ25LR14		LR
		Mechanical Output Hp	1.32	23QZ25H56	23QZ25H14		HOLLOW
		Output OHL (lbs.)	1610	23QZ25HA56	23QZ25HA14		HOLLOW ALT.
30	58	Mechanical Input Hp	1.42	23QZ30L56	23QZ30L14		L
		Thermal Input Hp	2.06	23QZ30R56	23QZ30R14		R
		Output Torque (lb.in.)	1201	23QZ30LR56	23QZ30LR14		LR
		Mechanical Output Hp	1.11	23QZ30H56	23QZ30H14		HOLLOW
		Output OHL (lbs.)	1610	23QZ30HA56	23QZ30HA14		HOLLOW ALT.
40	44	Mechanical Input Hp	1.11	23QZ40L56	23QZ40L14		L
		Thermal Input Hp	1.73	23QZ40R56	23QZ40R14		R
		Output Torque (lb.in.)	1193	23QZ40LR56	23QZ40LR14		LR
		Mechanical Output Hp	0.83	23QZ40H56	23QZ40H14		HOLLOW
		Output OHL (lbs.)	1610	23QZ40HA56	23QZ40HA14		HOLLOW ALT.
50	35	Mechanical Input Hp	0.95	23QZ50L56			L
		Thermal Input Hp	1.42	23QZ50R56			R
		Output Torque (lb.in.)	1182	23QZ50LR56			LR
		Mechanical Output Hp	0.66	23QZ50H56			HOLLOW
		Output OHL (lbs.)	1610	23QZ50HA56			HOLLOW ALT.
60	29	Mechanical Input Hp	0.80	23QZ60L56			L
		Thermal Input Hp	1.24	23QZ60R56			R
		Output Torque (lb.in.)	1111	23QZ60LR56			LR
		Mechanical Output Hp	0.51	23QZ60H56			HOLLOW
		Output OHL (lbs.)	1610	23QZ60HA56			HOLLOW ALT.

Note: Reducers are shipped without a mounting base.
Washdown accessories available in Modifications / Accessories section.

Refer to page G4-119 for hollow bore bushing selections
Refer to page G4-45 for dimensions

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TIGEAR-2 E-Z KLEEN Reducers With 3-Piece Coupled Input - Size 23

3-Piece Coupled units include a Separate reducer, 3-piece coupling and motor adapter housing assembled together.

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Part Number 140TC	Part Number 180TC	Shaft Position
5	350	Mechanical Input Hp	5.25	23AZ05L56	23AZ05L14	23AZ05L18	L
		Thermal Input Hp	6.61	23AZ05R56	23AZ05R14	23AZ05R18	R
		Output Torque (lb.in.)	881	23AZ05LR56	23AZ05LR14	23AZ05LR18	LR
		Mechanical Output Hp	4.89	23AZ05H56	23AZ05H14	23AZ05H18	HOLLOW
		Output OHL (lbs.)	1330	23AZ05HA56	23AZ05HA14	23AZ05HA18	HOLLOW ALT.
7.5	233	Mechanical Input Hp	4.18	23AZ07L56	23AZ07L14	23AZ07L18	L
		Thermal Input Hp	5.64	23AZ07R56	23AZ07R14	23AZ07R18	R
		Output Torque (lb.in.)	1026	23AZ07LR56	23AZ07LR14	23AZ07LR18	LR
		Mechanical Output Hp	3.85	23AZ07H56	23AZ07H14	23AZ07H18	HOLLOW
		Output OHL (lbs.)	1520	23AZ07HA56	23AZ07HA14	23AZ07HA18	HOLLOW ALT.
10	175	Mechanical Input Hp	3.42	23AZ10L56	23AZ10L14	23AZ10L18	L
		Thermal Input Hp	4.40	23AZ10R56	23AZ10R14	23AZ10R18	R
		Output Torque (lb.in.)	1106	23AZ10LR56	23AZ10LR14	23AZ10LR18	LR
		Mechanical Output Hp	3.07	23AZ10H56	23AZ10H14	23AZ10H18	HOLLOW
		Output OHL (lbs.)	1610	23AZ10HA56	23AZ10HA14	23AZ10HA18	HOLLOW ALT.
15	117	Mechanical Input Hp	2.57	23AZ15L56	23AZ15L14		L
		Thermal Input Hp	3.30	23AZ15R56	23AZ15R14		R
		Output Torque (lb.in.)	1199	23AZ15LR56	23AZ15LR14		LR
		Mechanical Output Hp	2.22	23AZ15H56	23AZ15H14		HOLLOW
		Output OHL (lbs.)	1610	23AZ15HA56	23AZ15HA14		HOLLOW ALT.
20	88	Mechanical Input Hp	2.00	23AZ20L56	23AZ20L14		L
		Thermal Input Hp	2.62	23AZ20R56	23AZ20R14		R
		Output Torque (lb.in.)	1178	23AZ20LR56	23AZ20LR14		LR
		Mechanical Output Hp	1.64	23AZ20H56	23AZ20H14		HOLLOW
		Output OHL (lbs.)	1610	23AZ20HA56	23AZ20HA14		HOLLOW ALT.
25	70	Mechanical Input Hp	1.65	23AZ25L56	23AZ25L14		L
		Thermal Input Hp	2.16	23AZ25R56	23AZ25R14		R
		Output Torque (lb.in.)	1184	23AZ25LR56	23AZ25LR14		LR
		Mechanical Output Hp	1.32	23AZ25H56	23AZ25H14		HOLLOW
		Output OHL (lbs.)	1610	23AZ25HA56	23AZ25HA14		HOLLOW ALT.
30	58	Mechanical Input Hp	1.42	23AZ30L56	23AZ30L14		L
		Thermal Input Hp	2.06	23AZ30R56	23AZ30R14		R
		Output Torque (lb.in.)	1201	23AZ30LR56	23AZ30LR14		LR
		Mechanical Output Hp	1.11	23AZ30H56	23AZ30H14		HOLLOW
		Output OHL (lbs.)	1610	23AZ30HA56	23AZ30HA14		HOLLOW ALT.
40	44	Mechanical Input Hp	1.11	23AZ40L56	23AZ40L14		L
		Thermal Input Hp	1.73	23AZ40R56	23AZ40R14		R
		Output Torque (lb.in.)	1193	23AZ40LR56	23AZ40LR14		LR
		Mechanical Output Hp	0.83	23AZ40H56	23AZ40H14		HOLLOW
		Output OHL (lbs.)	1610	23AZ40HA56	23AZ40HA14		HOLLOW ALT.
50	35	Mechanical Input Hp	0.95	23AZ50L56			L
		Thermal Input Hp	1.42	23AZ50R56			R
		Output Torque (lb.in.)	1182	23AZ50LR56			LR
		Mechanical Output Hp	0.66	23AZ50H56			HOLLOW
		Output OHL (lbs.)	1610	23AZ50HA56			HOLLOW ALT.
60	29	Mechanical Input Hp	0.80	23AZ60L56			L
		Thermal Input Hp	1.24	23AZ60R56			R
		Output Torque (lb.in.)	1111	23AZ60LR56			LR
		Mechanical Output Hp	0.51	23AZ60H56			HOLLOW
		Output OHL (lbs.)	1610	23AZ60HA56			HOLLOW ALT.

Note: Reducers are shipped without a mounting base.
Washdown accessories available in Modifications / Accessories section.

Refer to page G4-119 for hollow bore bushing selections
Refer to page G4-49 for dimensions

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WASHDOWN PRODUCTS

TIGEAR-2 E-Z KLEEN Reducers With Quill Input - Size 26

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Part Number 140TC	Part Number 180TC	Shaft Position
		Mechanical Input Hp	7.37		26QZ05L14	26QZ05L18	L
		Thermal Input Hp	8.79		26QZ05R14	26QZ05R18	R
5	350	Output Torque (lb.in.)	1247		26QZ05LR14	26QZ05LR18	LR
		Mechanical Output Hp	6.93		26QZ05H14	26QZ05H18	HOLLOW
		Output OHL (lbs.)	1330		26QZ05HA14	26QZ05HA18	HOLLOW ALT.
		Mechanical Input Hp	5.92	26QZ07L56	26QZ07L14	26QZ07L18	L
		Thermal Input Hp	6.89	26QZ07R56	26QZ07R14	26QZ07R18	R
7.5	233	Output Torque (lb.in.)	1458	26QZ07LR56	26QZ07LR14	26QZ07LR18	LR
		Mechanical Output Hp	5.47	26QZ07H56	26QZ07H14	26QZ07H18	HOLLOW
		Output OHL (lbs.)	1520	26QZ07HA56	26QZ07HA14	26QZ07HA18	HOLLOW ALT.
		Mechanical Input Hp	4.83	26QZ10L56	26QZ10L14	26QZ10L18	L
		Thermal Input Hp	5.61	26QZ10R56	26QZ10R14	26QZ10R18	R
10	175	Output Torque (lb.in.)	1576	26QZ10LR56	26QZ10LR14	26QZ10LR18	LR
		Mechanical Output Hp	4.37	26QZ10H56	26QZ10H14	26QZ10H18	HOLLOW
		Output OHL (lbs.)	1610	26QZ10HA56	26QZ10HA14	26QZ10HA18	HOLLOW ALT.
		Mechanical Input Hp	3.62	26QZ15L56	26QZ15L14	26QZ15L18	L
		Thermal Input Hp	4.15	26QZ15R56	26QZ15R14	26QZ15R18	R
15	117	Output Torque (lb.in.)	1708	26QZ15LR56	26QZ15LR14	26QZ15LR18	LR
		Mechanical Output Hp	3.16	26QZ15H56	26QZ15H14	26QZ15H18	HOLLOW
		Output OHL (lbs.)	1610	26QZ15HA56	26QZ15HA14	26QZ15HA18	HOLLOW ALT.
		Mechanical Input Hp	2.71	26QZ20L56	26QZ20L14		L
		Thermal Input Hp	3.71	26QZ20R56	26QZ20R14		R
20	88	Output Torque (lb.in.)	1673	26QZ20LR56	26QZ20LR14		LR
		Mechanical Output Hp	2.32	26QZ20H56	26QZ20H14		HOLLOW
		Output OHL (lbs.)	1610	26QZ20HA56	26QZ20HA14		HOLLOW ALT.
		Mechanical Input Hp	2.26	26QZ25L56	26QZ25L14		L
		Thermal Input Hp	3.00	26QZ25R56	26QZ25R14		R
25	70	Output Torque (lb.in.)	1677	26QZ25LR56	26QZ25LR14		LR
		Mechanical Output Hp	1.86	26QZ25H56	26QZ25H14		HOLLOW
		Output OHL (lbs.)	1610	26QZ25HA56	26QZ25HA14		HOLLOW ALT.
		Mechanical Input Hp	2.00	26QZ30L56	26QZ30L14		L
		Thermal Input Hp	2.79	26QZ30R56	26QZ30R14		R
30	58	Output Torque (lb.in.)	1705	26QZ30LR56	26QZ30LR14		LR
		Mechanical Output Hp	1.58	26QZ30H56	26QZ30H14		HOLLOW
		Output OHL (lbs.)	1610	26QZ30HA56	26QZ30HA14		HOLLOW ALT.
		Mechanical Input Hp	1.55	26QZ40L56	26QZ40L14		L
		Thermal Input Hp	2.14	26QZ40R56	26QZ40R14		R
40	44	Output Torque (lb.in.)	1685	26QZ40LR56	26QZ40LR14		LR
		Mechanical Output Hp	1.17	26QZ40H56	26QZ40H14		HOLLOW
		Output OHL (lbs.)	1610	26QZ40HA56	26QZ40HA14		HOLLOW ALT.
		Mechanical Input Hp	1.32	26QZ50L56	26QZ50L14		L
		Thermal Input Hp	1.76	26QZ50R56	26QZ50R14		R
50	35	Output Torque (lb.in.)	1662	26QZ50LR56	26QZ50LR14		LR
		Mechanical Output Hp	0.92	26QZ50H56	26QZ50H14		HOLLOW
		Output OHL (lbs.)	1610	26QZ50HA56	26QZ50HA14		HOLLOW ALT.
		Mechanical Input Hp	1.08	26QZ60L56	26QZ60L14		L
		Thermal Input Hp	1.57	26QZ60R56	26QZ60R14		R
60	29	Output Torque (lb.in.)	1547	26QZ60LR56	26QZ60LR14		LR
		Mechanical Output Hp	0.72	26QZ60H56	26QZ60H14		HOLLOW
		Output OHL (lbs.)	1610	26QZ60HA56	26QZ60HA14		HOLLOW ALT.

Note: Reducers are shipped without a mounting base.
Washdown accessories available in Modifications / Accessories section.

Refer to page G4-119 for hollow bore bushing selections
Refer to page G4-51 for dimensions

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TIGEAR-2 E-Z KLEEN Reducers With 3-Piece Coupled Input - Size 26

3-Piece Coupled units include a Separate reducer, 3-piece coupling and motor adapter housing assembled together.

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Part Number 140TC	Part Number 180TC	Shaft Position
5	350	Mechanical Input Hp	7.37		26AZ05L14	26AZ05L18	L
		Thermal Input Hp	8.79		26AZ05R14	26AZ05R18	R
		Output Torque (lb.in.)	1247		26AZ05LR14	26AZ05LR18	LR
		Mechanical Output Hp	6.93		26AZ05H14	26AZ05H18	HOLLOW
		Output OHL (lbs.)	1330		26AZ05HA14	26AZ05HA18	HOLLOW ALT.
7.5	233	Mechanical Input Hp	5.92	26AZ07L56	26AZ07L14	26AZ07L18	L
		Thermal Input Hp	6.89	26AZ07R56	26AZ07R14	26AZ07R18	R
		Output Torque (lb.in.)	1458	26AZ07LR56	26AZ07LR14	26AZ07LR18	LR
		Mechanical Output Hp	5.47	26AZ07H56	26AZ07H14	26AZ07H18	HOLLOW
		Output OHL (lbs.)	1520	26AZ07HA56	26AZ07HA14	26AZ07HA18	HOLLOW ALT.
10	175	Mechanical Input Hp	4.83	26AZ10L56	26AZ10L14	26AZ10L18	L
		Thermal Input Hp	5.61	26AZ10R56	26AZ10R14	26AZ10R18	R
		Output Torque (lb.in.)	1576	26AZ10LR56	26AZ10LR14	26AZ10LR18	LR
		Mechanical Output Hp	4.37	26AZ10H56	26AZ10H14	26AZ10H18	HOLLOW
		Output OHL (lbs.)	1610	26AZ10HA56	26AZ10HA14	26AZ10HA18	HOLLOW ALT.
15	117	Mechanical Input Hp	3.62	26AZ15L56	26AZ15L14	26AZ15L18	L
		Thermal Input Hp	4.15	26AZ15R56	26AZ15R14	26AZ15R18	R
		Output Torque (lb.in.)	1708	26AZ15LR56	26AZ15LR14	26AZ15LR18	LR
		Mechanical Output Hp	3.16	26AZ15H56	26AZ15H14	26AZ15H18	HOLLOW
		Output OHL (lbs.)	1610	26AZ15HA56	26AZ15HA14	26AZ15HA18	HOLLOW ALT.
20	88	Mechanical Input Hp	2.71	26AZ20L56	26AZ20L14		L
		Thermal Input Hp	3.71	26AZ20R56	26AZ20R14		R
		Output Torque (lb.in.)	1673	26AZ20LR56	26AZ20LR14		LR
		Mechanical Output Hp	2.32	26AZ20H56	26AZ20H14		HOLLOW
		Output OHL (lbs.)	1610	26AZ20HA56	26AZ20HA14		HOLLOW ALT.
25	70	Mechanical Input Hp	2.26	26AZ25L56	26AZ25L14		L
		Thermal Input Hp	3.00	26AZ25R56	26AZ25R14		R
		Output Torque (lb.in.)	1677	26AZ25LR56	26AZ25LR14		LR
		Mechanical Output Hp	1.86	26AZ25H56	26AZ25H14		HOLLOW
		Output OHL (lbs.)	1610	26AZ25HA56	26AZ25HA14		HOLLOW ALT.
30	58	Mechanical Input Hp	2.00	26AZ30L56	26AZ30L14		L
		Thermal Input Hp	2.79	26AZ30R56	26AZ30R14		R
		Output Torque (lb.in.)	1705	26AZ30LR56	26AZ30LR14		LR
		Mechanical Output Hp	1.58	26AZ30H56	26AZ30H14		HOLLOW
		Output OHL (lbs.)	1610	26AZ30HA56	26AZ30HA14		HOLLOW ALT.
40	44	Mechanical Input Hp	1.55	26AZ40L56	26AZ40L14		L
		Thermal Input Hp	2.14	26AZ40R56	26AZ40R14		R
		Output Torque (lb.in.)	1685	26AZ40LR56	26AZ40LR14		LR
		Mechanical Output Hp	1.17	26AZ40H56	26AZ40H14		HOLLOW
		Output OHL (lbs.)	1610	26AZ40HA56	26AZ40HA14		HOLLOW ALT.
50	35	Mechanical Input Hp	1.32	26AZ50L56	26AZ50L14		L
		Thermal Input Hp	1.76	26AZ50R56	26AZ50R14		R
		Output Torque (lb.in.)	1662	26AZ50LR56	26AZ50LR14		LR
		Mechanical Output Hp	0.92	26AZ50H56	26AZ50H14		HOLLOW
		Output OHL (lbs.)	1610	26AZ50HA56	26AZ50HA14		HOLLOW ALT.
60	29	Mechanical Input Hp	1.08	26AZ60L56	26AZ60L14		L
		Thermal Input Hp	1.57	26AZ60R56	26AZ60R14		R
		Output Torque (lb.in.)	1547	26AZ60LR56	26AZ60LR14		LR
		Mechanical Output Hp	0.72	26AZ60H56	26AZ60H14		HOLLOW
		Output OHL (lbs.)	1610	26AZ60HA56	26AZ60HA14		HOLLOW ALT.

Note: Reducers are shipped without a mounting base.
Washdown accessories available in Modifications / Accessories section.

Refer to page G4-119 for hollow bore bushing selections
Refer to page G4-55 for dimensions

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WASHDOWN PRODUCTS

TIGEAR-2 E-Z KLEEN Reducers With Quill Input - Size 30

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	140TC	180TC	Shaft Position
5	350	Mechanical Input Hp	10.84		30QZ05L14	30QZ05L18	L
		Thermal Input Hp	12.53		30QZ05R14	30QZ05R18	R
		Output Torque (lb.in.)	1849		30QZ05LR14	30QZ05LR18	LR
		Mechanical Output Hp	10.27		30QZ05H14	30QZ05H18	HOLLOW
		Output OHL (lbs.)	1330				HOLLOW ALT.
7.5	233	Mechanical Input Hp	8.74		30QZ07L14	30QZ07L18	L
		Thermal Input Hp	9.64		30QZ07R14	30QZ07R18	R
		Output Torque (lb.in.)	2171		30QZ07LR14	30QZ07LR18	LR
		Mechanical Output Hp	8.15		30QZ07H14	30QZ07H18	HOLLOW
		Output OHL (lbs.)	1540				HOLLOW ALT.
10	175	Mechanical Input Hp	7.11		30QZ10L14	30QZ10L18	L
		Thermal Input Hp	7.85		30QZ10R14	30QZ10R18	R
		Output Torque (lb.in.)	2347		30QZ10LR14	30QZ10LR18	LR
		Mechanical Output Hp	6.52		30QZ10H14	30QZ10H18	HOLLOW
		Output OHL (lbs.)	1720				HOLLOW ALT.
15	117	Mechanical Input Hp	5.00		30QZ15L14	30QZ15L18	L
		Thermal Input Hp	5.72		30QZ15R14	30QZ15R18	R
		Output Torque (lb.in.)	2371		30QZ15LR14	30QZ15LR18	LR
		Mechanical Output Hp	4.39		30QZ15H14	30QZ15H18	HOLLOW
		Output OHL (lbs.)	2300				HOLLOW ALT.
20	88	Mechanical Input Hp	3.81	30QZ20L56	30QZ20L14	30QZ20L18	L
		Thermal Input Hp	4.52	30QZ20R56	30QZ20R14	30QZ20R18	R
		Output Torque (lb.in.)	2345	30QZ20LR56	30QZ20LR14	30QZ20LR18	LR
		Mechanical Output Hp	3.26	30QZ20H56	30QZ20H14	30QZ20H18	HOLLOW
		Output OHL (lbs.)	2300				HOLLOW ALT.
25	70	Mechanical Input Hp	3.05	30QZ25L56	30QZ25L14	30QZ25L18	L
		Thermal Input Hp	3.90	30QZ25R56	30QZ25R14	30QZ25R18	R
		Output Torque (lb.in.)	2284	30QZ25LR56	30QZ25LR14	30QZ25LR18	LR
		Mechanical Output Hp	2.54	30QZ25H56	30QZ25H14	30QZ25H18	HOLLOW
		Output OHL (lbs.)	2300				HOLLOW ALT.
30	58	Mechanical Input Hp	2.75	30QZ30L56	30QZ30L14		L
		Thermal Input Hp	3.58		30QZ30R14		R
		Output Torque (lb.in.)	2417	30QZ30LR56	30QZ30LR14		LR
		Mechanical Output Hp	2.24	30QZ30H56	30QZ30H14		HOLLOW
		Output OHL (lbs.)	2300				HOLLOW ALT.
40	44	Mechanical Input Hp	2.09	30QZ40L56	30QZ40L14		L
		Thermal Input Hp	2.87	30QZ40R56	30QZ40R14		R
		Output Torque (lb.in.)	2324	30QZ40LR56	30QZ40LR14		LR
		Mechanical Output Hp	1.61	30QZ40H56	30QZ40H14		HOLLOW
		Output OHL (lbs.)	2300				HOLLOW ALT.
50	35	Mechanical Input Hp	1.75	30QZ50L56	30QZ50L14		L
		Thermal Input Hp	2.34	30QZ50R56	30QZ50R14		R
		Output Torque (lb.in.)	2257	30QZ50LR56	30QZ50LR14		LR
		Mechanical Output Hp	1.25	30QZ50H56	30QZ50H14		HOLLOW
		Output OHL (lbs.)	2300				HOLLOW ALT.
60	29	Mechanical Input Hp	1.50	30QZ60L56	30QZ60L14		L
		Thermal Input Hp	2.01	30QZ60R56	30QZ60R14		R
		Output Torque (lb.in.)	2138	30QZ60LR56	30QZ60LR14		LR
		Mechanical Output Hp	0.99	30QZ60H56	30QZ60H14		HOLLOW
		Output OHL (lbs.)	2300				HOLLOW ALT.

Note: Reducers are shipped without a mounting base.
Washdown accessories available in Modifications / Accessories section.

Refer to page G4-119 for hollow bore bushing selections
Refer to page G4-57 for dimensions

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TIGEAR-2 E-Z KLEEN Reducers With 3-Piece Coupled Input - Size 30

3-Piece Coupled units include a Separate reducer, 3-piece coupling and motor adapter housing assembled together.

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Part Number 140TC	Part Number 180TC	Shaft Position
5	350	Mechanical Input Hp	10.84		30AZ05L14	30AZ05L18	L
		Thermal Input Hp	12.53		30AZ05R14	30AZ05R18	R
		Output Torque (lb.in.)	1849		30AZ05LR14	30AZ05LR18	LR
		Mechanical Output Hp	10.27		30AZ05H14	30AZ05H18	HOLLOW
		Output OHL (lbs.)	1330				HOLLOW ALT.
7.5	233	Mechanical Input Hp	8.74		30AZ07L14	30AZ07L18	L
		Thermal Input Hp	9.64		30AZ07R14	30AZ07R18	R
		Output Torque (lb.in.)	2171		30AZ07LR14	30AZ07LR18	LR
		Mechanical Output Hp	8.15		30AZ07H14	30AZ07H18	HOLLOW
		Output OHL (lbs.)	1540				HOLLOW ALT.
10	175	Mechanical Input Hp	7.11		30AZ10L14	30AZ10L18	L
		Thermal Input Hp	7.85		30AZ10R14	30AZ10R18	R
		Output Torque (lb.in.)	2347		30AZ10LR14	30AZ10LR18	LR
		Mechanical Output Hp	6.52		30AZ10H14	30AZ10H18	HOLLOW
		Output OHL (lbs.)	1720				HOLLOW ALT.
15	117	Mechanical Input Hp	5.00		30AZ15L14	30AZ15L18	L
		Thermal Input Hp	5.72		30AZ15R14	30AZ15R18	R
		Output Torque (lb.in.)	2371		30AZ15LR14	30AZ15LR18	LR
		Mechanical Output Hp	4.39		30AZ15H14	30AZ15H18	HOLLOW
		Output OHL (lbs.)	2300				HOLLOW ALT.
20	88	Mechanical Input Hp	3.81	30AZ20L56	30AZ20L14	30AZ20L18	L
		Thermal Input Hp	4.52	30AZ20R56	30AZ20R14	30AZ20R18	R
		Output Torque (lb.in.)	2345	30AZ20LR56	30AZ20LR14	30AZ20LR18	LR
		Mechanical Output Hp	3.26	30AZ20H56	30AZ20H14	30AZ20H18	HOLLOW
		Output OHL (lbs.)	2300				HOLLOW ALT.
25	70	Mechanical Input Hp	3.05	30AZ25L56	30AZ25L14	30AZ25L18	L
		Thermal Input Hp	3.90	30AZ25R56	30AZ25R14	30AZ25R18	R
		Output Torque (lb.in.)	2284	30AZ25LR56	30AZ25LR14	30AZ25LR18	LR
		Mechanical Output Hp	2.54	30AZ25H56	30AZ25H14	30AZ25H18	HOLLOW
		Output OHL (lbs.)	2300				HOLLOW ALT.
30	58	Mechanical Input Hp	2.75	30AZ30L56	30AZ30L14		L
		Thermal Input Hp	3.58	30AZ30R56	30AZ30R14		R
		Output Torque (lb.in.)	2417	30AZ30LR56	30AZ30LR14		LR
		Mechanical Output Hp	2.24	30AZ30H56	30AZ30H14		HOLLOW
		Output OHL (lbs.)	2300				HOLLOW ALT.
40	44	Mechanical Input Hp	2.09	30AZ40L56	30AZ40L14		L
		Thermal Input Hp	2.87	30AZ40R56	30AZ40R14		R
		Output Torque (lb.in.)	2324	30AZ40LR56	30AZ40LR14		LR
		Mechanical Output Hp	1.61	30AZ40H56	30AZ40H14		HOLLOW
		Output OHL (lbs.)	2300				HOLLOW ALT.
50	35	Mechanical Input Hp	1.75	30AZ50L56	30AZ50L14		L
		Thermal Input Hp	2.34	30AZ50R56	30AZ50R14		R
		Output Torque (lb.in.)	2257	30AZ50LR56	30AZ50LR14		LR
		Mechanical Output Hp	1.25	30AZ50H56	30AZ50H14		HOLLOW
		Output OHL (lbs.)	2300				HOLLOW ALT.
60	29	Mechanical Input Hp	1.50	30AZ60L56	30AZ60L14		L
		Thermal Input Hp	2.01	30AZ60R56	30AZ60R14		R
		Output Torque (lb.in.)	2138	30AZ60LR56	30AZ60LR14		LR
		Mechanical Output Hp	0.99	30AZ60H56	30AZ60H14		HOLLOW
		Output OHL (lbs.)	2300				HOLLOW ALT.

Note: Reducers are shipped without a mounting base.
Washdown accessories available in Modifications / Accessories section.

Refer to page G4-119 for hollow bore bushing selections
Refer to page G4-61 for dimensions

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WASHDOWN PRODUCTS

TIGEAR-2 E-Z KLEEN Reducers With Quill Input - Size 35

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	140TC	180TC	210TC	Shaft Position
5	350	Mechanical Input Hp	15.18		35QZ05L14	35QZ05L18	35QZ05L21	L
		Thermal Input Hp	15.51		35QZ05R14	35QZ05R18	35QZ05R21	R
		Output Torque (lb.in.)	2593		35QZ05LR14	35QZ05LR18	35QZ05LR21	LR
		Mechanical Output Hp	14.40		35QZ05H14	35QZ05H18	35QZ05H21	HOLLOW
		Output OHL (lbs.)	2120					HOLLOW ALT.
7.5	233	Mechanical Input Hp	12.24		35QZ07L14	35QZ07L18	35QZ07L21	L
		Thermal Input Hp	12.52		35QZ07R14	35QZ07R18	35QZ07R21	R
		Output Torque (lb.in.)	3054		35QZ07LR14	35QZ07LR18	35QZ07LR21	LR
		Mechanical Output Hp	11.46		35QZ07H14	35QZ07H18	35QZ07H21	HOLLOW
		Output OHL (lbs.)	2430					HOLLOW ALT.
10	175	Mechanical Input Hp	10.00		35QZ10L14	35QZ10L18	35QZ10L21	L
		Thermal Input Hp	10.63		35QZ10R14	35QZ10R18	35QZ10R21	R
		Output Torque (lb.in.)	3310		35QZ10LR14	35QZ10LR18	35QZ10LR21	LR
		Mechanical Output Hp	9.19		35QZ10H14	35QZ10H18	35QZ10H21	HOLLOW
		Output OHL (lbs.)	2700					HOLLOW ALT.
15	117	Mechanical Input Hp	7.44		35QZ15L14	35QZ15L18		L
		Thermal Input Hp	7.56		35QZ15R14	35QZ15R18		R
		Output Torque (lb.in.)	3599		35QZ15LR14	35QZ15LR18		LR
		Mechanical Output Hp	6.66		35QZ15H14	35QZ15H18		HOLLOW
		Output OHL (lbs.)	2760					HOLLOW ALT.
20	88	Mechanical Input Hp	5.79		35QZ20L14	35QZ20L18		L
		Thermal Input Hp	5.97		35QZ20R14	35QZ20R18		R
		Output Torque (lb.in.)	3620		35QZ20LR14	35QZ20LR18		LR
		Mechanical Output Hp	5.03		35QZ20H14	35QZ20H18		HOLLOW
		Output OHL (lbs.)	2760					HOLLOW ALT.
25	70	Mechanical Input Hp	4.72		35QZ25L14	35QZ25L18		L
		Thermal Input Hp	5.10		35QZ25R14	35QZ25R18		R
		Output Torque (lb.in.)	3586		35QZ25LR14	35QZ25LR18		LR
		Mechanical Output Hp	3.98		35QZ25H14	35QZ25H18		HOLLOW
		Output OHL (lbs.)	2760					HOLLOW ALT.
30	58	Mechanical Input Hp	4.15	35QZ30L56	35QZ30L14	35QZ30L18		L
		Thermal Input Hp	4.43	35QZ30R56	35QZ30R14	35QZ30R18		R
		Output Torque (lb.in.)	3682	35QZ30LR56	35QZ30LR14	35QZ30LR18		LR
		Mechanical Output Hp	3.41	35QZ30H56	35QZ30H14	35QZ30H18		HOLLOW
		Output OHL (lbs.)	2760					HOLLOW ALT.
40	44	Mechanical Input Hp	3.23	35QZ40L56	35QZ40L14	35QZ40L18		L
		Thermal Input Hp	3.54	35QZ40R56	35QZ40R14	35QZ40R18		R
		Output Torque (lb.in.)	3622	35QZ40LR56	35QZ40LR14	35QZ40LR18		LR
		Mechanical Output Hp	2.51	35QZ40H56	35QZ40H14	35QZ40H18		HOLLOW
		Output OHL (lbs.)	2760					HOLLOW ALT.
50	35	Mechanical Input Hp	2.64	35QZ50L56	35QZ50L14			L
		Thermal Input Hp	2.94	35QZ50R56	35QZ50R14			R
		Output Torque (lb.in.)	3485	35QZ50LR56	35QZ50LR14			LR
		Mechanical Output Hp	1.94	35QZ50H56	35QZ50H14			HOLLOW
		Output OHL (lbs.)	2760					HOLLOW ALT.
60	29	Mechanical Input Hp	2.19	35QZ60L56	35QZ60L14			L
		Thermal Input Hp	2.43	35QZ60R56	35QZ60R14			R
		Output Torque (lb.in.)	3194	35QZ60LR56	35QZ60LR14			LR
		Mechanical Output Hp	1.48	35QZ60H56	35QZ60H14			HOLLOW
		Output OHL (lbs.)	2760					HOLLOW ALT.

Note: Reducers are shipped without a mounting base.
Washdown accessories available in Modifications / Accessories section.

Refer to page G4-119 for hollow bore bushing selections
Refer to page G4-63 for dimensions

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WASHDOWN PRODUCTS

TIGEAR-2 E-Z KLEEN Reducers With 3-Piece Coupled Input - Size 35

3-Piece Coupled units include a Separate reducer, 3-piece coupling and motor adapter housing assembled together.

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	140TC	180TC	210TC	Shaft Position
5	350	Mechanical Input Hp	15.18		35AZ05L14	35AZ05L18	35AZ05L21	L
		Thermal Input Hp	15.51		35AZ05R14	35AZ05R18	35AZ05R21	R
		Output Torque (lb.in.)	2593		35AZ05LR14	35AZ05LR18	35AZ05LR21	LR
		Mechanical Output Hp	14.40		35AZ05H14	35AZ05H18	35AZ05H21	HOLLOW
		Output OHL (lbs.)	2120					HOLLOW ALT.
7.5	233	Mechanical Input Hp	12.24		35AZ07L14	35AZ07L18	35AZ07L21	L
		Thermal Input Hp	12.52		35AZ07R14	35AZ07R18	35AZ07R21	R
		Output Torque (lb.in.)	3054		35AZ07LR14	35AZ07LR18	35AZ07LR21	LR
		Mechanical Output Hp	11.46		35AZ07H14	35AZ07H18	35AZ07H21	HOLLOW
		Output OHL (lbs.)	2430					HOLLOW ALT.
10	175	Mechanical Input Hp	10.00		35AZ10L14	35AZ10L18	35AZ10L21	L
		Thermal Input Hp	10.63		35AZ10R14	35AZ10R18	35AZ10R21	R
		Output Torque (lb.in.)	3310		35AZ10LR14	35AZ10LR18	35AZ10LR21	LR
		Mechanical Output Hp	9.19		35AZ10H14	35AZ10H18	35AZ10H21	HOLLOW
		Output OHL (lbs.)	2700					HOLLOW ALT.
15	117	Mechanical Input Hp	7.44		35AZ15L14	35AZ15L18		L
		Thermal Input Hp	7.56		35AZ15R14	35AZ15R18		R
		Output Torque (lb.in.)	3599		35AZ15LR14	35AZ15LR18		LR
		Mechanical Output Hp	6.66		35AZ15H14	35AZ15H18		HOLLOW
		Output OHL (lbs.)	2760					HOLLOW ALT.
20	88	Mechanical Input Hp	5.79		35AZ20L14	35AZ20L18		L
		Thermal Input Hp	5.97		35AZ20R14	35AZ20R18		R
		Output Torque (lb.in.)	3620		35AZ20LR14	35AZ20LR18		LR
		Mechanical Output Hp	5.03		35AZ20H14	35AZ20H18		HOLLOW
		Output OHL (lbs.)	2760					HOLLOW ALT.
25	70	Mechanical Input Hp	4.72		35AZ25L14	35AZ25L18		L
		Thermal Input Hp	5.10		35AZ25R14	35AZ25R18		R
		Output Torque (lb.in.)	3586		35AZ25LR14	35AZ25LR18		LR
		Mechanical Output Hp	3.98		35AZ25H14	35AZ25H18		HOLLOW
		Output OHL (lbs.)	2760					HOLLOW ALT.
30	58	Mechanical Input Hp	4.15	35AZ30L56	35AZ30L14	35AZ30L18		L
		Thermal Input Hp	4.43	35AZ30R56	35AZ30R14	35AZ30R18		R
		Output Torque (lb.in.)	3682	35AZ30LR56	35AZ30LR14	35AZ30LR18		LR
		Mechanical Output Hp	3.41	35AZ30H56	35AZ30H14	35AZ30H18		HOLLOW
		Output OHL (lbs.)	2760					HOLLOW ALT.
40	44	Mechanical Input Hp	3.23	35AZ40L56	35AZ40L14	35AZ40L18		L
		Thermal Input Hp	3.54	35AZ40R56	35AZ40R14	35AZ40R18		R
		Output Torque (lb.in.)	3622	35AZ40LR56	35AZ40LR14	35AZ40LR18		LR
		Mechanical Output Hp	2.51	35AZ40H56	35AZ40H14	35AZ40H18		HOLLOW
		Output OHL (lbs.)	2760					HOLLOW ALT.
50	35	Mechanical Input Hp	2.64	35AZ50L56	35AZ50L14			L
		Thermal Input Hp	2.94	35AZ50R56	35AZ50R14			R
		Output Torque (lb.in.)	3485	35AZ50LR56	35AZ50LR14			LR
		Mechanical Output Hp	1.94	35AZ50H56	35AZ50H14			HOLLOW
		Output OHL (lbs.)	2760					HOLLOW ALT.
60	29	Mechanical Input Hp	2.19	35AZ60L56	35AZ60L14			L
		Thermal Input Hp	2.43	35AZ60R56	35AZ60R14			R
		Output Torque (lb.in.)	3194	35AZ60LR56	35AZ60LR14			LR
		Mechanical Output Hp	1.48	35AZ60H56	35AZ60H14			HOLLOW
		Output OHL (lbs.)	2760					HOLLOW ALT.

Note: Reducers are shipped without a mounting base.
Washdown accessories available in Modifications / Accessories section.

Refer to page G4-119 for hollow bore bushing selections
Refer to page G4-67 for dimensions

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WASHDOWN PRODUCTS

TIGEAR-2 ULTRA KLEEN Reducers With Quill Input - Size 17

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Part Number 140TC	Shaft Position
5	350	Mechanical Input Hp	2.59	17QS05L56	17QS05L14	L
		Thermal Input Hp	3.97	17QS05R56	17QS05R14	R
		Output Torque (lb.in.)	430	17QS05LR56	17QS05LR14	LR
		Mechanical Output Hp	2.39	17QS05H56	17QS05H14	HOLLOW
		Output OHL (lbs.)	1050			
7.5	233	Mechanical Input Hp	2.06	17QS07L56	17QS07L14	L
		Thermal Input Hp	3.42	17QS07R56	17QS07R14	R
		Output Torque (lb.in.)	500	17QS07LR56	17QS07LR14	LR
		Mechanical Output Hp	1.88	17QS07H56	17QS07H14	HOLLOW
		Output OHL (lbs.)	1190			
10	175	Mechanical Input Hp	1.67	17QS10L56	17QS10L14	L
		Thermal Input Hp	2.76	17QS10R56	17QS10R14	R
		Output Torque (lb.in.)	534	17QS10LR56	17QS10LR14	LR
		Mechanical Output Hp	1.48	17QS10H56	17QS10H14	HOLLOW
		Output OHL (lbs.)	1190			
15	117	Mechanical Input Hp	1.27	17QS15L56	17QS15L14	L
		Thermal Input Hp	2.01	17QS15R56	17QS15R14	R
		Output Torque (lb.in.)	583	17QS15LR56	17QS15LR14	LR
		Mechanical Output Hp	1.08	17QS15H56	17QS15H14	HOLLOW
		Output OHL (lbs.)	1190			
20	88	Mechanical Input Hp	1.03	17QS20L56	17QS20L14	L
		Thermal Input Hp	1.58	17QS20R56	17QS20R14	R
		Output Torque (lb.in.)	602	17QS20LR56	17QS20LR14	LR
		Mechanical Output Hp	0.84	17QS20H56	17QS20H14	HOLLOW
		Output OHL (lbs.)	1190			
25	70	Mechanical Input Hp	0.88	17QS25L56		L
		Thermal Input Hp	1.28	17QS25R56		R
		Output Torque (lb.in.)	609	17QS25LR56		LR
		Mechanical Output Hp	0.68	17QS25H56		HOLLOW
		Output OHL (lbs.)	1190			
30	58	Mechanical Input Hp	0.76	17QS30L56		L
		Thermal Input Hp	1.20	17QS30R56		R
		Output Torque (lb.in.)	615	17QS30LR56		LR
		Mechanical Output Hp	0.57	17QS30H56		HOLLOW
		Output OHL (lbs.)	1190			
40	44	Mechanical Input Hp	0.60	17QS40L56		L
		Thermal Input Hp	1.09	17QS40R56		R
		Output Torque (lb.in.)	627	17QS40LR56		LR
		Mechanical Output Hp	0.43	17QS40H56		HOLLOW
		Output OHL (lbs.)	1190			
50	35	Mechanical Input Hp	0.51	17QS50L56		L
		Thermal Input Hp	0.90	17QS50R56		R
		Output Torque (lb.in.)	608	17QS50LR56		LR
		Mechanical Output Hp	0.34	17QS50H56		HOLLOW
		Output OHL (lbs.)	1190			
60	29	Mechanical Input Hp	0.43	17QS60L56		L
		Thermal Input Hp	0.80	17QS60R56		R
		Output Torque (lb.in.)	576	17QS60LR56		LR
		Mechanical Output Hp	0.27	17QS60H56		HOLLOW
		Output OHL (lbs.)	1190			

Note: Reducers are shipped without a mounting base.
Washdown accessories available in Modifications / Accessories section.

Refer to page G4-119 for hollow bore bushing selections
Refer to page G4-104 and G4-105 for dimensions

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TIGEAR-2 ULTRA KLEEN Reducers With 3-Piece Coupled Input - Size 17

3-Piece Coupled units include a Separate reducer, 3-piece coupling and motor adapter housing assembled together.

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Part Number 140TC	Shaft Position
5	350	Mechanical Input Hp	2.59	17AS05L56	17AS05L14	L
		Thermal Input Hp	3.97	17AS05R56	17AS05R14	R
		Output Torque (lb.in.)	430	17AS05LR56	17AS05LR14	LR
		Mechanical Output Hp	2.39	17AS05H56	17AS05H14	HOLLOW
		Output OHL (lbs.)	1050			
7.5	233	Mechanical Input Hp	2.06	17AS07L56	17AS07L14	L
		Thermal Input Hp	3.42	17AS07R56	17AS07R14	R
		Output Torque (lb.in.)	500	17AS07LR56	17AS07LR14	LR
		Mechanical Output Hp	1.88	17AS07H56	17AS07H14	HOLLOW
		Output OHL (lbs.)	1190			
10	175	Mechanical Input Hp	1.67	17AS10L56	17AS10L14	L
		Thermal Input Hp	2.76	17AS10R56	17AS10R14	R
		Output Torque (lb.in.)	534	17AS10LR56	17AS10LR14	LR
		Mechanical Output Hp	1.48	17AS10H56	17AS10H14	HOLLOW
		Output OHL (lbs.)	1190			
15	117	Mechanical Input Hp	1.27	17AS15L56	17AS15L14	L
		Thermal Input Hp	2.01	17AS15R56	17AS15R14	R
		Output Torque (lb.in.)	583	17AS15LR56	17AS15LR14	LR
		Mechanical Output Hp	1.08	17AS15H56	17AS15H14	HOLLOW
		Output OHL (lbs.)	1190			
20	88	Mechanical Input Hp	1.03	17AS20L56	17AS20L14	L
		Thermal Input Hp	1.58	17AS20R56	17AS20R14	R
		Output Torque (lb.in.)	602	17AS20LR56	17AS20LR14	LR
		Mechanical Output Hp	0.84	17AS20H56	17AS20H14	HOLLOW
		Output OHL (lbs.)	1190			
25	70	Mechanical Input Hp	0.88	17AS25L56		L
		Thermal Input Hp	1.28	17AS25R56		R
		Output Torque (lb.in.)	609	17AS25LR56		LR
		Mechanical Output Hp	0.68	17AS25H56		HOLLOW
		Output OHL (lbs.)	1190			
30	58	Mechanical Input Hp	0.76	17AS30L56		L
		Thermal Input Hp	1.20	17AS30R56		R
		Output Torque (lb.in.)	615	17AS30LR56		LR
		Mechanical Output Hp	0.57	17AS30H56		HOLLOW
		Output OHL (lbs.)	1190			
40	44	Mechanical Input Hp	0.60	17AS40L56		L
		Thermal Input Hp	1.09	17AS40R56		R
		Output Torque (lb.in.)	627	17AS40LR56		LR
		Mechanical Output Hp	0.43	17AS40H56		HOLLOW
		Output OHL (lbs.)	1190			
50	35	Mechanical Input Hp	0.51	17AS50L56		L
		Thermal Input Hp	0.90	17AS50R56		R
		Output Torque (lb.in.)	608	17AS50LR56		LR
		Mechanical Output Hp	0.34	17AS50H56		HOLLOW
		Output OHL (lbs.)	1190			
60	29	Mechanical Input Hp	0.43	17AS60L56		L
		Thermal Input Hp	0.80	17AS60R56		R
		Output Torque (lb.in.)	576	17AS60LR56		LR
		Mechanical Output Hp	0.27	17AS60H56		HOLLOW
		Output OHL (lbs.)	1190			

Note: Reducers are shipped without a mounting base.
Washdown accessories available in Modifications / Accessories section.

Refer to page G4-119 for hollow bore bushing selections
Refer to page G4-106 and G4-107 for dimensions

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WASHDOWN PRODUCTS

DODGE ULTRA KLEEN Reducers With Quill Input - Size 21

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Part Number 140TC	Shaft Position
5	350	Mechanical Input Hp	3.14	21QS05L56	21QS05L14	L
		Thermal Input Hp	*	21QS05R56	21QS05R14	R
		Output Torque (lb.in.)	514	21QS05H56	21QS05H14	HOLLOW
		Mechanical Output Hp	2.85			
		Output OHL (lbs.)	750			
7.5	233	Mechanical Input Hp	2.70	21QS07L56	21QS07L14	L
		Thermal Input Hp	*	21QS07R56	21QS07R14	R
		Output Torque (lb.in.)	640	21QS07H56	21QS07H14	HOLLOW
		Mechanical Output Hp	2.37			
		Output OHL (lbs.)	750			
10	175	Mechanical Input Hp	2.02	21QS10L56	21QS10L14	L
		Thermal Input Hp	*	21QS10R56	21QS10R14	R
		Output Torque (lb.in.)	630	21QS10H56	21QS10H14	HOLLOW
		Mechanical Output Hp	1.75			
		Output OHL (lbs.)	750			
15	117	Mechanical Input Hp	1.35	21QS15L56	21QS15L14	L
		Thermal Input Hp	*	21QS15R56	21QS15R14	R
		Output Torque (lb.in.)	664	21QS15H56	21QS15H14	HOLLOW
		Mechanical Output Hp	1.23			
		Output OHL (lbs.)	750			
20	88	Mechanical Input Hp	1.06	21QS20L56	21QS20L14	L
		Thermal Input Hp	*	21QS20R56	21QS20R14	R
		Output Torque (lb.in.)	684	21QS20H56	21QS20H14	HOLLOW
		Mechanical Output Hp	0.96			
		Output OHL (lbs.)	750			
25	70	Mechanical Input Hp	0.89	21QS25L56	21QS25L14	L
		Thermal Input Hp	*	21QS25R56	21QS25R14	R
		Output Torque (lb.in.)	675	21QS25H56	21QS25H14	HOLLOW
		Mechanical Output Hp	0.75			
		Output OHL (lbs.)	750			
30	58	Mechanical Input Hp	0.83	21QS30L56		L
		Thermal Input Hp	*	21QS30R56		R
		Output Torque (lb.in.)	691	21QS30H56		HOLLOW
		Mechanical Output Hp	0.64			
		Output OHL (lbs.)	750			
40	44	Mechanical Input Hp	0.66	21QS40L56		L
		Thermal Input Hp	*	21QS40R56		R
		Output Torque (lb.in.)	680	21QS40H56		HOLLOW
		Mechanical Output Hp	0.47			
		Output OHL (lbs.)	750			
50	35	Mechanical Input Hp	0.58	21QS50L56		L
		Thermal Input Hp	*	21QS50R56		R
		Output Torque (lb.in.)	651	21QS50H56		HOLLOW
		Mechanical Output Hp	0.36			
		Output OHL (lbs.)	750			
60	29	Mechanical Input Hp	0.50	21QS60L56		L
		Thermal Input Hp	*	21QS60R56		R
		Output Torque (lb.in.)	634	21QS60H56		HOLLOW
		Mechanical Output Hp	0.29			
		Output OHL (lbs.)	750			

* Reducers will operate continuously up to the mechanical rating without exceeding the thermal limit (at 70F).

Note: 3-Piece Coupled Input Style not available for size 21 DODGE ULTRA KLEEN Reducer
Reducers are shipped without a mounting base.
Washdown accessories available in Modifications / Accessories section.

Refer to page G4-119 for hollow bore bushing selections
Refer to page G4-104 and G4-105 for dimensions

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TIGEAR-2 ULTRA KLEEN Reducers With Quill Input - Size 23

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Part Number 140TC	Part Number 180TC	Shaft Position
5	350	Mechanical Input Hp	5.25	23QS05L56	23QS05L14	23QS05L18	L
		Thermal Input Hp	6.61	23QS05R56	23QS05R14	23QS05R18	R
		Output Torque (lb.in.)	881	23QS05LR56	23QS05LR14	23QS05LR18	LR
		Mechanical Output Hp	4.89	23QS05H56	23QS05H14	23QS05H18	HOLLOW
		Output OHL (lbs.)	1330	23QS05HA56	23QS05HA14	23QS05HA18	HOLLOW ALT.
7.5	233	Mechanical Input Hp	4.18	23QS07L56	23QS07L14	23QS07L18	L
		Thermal Input Hp	5.64	23QS07R56	23QS07R14	23QS07R18	R
		Output Torque (lb.in.)	1026	23QS07LR56	23QS07LR14	23QS07LR18	LR
		Mechanical Output Hp	3.85	23QS07H56	23QS07H14	23QS07H18	HOLLOW
		Output OHL (lbs.)	1520	23QS07HA56	23QS07HA14	23QS07HA18	HOLLOW ALT.
10	175	Mechanical Input Hp	3.42	23QS10L56	23QS10L14	23QS10L18	L
		Thermal Input Hp	4.40	23QS10R56	23QS10R14	23QS10R18	R
		Output Torque (lb.in.)	1106	23QS10LR56	23QS10LR14	23QS10LR18	LR
		Mechanical Output Hp	3.07	23QS10H56	23QS10H14	23QS10H18	HOLLOW
		Output OHL (lbs.)	1610	23QS10HA56	23QS10HA14	23QS10HA18	HOLLOW ALT.
15	117	Mechanical Input Hp	2.57	23QS15L56	23QS15L14		L
		Thermal Input Hp	3.30	23QS15R56	23QS15R14		R
		Output Torque (lb.in.)	1199	23QS15LR56	23QS15LR14		LR
		Mechanical Output Hp	2.22	23QS15H56	23QS15H14		HOLLOW
		Output OHL (lbs.)	1610	23QS15HA56	23QS15HA14		HOLLOW ALT.
20	88	Mechanical Input Hp	2.00	23QS20L56	23QS20L14		L
		Thermal Input Hp	2.62	23QS20R56	23QS20R14		R
		Output Torque (lb.in.)	1178	23QS20LR56	23QS20LR14		LR
		Mechanical Output Hp	1.64	23QS20H56	23QS20H14		HOLLOW
		Output OHL (lbs.)	1610	23QS20HA56	23QS20HA14		HOLLOW ALT.
25	70	Mechanical Input Hp	1.65	23QS25L56	23QS25L14		L
		Thermal Input Hp	2.16	23QS25R56	23QS25R14		R
		Output Torque (lb.in.)	1184	23QS25LR56	23QS25LR14		LR
		Mechanical Output Hp	1.32	23QS25H56	23QS25H14		HOLLOW
		Output OHL (lbs.)	1610	23QS25HA56	23QS25HA14		HOLLOW ALT.
30	58	Mechanical Input Hp	1.42	23QS30L56	23QS30L14		L
		Thermal Input Hp	2.06	23QS30R56	23QS30R14		R
		Output Torque (lb.in.)	1201	23QS30LR56	23QS30LR14		LR
		Mechanical Output Hp	1.11	23QS30H56	23QS30H14		HOLLOW
		Output OHL (lbs.)	1610	23QS30HA56	23QS30HA14		HOLLOW ALT.
40	44	Mechanical Input Hp	1.11	23QS40L56	23QS40L14		L
		Thermal Input Hp	1.73	23QS40R56	23QS40R14		R
		Output Torque (lb.in.)	1193	23QS40LR56	23QS40LR14		LR
		Mechanical Output Hp	0.83	23QS40H56	23QS40H14		HOLLOW
		Output OHL (lbs.)	1610	23QS40HA56	23QS40HA14		HOLLOW ALT.
50	35	Mechanical Input Hp	0.95	23QS50L56			L
		Thermal Input Hp	1.42	23QS50R56			R
		Output Torque (lb.in.)	1182	23QS50LR56			LR
		Mechanical Output Hp	0.66	23QS50H56			HOLLOW
		Output OHL (lbs.)	1610	23QS50HA56			HOLLOW ALT.
60	29	Mechanical Input Hp	0.80	23QS60L56			L
		Thermal Input Hp	1.24	23QS60R56			R
		Output Torque (lb.in.)	1111	23QS60LR56			LR
		Mechanical Output Hp	0.51	23QS60H56			HOLLOW
		Output OHL (lbs.)	1610	23QS60HA56			HOLLOW ALT.

Note: Reducers are shipped without a mounting base.
Washdown accessories available in Modifications / Accessories section.

Refer to page G4-119 for hollow bore bushing selections
Refer to page G4-104 and G4-105 for dimensions

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TIGEAR-2 ULTRA KLEEN Reducers With 3-Piece Coupled Input - Size 23

3-Piece Coupled units include a Separate reducer, 3-piece coupling and motor adapter housing assembled together.

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	140TC	180TC	Shaft Position
5	350	Mechanical Input Hp	5.25	23AS05L56	23AS05L14	23AS05L18	L
		Thermal Input Hp	6.61	23AS05R56	23AS05R14	23AS05R18	R
		Output Torque (lb.in.)	881	23AS05LR56	23AS05LR14	23AS05LR18	LR
		Mechanical Output Hp	4.89	23AS05H56	23AS05H14	23AS05H18	HOLLOW
		Output OHL (lbs.)	1330	23AS05HA56	23AS05HA14	23AS05HA18	HOLLOW ALT.
7.5	233	Mechanical Input Hp	4.18	23AS07L56	23AS07L14	23AS07L18	L
		Thermal Input Hp	5.64	23AS07R56	23AS07R14	23AS07R18	R
		Output Torque (lb.in.)	1026	23AS07LR56	23AS07LR14	23AS07LR18	LR
		Mechanical Output Hp	3.85	23AS07H56	23QS07H14	23AS07H18	HOLLOW
		Output OHL (lbs.)	1520	23AS07HA56	23AS07HA14	23AS07HA18	HOLLOW ALT.
10	175	Mechanical Input Hp	3.42	23AS10L56	23AS10L14	23AS10L18	L
		Thermal Input Hp	4.40	23AS10R56	23AS10R14	23AS10R18	R
		Output Torque (lb.in.)	1106	23AS10LR56	23AS10LR14	23AS10LR18	LR
		Mechanical Output Hp	3.07	23AS10H56	23AS10H14	23AS10H18	HOLLOW
		Output OHL (lbs.)	1610	23AS10HA56	23AS10HA14	23AS10HA18	HOLLOW ALT.
15	117	Mechanical Input Hp	2.57	23AS15L56	23AS15L14		L
		Thermal Input Hp	3.30	23AS15R56	23AS15R14		R
		Output Torque (lb.in.)	1199	23AS15LR56	23AS15LR14		LR
		Mechanical Output Hp	2.22	23AS15H56	23AS15H14		HOLLOW
		Output OHL (lbs.)	1610	23AS15HA56	23AS15HA14		HOLLOW ALT.
20	88	Mechanical Input Hp	2.00	23AS20L56	23AS20L14		L
		Thermal Input Hp	2.62	23AS20R56	23AS20R14		R
		Output Torque (lb.in.)	1178	23AS20LR56	23AS20LR14		LR
		Mechanical Output Hp	1.64	23AS20H56	23AS20H14		HOLLOW
		Output OHL (lbs.)	1610	23AS20HA56	23AS20HA14		HOLLOW ALT.
25	70	Mechanical Input Hp	1.65	23AS25L56	23AS25L14		L
		Thermal Input Hp	2.16	23AS25R56	23AS25R14		R
		Output Torque (lb.in.)	1184	23AS25LR56	23AS25LR14		LR
		Mechanical Output Hp	1.32	23AS25H56	23AS25H14		HOLLOW
		Output OHL (lbs.)	1610	23AS25HA56	23AS25HA14		HOLLOW ALT.
30	58	Mechanical Input Hp	1.42	23AS30L56	23AS30L14		L
		Thermal Input Hp	2.06	23AS30R56	23AS30R14		R
		Output Torque (lb.in.)	1201	23AS30LR56	23AS30LR14		LR
		Mechanical Output Hp	1.11	23AS30H56	23AS30H14		HOLLOW
		Output OHL (lbs.)	1610	23AS30HA56	23AS30HA14		HOLLOW ALT.
40	44	Mechanical Input Hp	1.11	23AS40L56	23AS40L14		L
		Thermal Input Hp	1.73	23AS40R56	23AS40R14		R
		Output Torque (lb.in.)	1193	23AS40LR56	23AS40LR14		LR
		Mechanical Output Hp	0.83	23AS40H56	23AS40H14		HOLLOW
		Output OHL (lbs.)	1610	23AS40HA56	23AS40HA14		HOLLOW ALT.
50	35	Mechanical Input Hp	0.95	23AS50L56			L
		Thermal Input Hp	1.42	23AS50R56			R
		Output Torque (lb.in.)	1182	23AS50LR56			LR
		Mechanical Output Hp	0.66	23AS50H56			HOLLOW
		Output OHL (lbs.)	1610	23AS50HA56			HOLLOW ALT.
60	29	Mechanical Input Hp	0.80	23AS60L56			L
		Thermal Input Hp	1.24	23AS60R56			R
		Output Torque (lb.in.)	1111	23AS60LR56			LR
		Mechanical Output Hp	0.51	23AS60H56			HOLLOW
		Output OHL (lbs.)	1610	23AS60HA56			HOLLOW ALT.

Note: Reducers are shipped without a mounting base.
Washdown accessories available in Modifications / Accessories section.

Refer to page G4-119 for hollow bore bushing selections
Refer to page G4-106 and G4-107 for dimensions

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DODGE ULTRA KLEEN Reducers With Quill Input - Size 26

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Part Number 140TC	Part Number 180TC	Shaft Position
		Mechanical Input Hp	5.43		26QS05L14	26QS05L18	L
		Thermal Input Hp	*		26QS05R14	26QS05R18	R
5	350	Output Torque (lb.in.)	919				
		Mechanical Output Hp	5.10		26QS05H14	26QS05H18	HOLLOW
		Output OHL (lbs.)	1100				
		Mechanical Input Hp	4.30	26QS07L56	26QS07L14	26QS07L18	L
		Thermal Input Hp	*	26QS07R56	26QS07R14	26QS07R18	R
7.5	233	Output Torque (lb.in.)	1079				
		Mechanical Output Hp	3.99	26QS07H56	26QS07H14	26QS07H18	HOLLOW
		Output OHL (lbs.)	1100				
		Mechanical Input Hp	3.59	26QS10L56	26QS10L14	26QS10L18	L
		Thermal Input Hp	*	26QS10R56	26QS10R14	26QS10R18	R
10	175	Output Torque (lb.in.)	1177				
		Mechanical Output Hp	3.27	26QS10H56	26QS10H14	26QS10H18	HOLLOW
		Output OHL (lbs.)	1100				
		Mechanical Input Hp	2.58	26QS15L56	26QS15L14	26QS15L18	L
		Thermal Input Hp	*	26QS15R56	26QS15R14	26QS15R18	R
15	117	Output Torque (lb.in.)	1225				
		Mechanical Output Hp	2.27	26QS15H56	26QS15H14	26QS15H18	HOLLOW
		Output OHL (lbs.)	1100				
		Mechanical Input Hp	2.15	26QS20L56	26QS20L14		L
		Thermal Input Hp	*	26QS20R56	26QS20R14		R
20	88	Output Torque (lb.in.)	1308				
		Mechanical Output Hp	1.83	26QS20H56	26QS20H14		HOLLOW
		Output OHL (lbs.)	1100				
		Mechanical Input Hp	1.73	26QS25L56	26QS25L14		L
		Thermal Input Hp	*	26QS25R56	26QS25R14		R
25	70	Output Torque (lb.in.)	1307				
		Mechanical Output Hp	1.45	26QS25H56	26QS25H14		HOLLOW
		Output OHL (lbs.)	1100				
		Mechanical Input Hp	1.54	26QS30L56	26QS30L14		L
		Thermal Input Hp	*	26QS30R56	26QS30R14		R
30	58	Output Torque (lb.in.)	1313				
		Mechanical Output Hp	1.21	26QS30H56	26QS30H14		HOLLOW
		Output OHL (lbs.)	1100				
		Mechanical Input Hp	1.23	26QS40L56	26QS40L14		L
		Thermal Input Hp	*	26QS40R56	26QS40R14		R
40	44	Output Torque (lb.in.)	1296				
		Mechanical Output Hp	0.90	26QS40H56	26QS40H14		HOLLOW
		Output OHL (lbs.)	1100				
		Mechanical Input Hp	1.00	26QS50L56	26QS50L14		L
		Thermal Input Hp	*	26QS50R56	26QS50R14		R
50	35	Output Torque (lb.in.)	1242				
		Mechanical Output Hp	0.69	26QS50H56	26QS50H14		HOLLOW
		Output OHL (lbs.)	1100				
		Mechanical Input Hp	0.82	26QS60L56	26QS60L14		L
		Thermal Input Hp	*	26QS60R56	26QS60R14		R
60	29	Output Torque (lb.in.)	1166				
		Mechanical Output Hp	0.54	26QS60H56	26QS60H14		HOLLOW
		Output OHL (lbs.)	1100				

* Reducers will operate continuously up to the mechanical rating without exceeding the thermal limit (at 70°F)

Note: 3-Piece Coupled Input Style not available for size 26 DODGE ULTRA KLEEN Reducer
Reducers are shipped without a mounting base.

Washdown accessories available in Modifications / Accessories section.

Refer to page G4-119 for hollow bore bushing selections
Refer to page G4-104 and G4-105 for dimensions

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TIGEAR-2 ULTRA KLEEN Reducers With Quill Input - Size 30

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	Part Number 140TC	Part Number 180TC	Shaft Position
5	350	Mechanical Input Hp	10.84		30QS05L14	30QS05L18	L
		Thermal Input Hp	12.53		30QS05R14	30QS05R18	R
		Output Torque (lb.in.)	1849		30QS05LR14	30QS05LR18	LR
		Mechanical Output Hp	10.27		30QS05H14	30QS05H18	HOLLOW
		Output OHL (lbs.)	1330				
7.5	233	Mechanical Input Hp	8.74		30QS07L14	30QS07L18	L
		Thermal Input Hp	9.64		30QS07R14	30QS07R18	R
		Output Torque (lb.in.)	2171		30QS07LR14	30QS07LR18	LR
		Mechanical Output Hp	8.15		30QS07H14	30QS07H18	HOLLOW
		Output OHL (lbs.)	1540				
10	175	Mechanical Input Hp	7.11		30QS10L14	30QS10L18	L
		Thermal Input Hp	7.85		30QS10R14	30QS10R18	R
		Output Torque (lb.in.)	2347		30QS10LR14	30QS10LR18	LR
		Mechanical Output Hp	6.52		30QS10H14	30QS10H18	HOLLOW
		Output OHL (lbs.)	1720				
15	117	Mechanical Input Hp	5.00		30QS15L14	30QS15L18	L
		Thermal Input Hp	5.72		30QS15R14	30QS15R18	R
		Output Torque (lb.in.)	2371		30QS15LR14	30QS15LR18	LR
		Mechanical Output Hp	4.39		30QS15H14	30QS15H18	HOLLOW
		Output OHL (lbs.)	2300				
20	88	Mechanical Input Hp	3.81	30QS20L56	30QS20L14	30QS20L18	L
		Thermal Input Hp	4.52	30QS20R56	30QS20R14	30QS20R18	R
		Output Torque (lb.in.)	2345	30QS20LR56	30QS20LR14	30QS20LR18	LR
		Mechanical Output Hp	3.26	30QS20H56	30QS20H14	30QS20H18	HOLLOW
		Output OHL (lbs.)	2300				
25	70	Mechanical Input Hp	3.05	30QS25L56	30QS25L14	30QS25L18	L
		Thermal Input Hp	3.90	30QS25R56	30QS25R14	30QS25R18	R
		Output Torque (lb.in.)	2284	30QS25LR56	30QS25LR14	30QS25LR18	LR
		Mechanical Output Hp	2.54	30QS25H56	30QS25H14	30QS25H18	HOLLOW
		Output OHL (lbs.)	2300				
30	58	Mechanical Input Hp	2.75	30QS30L56	30QS30L14		L
		Thermal Input Hp	3.58	30QS30R56	30QS30R14		R
		Output Torque (lb.in.)	2417	30QS30LR56	30QS30LR14		LR
		Mechanical Output Hp	2.24	30QS30H56	30QS30H14		HOLLOW
		Output OHL (lbs.)	2300				
40	44	Mechanical Input Hp	2.09	30QS40L56	30QS40L14		L
		Thermal Input Hp	2.87	30QS40R56	30QS40R14		R
		Output Torque (lb.in.)	2324	30QS40LR56	30QS40LR14		LR
		Mechanical Output Hp	1.61	30QS40H56	30QS40H14		HOLLOW
		Output OHL (lbs.)	2300				
50	35	Mechanical Input Hp	1.75	30QS50L56	30QS50L14		L
		Thermal Input Hp	2.34	30QS50R56	30QS50R14		R
		Output Torque (lb.in.)	2257	30QS50LR56	30QS50LR14		LR
		Mechanical Output Hp	1.25	30QS50H56	30QS50H14		HOLLOW
		Output OHL (lbs.)	2300				
60	29	Mechanical Input Hp	1.50	30QS60L56	30QS60L14		L
		Thermal Input Hp	2.01	30QS60R56	30QS60R14		R
		Output Torque (lb.in.)	2138	30QS60LR56	30QS60LR14		LR
		Mechanical Output Hp	0.99	30QS60H56	30QS60H14		HOLLOW
		Output OHL (lbs.)	2300				

Note: Reducers are shipped without a mounting base.
Washdown accessories available in Modifications / Accessories section.

Refer to page G4-119 for hollow bore bushing selections
Refer to page G4-104 and G4-105 for dimensions

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TIGEAR-2 ULTRA KLEEN Reducers With 3-Piece Coupled Input - Size 30

3-Piece Coupled units include a Separate reducer, 3-piece coupling and motor adapter housing assembled together.

Ratio	Output RPM	Rating Data 1750 Input RPM		Part Number 56C	140TC	180TC	Shaft Position
5	350	Mechanical Input Hp	10.84		30AS05L14	30AS05L18	L
		Thermal Input Hp	12.53		30AS05R14	30AS05R18	R
		Output Torque (lb.in.)	1849		30AS05LR14	30AS05LR18	LR
		Mechanical Output Hp	10.27		30AS05H14	30AS05H18	HOLLOW
		Output OHL (lbs.)	1330				
7.5	233	Mechanical Input Hp	8.74		30AS07L14	30AS07L18	L
		Thermal Input Hp	9.64		30AS07R14	30AS07R18	R
		Output Torque (lb.in.)	2171		30AS07LR14	30AS07LR18	LR
		Mechanical Output Hp	8.15		30AS07H14	30AS07H18	HOLLOW
		Output OHL (lbs.)	1540				
10	175	Mechanical Input Hp	7.11		30AS10L14	30AS10L18	L
		Thermal Input Hp	7.85		30AS10R14	30AS10R18	R
		Output Torque (lb.in.)	2347		30AS10LR14	30AS10LR18	LR
		Mechanical Output Hp	6.52		30AS10H14	30AS10H18	HOLLOW
		Output OHL (lbs.)	1720				
15	117	Mechanical Input Hp	5.00		30AS15L14	30AS15L18	L
		Thermal Input Hp	5.72		30AS15R14	30AS15R18	R
		Output Torque (lb.in.)	2371		30AS15LR14	30AS15LR18	LR
		Mechanical Output Hp	4.39		30AS15H14	30AS15H18	HOLLOW
		Output OHL (lbs.)	2300				
20	88	Mechanical Input Hp	3.81	30AS20L56	30AS20L14	30AS20L18	L
		Thermal Input Hp	4.52	30AS20R56	30AS20R14	30AS20R18	R
		Output Torque (lb.in.)	2345	30AS20LR56	30AS20LR14	30AS20LR18	LR
		Mechanical Output Hp	3.26	30AS20H56	30AS20H14	30AS20H18	HOLLOW
		Output OHL (lbs.)	2300				
25	70	Mechanical Input Hp	3.05	30AS25L56	30AS25L14	30AS25L18	L
		Thermal Input Hp	3.90	30AS25R56	30AS25R14	30AS25R18	R
		Output Torque (lb.in.)	2284	30AS25LR56	30AS25LR14	30AS25LR18	LR
		Mechanical Output Hp	2.54	30AS25H56	30AS25H14	30AS25H18	HOLLOW
		Output OHL (lbs.)	2300				
30	58	Mechanical Input Hp	2.75	30AS30L56	30AS30L14		L
		Thermal Input Hp	3.58	30AS30R56	30AS30R14		R
		Output Torque (lb.in.)	2417	30AS30LR56	30AS30LR14		LR
		Mechanical Output Hp	2.24	30AS30H56	30AS30H14		HOLLOW
		Output OHL (lbs.)	2300				
40	44	Mechanical Input Hp	2.09	30AS40L56	30AS40L14		L
		Thermal Input Hp	2.87	30AS40R56	30AS40R14		R
		Output Torque (lb.in.)	2324	30AS40LR56	30AS40LR14		LR
		Mechanical Output Hp	1.61	30AS40H56	30AS40H14		HOLLOW
		Output OHL (lbs.)	2300				
50	35	Mechanical Input Hp	1.75	30AS50L56	30AS50L14		L
		Thermal Input Hp	2.34	30AS50R56	30AS50R14		R
		Output Torque (lb.in.)	2257	30AS50LR56	30AS50LR14		LR
		Mechanical Output Hp	1.25	30AS50H56	30AS50H14		HOLLOW
		Output OHL (lbs.)	2300				
60	29	Mechanical Input Hp	1.50	30AS60L56	30AS60L14		L
		Thermal Input Hp	2.01	30AS60R56	30AS60R14		R
		Output Torque (lb.in.)	2138	30AS60LR56	30AS60LR14		LR
		Mechanical Output Hp	0.99	30AS60H56	30AS60H14		HOLLOW
		Output OHL (lbs.)	2300				

Note: Reducers are shipped without a mounting base.
Washdown accessories available in Modifications / Accessories section.

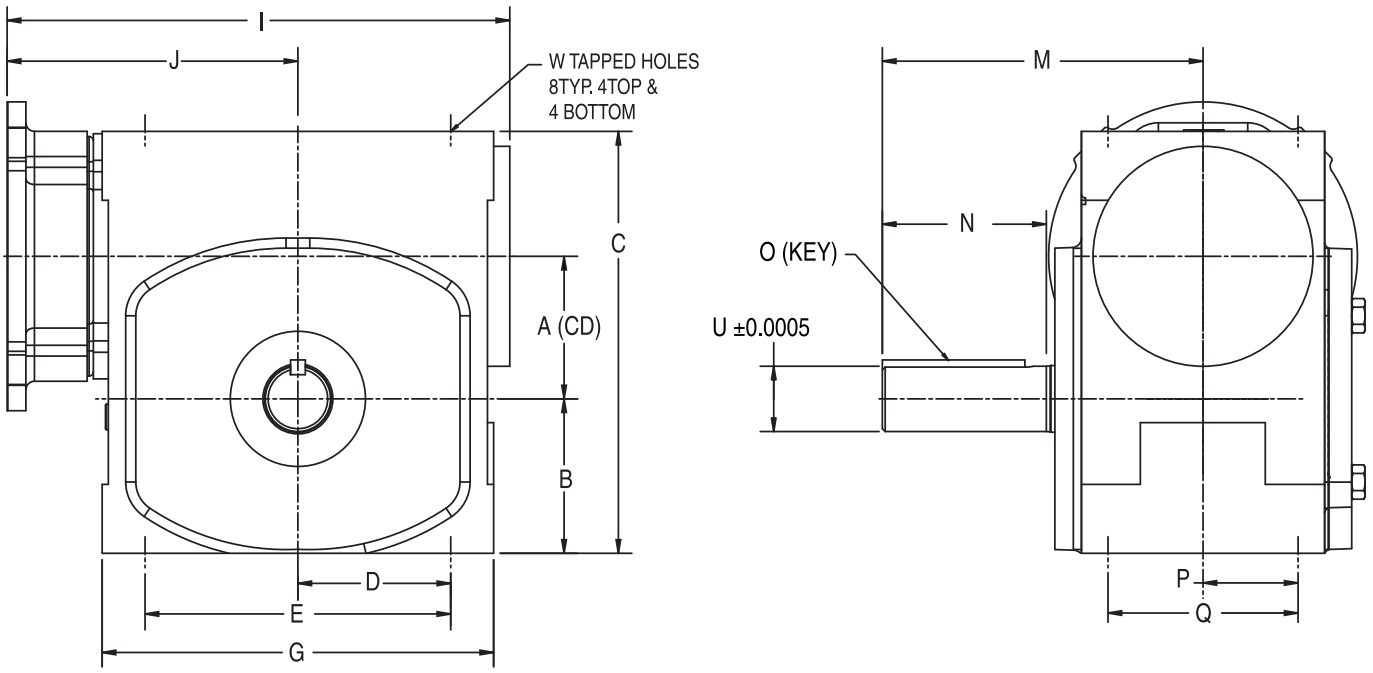
Refer to page G4-119 for hollow bore bushing selections
Refer to page G4-106 and G4-107 for dimensions

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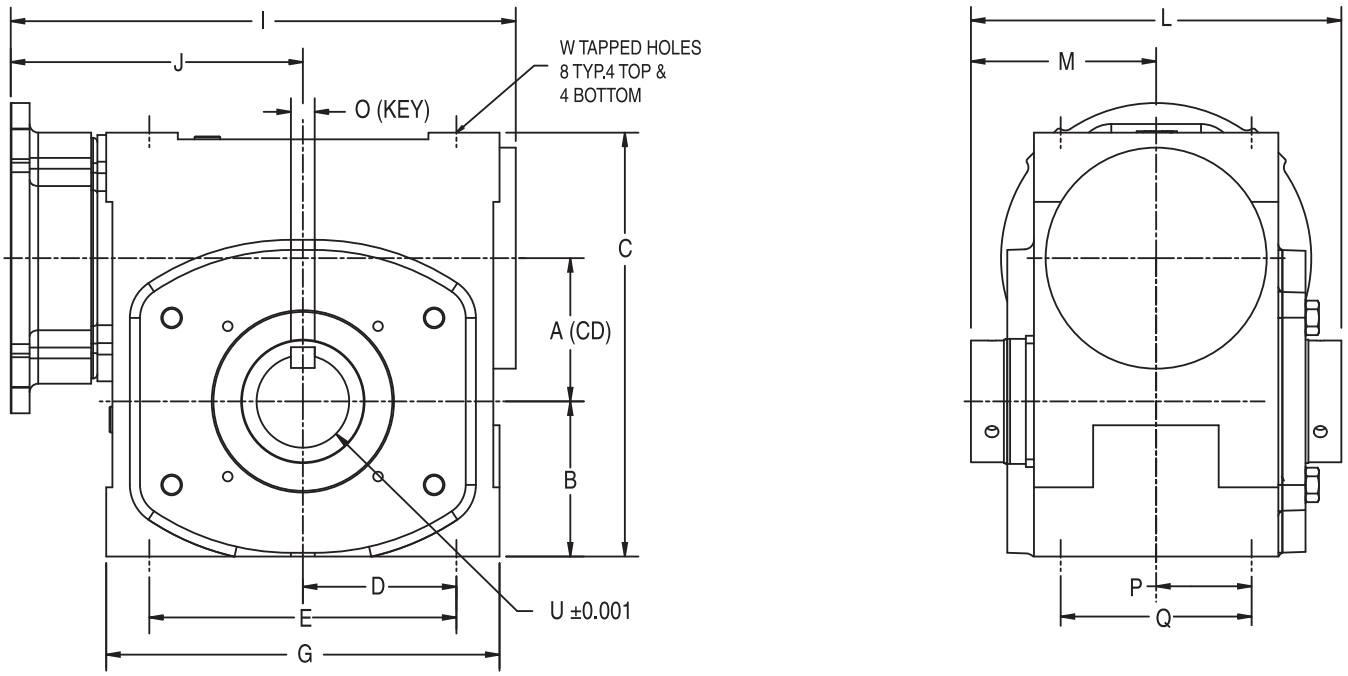
ULTRA KLEEN DIMENSIONS WASHDOWN PRODUCTS

Quill Input Dimensions

QUILL INPUT WITH SOLID OUTPUT



QUILL INPUT WITH HOLLOW OUTPUT



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DODGE®

Quill Input Dimensions

Quill Input With Solid Output

Size	A	B	C	D	E	G	I		J	
							56C/140TC	180TC	56C/140TC	180TC
17	1.75	1.99	5.85	2.09	4.19	5.41	8.00	N/A	4.90	N/A
21	2.06	2.28	6.38	2.50	5.00	6.06	N/A	N/A	5.07	-
23	2.31	2.50	7.38	2.50	5.00	6.67	9.14	10.17	5.46	6.49
26	2.62	2.94	8.00	3.19	6.38	7.38	N/A	N/A	5.75	6.19
30	3.00	3.25	8.88	3.50	7.00	8.15	10.59	11.62	6.11	7.14

Size	M	N	O	P	Q	U*	W	
						+/-0.0005	Tap Size	Depth
17	4.31	1.74	3/16 SQ. x 1.50 KEY	1.38	2.75	0.874	5/16-18	0.75
21	4.69	2.38	1/4 SQ. x 1.25 KEY	1.44	2.88	1.000	3/8-16	0.59
23	5.14	2.18	1/4 SQ. x 1.98 KEY	1.44	2.88	1.124	3/8-16	0.69
26	5.62	2.78	1/4 SQ. x 2.00 KEY	1.69	3.38	1.125	3/8-16	0.69
30	6.75	3.20	5/16 SQ. x 3.00 KEY	2.00	4.00	1.374	7/16-14	0.88

* Tolerance for "U" dimension: +/-0.0005 on sizes 17, 23, 30
+/-0.001 on sizes 21, 26

Quill Input With Hollow Output

Size	A	B	C	D	E	G	I		J	
							56C/140TC	180TC	56C/140TC	180TC
17	1.75	1.99	5.85	2.09	4.19	5.41	8.00	N/A	4.90	N/A
21	2.06	2.28	6.38	2.50	5.00	6.13	8.63	-	5.06	-
23	2.31	2.50	7.38	2.50	5.00	6.67	9.14	10.17	5.46	6.49
23 ALT.	2.31	2.50	7.38	2.50	5.00	6.67	9.14	10.17	5.46	6.45
26	2.62	2.94	8.00	3.19	6.38	7.45	9.90	10.34	5.75	6.19
30	3.00	3.25	8.88	3.50	7.00	8.15	10.59	11.62	6.11	7.14

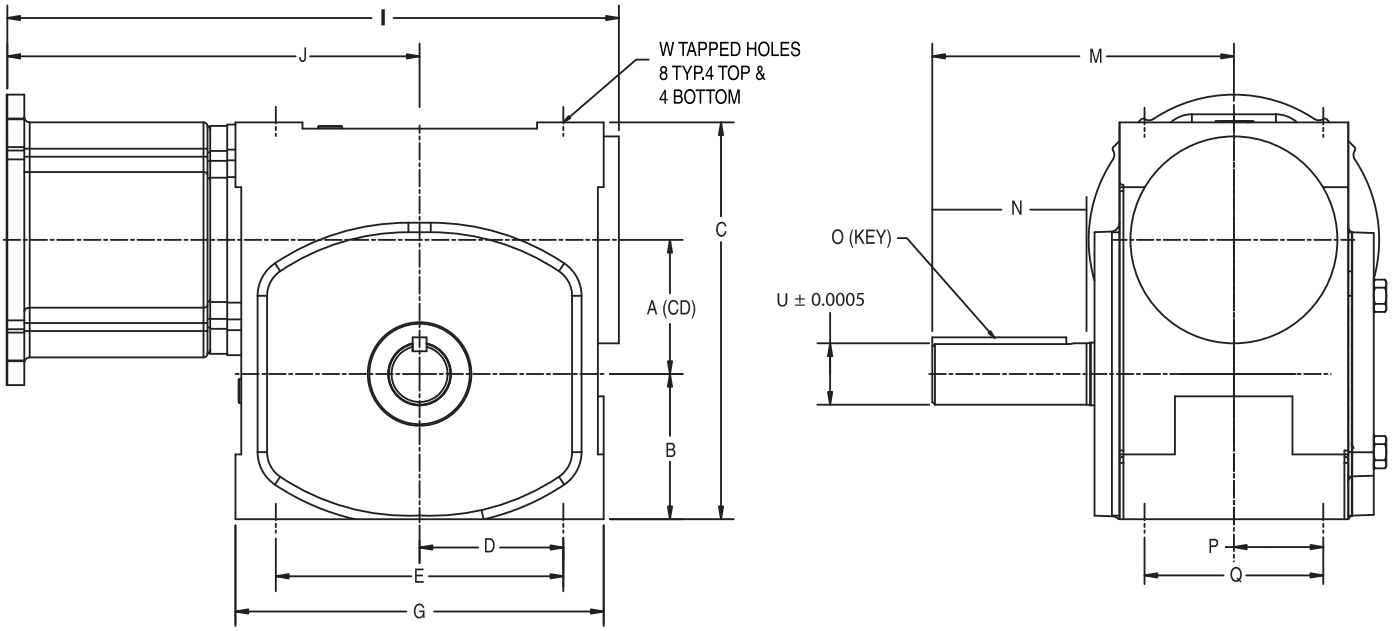
Size	L	M	O	P	Q	U	W	
						+/-0.001	Tap Size	Depth
17	5.41	2.71	1/4 x 0.22 x 1.50 KEY	1.38	2.75	1.001	5/16-18	0.75
21	6.44	3.22	1/4 SQ. X 1.625 KEY	1.44	2.88	1.438	3/8-16	0.69
23	6.62	3.31	3/8 x 0.31 x 2.20 KEY	1.44	2.88	1.439	3/8-16	0.69
23 ALT.	6.62	3.31	3/8 x 0.28 x 2.20 KEY	1.44	2.88	1.501	3/8-16	0.69
26	6.88	3.44	3/8 SQ. X 1.500 KEY	1.69	3.38	1.438	3/8-16	0.69
30	7.76	3.88	1/2 x 0.44 x 3.00 KEY	2.00	4.00	1.939	7/16-14	0.88

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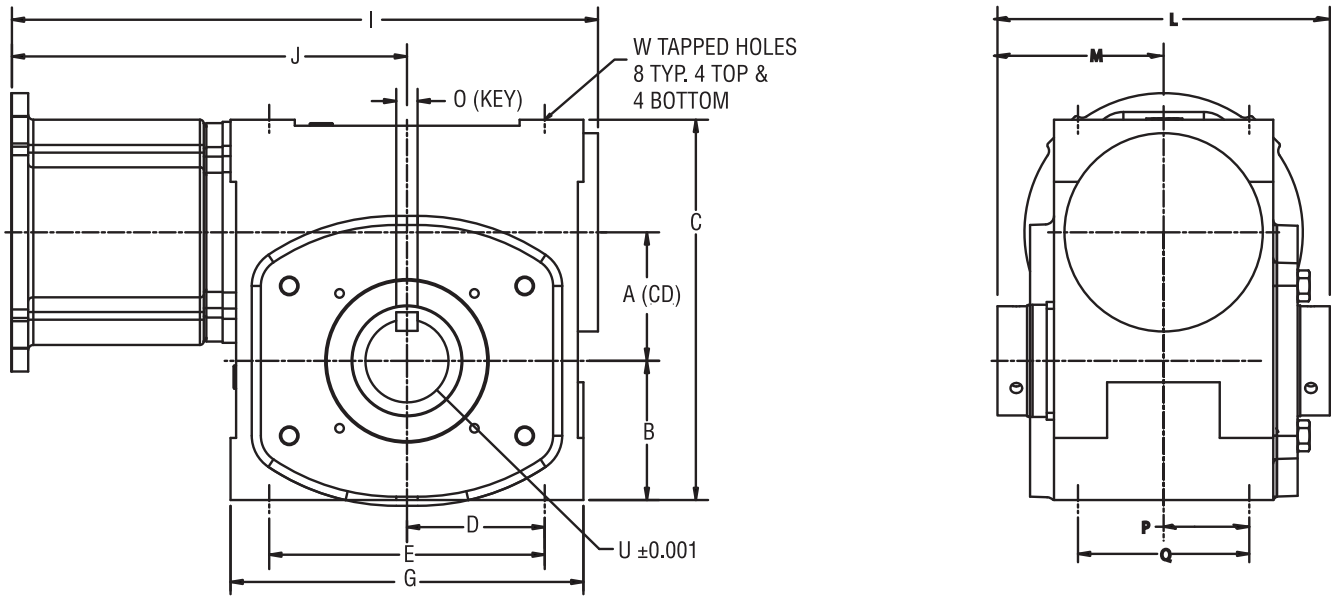
WASHDOWN PRODUCTS

3-Piece Coupled Input Dimensions

3-Piece Coupled Input With Solid Output



3-Piece Coupled Input With Hollow Output



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WASHDOWN PRODUCTS

3-Piece Coupled Input Dimensions

3-Piece Coupled Input With Solid Output

Size	A	B	C	D	E	G	I		J	
							56C/140TC	180TC	56C/140TC	180TC
17	1.75	1.99	5.85	2.09	4.19	5.41	10.83	N/A	7.73	N/A
23	2.31	2.50	7.38	2.50	5.00	6.67	12.26	13.21	8.58	9.53
30	3.00	3.25	8.88	3.50	7.00	8.15	13.71	14.66	9.23	10.18

Size	M	N	O	P	Q	U	W
						+/- 0.0005	
17	4.31	1.74	3/16 SQ. x 1.50 KEY	1.38	2.75	0.874	5/16-18 TAP 0.75 DEEP
23	5.14	2.18	1/4 SQ. x 1.98 KEY	1.44	2.88	1.124	3/8-16 TAP 0.69 DEEP
30	6.75	3.20	5/16 SQ. x 3.00 KEY	2.00	4.00	1.374	7/16-14 TAP 0.88 DEEP

3-Piece Coupled Input With Hollow Output

Size	A	B	C	D	E	G	I		J	
							56C/140TC	180TC	56C/140TC	180TC
17	1.75	1.99	5.85	2.09	4.19	5.41	10.83	N/A	7.73	N/A
23	2.31	2.50	7.38	2.50	5.00	6.67	12.26	13.21	8.58	9.53
23 ALT.	2.31	2.50	7.38	2.50	5.00	6.67	12.26	13.21	8.58	9.53
30	3.00	3.25	8.88	3.50	7.00	8.15	13.71	14.66	9.23	10.18

Size	L	M	O	P	Q	U	W
						+/-0.001	
17	5.41	2.71	1/4 x 0.22 x 1.50 KEY	1.38	2.75	1.001	5/16-18 TAP 0.75 DEEP
23	6.62	3.31	3/8 x 0.31 x 2.20 KEY	1.44	2.88	1.439	3/8-16 TAP 0.69 DEEP
23 ALT.	6.62	3.31	3/8 x 0.28 x 2.20 KEY	1.44	2.88	1.501	7/16-14 TAP 0.88 DEEP
30	7.76	3.88	1/2 x 0.44 x 3.00 KEY	2.00	4.00	1.939	7/16-14 TAP 0.88 DEEP

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HELICAL ATTACHMENT

TIGEAR-2 Helical Attachment

Quick Selections: Helical Attachment And TIGEAR-2 Assemblies

Overall Ratio	Output RPM	Motor HP	O/P Torque	SF	HA Part Number	Tigear-2 Part Number Output Shaft Configuration			
						Solid Shaft Left	Solid Shaft Right	Solid Shaft Left/Right	Hollow Shaft
75	23.33	0.25	546	1.17	**156HA556**	**17Q15L56**	**17Q15R56**	**17Q15LR56**	**17Q15H56**
		0.33	729	1.30	**156HA556**	**20Q15L56**	**20Q15R56**	**20Q15LR56**	**20Q15H56**
		0.5	1105	1.33	**156HA556**	**23Q15L56**	**23Q15R56**	**23Q15LR56**	**23Q15H56**
		0.75	1676	1.31	**256HA514**	**26Q15L14**	**26Q15R14**	**26Q15LR14**	**26Q15H14**
		1	2235	1.43	**256HA514**	**30Q15L14**	**30Q15R14**	**30Q15LR14**	**30Q15H14**
		1.5	3353	1.55	**214HA514**	**35Q15L14**	**35Q15R14**	**35Q15LR14**	**35Q15H14**
80	21.88	0.25	556	1.19	**156HA456**	**17Q20L56**	**17Q20R56**	**17Q20LR56**	**17Q20H56**
		0.33	742	1.32	**156HA456**	**20Q20L56**	**20Q20R56**	**20Q20LR56**	**20Q20H56**
		0.5	1139	1.34	**156HA456**	**23Q20L56**	**23Q20R56**	**23Q20LR56**	**23Q20H56**
		0.75	1728	1.32	**256HA414**	**26Q20L14**	**26Q20R14**	**26Q20LR14**	**26Q20H14**
		1	2305	1.55	**256HA414**	**30Q20L14**	**30Q20R14**	**30Q20LR14**	**30Q20H14**
		1.5	3457	1.55	**214HA414**	**35Q20L14**	**35Q20R14**	**35Q20LR14**	**35Q20H14**
100	17.5	0.25	736	1.29	**156HA556**	**20Q20L56**	**20Q20R56**	**20Q20LR56**	**20Q20H56**
		0.33	928	1.06	**156HA556**	**20Q20L56**	**20Q20R56**	**20Q20LR56**	**20Q20H56**
		0.5	1423	1.07	**156HA556**	**23Q20L56**	**23Q20R56**	**23Q20LR56**	**23Q20H56**
		0.75	2161	1.05	**256HA514**	**26Q20L14**	**26Q20R14**	**26Q20LR14**	**26Q20H14**
		1	2881	1.24	**256HA514**	**30Q20L14**	**30Q20R14**	**30Q20LR14**	**30Q20H14**
		1.5	4321	1.24	**214HA514**	**35Q20L14**	**35Q20R14**	**35Q20LR14**	**35Q20H14**
120	14.58	0.25	782	1.24	**156HA456**	**20Q30L56**	**20Q30R56**	**20Q30LR56**	**20Q30H56**
		0.33	1046	1.44	**156HA456**	**23Q30L56**	**23Q30R56**	**23Q30LR56**	**23Q30H56**
		0.5	1605	1.41	**156HA456**	**26Q30L56**	**26Q30R56**	**26Q30LR56**	**26Q30H56**
		0.75	2408	1.33	**256HA414**	**30Q30L14**	**30Q30R14**	**30Q30LR14**	**30Q30H14**
		1	3211	1.66	**256HA414**	**35Q30L14**	**35Q30R14**	**35Q30LR14**	**35Q30H14**
		1.5	4816	1.11	**214HA414**	**35Q30L14**	**35Q30R14**	**35Q30LR14**	**35Q30H14**
125	14	0.25	836	1.19	**156HA556**	**20Q25L56**	**20Q25R56**	**20Q25LR56**	**20Q25H56**
		0.33	1104	1.40	**156HA556**	**23Q25L56**	**23Q25R56**	**23Q25LR56**	**23Q25H56**
		0.5	1715	1.35	**156HA556**	**26Q25L56**	**26Q25R56**	**26Q25LR56**	**26Q25H56**
		0.75	2572	1.28	**256HA514**	**30Q25L14**	**30Q25R14**	**30Q25LR14**	**30Q25H14**
		1	3430	1.57	**256HA514**	**35Q25L14**	**35Q25R14**	**35Q25LR14**	**35Q25H14**
		1.5	5145	1.46	**214HA514**	**40Q25L14**	**40Q25R14**	**40Q25LR14**	**40Q25H14**
150	11.67	0.25	990	1.52	**156HA556**	**23Q30L56**	**23Q30R56**	**23Q30LR56**	**23Q30H56**
		0.33	1307	1.15	**156HA556**	**23Q30L56**	**23Q30R56**	**23Q30LR56**	**23Q30H56**
		0.5	2007	1.13	**156HA556**	**26Q30L56**	**26Q30R56**	**26Q30LR56**	**26Q30H56**
		0.75	3010	1.06	**256HA514**	**30Q30L14**	**30Q30R14**	**30Q30LR14**	**30Q30H14**
		1	4013	1.33	**256HA514**	**35Q30L14**	**35Q30R14**	**35Q30LR14**	**35Q30H14**
		1.5	6020	1.25	**214HA514**	**40Q30L14**	**40Q30R14**	**40Q30LR14**	**40Q30H14**
160	10.94	0.25	976	1.55	**156HA456**	**23Q40L56**	**23Q40R56**	**23Q40LR56**	**23Q40H56**
		0.33	1288	1.17	**156HA456**	**23Q40L56**	**23Q40R56**	**23Q40LR56**	**23Q40H56**
		0.5	2006	1.13	**156HA456**	**26Q40L56**	**26Q40R56**	**26Q40LR56**	**26Q40H56**
		0.75	3009	1.18	**256HA414**	**30Q40L14**	**30Q40R14**	**30Q40LR14**	**30Q40H14**
		1	4013	1.33	**256HA414**	**35Q40L14**	**35Q40R14**	**35Q40LR14**	**35Q40H14**
		1.5	6019	1.25	**214HA414**	**40Q40L14**	**40Q40R14**	**40Q40LR14**	**40Q40H14**

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Quick Selections: Helical Attachment And TIGEAR-2 Assemblies (Continued)

Overall Ratio	Output RPM	Motor HP	O/P Torque	SF	HA Part Number	Tigear-2 Part Number Output Shaft Configuration			
						Solid Shaft Left	Solid Shaft Right	Solid Shaft Left/Right	Hollow Shaft
200	8.75	0.25	1220	1.24	**156HA556**	**23Q40L56**	**23Q40R56**	**23Q40LR56**	**23Q40H56**
		0.33	1655	1.37	**156HA556**	**26Q40L56**	**26Q40R56**	**26Q40LR56**	**26Q40H56**
		0.5	2508	1.41	**156HA556**	**30Q40L56**	**30Q40R56**	**30Q40LR56**	**30Q40H56**
		0.75	3762	1.42	**256HA514**	**35Q40L14**	**35Q40R14**	**35Q40LR14**	**35Q40H14**
		1	5016	1.06	**256HA514**	**35Q40L14**	**35Q40R14**	**35Q40LR14**	**35Q40H14**
240	7.29	0.25	1260	1.11	**156HA456**	**23Q60L56**	**23Q60R56**	**23Q60LR56**	**23Q60H56**
		0.33	1718	1.21	**156HA456**	**26Q60L56**	**26Q60R56**	**26Q60LR56**	**26Q60H56**
		0.5	2603	1.09	**156HA456**	**30Q60L56**	**30Q60R56**	**30Q60LR56**	**30Q60H56**
		0.75	3904	1.22	**256HA414**	**35Q60L14**	**35Q60R14**	**35Q60LR14**	**35Q60H14**
		1	5206	1.28	**256HA414**	**40Q60L14**	**40Q60R14**	**40Q60LR14**	**40Q60H14**
250	7	0.25	1439	1.53	**156HA556**	**26Q50L56**	**26Q50R56**	**26Q50LR56**	**26Q50H56**
		0.33	1900	1.16	**156HA556**	**26Q50L56**	**26Q50R56**	**26Q50LR56**	**26Q50H56**
		0.5	2878	1.14	**156HA556**	**30Q50L56**	**30Q50R56**	**30Q50LR56**	**30Q50H56**
		0.75	4317	1.19	**256HA514**	**35Q50L14**	**35Q50R14**	**35Q50LR14**	**35Q50H14**
		1	5756	1.25	**256HA514**	**40Q50L14**	**40Q50R14**	**40Q50LR14**	**40Q50H14**
300	5.83	0.25	1627	1.28	**156HA556**	**26Q60L56**	**26Q60R56**	**26Q60LR56**	**26Q60H56**
		0.33	2147	1.32	**156HA556**	**30Q60L56**	**30Q60R56**	**30Q60LR56**	**30Q60H56**
		0.5	3254	1.46	**156HA556**	**35Q60L56**	**35Q60R56**	**35Q60LR56**	**35Q60H56**
		0.75	4881	1.36	**256HA514**	**40Q60L14**	**40Q60R14**	**40Q60LR14**	**40Q60H14**

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HELICAL ATTACHMENT

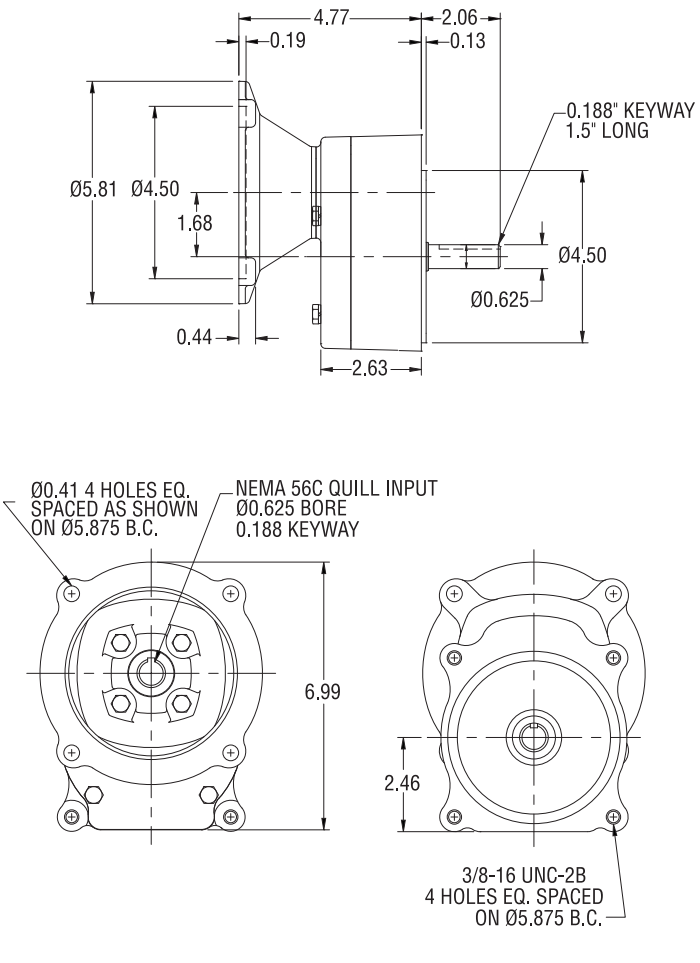
TIGEAR-2 Helical Attachment

Size 1 & 2 Helical Single Reduction

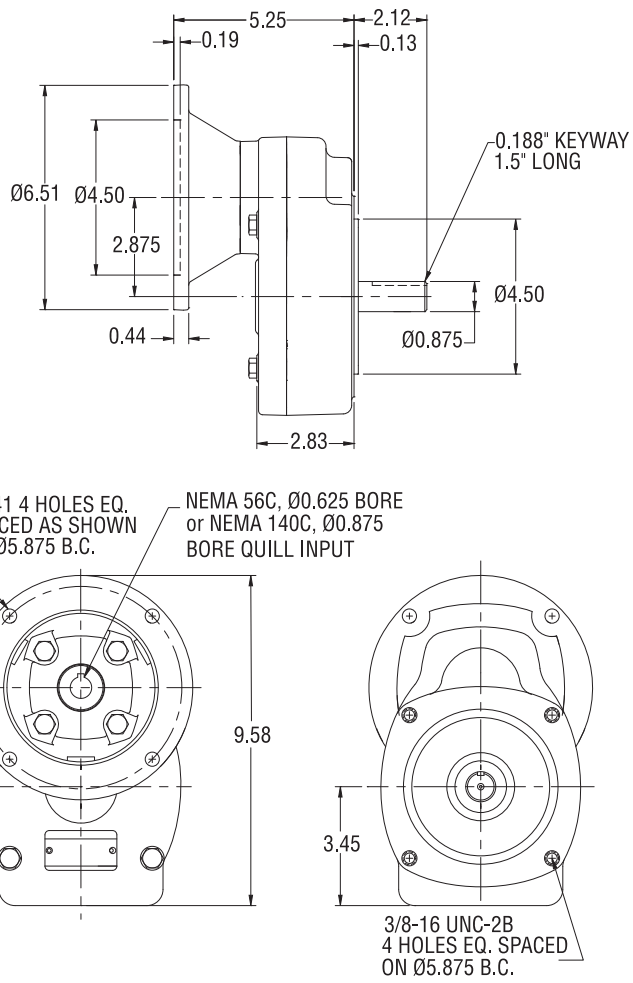
Size	Ratio	Part Number	Input RPM	Output RPM	Input HP	Output HP	Output Torque (lb. in.)	Output OHL (lbs.)	Input Style	Output Style
1	4	**156HA456**	1750	438	0.5	0.49	71	224	56C	56C
1	5	**156HA556**	1750	350	0.5	0.49	88	247	56C	56C
2	4	**256HA414**	1750	438	1.5	1.47	212	445	56C	140C
2	5	**256HA514**	1750	350	1.5	1.47	265	360	56C	140C
2	4	**214HA414**	1750	438	1.5	1.47	212	445	140C	140C
2	5	**214HA514**	1750	350	1.5	1.47	265	360	140C	140C

Note: For Helical attachment, DODGE recommends the use of TEFC motors. These units are intended for horizontal mount only in the position shown below. Contact DODGE for any other mounting position.

SIZE 1



SIZE 2



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TIGEAR-2
Motor Adapter Kit

TIGEAR-2 motor adapter kits are available to convert a separate shaft input reducer to a 3-piece coupled input reducer. Kits listed at right include the motor adapter housing, 3-piece coupling and all required mounting hardware.

TIGEAR-2 motor adapter kits cannot be used with the old Adaptable or Separate series TIGEAR reducers.

Reducer Size	Motor Frame				
	56C	140TC	180TC	210TC	250TC
13	1315MTR56	1315MTR14	N/A	N/A	N/A
15	1315MTR56	1315MTR14	N/A	N/A	N/A
17	1720MTR56	1720MTR14	N/A	N/A	N/A
20	1720MTR56	1720MTR14	N/A	N/A	N/A
23	2330MTR56	2330MTR14	2330MTR18	N/A	N/A
26	2330MTR56	2330MTR14	2330MTR18	N/A	N/A
30	2330MTR56	2330MTR14	2330MTR18	N/A	N/A
35	35MTR56	35MTR14	35MTR18	35MTR21	N/A
40	N/A	4047MTR14	4047MTR18	4047MTR21	4047MTR25
47	N/A	4047MTR14	4047MTR18	4047MTR21	4047MTR25



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ACCESSORIES

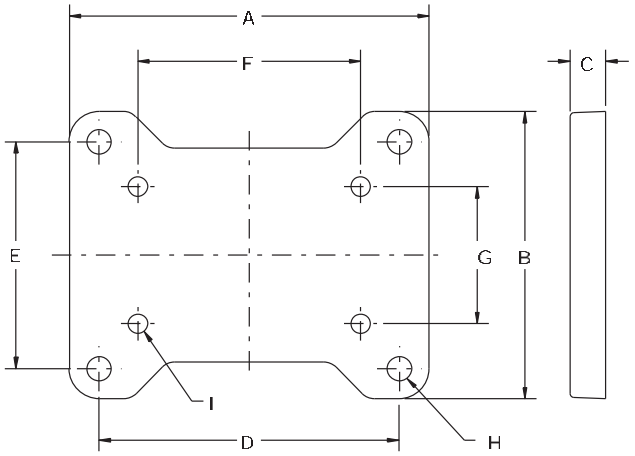
TIGEAR-2
Bolt-On Base Kit

All TIGEAR-2 reducers include top and bottom drilled and tapped mounting holes but do not include base. Each kit below includes the base and required mounting hardware.

Reducer Size	Standard Kit Number	Standard Spacer Kit Number (1)	E-Z KLEEN Kit Number	Stainless Steel ULTRA KLEEN Kit
13	**13BASE**	**Not Required**	**13ZBASE**	**N/A**
15	**15BASE**	**Not Required**	**15ZBASE**	**N/A**
17	**17BASE**	**Not Required**	**17ZBASE**	**17SBASE**
20	**20BASE**	**Not Required**	**20ZBASE**	**N/A**
21	**N/A**	**N/A**	**N/A**	**21SBASE**
23 (1)	**23BASE**	**2326SPACER**	**23ZBASE**	**23SBASE**
26 (1)	**26BASE**	**2326SPACER**	**26ZBASE**	**26SBASE**
30 (1)	**30BASE**	**3035SPACER**	**30ZBASE**	**30SBASE**
35 (1)	**35BASE**	**3035SPACER**	**35ZBASE**	**35SBASE**
40 (1)	**40BASE**	**40SPACER**	**N/A**	**N/A**
47	**47BASE**	**Not Required**	**N/A**	**N/A**

NOTE: (1) If base is to be mounted on top of reducer, space kit listed above will also be required to allow clearance of base and motor adapter housing. Currently not available with E-Z KLEEN coating or stainless steel material.





Size	A	B	C	D	E	F	G	H	I
13	5.25	4.19	0.52	4.38	3.31	3.25	2.00	0.34	0.28
15	6.13	5.19	0.61	5.25	4.31	3.50	2.25	0.44	0.28
17	6.94	5.56	0.74 (3)	5.88 (3)	4.50	4.19	2.75	0.41	0.34
20	7.26	5.66	0.74 (3)	6.20 (3)	4.60	5.00	2.88	0.50	0.41
21	7.70	6.00	0.70	6.38	4.69	5.00	2.88	0.47	0.41
23	8.32	6.14	0.75	7.06	4.88	5.00	2.88	0.47	0.41
26	9.25	6.50	0.79/0.72 (2)	8.00	5.25	6.38	3.38	0.56	0.41
30	9.68	7.12	0.75	8.44	5.88	7.00	4.00	0.53	0.49
35	10.75	7.38	1.00	9.50	6.13	7.50	4.00	0.58	0.47
40	12.62	9.13	1.00	11.12	7.63	8.50	5.00	0.66	0.66
47	16.00	10.26	1.13	14.12	8.38	11.00	5.81	0.78	0.66

NOTE: (2) C dimension for 26BASE and 26ZBASE is 0.79. C dimension for 26SBASE is 0.72

NOTE: (3) Sizes 17 and 20 have slotted mounting holes. Size 17 slotted horizontally +/-0.06. Size 20 slotted 30 degree from horizontal +/-0.12 (see photo above left).

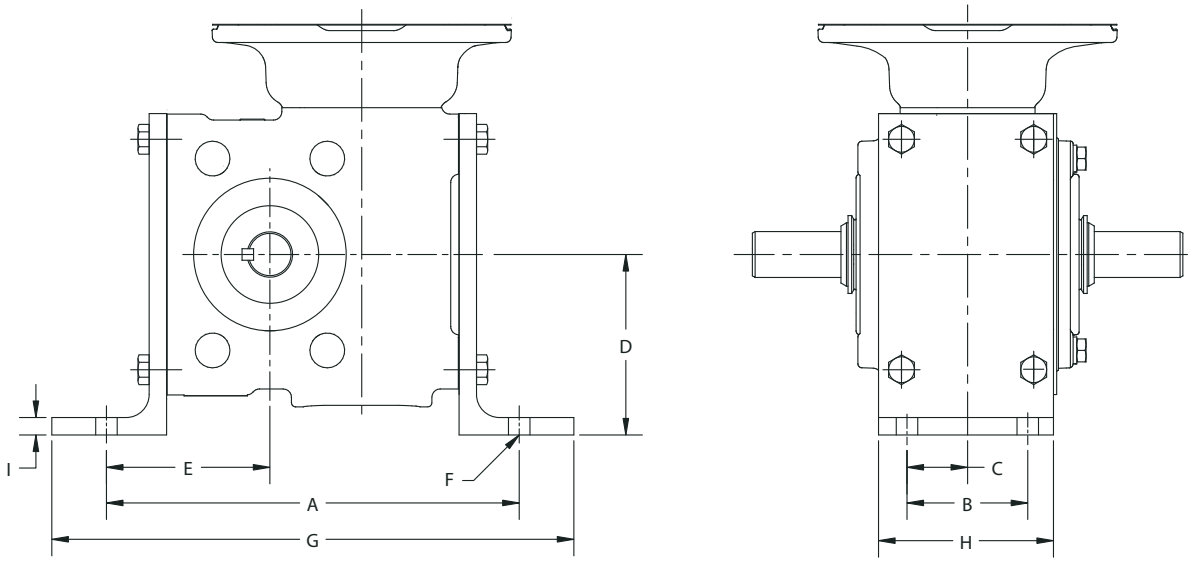
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TIGEAR-2
J-Mount Base Kits

J-mount kits allow the reducer to be “floor” mounted with the motor in a vertical (up) position. In this configuration the output shaft(s) is horizontal. Each kit includes the brackets and required mounting hardware.





Reducer Size	Standard Kit Number	E-Z KLEEN Kit Number	A	B	C	D	E	F	G	H	I
13	**13JMOUNT**	**13ZJMOUNT**	6.88	2.00	1.00	2.95	2.71	0.34	7.76	2.88	0.25
15	**15JMOUNT**	**15ZJMOUNT**	7.98	2.50	1.25	3.50	3.12	0.41	9.48	3.38	0.31
17	**17JMOUNT**	**17ZJMOUNT**	8.35	2.50	1.25	3.50	3.24	0.41	9.85	3.56	0.38
20	**20JMOUNT**	**20ZJMOUNT**	8.97	2.63	1.32	3.94	3.55	0.47	11.35	3.75	0.38
23	**23JMOUNT**	**23ZJMOUNT**	9.88	2.88	1.44	4.06	3.75	0.50	10.88	4.12	0.38
26	**26JMOUNT**	**26ZJMOUNT**	11.48	3.13	1.57	4.75	4.43	0.53	13.36	4.25	0.38
30	**30JMOUNT**	**30ZJMOUNT**	11.88	4.00	2.00	5.62	4.75	0.56	13.02	5.06	0.38
35	**35JMOUNT**	**35ZJMOUNT**	13.50	4.00	2.00	5.50	5.45	0.56	15.57	5.50	0.38
40	**40JMOUNT**	**N/A**	14.88	5.00	2.50	6.50	6.12	0.69	16.26	6.38	0.50
47	**47JMOUNT**	**N/A**	17.51	5.81	2.91	7.75	7.19	0.69	18.89	7.19	0.50

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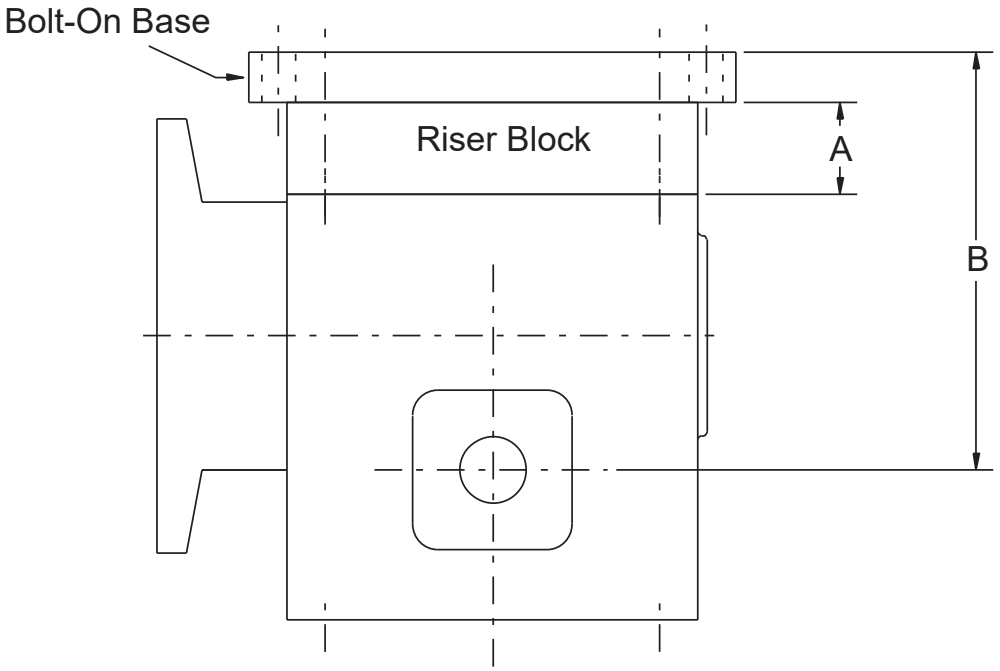
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ACCESSORIES

TIGEAR-2
Riser Block Kits

Riser blocks allow clearance over the motor eliminating the need to invert the reducer (worn under) when the application calls for a “ceiling” mount such as under a conveyor or other equipment. Riser blocks permit the reducer to be mounted in the most desirable position keeping the high speed shaft seal above the oil level. Experience shows that this position results in increased seal life and durability. Each kit includes the riser block and required mounting hardware.

Reducer Size	Standard Kit Number	E-Z KLEEN Kit Number	A	B
13	**13RISER**	**13ZRISER**	1.66	5.36
15	**15RISER**	**15ZRISER**	1.38	5.61
17	**17RISER**	**17ZRISER**	1.38	5.99
20	**20RISER**	**20ZRISER**	1.38	6.24
23	**23RISER**	**23ZRISER**	2.25	7.88
26	**26RISER**	**26ZRISER**	1.91	8.21
30	**30RISER**	**30ZRISER**	2.25	8.63
35	**35RISER**	**35ZRISER**	1.69	9.27
40	**40RISER**	**N/A**	2.75	10.83
47	**47RISER**	**N/A**	2.00	11.57



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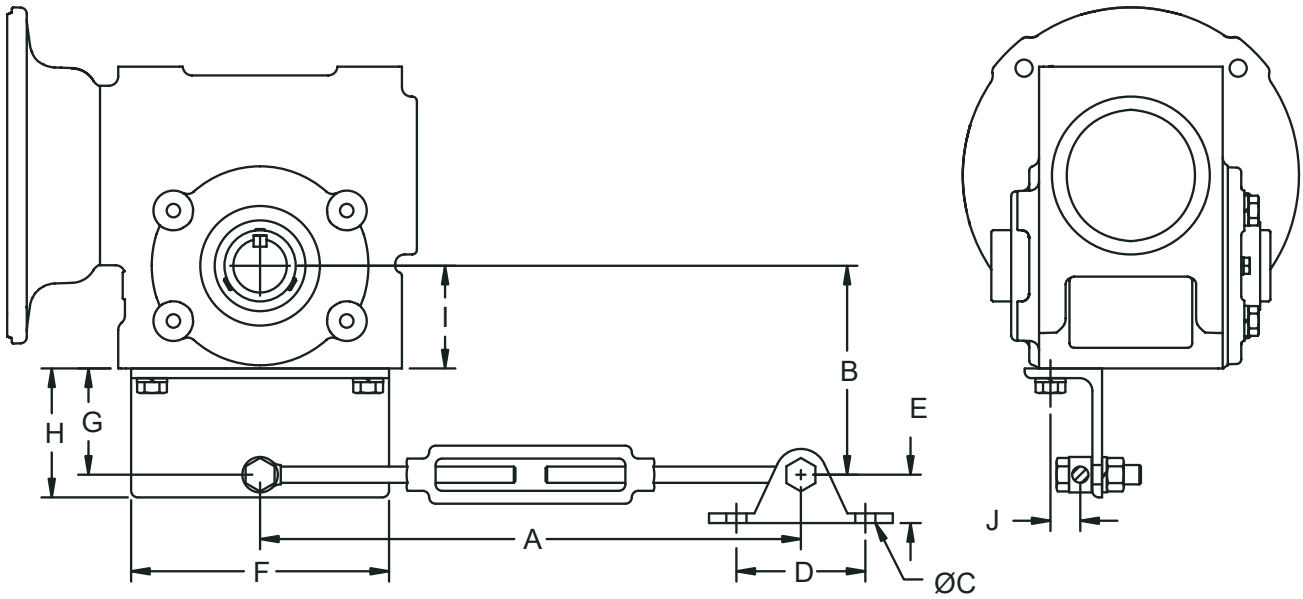
TIGEAR-2
Tie Rod Kit

Tie Rod Kits are available for restraining Hollow Shaft Reducers. Each kit includes reducer mounting bracket, tie rods, turnbuckle, fulcrum and mounting hardware.

Reducer Case Size	Tie Rod Kit
13	13TIEROD
15	15TIEROD
17	17TIEROD
20	2023TIEROD
23	

Reducer Case Size	Tie Rod Kit
26	26TIEROD
30	30TIEROD
35	35TIEROD
40	40TIEROD
47	47TIEROD





Size	A Min - Max	B	C	D	E	F	G	H	I	J
13	12.00 - 18.00	2.52	0.41	1.75	0.75	4.00	0.81	1.25	1.71	0.37
15	12.00 - 18.00	2.68	0.41	1.75	0.75	4.20	0.81	1.25	1.87	0.49
17	12.00 - 18.00	4.05	0.41	1.75	0.75	5.00	2.06	2.50	1.99	0.59
20	14.7 - 20.7	3.55	0.39	2.50	0.94	5.88	1.31	1.75	2.24	0.53
23	14.7 - 20.7	3.81	0.39	2.50	0.94	5.88	1.31	1.75	2.50	0.53
26	14.7 - 20.7	4.18	0.39	2.50	0.94	7.24	1.31	1.75	2.87	0.75
30	14.7 - 20.7	5.75	0.39	2.50	0.94	8.00	2.50	3.00	3.25	0.72
35	14.7 - 20.7	6.49	0.39	2.50	0.94	8.50	2.50	3.00	3.99	0.84
40	19.5 - 25.5	7.69	0.45	3.00	1.06	9.88	3.25	4.00	4.44	1.09
47	19.5 - 25.5	9.56	0.45	3.00	1.06	12.38	4.25	5.00	5.31	1.03

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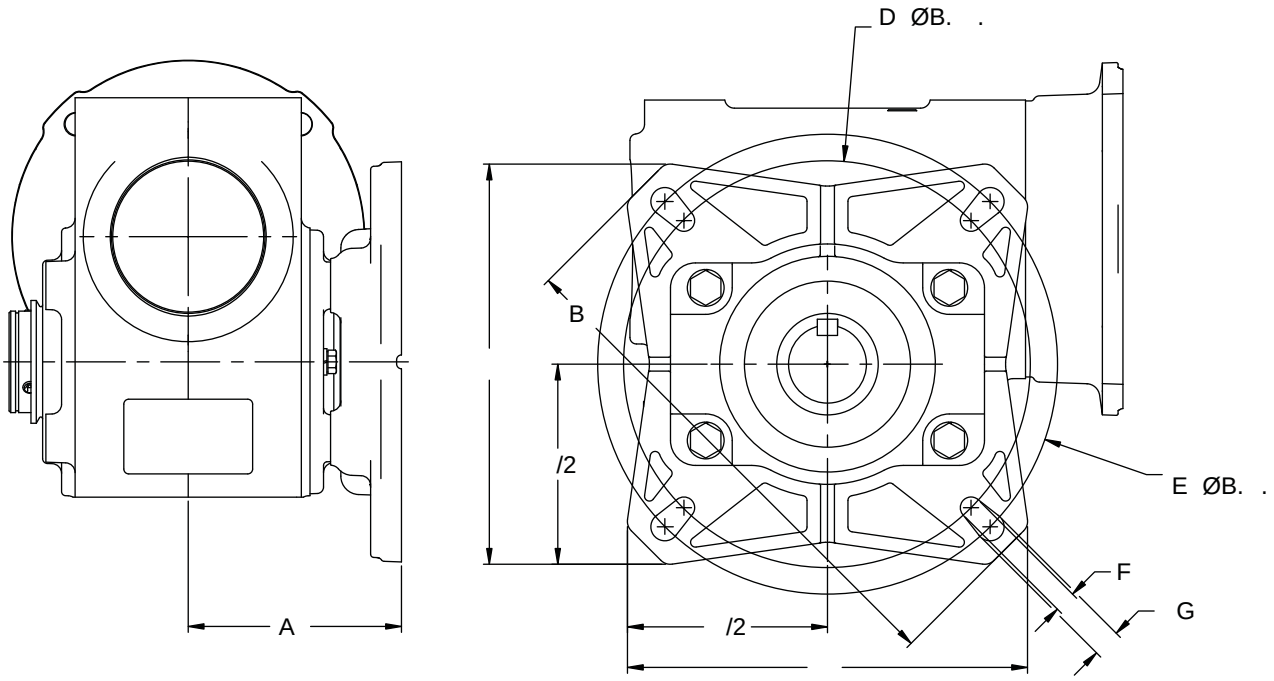
ACCESSORIES

TIGEAR-2 Tapered Bushing Dimensions

Cast Output Flange Kit

The Output Cast Flange Kit is used to munt Hollow Shaft reducers to a flat surface perpendicular to the output shaft. The flange may be substituted for a tie rod kit to restrain reactions. Each kit consists of a flange and required mounting hardware. The Output Flange Kit can be mounted to eigher side of a hollow output reducer. When used with GRIP TIGHT bushings, a single bushing with key must be used and located on the side opposite of the cast output flange.

NOTE: Stainless steel flanges only have holes drilled for large bolt circle.



Case Size	Standard Kit Number	E-Z KLEEN Kit Number	Stainless Steel ULTRA KLEEN Kit	A	B	C	D (ØB.C.)	E (ØB.C.)	F	G
13, 15	N/A	N/A	N/A	---	---	---	---	---	---	---
17	17FLANGE	17ZFLANGE	17SFLANGE	3.58	8.00	6.24	5.88	7.00	0.34	0.41
20	20FLANGE	20ZFLANGE	N/A	3.68	8.00	6.24	5.88	7.00	0.34	0.41
21	N/A	N/A	N/A	---	---	---	---	---	---	---
23	2326FLANGE	2326ZFLANGE	23SFLANGE	3.94	9.60	7.52	7.50	8.47	0.41	0.51
26	2326FLANGE	2326ZFLANGE	N/A	3.94/4.03*	9.60	7.52	7.580	8.47	0.41	0.51
30	3035FLANGE	3035ZFLANGE	30SFLANGE	5.81	11.60	9.00	9.00	10.43	0.56	0.56
35	3035FLANGE	3035ZFLANGE	N/A	5.81/5.71*	11.60	9.00	9.00	10.43	0.56	0.56
40, 47	N/A	N/A	N/A	---	---	---	---	---	---	---

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ACCESSORIES

TIGEAR-2 Hollow Reducer Bushing Kit

Bushing kits allow hollow output reducers to be mounted to various diameter shafting. Each kit includes bushing and key.



GRIP TIGHT Tapered Adapter Bushing Kit



Straight Bore Bushing Kit

Reducer Size	Max Bore	Bore Size	Standard		Stainless Steel	
			GRIP TIGHT*	Straight Bore	GRIP TIGHT*	Straight Bore
13	3/4"	n/a	**n/a**	**n/a**	**n/a**	**n/a**
15	3/4"	n/a	**n/a**	**n/a**	**n/a**	**n/a**
17	1"	n/a	**n/a**	**n/a**	**n/a**	**n/a**
20	1-1/4"	1"	**n/a**	**20BUSH100**		**20SBUSH100**
Select standard bore reducer model number from pages G4-36 to G4-41 or washdown reducers from pages G4-80-G4-107.						
20 Alt.	1-3/16"	n/a	**n/a**			**n/a**
Select alternative max bore reducer model number from page G4-118 or washdown reducers from pages G4-80-G4-107.						
23	1-7/16"	1"	**n/a**	**2326BUSH100**		**2326SBUSH100**
		1-3/16"	**n/a**	**2326BUSH103**		**2326SBUSH103**
		1-1/4"	**n/a**	**2326BUSH104**		**2326SBUSH104**
Select standard bore reducer model number from pages 42 to 47 or washdown reducers from pages G4-80-G4-107.						
23 Alt	1-1/2"	1"	**23TBUSH100**	**n/a**	**23STBUSH100**	**n/a**
		1-3/16"	**23TBUSH103**	**n/a**	**23STBUSH103**	**n/a**
Select alternative max bore reducer model number from page G4-118 or washdown reducers from pages G4-80-G4-107.						
26	1-7/16"	1"	**n/a**	**2326BUSH100**		**2326SBUSH100**
		1-3/16"	**n/a**	**2326BUSH103**		**2326SBUSH103**
		1-1/4"	**n/a**	**2326BUSH104**		**2326SBUSH104**
Select standard bore reducer model number from pages G4-50 to G4-55 or washdown reducers from pages G4-80-G4-107.						
26 Alt	1-11/16"	1"	**26TBUSH100**	**n/a**	**26STBUSH100**	**n/a**
		1-3/16"	**26TBUSH103**	**n/a**	**26STBUSH103**	**n/a**
		1-1/4"	**26TBUSH104**	**n/a**	**26STBUSH104**	**n/a**
		1-3/8"	**26TBUSH106**	**n/a**	**26STBUSH106**	**n/a**
Select alternative max bore reducer model number from page G4-118 or washdown reducers from pages G4-80-G4-107.						
30	1-15/16"	1-3/8"	**3035TBUSH106**	**n/a**	**3035STBUSH106**	**n/a**
		1-7/16"	**3035TBUSH107**	**n/a**	**3035STBUSH107**	**n/a**
		1-1/2"	**3035TBUSH108**	**n/a**	**3035STBUSH108**	**n/a**
		1-11/16"	**n/a**	**3035BUSH111**		**3035SBUSH111**
Select standard bore reducer model number from pages G4-56 to G4-61 or washdown reducer from pages G4-80-G4-85.						
35	1-15/16"	1-3/8"	**3035TBUSH106**	**n/a**	**3035STBUSH106**	**n/a**
		1-7/16"	**3035TBUSH107**	**n/a**	**3035STBUSH107**	**n/a**
		1-1/2"	**3035TBUSH108**	**n/a**	**3035STBUSH108**	**n/a**
		1-11/16"		**3035BUSH111**		**3035SBUSH111**
Select standard bore reducer model number from pages G4-62 to G4-67 or washdown reducers from pages G4-80-G4-107.						
40	2-3/16"	1-1/2"	**40TBUSH108**	**n/a**	**n/a**	**n/a**
		1-11/16"	**40TBUSH111**	**n/a**	**n/a**	**n/a**
Select standard bore reducer model number from pages G4-68 to G4-73 or washdown reducers from pages G4-80-G4-107.						
47	2-15/16"	1-15/16"	**47TBUSH115**	**n/a**	**n/a**	**n/a**
		2-3/16"	**47TBUSH203**	**n/a**	**n/a**	**n/a**
Select standard bore reducer model number from pages G4-74 to G4-79 or washdown reducers from pages G4-80-G4-107.						

Required shaft diameter tolerance for GRIP TIGHT bushing: +.000", -.003"

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ACCESSORIES

TIGEAR-2 Hollow Reducer With Alternative Maximum Bore

Size 20 Hollow Reducer Part Numbers with Alternative Maximum Bore (1-3/16")

Input	Motor Frame	Ratio									
		5	7.5	10	15	20	25	30	40	50	60
Quill	56C	20Q05HA56	20Q07HA56	20Q10HA56	20Q15HA56	20Q20HA56	20Q25HA56	20Q30HA56	20Q40HA56	20Q50HA56	20Q60HA56
	140TC	20Q05HA14	20Q07HA14	20Q10HA14	20Q15HA14	20Q20HA14	20Q25HA14				
Separate	Select Motor Adapter Kit as Needed	20S05HA	20S07HA	20S10HA	20S15HA	20S20HA	20S25HA	20S30HA	20S40HA	20S50HA	20S60HA
Coupled Assy	56C	20A05HA56	20A07HA56	20A10HA56	20A15HA56	20A20HA56	20A25HA56	20A30HA56	20A40HA56	20A50HA56	20A60HA56
	140TC	20A05HA14	20A07HA14	20A10HA14	20A15HA14	20A20HA14	20A25HA14				

Note: Tapered bushing kits are not available for size 20

Size 23 Hollow Reducer Part Numbers with Alternative Maximum Bore (1-1/2")

Input	Motor Frame	Ratio									
		5	7.5	10	15	20	25	30	40	50	60
Quill	56C	23Q05HA56	23Q07HA56	23Q10HA56	23Q15HA56	23Q20HA56	23Q25HA56	23Q30HA56	23Q40HA56	23Q50HA56	23Q60HA56
	140TC	23Q05HA14	23Q07HA14	23Q10HA14	23Q15HA14	23Q20HA14	23Q25HA14	23Q30HA14	23Q40HA14		
	180TC	23Q05HA18	23Q07HA18	23Q10HA18							
Separate	Select Motor Adapter Kit as Needed	23S05HA	23S07HA	23S10HA	23S15HA	23S20HA	23S25HA	23S30HA	23S40HA	23S50HA	23S60HA
Coupled Assy	56C	23A05HA56	23A07HA56	23A10HA56	23A15HA56	23A20HA56	23A25HA56	23A30HA56	23A40HA56	23A50HA56	23A60HA56
	140TC	23A05HA14	23A07HA14	23A10HA14	23A15HA14	23A20HA14	23A25HA14	23A30HA14	23A40HA14		
	180TC	23A05HA18	23A07HA18	23A10HA18							

Note: These reducers are required when using tapered bushing kits for size 23

Size 26 Hollow Reducer Part Numbers with Alternative Maximum Bore (1-11/16")

Input	Motor Frame	Ratio									
		5	7.5	10	15	20	25	30	40	50	60
Quill	56C		26Q07HA56	26Q10HA56	26Q15HA56	26Q20HA56	26Q25HA56	26Q30HA56	26Q40HA56	26Q50HA56	26Q60HA56
	140TC	26Q05HA14	26Q07HA14	26Q10HA14	26Q15HA14	26Q20HA14	26Q25HA14	26Q30HA14	26Q40HA14	26Q50HA14	26Q60HA14
	180TC	26Q05HA18	26Q07HA18	26Q10HA18	26Q15HA18						
Separate	Select Motor Adapter Kit as Needed	26S05HA	26S07HA	26S10HA	26S15HA	26S20HA	26S25HA	26S30HA	26S40HA	26S50HA	26S60HA
Coupled Assy	56C		26A07HA56	26A10HA56	26A15HA56	26A20HA56	26A25HA56	26A30HA56	26A40HA56	26A50HA56	26A60HA56
	140TC	26A05HA14	26A07HA14	26A10HA14	26A15HA14	26A20HA14	26A25HA14	26A30HA14	26A40HA14	26A50HA14	26A60HA14
	180TC	26A05HA18	26A07HA18	26A10HA18	26A15HA18						

Note: These reducers are required when using tapered bushing kits for size 26

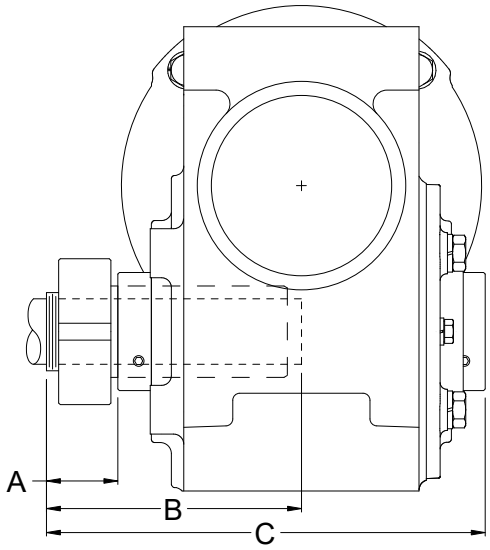
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TIGEAR-2 Tapered Bushing Dimensions

Single Bushing With Key

Bushing Located On Side Of Reducer Closest To Driven Device

This is the Preferred mounting method for single bushing applications.



Reducer Size	Driven Shaft Diameter	A Distance From End Of Bushing To End Of Hollow Shaft	B Distance From End Of Bushing To End Of Driven Shaft	C Distance From End Of Bushing To Opposite End Of Hollow Shaft	Keyway Width	Minimum Keyway Length From End Of Driven Shaft
23	1.000	1.25	4.37	7.87	.25	3.12
	1.1875	1.25	4.37	7.87	.25	3.12
26	1.000	1.38	4.50	8.00	.25	3.12
	1.1875	1.38	4.50	8.00	.25	3.12
	1.250	1.38	4.50	8.00	.25	3.12
	1.375	1.38	4.50	8.00	.3125	3.12
30	1.375	1.44	5.12	9.20	.3125	3.68
	1.4375	1.44	5.12	9.20	.375	3.68
	1.500	1.44	5.12	9.20	.375	3.68
35*	1.375	1.44	5.12	10.18	.3125	3.68
	1.4375	1.44	5.12	10.18	.375	3.68
	1.500	1.44	5.12	10.18	.375	3.68
40*	1.500	1.69	6.24	11.51	.375	4.55
	1.6875	1.69	6.24	11.51	.375	4.55
47*	1.9375	2.13	7.44	14.01	.500	5.31
	2.1875	2.13	7.44	14.01	.500	5.31

* It is recommended that these size reducers be used with bushings on both sides of the reducer

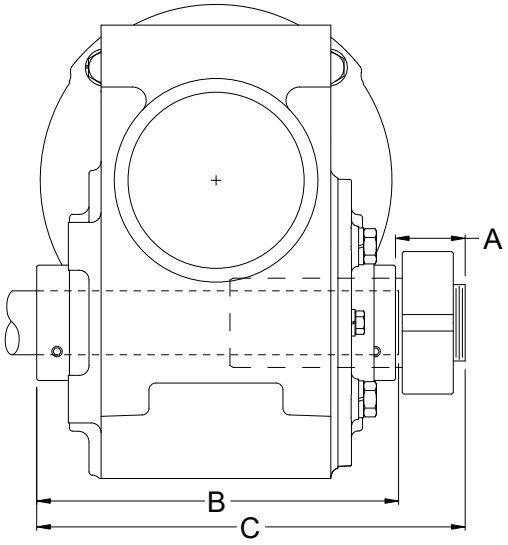
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ACCESSORIES

TIGEAR-2 Tapered Bushing Dimensions

Single Bushing With Key

Bushing Located On Opposite Side of Reducer



Reducer Size	Driven Shaft Diameter	A Distance From End Of Hollow Shaft To End Of Bushing	B Distance From End Of Hollow Shaft To End Of Driven Shaft	C Distance From Hollow Shaft To End Of Bushing	Keyway Width	Minimum Keyway Length From End Of Driven Shaft
23	1.000	1.25	6.75	7.87	.25	1.75
	1.1875	1.25	6.75	7.87	.25	2.00
26	1.000	1.38	6.75	8.00	.25	1.75
	1.1875	1.38	6.75	8.00	.25	2.00
	1.250	1.38	6.75	8.00	.25	2.13
	1.375	1.38	6.75	8.00	.3125	2.44
30	1.375	1.44	7.89	9.20	.3125	2.44
	1.4375	1.44	7.89	9.20	.375	2.50
	1.500	1.44	7.89	9.20	.375	2.63
35*	1.375	1.44	8.87	10.18	.3125	2.44
	1.4375	1.44	8.87	10.18	.375	2.50
	1.500	1.44	8.87	10.18	.375	2.63
40*	1.500	1.69	9.95	11.51	.375	2.63
	1.6875	1.69	9.95	11.51	.375	2.88
47*	1.9375	2.13	12.01	14.01	.500	3.38
	2.1875	2.13	12.01	14.01	.500	3.75

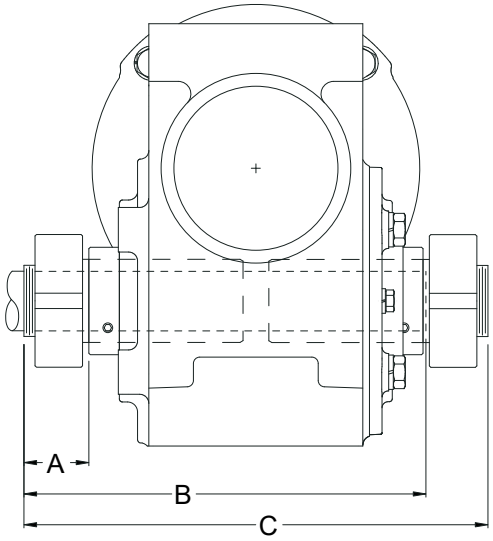
* It is recommended that these size reducers be used with bushings on both sides of the reducer

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TIGEAR-2 Tapered Bushing Dimensions

Double Bushing With Key

This is the Preferred mounting method for double bushing applications.



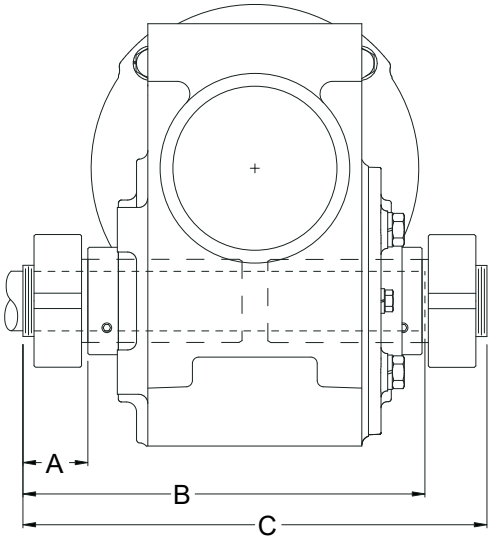
Reducer Size	Driven Shaft Diameter	A Distance From End Of Bushing To End Of Hollow Shaft	B Distance From End Of Bushing To End Of Driven Shaft	C Total Width Of Bushings	Keyway Width	Minimum Keyway Length From End Of Driven Shaft
23	1.000	1.25	8.00	9.13	.25	6.75
	1.1875	1.25	8.00	9.13	.25	6.75
26	1.000	1.38	8.13	9.39	.25	6.75
	1.1875	1.38	8.13	9.39	.25	6.75
	1.250	1.38	8.13	9.39	.25	6.75
	1.375	1.38	8.13	9.39	.3125	6.75
30	1.375	1.44	9.33	10.65	.3125	7.89
	1.4375	1.44	9.33	10.65	.375	7.89
	1.500	1.44	9.33	10.65	.375	7.89
35	1.375	1.44	10.31	11.63	.3125	8.87
	1.4375	1.44	10.31	11.63	.375	8.87
	1.500	1.44	10.31	11.63	.375	8.87
40	1.500	1.69	11.64	13.21	.375	9.95
	1.6875	1.69	11.64	13.21	.375	9.95
47	1.9375	2.13	14.14	16.15	.500	12.01
	2.1875	2.13	14.14	16.15	.500	12.01

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ACCESSORIES

TIGEAR-2 Tapered Bushing Dimensions Double Bushing Without Key

Do not use for brake motor applications or other critical applications.



Reducer Size	A Distance From End Of Bushing To End Of Hollow Shaft	B Distance From End Of Bushing To End Of Driven Shaft	C Total Width Of Bushings
23	1.25	8.00	9.13
26	1.38	8.13	9.39
30	1.44	9.33	10.65
35	1.44	10.31	11.63
40	1.69	11.64	13.21
47	2.13	14.14	16.15

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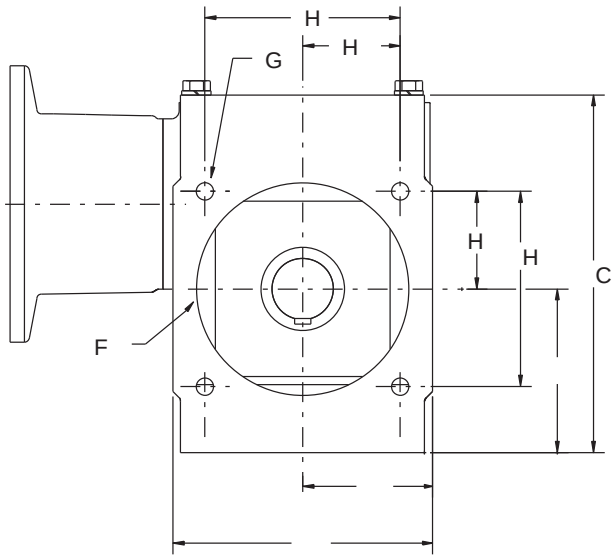
ACCESSORIES

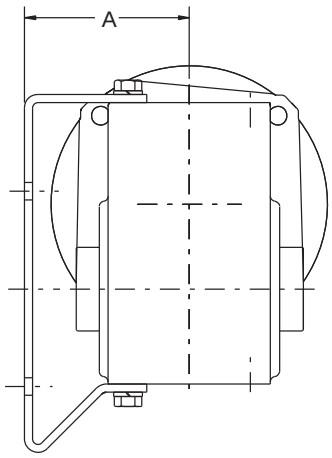
TIGEAR-2

Output Bracket Kit

The Output Bracket Kit is used to mount the reducer to a flat surface perpendicular to the output shaft. On Hollow Shaft units, an output bracket may be substituted for a tie rod kit to restrain reactions. Each kit consists of a bracket and required mounting hardware. The Output bracket kit can be mounted to either side of the reducer.







Case Size	Standard Kit No.	E-Z KLEEN Kit No.	A	B	C	D	E	F	G	H
13	**13BRACKET**	**13ZBRACKET**	3.00	3.08	6.69	2.33	4.66	3.81	0.34	3.54
15	**15BRACKET**	**15ZBRACKET**	3.21	2.81	6.86	2.33	4.66	3.81	0.34	3.54
17	**17BRACKET**	**17ZBRACKET**	3.50	3.40	7.71	2.77	5.54	4.44	0.34	4.16
20	**20BRACKET**	**20ZBRACKET**	3.88	3.85	8.42	3.05	6.10	5.00	0.41	4.60
23	**23BRACKET**	**23ZBRACKET**	3.72	3.92	9.05	3.25	6.50	5.00	0.41	5.30
26	**26BRACKET**	**26ZBRACKET**	4.63	4.20	10.20	3.80	7.60	6.56	0.41	5.66
30	**30BRACKET**	**30ZBRACKET**	4.50	4.12	10.27	4.39	8.14	7.00	0.41	6.36
35	**35BRACKET**	**35ZBRACKET**	5.25	5.51	12.35	4.80	9.60	8.56	0.41	7.07
40	**N/A**	**N/A**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
47	**N/A**	**N/A**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

FEATURES/BENEFITS PAGE G4-2	SPECIFICATION PAGE G4-8	NOMENCLATURE PAGE G4-9	RATINGS/DIMENSIONS PAGE G4-16

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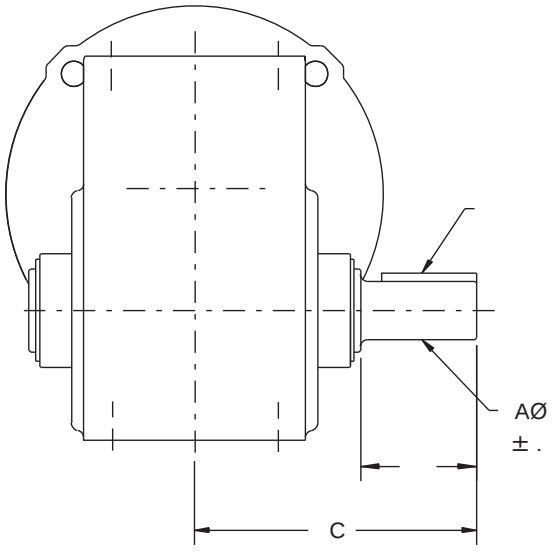
ACCESSORIES

TIGEAR-2

Plug-In Output Shaft Kit

A Plug-In Output Shaft Kit permits the conversion of a Hollow output to a Solid Output reducer. Customers can easily change output shaft locations from L to R with this accessory. These kits can only be used with standard max bore reducers. They cannot be used with alternative max bore reducers. if other shaft requirements are necessary, consult DODGE. kit includes shaft, snap rings and keys.





Case Size	Kit. No.	A +/-.0005
13	13PLUGIN	0.6245
15	15PLUGIN	0.7495
17	17PLUGIN	0.8745
20	20PLUGIN	0.9995
23	23PLUGIN	1.1245
26	26PLUGIN	1.1245
30	30PLUGIN	1.3745
35	35PLUGIN	1.4995
40	40PLUGIN	1.8745
47	47PLUGIN	1.9995

Case Size	B	C	Key
13	1.82	4.47	3/16 SQ x 1.50
15	1.82	4.47	3/16 SQ x 1.50
17	1.81	4.81	3/16 SQ x 1.50
20	2.11	5.31	1/4 SQ x 1.75
23	2.36	6.05	1/4 SQ x 1.98
26	2.36	6.05	1/4 SQ x 1.98
30	3.43	7.76	5/16 SQ x 3.00
35	3.34	8.17	3/8 SQ x 2.93
40	4.10	9.46	1/2 SQ x 3.53
47	3.93	10.46	1/2 SQ x 3.53

NOTE: Solid shaft gearboxes are recommended whenever overhung load is present. Plug-in shafts can be used for overhung load applications if testing has been done to verify the plug-in shaft performs to expectations. Special length and diameter solid shafts are available through the Tigear-2 Mod Express program shown on page G4-129.

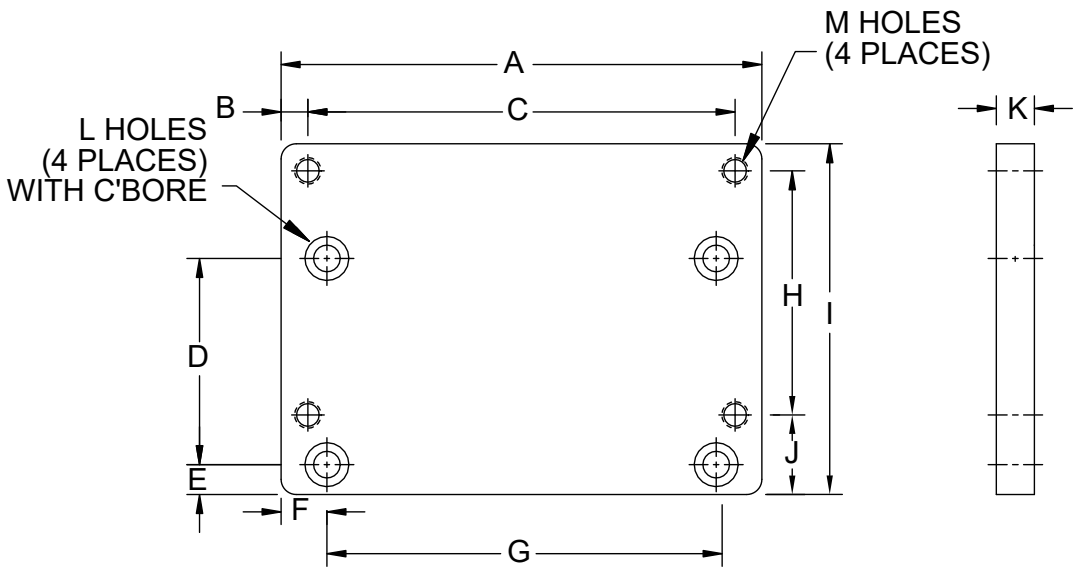
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TIGEAR-2

Transition Base Kits For Downsizing

TIGEAR-2 transition base kits allow a smaller reducer to “drop-in” to the bolt hole pattern of the next size larger reducer. This scenario is possible in many replacement situations because of the increases in the TIGEAR-2 output torque capacity.

The base will locate the output shaft in the same position as the one from the larger reducer being replaced.



Down-Sizing

From	To	Kit Number	A	B	C	D	E	F	G	H	I	J	K	L Holes	M Holes
26	23	**23DOWN26**	7.13	0.38	6.38	2.88	0.69	1.07	5.00	3.38	4.69	0.93	0.63	7/16 DRILL THRU	3/8-16 TAP THRU
30	26	**26DOWN30**	7.88	0.44	7.00	3.38	0.49	0.75	6.38	4.00	5.75	1.31	0.63	7/16 DRILL THRU	716-14 TAP THRU
35	30	**30DOWN35**	8.38	0.44	7.50	4.00	0.62	0.69	7.00	4.00	5.82	1.38	1.00	1/2 DRILL THRU	716-14 TAP THRU

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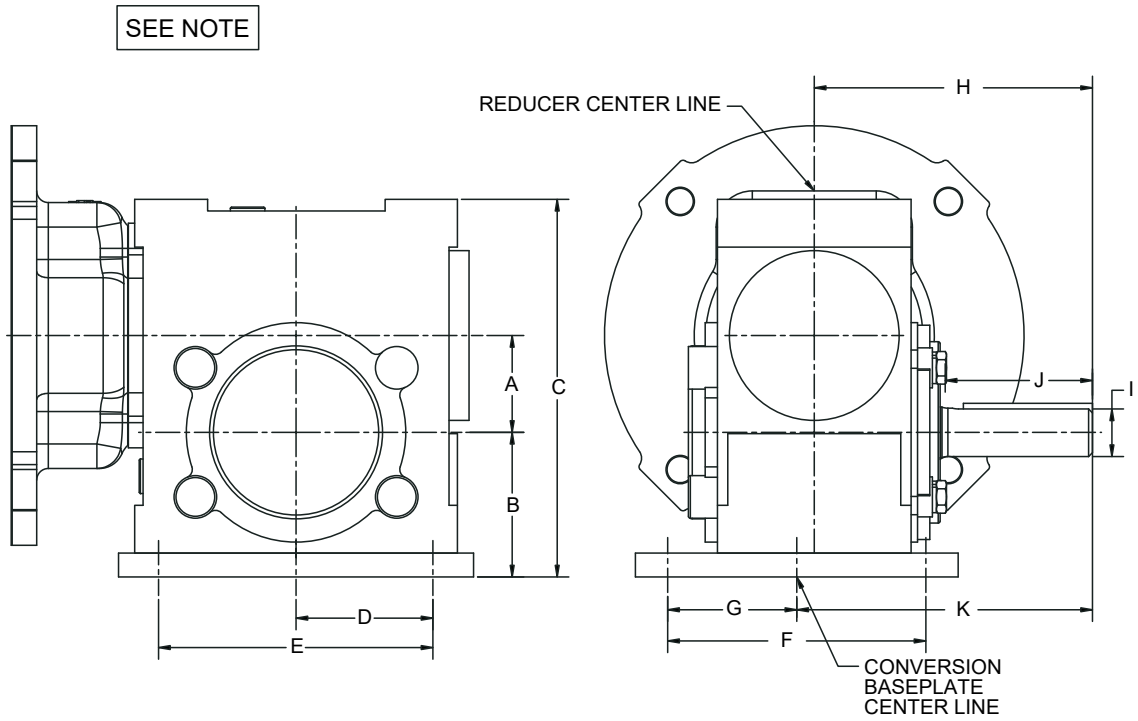
ACCESSORIES

TIGEAR-2
XL Right Angle Conversion Base

TIGEAR-2 conversion base kits allow customers who currently use single reduction Master XL right angle reducers to convert to TIGEAR-2.

The conversion base kits will be supplied with hardware to attach the conversion base to TIGEAR-2 unit.

Please note some dimensional differences exist between the Master XL reducers and TIGEAR-2 reducers with conversion base.



TIGEAR-2 Sizes	Converted XLSize	Kit No.	A	B	C	D	E	F	G	H	I	J	K	Master XL Base To Centerline Of Output Shaft
15	12	**W12T015BASE**	1.50	2.250	5.86	2.12	4.25	4.00	2.00	4.31	0.750	2.23	4.00	2.23
17	16	**W16T017BASE**	1.75	2.480	6.34	3.00	6.00	4.50	2.25	4.31	0.875	1.74	4.56	2.48
23	21	**W21T023BASE**	2.31	3.365	8.25	3.50	7.00	7.00	3.50	5.14	1.125	2.18	6.00	3.37
35	28	**W28T035BASE**	3.50	4.855	11.44	3.99	8.00	8.00	4.00	7.06	1.500	3.51	7.81	*3.985

* Denotes dimensional difference between XL Right angle and TIGEAR-2 unit with conversion base.

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TIGEAR-2

Lubrication

The DODGE TIGEAR-2 reducer is factory filled with a synthetic lubricant which eliminates costly preparation time normally required to put a reducer into service. The lubricant supplied is a high performance, H1 food grade lubricant, suitable for all mounting positions. When reducer selections are properly service factored to account for the thermal limitations of the reducer, the standard lubricant covers an operating ambient temperature range of -10°F to 165°F. No other lubricant available on the market provides the outstanding wear protection and thermal abilities of the factory-filled lubricant. Other lubricants, including Mobile SHC series lubricant, must not be mixed with the factory supplied lubricant.

Low Temperature Lubricant

For operating ambient temperature ranges from -10°F to -30°F, order Low Temperature Lubricant at the time of reducer order. See Mod Express section (page G4-127) for additional information on ordering Low Temp Lubricant.The low temperature lubricant has all of the high performance features of the standard temperature lubricant, but has been modified for lower temperatures. Contact Application Engineering for temperatures below -30°F

Approximate Oil Volumes

	Reducer Size											
Reducer Configuration	**13**	**15**	**17**	**20**	**21 ULTRA KLEEN**	**23**	**26**	**26 ULTRA KLEEN**	**30**	**35**	**40**	**47**
(QS) Quill Input Solid Output Shaft	6 oz.	7 oz.	12 oz.	15 oz.	23 oz.	23 oz.	32 oz.	37 oz.	48 oz.	66 oz.	97 oz.	176 oz.
(QH) Quill Input Hollow Output Shaft	6 oz.	7 oz.	10.2 oz.	14 oz.	18 oz.	21 oz.	28 oz.	32 oz.	44 oz.	60 oz.	89 oz.	164 oz.
Separate or 3-Piece Coupled Input (AS & SS) Solid Output Shaft	9 oz.	11 oz.	18 oz.	23 oz.	N/A	32 oz.	44 oz.	N/A	70 oz.	94 oz.	144 oz.	266 oz.
Separate or 3-Piece Coupled Input (AH & SH) Hollow Output Shaft	9 oz.	10 oz.	15 oz.	21 oz.	N/A	28 oz.	38 oz.	N/A	59 oz.	82 oz.	140 oz.	228 oz.

Replacement factory recommended TIGEAR Lubricant may be ordered from DODGE. Use the following table to determine part number

Standard Temperature Range		
Klubersynth UH1 6-460		
Volume	**Quart**	**Gallon**
	32 oz.	**128 oz.**
Part Number	**334863**	**334862**

Low Temperature Range		
Klubersynth UH1 6-150		
Volume	**Quart**	**Gallon**
	32 oz.	**128 oz.**
Part Number	**334861**	**334860**

OUTPUT SHAFT REVERSAL KITS

TIGEAR-2 reducers are stocked in left-hand and right-hand output shaft configuration. However, it is possible to convert a left-hand unit to a right-hand unit, or a right-hand unit to a left-hand unit in the field. A shaft reversal kit is required to make this change. Each kit includes a shaft seal, bore plug, o-ring, and instructions.

Reducer Size	Kit Part Number
13	**13SHAFTREV**
15	**15SHAFTREV**
17	**17SHAFTREV**
20	**20SHAFTREV**
23	**23SHAFTREV**
26	**26SHAFTREV**
30	**30SHAFTREV**
35	**35SHAFTREV**
40	**40SHAFTREV**
47	**47SHAFTREV**

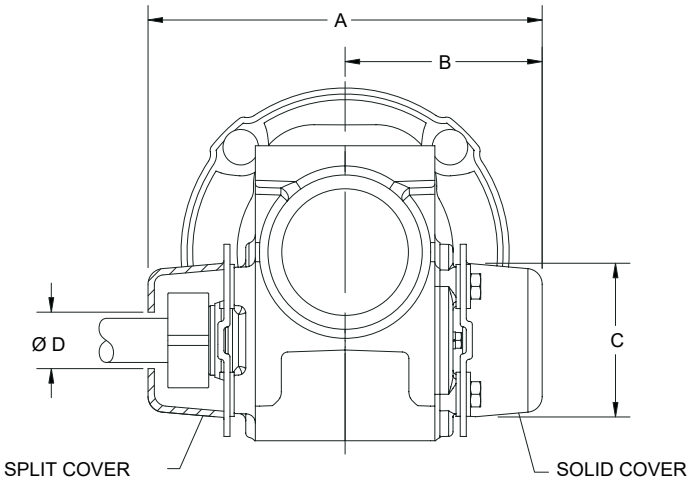
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ACCESSORIES

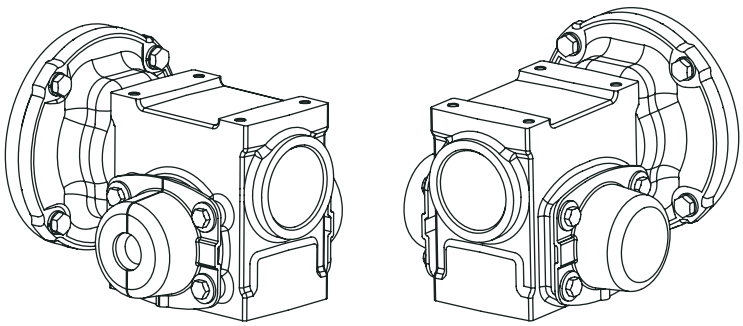
TIGEAR-2 Mod Express

Hollow Output Safety Covers

Safety Cover Kits are available to enclose the rotating shaft on hollow output reducers. The kits are designed to fit reducers equipped with GRIP TIGHT or straight-bore bushings, or reducers equipped with the standard straight-bore hollow output shaft. The covers are made from a water-resistant polymer and include stainless steel fasteners for mild washdown applications. The covers are not water tight and it is possible for solid material to collect near the covers.



SAFETY COVER - END VIEW



SAFETY COVER - ISOMETRIC VIEWS

Case Size	Cover Style	Kit Number	A	B	C	D
17	Closed	**17CLSDCOVER**	8.0	4.0	3.1	---
	Open	**170PENCOVER**	8.0	4.0	3.1	1.12
20	Closed	**20CLSDCOVER**	8.2	4.1	3.8	---
	Open	**200PENCOVER**	8.2	4.1	3.8	1.50
23	Closed	**23CLSDCOVER**	9.2	4.6	3.4	---
	Open	**230PENCOVER**	9.2	4.6	3.4	1.75
26	Closed	**26CLSDCOVER**	9.6	4.8	4.4	---
	Open	**260PENVOCER**	9.6	4.8	4.4	1.94
30	Closed	**30CLSDCOVER**	10.8	5.4	3.9	---
	Open	**300PENCOVER**	10.8	5.4	3.9	2.19
35	Closed	**35CLSDCOVER**	12.0	6.0	5.5	---
	Open	**350PENCOVER**	12.0	6.0	5.5	2.19
40	Closed	**40CLSDCOVER**	13.6	6.8	4.5	---
	Open	**400PENCOVER**	13.6	6.8	4.5	2.44

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TIGEAR-2 Mod Express

TIGEAR-2 Mod Express program provides common options for the TIGEAR-2 product line. All options are performed at the factory but standard delivery time may be increased if engineering time and/or parts are required to be outsourced for modification. All modified units will be assigned a unique part number. Net price adders for most modifications can be found at the end of the Tigear-2 section in the MLP book. For pricing not listed contact marketing.

Modification	Part Number Suffix	Notes
Special Output Bore Diameter	BDyxx	See Note 1
Harsh Duty Output Seals	HD	Option available only on standard reducers
Special Input Shaft Diameter	IDyxx	Option only available on Separate reducers. See Notes 1 and 3
Special Input Shaft Length	ILyxx	Option only available on Separate reducers. See Notes 1 and 3
Low Temperature Lubricant	LT	Suitable for ≥30 deg F temperature range.
Stainless Steel Hardware	SH	Option available only on standard units
Special Sealed Input Bearing	SB	For vertically mounted 3-Piece Coupled input reducers. Bearing is changed from open to sealed.
Stainless Epoxy Paint	SP	Option available only on standard units. See Note 2.
Special Output Shaft Length	SLyxx	See Notes 1 and 3
Special Output Shaft Diameter	SDyxx	See Notes 1 and 3
White Epoxy Paint	WP	See Note 2.

NOTE 1 - Marketing approval required

NOTE 2 - Not available on Ultra-Kleen reducers

NOTE 3 - Overhung load capacity must be verified with Engineering

y = the whole number of inches required. xx = the number of sixteenths. (Example: for 1.5", yxx = 108; for 2-15/16" yxx = 215; etc.)

For METRIC dimensions, annotate yxx in the closest inch dimension and add metric dimension to note on order

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ENGINEERING/TECHNICAL

TIGEAR-2

Shipping Weights - Approximate

Standard and E-Z KLEEN

Input Style	Motor Frame	Reducer Case Size									
		13	**15**	**17**	**20**	**23**	**26**	**30**	**35**	**40**	**47**
Quill and Separate	56/140	17	20	26	31	45	51	81	100	160	
	180/210					47	53	86	102	160	245
	250									160	245

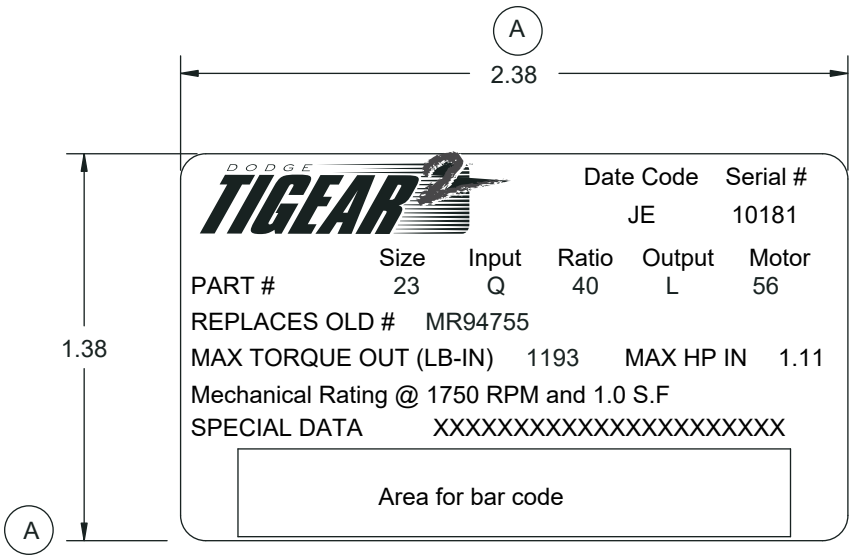
Input Style	Motor Frame	Reducer Case Size									
		13	**15**	**17**	**20**	**23**	**26**	**30**	**35**	**40**	**47**
3-Piece Coupled	56/140	18	22	29	34	50	57	91	113	166	
	180/210					53	60	108	120	166	251
	250									166	251

ULTRA KLEEN

Input Style	Motor Frame	Reducer Case Size									
		17	21	23	26	30					
Quill	56/140	28	38	50	65	79					
	180			50	65	79					

Input Style	Motor Frame	Reducer Case Size									
		17	**23**	**30**							
3-Piece Coupled	56/140	32	58	83							
	180		58	83							

Nameplate Layout



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Manufactured Date Code Chart

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966	AR	BR	CR	DR	ER	FR	GR	HR	JR	KR	LR	MR
1967	AS	BS	CS	DS	ES	FS	GS	HS	JS	KS	LS	MS
1968	AT	BT	CT	DT	ET	FT	GT	HT	JT	KT	LT	MT
1969	AU	BU	CU	DU	EU	FU	GU	HU	JU	KU	LU	MU
1970	AV	BV	CV	DV	EV	FV	GV	HV	JV	KV	LV	MV
1971	AW	BW	CW	DW	EW	FW	GW	HW	JW	KW	LW	MW
1972	AX	BX	CX	DX	EX	FX	GX	HX	JX	KX	LX	MX
1973	AY	BY	CY	DY	EY	FY	GY	HY	JY	KY	LY	MY
1974	AZ	BZ	CZ	DZ	EZ	FZ	GZ	HZ	JZ	KZ	LZ	MZ
1975	NA	PA	QA	RA	SA	TA	UA	VA	WA	XA	YA	ZA
1976	NB	PB	QB	RB	SB	TB	UB	VB	WB	XB	YB	ZB
1977	NC	PC	QC	RC	SC	TC	UC	VC	WC	XC	YC	ZC
1978	ND	PD	QD	RD	SD	TD	UD	VD	WD	XD	YD	ZD
1979	NE	PE	QE	RE	SE	TE	UE	VE	WE	XE	YE	ZE
1980	NF	PF	QF	RF	SF	TF	UF	VF	WF	XF	YF	ZF
1981	NG	PG	QG	RG	SG	TG	UG	VG	WG	XG	YG	ZG
1982	NH	PH	QH	RH	SH	TH	UH	VH	WH	XH	YH	ZH
1983	NJ	PJ	QJ	RJ	SJ	TJ	UJ	VJ	WJ	XJ	YJ	ZJ
1984	NK	PK	QK	RK	SK	TK	UK	VK	WK	XK	YK	ZK
1985	NL	PL	QL	RL	SL	TL	UL	VL	WL	XL	YL	ZL
1986	NM	PM	QM	RM	SM	TM	UM	VM	WM	XM	YM	ZM
1987	NN	PN	QN	RN	SN	TN	UN	VN	WN	XN	YN	ZN
1988	NP	PP	QP	RP	SP	TP	UP	VP	WP	XP	YP	ZP
1989	NQ	PQ	QQ	RQ	SQ	TQ	UQ	VQ	WQ	XQ	YQ	ZQ
1990	NR	PR	QR	RR	SR	TR	UR	VR	WR	XR	YR	ZR
1991	NS	PS	QS	RS	SS	TS	US	VS	WS	XS	YS	ZS
1992	NT	PT	QT	RT	ST	TT	UT	VT	WT	XT	YT	ZT
1993	NU	PU	QU	RU	SU	TU	UU	VU	WU	XU	YU	ZU
1994	NW	PW	QW	RW	SW	TW	UW	VW	WW	XW	YW	ZW
1995	NX	PX	QX	RX	SX	TX	UX	VX	WX	XX	YX	ZX
1996	NY	PY	QY	RY	SY	TY	UY	VY	WY	XY	YY	ZY
1997	NZ	PZ	QZ	RZ	SZ	TZ	UZ	VZ	WZ	XZ	YZ	ZZ
1998	AA	BA	CA	DA	EA	FA	GA	HA	JA	KA	LA	MA
1999	AB	BB	CB	DB	EB	FB	GB	HB	JB	KB	LB	MB
2000	AC	BC	CC	DC	EC	FC	GC	HC	JC	KC	LC	MC
2001	AD	BD	CD	DD	ED	FD	GD	HD	JD	KD	LD	MD
2002	AE	BE	CE	DE	EE	FE	GE	HE	JE	KE	LE	ME
2003	AF	BF	CF	DF	EF	FF	GF	HF	JF	KF	LF	MF
2004	AG	BG	CG	DG	EG	FG	GG	HG	JG	KG	LG	MG
2005	AH	BH	CH	DH	EH	FH	GH	HH	JH	KH	LH	MH
2006	AJ	BJ	CJ	DJ	EJ	FJ	GJ	HJ	JJ	KJ	LJ	MJ
2007	AK	BK	CK	DK	EK	FK	GK	HK	JK	KK	LK	MK
2008	AL	BL	CL	DL	EL	FL	GL	HL	JL	KL	LL	ML
2009	AM	BM	CM	DM	EM	FM	GM	HM	JM	KM	LM	MM
2010	AN	BN	CN	DN	EN	FN	GN	HN	JN	KN	LN	MN
2011	AP	BP	CP	DP	EP	FP	GP	HP	JP	KP	LP	MP
2012	AQ	BQ	CQ	DQ	EQ	FQ	GQ	HQ	JQ	KQ	LQ	MQ
2013	AR	BR	CR	DR	ER	FR	GR	HR	JR	KR	LR	MR
2014	AS	BS	CS	DS	ES	FS	GS	HS	JS	KS	LS	MS
2015	AT	BT	CT	DT	ET	FT	GT	HT	JT	KT	LT	MT

FEATURES/BENEFITS PAGE G4-2	SPECIFICATION PAGE G4-8	NOMENCLATURE PAGE G4-9	RATINGS/DIMENSIONS PAGE G4-16

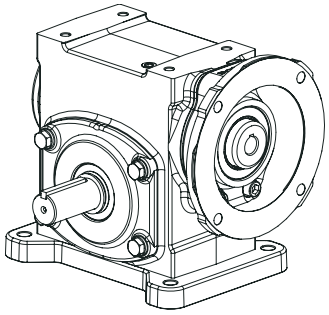
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MOUNTING POSITIONS

TIGEAR-2 Mounting Positions

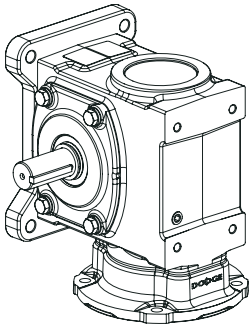
TIGEAR-2 reducers are supplied with a high performance lubricant factory filled to a level suitable for all approved mounting positions. Positions shown as not recommended do NOT void the product warrant. They are however, positions that can cause problems in certain applications. Mounting position nomenclature is NOT required when ordering. Mounting positions apply to all input and output configurations.

Floor Mounted,
Motor Adapter Or Input Shaft Above The Output Shaft

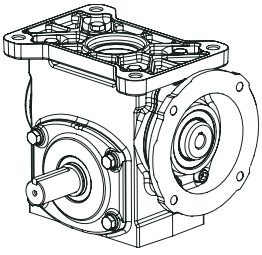


Wall Mounted,
Motor Adapter Or Input Shaft Facing Down

See Note 2

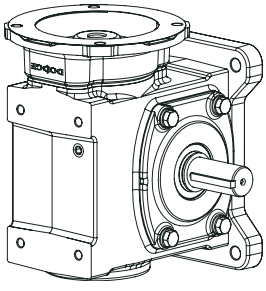


Ceiling Mounted,
Motor, Motor Adapter Or Input Shaft Above The Output Shaft



Wall Mounted,
Motor Adapter Or Input Shaft Facing Up

See Note 3



Recommend 3-piece Coupled Input with Special Sealed Input Bearing. (See Mod Express, page G4-127 for additional information.)

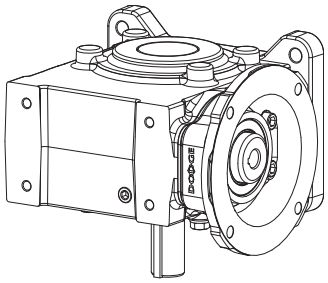
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MOUNTING POSITIONS

TIGEAR-2 Mounting Positions

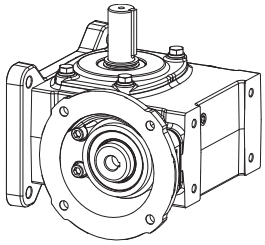
Wall Mounted,
Output Shaft Down

See Note 4



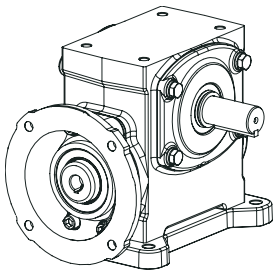
Wall Mounted,
Output Shaft Up

See Note 4



Floor or Ceiling Mounted,
Motor Adapter Or Input Shaft Below Output Shaft

See Note 1



Note 1 Not recommended due to flooded input seal.

Note 2 Not recommended due to the flooded input seal and the upper bearing which will not get sufficient lubrication.

Note 3 Not recommended for 3-piece coupled input. The upper input bearing will not get sufficient lubrication.

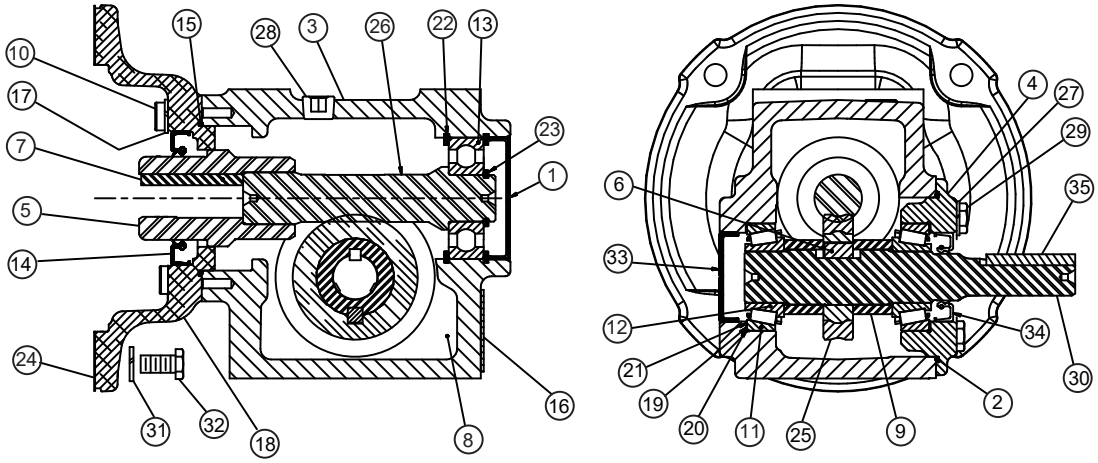
Note 4 Not recommended for Quill input

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RENEWAL PARTS

TIGEAR-2 With Quill Input / Solid Output

Sizes 13 - 23



Ref No.	Description	Qty	13	15	17	20	23
			Part Number	Part Number	Part Number	Part Number	Part Number
1	INPUT BORE PLUG	1	335603	335603	335600	335600	335601
2	O-RING	1	276019	276019	276134	276355	334307
3	TIG2 SOLID GEARCASE	1	333210	333211	333212	333213	333214
4	T2 133& 150 SOLID BRG HSG	1	333265	333265	333266	333267	333268
5	QUILL CPLG 150 56C ✤	1	-----	-----	-----	-----	-----
6	GEAR KEY	1	333650	333661	333666	333671	333686
7	DRIV-LOK KEY 56-140	1	333698	333698	333667	333667	333698
	DRIV-LOK KEY 180TC	1	-----	-----	-----	-----	333707
	DRIV-LOK KEY 210TC	1	-----	-----	-----	-----	-----
	DRIV-LOK KEY 250TC	1	-----	-----	-----	-----	-----
8	TIGEAR 2 LUBRICANT	1	334863	334863	334863	334863	334863
9	SOLID SPACER	2	333725	333726	333727	333728	333729
10	SOCKET HEAD CAP SCR GR8	4	333801	333801	333801	333801	51492
	SCKT HD CAP SCR 180-210-250	4	-----	-----	-----	-----	-----
11-12	BEARING CUP/CONE ASSM	2	335337	335337	411626-01-C	411626-01-A	411626-01-A
13	BALL BEARING	1	334218	334218	334219	334219	334220
14	INPUT SEAL T2 56-140	1	334274	334274	334274	334274	334276
	INPUT SEAL T2 180-210-250	1	-----	-----	-----	-----	-----
15	"O-RING, NITRILE"	1	334301	334301	334301	334301	276355
16	TIGEAR 2 NAMEPLATE	1	334305	334305	334305	334305	334305
17	MED LOCKWASHER	4	419010	419010	419010	419010	275803

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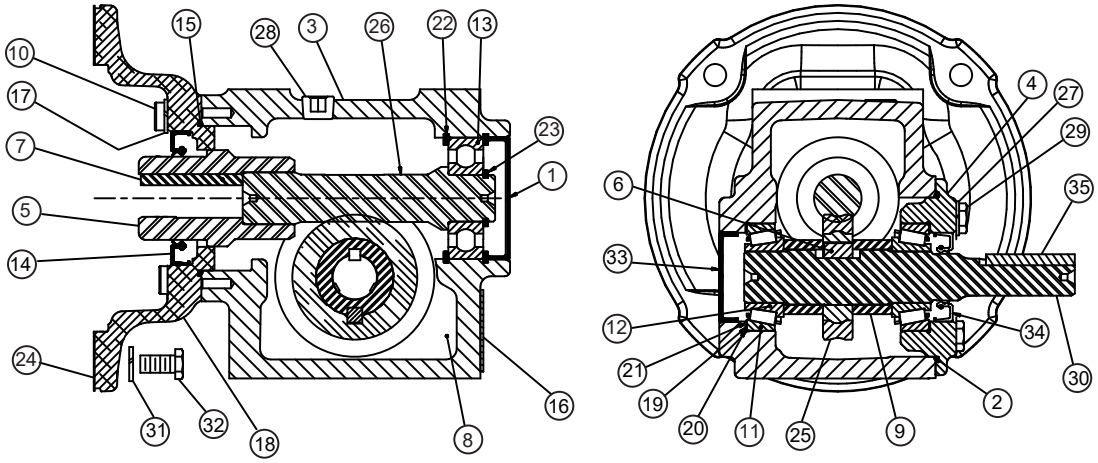
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RENEWAL PARTS

TIGEAR-2 With Quill Input / Solid Output

Sizes 13 - 23



Ref No.	Description	Qty	13	15	17	20	23
			Part Number	Part Number	Part Number	Part Number	Part Number
18	MOTOR ADAPTER T2 56-140	1	333228	333228	333228	333228	333229
	MOTOR ADAPTER 180	1	-----	-----	-----	-----	334681
19-21	SHIM KIT	1	411642-46-E	411642-46-E	411623-33-A	411623-33-B	411623-33-B
22	INTERNAL RET RING	2	411637-02-AV	411637-02-AV	58256	58256	411637-01-A
23	EXTERNAL RET RING	1	411637-02-E	411637-02-AY	411637-02-AY	411637-02-N	
24	56/140 M/A. GASKET	1	602028-43-F	602028-43-F	602028-43-F	602028-43-F	602028-43-F
	MTR ADPT GSKT 180-210-250	1	-----	-----	-----	-----	276335
25	TIG2 SOLID GEAR ✤	1	-----	-----	-----	-----	-----
26	TIG2 WORMSHAFT ✤	1	-----	-----	-----	-----	-----
27	MED LOCKWASHER	4	419009	419009	419010	419010	275803
28	PIPE PLUG 1/4" SOC.	2	411647-34-B	411647-34-B	411647-34-B	411647-34-B	411647-34-B
29	HEX HEAD CAP SCREW GR5	4	51302	51302	411405	411405	51929
30	SOLID O/P SHFT-SINGLE EXTN	1	333604	333605	333606	333607	333608
31	LOCK WASHER 56-140	4	275803	275803	275803	275803	275803
	LOCK WASHER 180-210	4	-----	-----	-----	-----	-----
32	HEX HD CAP SCR MTR 56-140	4	51929	51929	51929	51492	51929
	HEX HD CAP SCR MTR 180-210	4	-----	-----	-----	-----	41163158X
	HEX HD CAP SCR MTR 250	4	-----	-----	-----	-----	-----
33	OUTPUT BORE PLUG	1	335605	335605	335606	335608	335608
34	TIG2 SEAL, OUTPUT	1	334271	334271	334272	334273	334273
35	KEY	1	333665	333660	333665	333827	333685

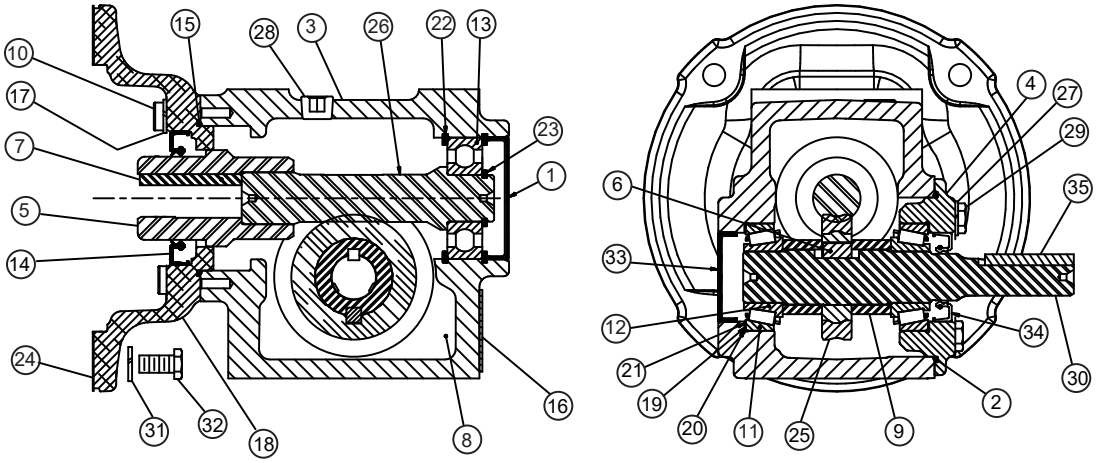
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RENEWAL PARTS

TIGEAR-2 With Quill Input / Solid Output

Sizes 26 - 47



Ref No.	Description	Qty	26	30	35	40	47
			Part Number	Part Number	Part Number	Part Number	Part Number
1	INPUT BORE PLUG	1	335609	335602	335604	335610	335613
2	O-RING	1	334302	334308	276358	334313	334315
3	TIG2 SOLID GEARCASE	1	333215	333216	333217	334506	334576
4	T2 133& 150 SOLID BRG HSG	1	333269	333270	333271	334510	334580
5	QUILL CPLG 150 56C ✤	1	-----	-----	-----	-----	-----
6	GEAR KEY	1	333696	333706	333775	334564	334624
7	DRIV-LOK KEY 56-140	1	333698	333698	333715	334557	334557
	DRIV-LOK KEY 180TC	1	333707	333707	333707	334558	334558
	DRIV-LOK KEY 210TC	1	-----	-----	333721	334559	334559
	DRIV-LOK KEY 250TC	1	-----	-----	-----	334560	334560
8	TIGEAR 2 LUBRICANT	1	334862	334862	334862	334862	334862
9	SOLID SPACER	2	333730	333731	333732	334565	334625
10	SOCKET HEAD CAP SCR GR8	4	51492	51492	51952	51952	51952
	SCKT HD CAP SCR 180-210-250	4	-----	-----	334374	334374	334374
11-12	BEARING CUP/CONE ASSM	2	411626-01-A	335338	411626-01-R	335340	335344
13	BALL BEARING	1	334221	334222	334223	334224	334225
14	INPUT SEAL T2 56-140	1	334276	334276	334276	334276	334276
	INPUT SEAL T2 180-210-250	1	-----	-----	334279	334279	334279
15	O-RING, NITRILE	1	276355	276355	334302	334302	334302
16	TIGEAR 2 NAMEPLATE	1	334305	334305	334305	334305	334305
17	MED LOCKWASHER	4	275803	275803	275855	275855	275855

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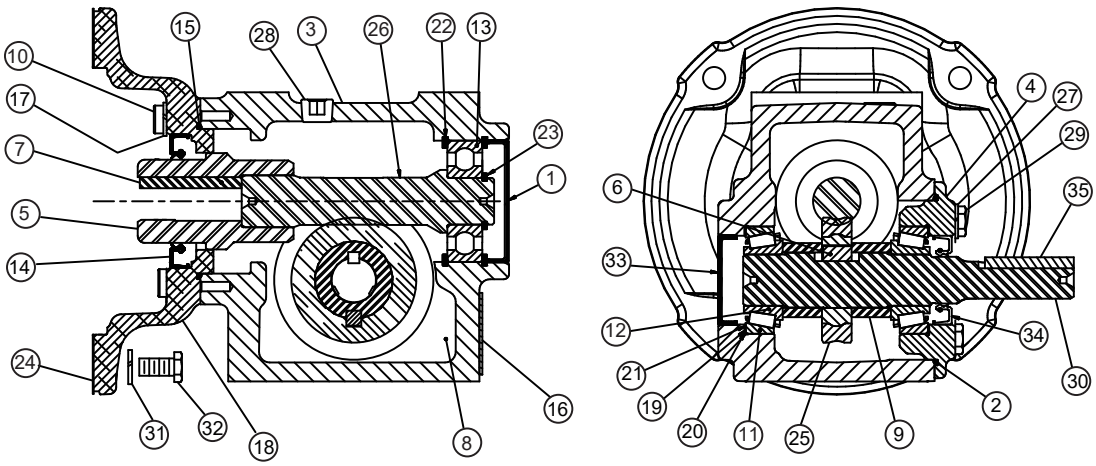
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RENEWAL PARTS

TIGEAR-2 With Quill Input / Solid Output

Sizes 26 - 47



Ref No.	Description	Qty	26	30	35	40	47
			Part Number	Part Number	Part Number	Part Number	Part Number
18	MOTOR ADAPTER T2 56-140	1	333229	333229	334759	334759	-----
	MOTOR ADAPTER 180-210	1	334681	334681	333231	333231	333231
	MOTOR ADPT PLT 250TC (1)	1	-----	-----	-----	334570	334570
19-21	SHIM KIT	1	411623-33-B	335330	411623-33-C	335331	335336
22	INTERNAL RET RING	2	278715	411637-02-AC	278717	51334	51335
23	EXTERNAL RET RING	1	411637-02-AP	411637-02-AR	411637-02-BA	334404	333933
24	56/140 M/A. GASKET	1	602028-43-F	602028-43-F	602028-43-F	602028-43-F	602028-43-F
	MTR ADPT GSKT 180-210-250 (4)	1	276335	276335	276335	276335	276335
25	TIG2 SOLID GEAR ✤	1	-----	-----	-----	-----	-----
26	TIG2 WORMSHAFT ✤	1	-----	-----	-----	-----	-----
27	MED LOCKWASHER	4	275803	275855	275855	419036	419036
28	PIPE PLUG 1/4" SOC.	2	411647-34-B	411647-34-B	411647-34-B	411647-34-B	411647-34-B
29	HEX HEAD CAP SCREW GR5	4	51929	51952	51952	411483	411484
30	SOLID O/P SHFT-SINGLE EXTN	1	333609	333610	333611	334554	334619
31	LOCK WASHER 56-140	4	275803	275803	275803	275803	275803
	LOCK WASHER 180-210	4	-----	-----	275855	275853	275853
32	HEX HD CAP SCR MTR 56-140	4	51929	51929	51929	51929	51929
	HEX HD CAP SCR MTR 180-210	4	411631-63-A	411631-63-A	411631-58-X	334896	334896
	HEX HD CAP SCR MTR 250	4	-----	-----	-----	276446	276446
33	OUTPUT BORE PLUG	1	335608	335607	335614	335611	335612
34	TIG2 SEAL, OUTPUT	1	334273	334274	334275	334277	334278
35	KEY	1	333695	333705	333716	333829	333829

(1) 250TC adpt plate bolts onto 180-210 motor adapter.

(4) Frame size 250 uses qty 2.

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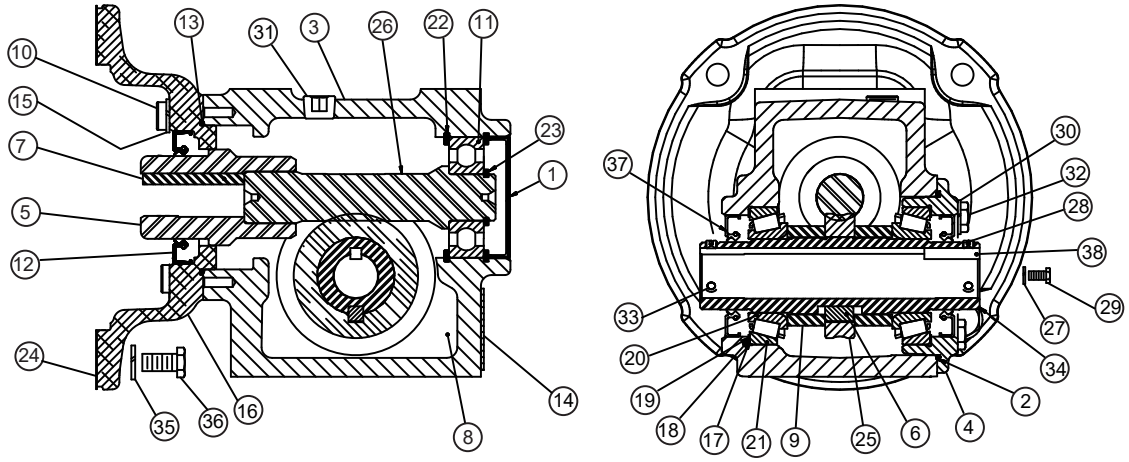
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RENEWAL PARTS

TIGEAR-2 With Quill Input / Hollow Output

Sizes 13 - 23



Ref No	Description	Qty	13	15	17	20	23
			Part Number	Part Number	Part Number	Part Number	Part Number
1	I/P RIBBED BORE PLUG	1	335603	335603	335600	335600	335601
2	O-RING	1	276019	276019	276134	276355	334307
3	TIG2 HOLLOW GEARCASE	1	333218	333219	333220	333221	333222
4	T2 HOLLOW BRG HOUSING	1	333281	333281	333282	333283	333284
5	QUILL CPLG ✤	1	-----	-----	-----	-----	-----
6	SOLID GEAR KEY	1	333650	333650	333666	333671	333686
7	DRIV-LOK KEY 56-140	1	333698	333698	333667	333667	333698
	DRIV-LOK KEY 180TC	1	-----	-----	-----	-----	333707
8	TIGEAR 2 LUBRICANT	1	334863	334863	334863	334863	334862
9	TIG2 HOLLW O/P SPACER	2	333733	333734	333735	333736	333737
10	SOCKET HEAD CAP SCREW	4	333801	333801	333801	333801	51492
11	BALL BRG.	1	334218	334218	334219	334219	334220
12	TIG2 SEAL, INPUT 56-140	1	334274	334274	334274	334274	334276
	TIG2 SEAL, INPUT 180-210	1	-----	-----	-----	-----	-----
13	O-RING. NITRILE	1	334301	334301	334301	334301	276355
14	TIGEAR 2 NAMEPLATE FIN	1	334305	334305	334305	334305	334305
15	MED LOCKWASHER	4	419010	419010	419010	419010	275803
16	MOTOR ADAPTER T2 56-140	1	333228	333228	333228	333228	333229
	MOTOR ADAPTER, 180	1	-----	-----	-----	-----	334681
17-19	SHIM KIT	1	411623-33-B	411623-33-B	335330	411623-33-C	335331

✤ Contact DODGE Renewal Parts

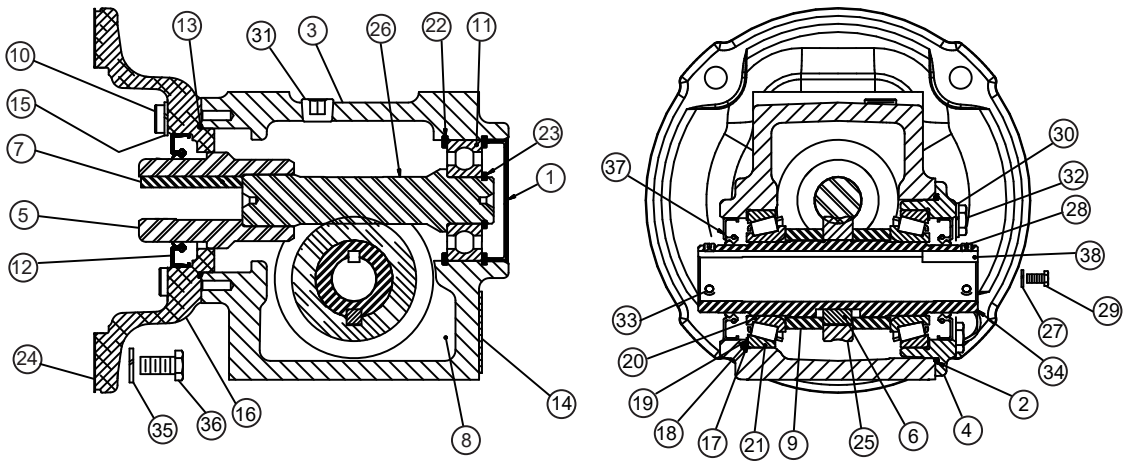
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RENEWAL PARTS

TIGEAR-2 With Quill Input / Hollow Output

Sizes 13 - 23



Ref No	Description	Qty	13	15	17	20	23
			Part Number	Part Number	Part Number	Part Number	Part Number
20-21	BEARIN CUP/CONE ASSEMBLY	2	411626-01-A	411626-01-A	335338	335339	335340
22	INTERNAL RET RING	2	411637-02-AV	411637-02-AV	58256	58256	411637-01-A
23	EXTERNAL RET RING	1	411637-02-E	411637-02-E	411637-02-AY	411637-02-AY	411637-02-N
24	56/140 M/A. GASKET	1	602028-43-F	602028-43-F	602028-43-F	602028-43-F	602028-43-F
	MOTOR ADPT GASKET 180-210-250	1	-----	-----	-----	-----	276335
25	TIG2 HOLLOW GEAR ✤	1	-----	-----	-----	-----	-----
26	TIG2 WORMSHAFT ✤	1	-----	-----	-----	-----	-----
27	MED LOCKWASHER	2	419007	419007	419007	419007	419009
28	SET SCREW	2	400140	400140	400140	400140	400140
29	HEX HEAD CAP SCREW	2	58270	58270	333800	333800	51302
30	MED LOCKWASHER	4	419009	419009	419010	419010	275803
31	PIPE PLUG 1/4" OC.	2	411647-34-B	411647-34-B	411647-34-B	411647-34-B	411647-34-B
32	HEX HEAD CAP SCREW	4	51302	51302	411405	411405	51929
33	SET SCREW	4	275953	275953	275953	275953	275953
34	TIG2 HOLLOW O/P SHAFT	1	333629	333629	333631	334789	333633
35	LOCK WASHER 56-140	4	275803	275803	275803	275803	275803
	LOCK WASHER 180	4	-----	-----	-----	-----	-----
36	HEX HEAD CAP SCREW	4	51492	51492	51929	51492	51929
	SHCS MTR MOUNTING 180-210	4	-----	-----	-----	-----	411631-63-A
	SHCS MTR MOUNTING 250	4	-----	-----	-----	-----	-----
37	SEAL TIGEAR 2, OUTPUT	2	334273	334273	334274	334276	334277
38	OUTPUT KEY	1	333831	333831	333827	333827	333687

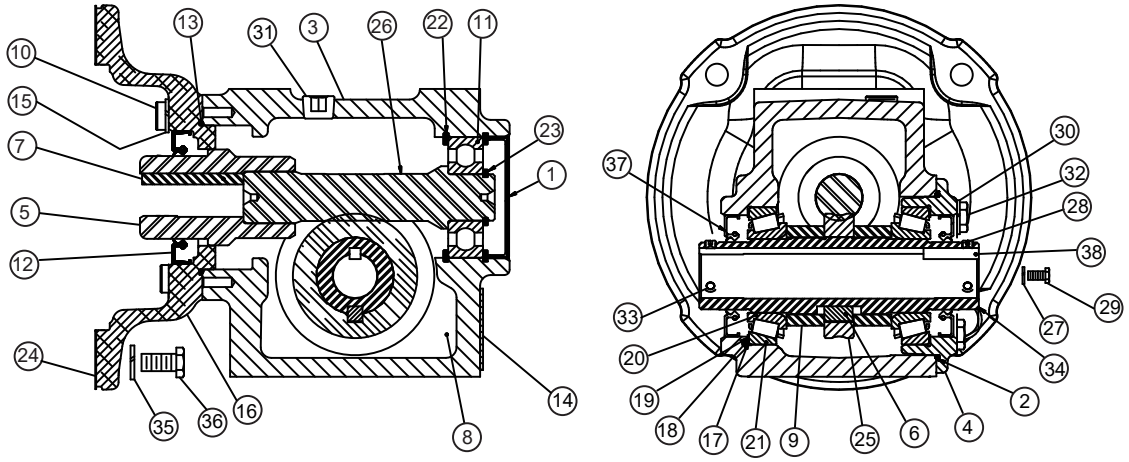
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RENEWAL PARTS

TIGEAR-2 With Quill Input / Hollow Output

Sizes 26 - 47



Ref No	Description	Qty	26	30	35	40	47
			Part Number	Part Number	Part Number	Part Number	Part Number
1	I/P RIBBED BORE PLUG	1	335609	335602	335604	335610	335613
2	O-RING	1	334302	334308	276358	334313	334315
3	TIG2 HOLLOW GEARCASE	1	333223	333224	333225	334507	334577
4	T2 HOLLOW BRG HOUSING	1	333285	333286	333287	334512	334582
5	QUILL CPLG ✤	1	-----	-----	-----	-----	-----
6	SOLID GEAR KEY	1	333670	333712	333717	334564	334624
7	DRIV-LOK KEY 56-140	1	333698	333698	333715	334557	-----
	DRIV-LOK KEY 180TC	1	333707	333707	333707	334558	334558
	DRIV-LOK KEY 210TC	1	-----	-----	333721	334559	334559
	DRIV-LOK KEY 250TC	1	-----	-----	-----	334560	334560
8	TIGEAR 2 LUBRICANT	1	334862	334862	334862	334862	334862
9	TIG2 HOLLW O/P SPACER	2	333738	333739	333740	334566	334626
10	SOCKET HEAD CAP SCREW	4	51492	51492	334374	334374	334374
11	BALL BRG.	1	334221	334222	334223	334224	334225
12	TIG2 SEAL, INPUT 56-140	1	334276	334276	334276	334276	334276
	TIG2 SEAL, INPUT 180-210	1	-----	-----	334279	334279	334279
13	O-RING. NITRILE	1	276355	276355	334302	334302	334302
14	TIGEAR 2 NAMEPLATE FIN	1	334305	334305	334305	334305	334305
15	MED LOCKWASHER	4	275803	275803	275855	275855	275855
16	MOTOR ADAPTER T2 56-140	1	333229	333229	334759	334759	-----
	MOTOR ADAPTER, 180-210TC	1	334681	334681	333231	333231	333231
	MOTOR ADPT PLATE 250TC (2)	1	-----	-----	-----	334570	334570
17-19	SHIM KIT	1	335332	335333	335333	335334	335335

(2) Adapter plate bolts onto 180-210 adapter **333231**.

✤ Contact DODGE Renewal Parts

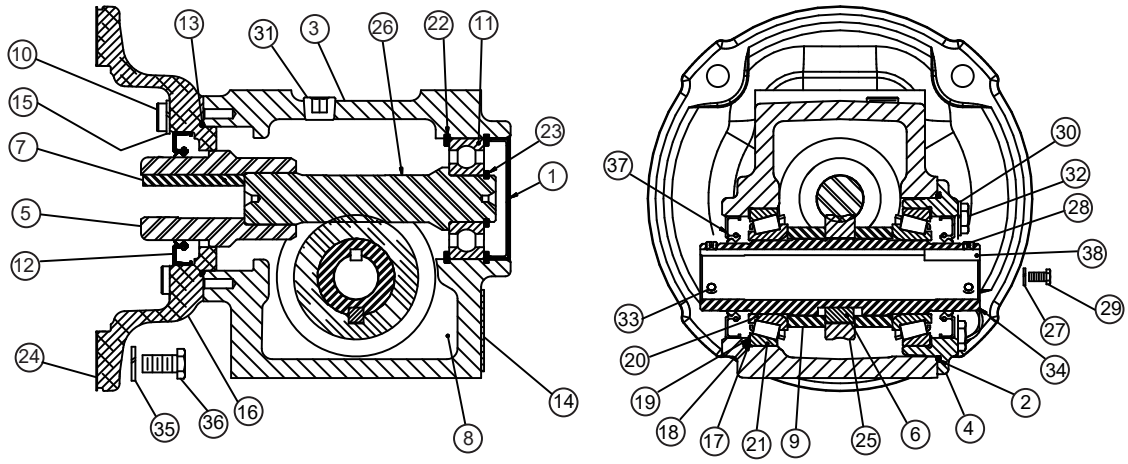
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RENEWAL PARTS

TIGEAR-2 With Quill Input / Hollow Output

Sizes 26 - 47



Ref No	Description	Qty	26	30	35	40	47
			Part Number	Part Number	Part Number	Part Number	Part Number
20-21	BEARIN CUP/CONE ASSEMBLY	2	411626-01-BJ	335341	335341	335342	335343
22	INTERNAL RET RING	2	278715	411637-02-AC	278717	51334	51335
23	EXTERNAL RET RING	1	411637-02-AP	411637-02-AR	411637-02-BA	334404	333933
24	56/140 M/A. GASKET	1	602028-43-F	602028-43-F	602028-43-F	602028-43-F	-----
	MOTOR ADPT GASKET 180-210-250 (3)	1	276335	276335	276335	276335	276335
25	TIG2 HOLLOW GEAR ✤	1	-----	-----	-----	-----	-----
26	TIG2 WORMSHAFT ✤	1	-----	-----	-----	-----	-----
27	MED LOCKWASHER	2	419009	419009	419009	419009	419009
28	SET SCREW	2	400140	400140	400140	400140	275953
29	HEX HEAD CAP SCREW	2	51302	053204	411396	411396	411402
30	MED LOCKWASHER	4	275803	275855	275855	419036	419036
31	PIPE PLUG 1/4" SOC.	2	411647-34-B	411647-34-B	411647-34-B	411647-34-B	411647-34-B
32	HEX HEAD CAP SCREW	4	51929	51952	51952	411483	411484
33	SET SCREW	4	275962	275954	275954	333805	333805
34	TIG2 HOLLOW O/P SHAFT	1	333634	333635	333636	334556	334621
35	LOCK WASHER 56-140	4	275803	275803	275803	275803	-----
	LOCK WASHER 180	4	-----	-----	-----	275853	275853
36	HEX HEAD CAP SCREW	4	51929	51929	51929	51929	-----
	SHCS MTR MOUNTING 180-210	4	411631-63-A	411631-63-A	411631-58-X	334896	334896
	SHCS MTR MOUNTING 250	4	-----	-----	-----	276446	276446
37	SEAL TIGEAR 2, OUTPUT"	2	334278	334279	334279	334280	334281
38	OUTPUT KEY	1	333687	333709	333709	334563	334623

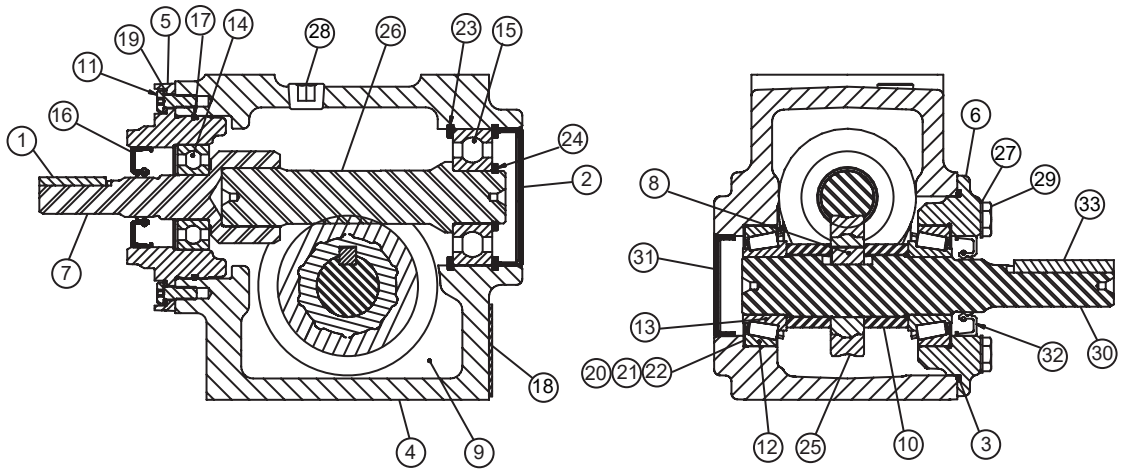
✤ Contact DODGE Renewal Parts

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RENEWAL PARTS

TIGEAR-2 With Separate Input / Solid Output
Sizes 13 - 23



Ref No	Description	Qty	13	15	17	20	23
			Part Number	Part Number	Part Number	Part Number	Part Number
1	INPUT KEY	1	333830	333830	333831	333831	333831
2	I/P RIBBED B/P	1	335603	335603	335600	335600	335601
3	O-RING	1	276019	276019	276134	276355	334307
4	TIG2 SOLID GEARCASE	1	333210	333211	333212	333213	333214
5	T2 I/P BRG CARRIER	1	333245	333245	333246	333246	333249
6	T2 SOLID BRG HSG	1	333265	333265	333266	333267	333268
7	TIG2 INPUT COUPLING ⊠	1	-----	-----	-----	-----	-----
8	SOLID GEAR KEY	1	333650	333661	333666	333671	333686
9	TIGEAR 2 LUBRICANT	1	334863	334863	334863	334863	334862
10	SOLID SPACER	2	333725	333726	333727	333728	333729
11	LHHCS PLAIN	2	333808	333808	333808	333808	333807
12-13	BEARING CUP/CONE ASSM	2	335337	335337	411626-01-C	411626-01-A	411626-01-A
14	BALL BEARING	1	334211	334211	334212	334212	334213
15	BALL BEARING	1	334218	334218	334219	334219	334220
16	TIG2 INPUT SEAL	1	334270	334270	334271	334271	334272
17	O-RING, NITRILE	1	334300	334300	334300	334300	334303
18	TIGEAR 2 NAMEPLATE	1	334305	334305	334305	334305	334305
19	MED LOCKWASHER	2	419007	419007	419007	419007	419009
20-22	SHIM KIT	1	411642-46-E	411642-46-E	411623-33-A	411623-33-B	411623-33-B
23	INTERNAL RET RING	2	411637-02-AV	411637-02-AV	58256	58256	411637-01-A
24	EXTERNAL RET RING	1	411637-02-E	411637-02-E	411637-02-AY	411637-02-AY	411637-02-N
25	SOLID GEAR ✤	1	-----	-----	-----	-----	-----
26	WORMSHAFT ✤	1	-----	-----	-----	-----	-----
27	PIPE PLUG 1/4" SOC. (1)	2	411647-34-B	411647-34-B	411647-34-B	411647-34-B	411647-34-B
28	MED LOCKWASHER	4	419009	419009	419010	419010	275803
29	HEX HEAD CAP SCREW	4	51302	51302	411405	411405	51929
30	O/P SHAFT, SINGLE EXTN	1	333604	333605	333606	333607	333608
31	O/P RIBBED BORE PLUG	1	333605	333605	335606	335608	335608
32	TIG2 SEAL, OUTPUT	1	334271	334271	334272	334273	334273
33	KEY, OUTPUT	1	333665	333660	333665	333827	333827

(1) Size 400 & 475 uses qty 1

(2) Size 475 requires 266 oz. of lube. Order qty 2 (gal) **334862** & qty 1 (qt.) of **334863**.

✤ Contact DODGE Renewal Parts

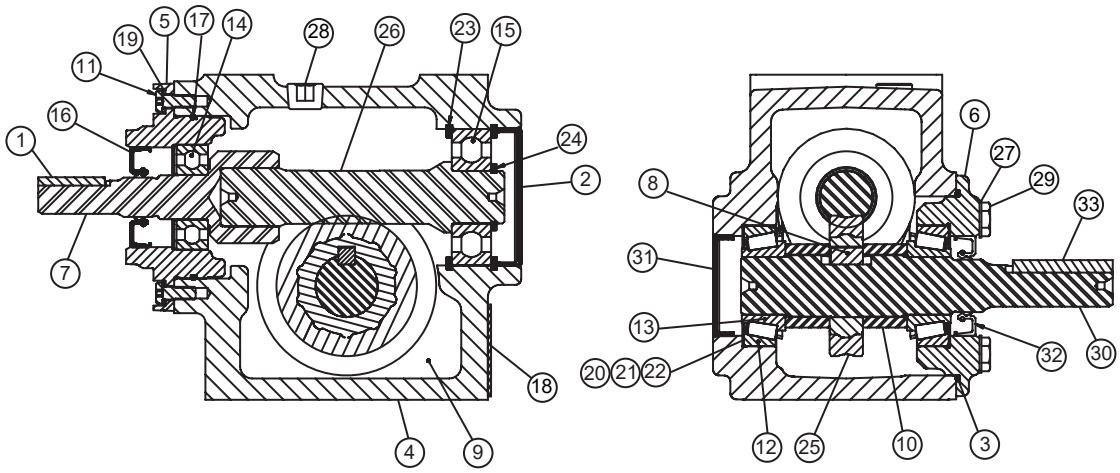
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RENEWAL PARTS

TIGEAR-2 With Separate Input / Solid Output

Sizes 26 - 47



Ref No	Description	Qty	26	30	35	40	47
			Part Number	Part Number	Part Number	Part Number	Part Number
1	INPUT KEY	1	333831	333831	333826	334561	334561
2	I/P RIBBED B/P	1	335609	335602	335604	335610	335613
3	O-RING	1	334302	334308	276358	334313	334315
4	TIG2 SOLID GEARCASE	1	333215	333216	333217	334506	334576
5	T2 I/P BRG CARRIER	1	333249	333250	333253	334508	334508
6	T2 SOLID BRG HSG	1	333269	333270	333271	334510	334580
7	TIG2 INPUT COUPLING ✤	1	-----	-----	-----	-----	-----
8	SOLID GEAR KEY	1	333696	333706	333775	334564	334624
9	TIGEAR 2 LUBRICANT	1	334862	334862	334862	334862	334862 (2)
10	SOLID SPACER	2	333730	333731	333732	334565	334625
11	LHHCS PLAIN	2	333807	333807	333807	333807	333807
12-13	BEARING CUP/CONE ASSM	2	411626-01-A	335338	411626-01-R	335340	335344
14	BALL BEARING	1	334213	334214	334215	334216	334216
15	BALL BEARING	1	334221	334222	334223	334224	334225
16	TIG2 INPUT SEAL	1	334272	334272	334272	334274	334274
17	O-RING, NITRILE	1	334303	334303	334314	334314	334314
18	TIGEAR 2 NAMEPLATE	1	334305	334305	334305	334305	334305
19	MED LOCKWASHER	2	419009	419009	419009	419009	419009
20-22	SHIM KIT	1	411623-33-B	335330	411623-33-C	335331	335336
23	INTERNAL RET RING	2	278715	411637-02-AC	278717	51334	51335
24	EXTERNAL RET RING	1	411637-02-AP	411637-02-AR	411637-02-BA	334404	333933
25	SOLID GEAR ✤	1	-----	-----	-----	-----	-----
26	WORMSHAFT✤	1	-----	-----	-----	-----	-----
27	PIPE PLUG 1/4" SOC. (1)	2	411647-34-B	411647-34-B	411647-34-B	411647-34-B	411647-34-B
28	MED LOCKWASHER	4	275803	275855	275855	419036	419036
29	HEX HEAD CAP SCREW	4	51929	51952	51952	411483	411484
30	O/P SHAFT, SINGLE EXTN	1	333609	333610	333611	334554	334619
31	O/P RIBBED BORE PLUG	1	335608	335607	335614	335611	335612
32	TIG2 SEAL, OUTPUT	1	334273	334274	334275	334277	334278
33	KEY, OUTPUT	1	333695	333705	333716	333829	333829

(1) Size 400 & 475 uses qty 1

(2) Size 475 requires 266 oz. of lube. Order qty 2 (gal) **334862** & qty 1 (qt.) of **334863**.

✤ Contact DODGE Renewal Parts

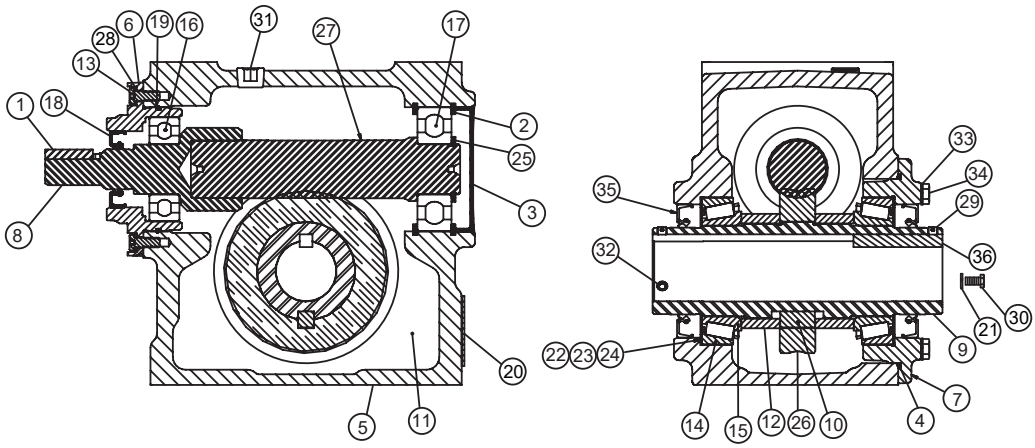
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RENEWAL PARTS

TIGEAR-2 With Separate Input / Hollow Output

Sizes 13 - 23



Ref No	Description	Qty	13	15	17	20	23
			Part Number	Part Number	Part Number	Part Number	Part Number
1	INPUT KEY	1	333830	333830	333831	333831	333831
2	INTERNAL RET RING	2	411637-02-AV	411637-02-AV	58256	58256	411637-01-A
3	I/P RIBBED BORE PLUG	1	335603	335603	335600	335600	335601
4	O-RING	1	276019	276019	276134	276355	334307
5	TIG2 HOLLOW GEARCASE	1	333218	333219	333220	333221	333222
6	T2 I/P BRG CARRIER	1	333245	333245	333246	333246	333249
7	T2 HOLLOW BRG HOUSING	1	333281	333281	333282	333283	333284
8	TIG2 SEP INPUT CPLG ✤	1	-----	-----	-----	-----	-----
9	HOLLOW OUTPUT SHAFT	1	333629	333629	333631	334789	333633
10	H/O GEAR KEY	1	333650	333650	333666	333671	333686
11	TIGEAR 2 LUBRICANT	1	334863	334863	334863	334863	334863
12	HOLLOW O/P SPACER	2	333733	333734	333735	333736	333737
13	LHHCS PLAIN	2	333808	333808	333808	333808	333807
14-15	BEARING CUP/CONE ASSM	2	411626-01-A	411626-01-A	335338	335339	335340
16	BALL BEARING	1	334211	334211	334212	334212	334213
17	BALL BEARING.	1	334218	334218	334219	334219	334220
18	INPUT SEAL	1	334270	334270	334271	334271	334272
19	O-RING, NITRILE	1	334300	334300	334300	334300	334303
20	TIGEAR 2 NAMEPLATE	1	334305	334305	334305	334305	334305
21	MED LOCKWASHER	2	419007	419007	419007	419007	419009
22-24	SHIM KIT	1	411623-33-B	411623-33-B	335330	411623-33-C	335331
25	EXTERNAL RET RING	1	411637-02-E	411637-02-E	411637-02-AY	411637-02-AY	411637-02-N
26	TIG2 WORMSHAFT ✤	1	-----	-----	-----	-----	-----
27	TIG2 HOLLOW GEAR ✤	1	-----	-----	-----	-----	-----
28	MED LOCKWASHER	2	419007	419007	419007	419007	419009
29	SET SCREW	2	400140	400140	400140	400140	400140
30	HEX HEAD CAP SCREW	2	58270	58270	333800	333800	51302
31	PIPE PLUG 1/4" SOC.	2	411647-34-B	411647-34-B	411647-34-B	411647-34-B	411647-34-B
32	SET SCREW	4	275953	275953	275953	275953	275953
33	MED LOCKWASHER	4	419009	419009	419010	419010	275803
34	HEX HEAD CAP SCREW	4	51302	51302	411405	411405	51929
35	OUTPUT SEAL T2	2	334273	334273	334274	334276	334277
36	OUTPUT KEY	1	333831	333831	333827	333827	333687

✤ Contact DODGE Renewal Parts

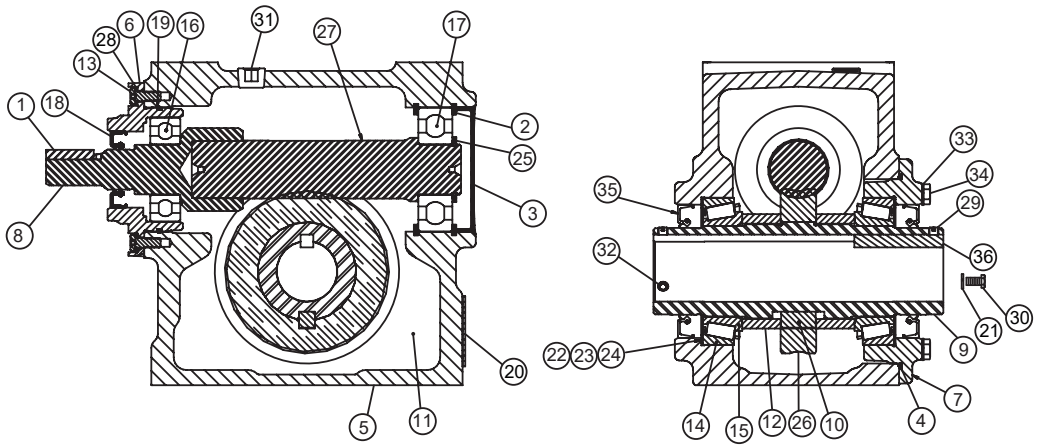
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RENEWAL PARTS

TIGEAR-2 With Separate Input / Hollow Output

Sizes 26 - 47



Ref No	Description	Qty	26	30	35	40	47
			Part Number	Part Number	Part Number	Part Number	Part Number
1	INPUT KEY	1	333831	333831	333826	334561	334561
2	INTERNAL RET RING	2	278715	411637-02-AC	278717	51334	51335
3	I/P RIBBED BORE PLUG	1	335609	335602	335604	335610	335613
4	O-RING	1	334302	334308	276358	334313	334315
5	TIG2 HOLLOW GEARCASE	1	333223	333224	333225	334507	334577
6	T2 I/P BRG CARRIER	1	333249	333250	333253	334508	334508
7	T2 HOLLOW BRG HOUSING	1	333285	333286	333287	334512	334582
8	TIG2 SEP INPUT CPLG ✤	1	-----	-----	-----	-----	-----
9	HOLLOW OUTPUT SHAFT	1	333634	333635	333636	334556	334621
10	H/O GEAR KEY	1	333670	333712	333717	334564	334624
11	TIGEAR 2 LUBRICANT	1	334862	334862	334862	334862	334862
12	HOLLOW O/P SPACER	2	333738	333739	333740	334566	334626
13	LHHCS PLAIN	2	333807	333807	333807	333807	333807
14-15	BEARING CUP/CONE ASSM	2	411626-01-BJ	335341	335341	335342	335343
16	BALL BEARING	1	334213	334214	334215	334216	334216
17	BALL BEARING.	1	334221	334222	334223	334224	334225
18	INPUT SEAL	1	334272	334272	334272	334274	334274
19	O-RING, NITRILE	1	334303	334303	334314	334314	334314
20	TIGEAR 2 NAMEPLATE	1	334305	334305	334305	334305	334305
21	MED LOCKWASHER	2	419009	419009	419009	419009	419009
22-24	SHIM KIT	1	335332	335333	335333	335334	335335
25	EXTERNAL RET RING	1	411637-02-AP	411637-02-AR	411637-02-BA	334404	333933
26	TIG2 WORMSHAFT ✤	1	-----	-----	-----	-----	-----
27	TIG2 HOLLOW GEAR ✤	1	-----	-----	-----	-----	-----
28	MED LOCKWASHER	2	419009	419009	419009	419009	419009
29	SET SCREW	2	400140	400140	400140	400140	275953
30	HEX HEAD CAP SCREW	2	51302	053204	411396	411396	411402
31	PIPE PLUG 1/4" SOC.	2	411647-34-B	411647-34-B	411647-34-B	411647-34-B	411647-34-B
32	SET SCREW	4	275962	275954	275954	333805	333805
33	MED LOCKWASHER	4	275803	275855	275855	419036	419036
34	HEX HEAD CAP SCREW	4	51929	51952	51952	411483	411483
35	OUTPUT SEAL T2	2	334278	334279	334279	334280	334281
36	OUTPUT KEY	1	333687	333709	333709	334563	334623

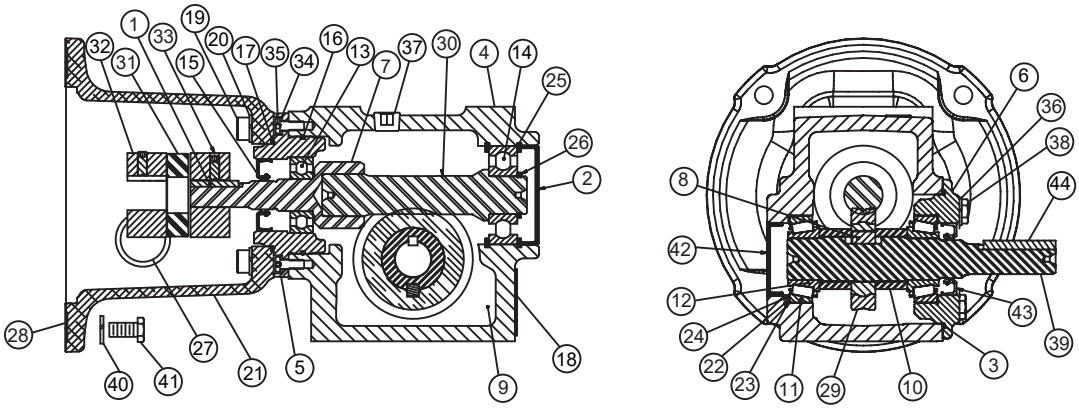
✤ Contact DODGE Renewal Parts

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RENEWAL PARTS

TIGEAR-2 With 3-Piece Coupled Input / Solid Output
Sizes 13 - 23



Ref No	Description	Qty	13	15	17	20	23
			Part Number	Part Number	Part Number	Part Number	Part Number
1	INPUT KEY	1	333831	333831	333831	333831	333831
2	INPUT BORE PLUG	1	335603	335603	335600	335600	335601
3	O-RING	1	276019	276019	276134	276355	334307
4	TIG2 SOLID GEARCASE	1	333210	333211	333212	333213	333214
5	T2 INPUT BRG CARRIER	1	333245	333245	333246	333246	333249
6	T2 SOLID BRG HSG	1	333265	333265	333266	333267	333268
7	TIG2 INPUT CPLG ✤	1	-----	-----	-----	-----	-----
8	SOLID GEAR KEY	1	333650	333661	333666	333671	333686
9	TIGEAR 2 LUBRICANT	7	334863	334863	334863	334863	334862
10	SOLID SPACER	2	333725	333726	333727	333728	333729
11-12	BEARING CUP/CONE ASSEMBLY	2	335337	335337	411626-01-C	411626-01-A	411626-01-A
13	BALL BRG. C3 CLRNC	1	334211	334211	334212	334212	334213
14	BALL BRG. C3 CLRNC	1	334218	334218	334219	334219	334220
15	TIG2 SEAL, INPUT	1	334270	hh	334271	334271	334272
16	O-RING, NITRILE	1	334300	334300	334300	334300	334303
17	O-RING, NITRILE	1	334304	334304	334304	334304	276355
18	NAMEPLATE T2	1	334305	334305	334305	334305	334305
19	CAP SCREW 56-140	4	417371	417371	417371	417371	417111
	SOCKET HEAD CAP SCR 180-210	1	-----	-----	-----	-----	-----
20	MED LOCKWASHER	4	419010	419010	419010	419010	275803
21	MOTOR ADAPTER 56-140	1	333236	333236	333236	333236	333237
	MOTOR ADAPTER	1	-----	-----	-----	-----	334683
22-24	SHIM KIT	1	411642-46-E	411642-46-E	411623-33-A	411623-33-B	411623-33-B
25	INT RING	2	411637-02-AV	411637-02-AV	58256	58256	411637-01-A
26	EXT RING	1	411637-02-E	411637-02-E	411637-02-AY	411637-02-AY	411637-02-N
27	DUST CAP 1" HOLE	1	411709-65-H	411709-65-H	411709-65-H	411709-65-H	411709-65-H
28	56/140 MTR ADPT GASKET	1	602028-43-F	602028-43-F	602028-43-F	602028-43-F	602028-43-F
	MOTOR ADPT GASKET 180-210	1	-----	-----	-----	-----	276335

✤ Contact DODGE Renewal Parts

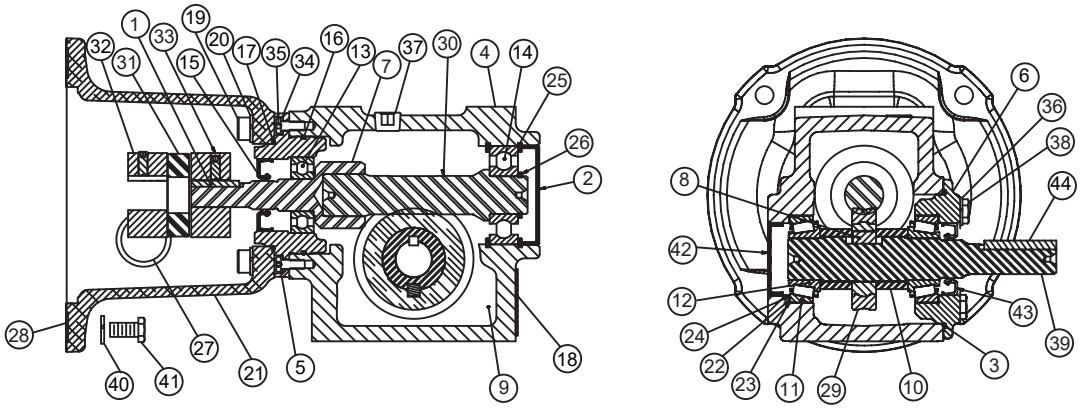
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RENEWAL PARTS

TIGEAR-2 With 3-Piece Coupled Input / Solid Output

Sizes 13 - 23



Ref No	Description	Qty	13	15	17	20	23
			Part Number	Part Number	Part Number	Part Number	Part Number
29	TIG2 SOLID GEAR ✤	1	-----	-----	-----	-----	-----
30	TIG2 WORMSHAFT ✤	1	-----	-----	-----	-----	-----
31	COUPLING SPIDER 56 MTR	1	278911	278911	278911	278911	278911
	COUPLING SPIDER 140 MTR	1	-----	-----	278912	278912	278912
	COUPLING SPIDER 180 MTR	1	-----	-----	-----	-----	275794
32	5/8 COUPLING, 56 MOTOR	1	278900	278900	278900	278900	278900
	7/8 COUPLING, 140 MOTOR	1	-----	-----	276169	276169	276169
	1-1/8 COUPLING, 180 MOTOR	1	-----	-----	-----	-----	278907
33	COUPLING HUB, REDUCER 56	1	334309	334309	278900	278900	278901
	COUPLING HUB, REDUCER 140	1	-----	-----	334306	334306	276169
	COUPLING HUB, REDUCER 180	1	-----	-----	-----	-----	275806
34	MED LOCKWASHER	2	419007	419007	419007	419007	419009
35	LHHCS PLAIN	2	333808	333808	333808	333808	333807
36	MED LOCKWASHER	4	419009	419009	419010	419010	275803
37	"PIPE PLUG 1/4" SOC.	2	411647-34-B	411647-34-B	411647-34-B	411647-34-B	411647-34-B
38	HEX HEAD CAP SCREW	4	51302	51302	411405	411405	51929
39	T2 SGL SOLID OUTPUT SHAFT	1	333604	333605	333606	333607	333608
40	LOCK WASHER 56-140	4	275803	275803	275803	275803	275803
41	3/8-16 X 1 HHCS PLN ZC 56-140	4	51929	51929	51929	51929	51929
	SOC HD CAP SCREW 180	4	-----	-----	-----	-----	411631-63-A
42	OUTPUT BORE PLUG	1	335605	335605	335606	335608	335608
43	TIG2 SEAL, OUTPUT	1	334271	334271	334272	334273	334273
44	KEY, OUTPUT SHAFT	1	333665	333660	333665	333827	333685

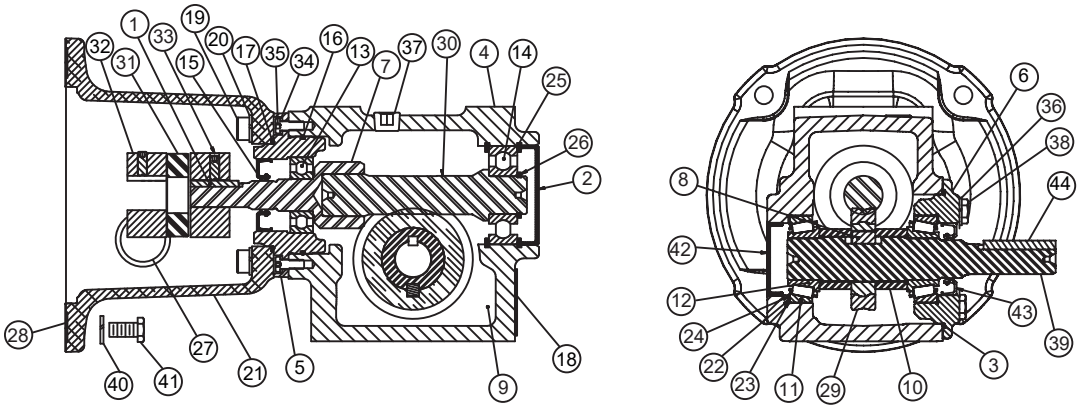
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RENEWAL PARTS

TIGEAR-2 With 3-Piece Coupled Input / Solid Output
Sizes 26 - 47



Ref No	Description	Qty	26	30	35	40	47
			Part Number	Part Number	Part Number	Part Number	Part Number
1	INPUT KEY	1	333831	333831	333826	334561	334561
2	INPUT BORE PLUG	1	335609	335602	335604	335610	335613
3	O-RING	1	334302	334308	276358	334313	334315
4	TIG2 SOLID GEARCASE	1	333215	333216	333217	334506	334576
5	T2 INPUT BRG CARRIER	1	333249	333250	333253	334508	334508
6	T2 SOLID BRG HSG	1	333269	333270	333271	334510	334580
7	TIG2 INPUT CPLG ✤	1	-----	-----	-----	-----	-----
8	SOLID GEAR KEY	1	333696	333706	333775	334564	334624
9	TIGEAR 2 LUBRICANT	7	334862	334862	334862	334862	334862
10	SOLID SPACER	2	333730	333731	333732	334565	334625
11-12	BEARING CUP/CONE ASSEMBLY	2	411626-01-A	335338	411626-01-R	335340	335344
13	BALL BRG. C3 CLRNC	1	334213	334214	334215	334216	334216
14	BALL BRG. C3 CLRNC	1	334221	334222	334223	334224	334225
15	TIG2 SEAL, INPUT	1	334272	334272	334272	334274	334274
16	O-RING, NITRILE	1	334303	334303	334314	334314	334314
17	O-RING, NITRILE	1	276355	276355	276355	276355	276355
18	NAMEPLATE T2	1	334305	334305	334305	334305	334305
19	CAP SCREW 56-140	4	417111	417111	334895	-----	-----
	SOCKET HEAD CAP SCR 180-210	1	-----	-----	334373	334373	334373
20	MED LOCKWASHER	4	275803	275803	275855	333783	333783
21	MOTOR ADAPTER 56-140	1	333237	333237	334757	-----	-----
	MOTOR ADAPTER 180	1	334683	334683	333239	333239	333239
	MOTOR ADPT PLT-BOLT ON 210 (2)	1	-----	-----	334571	334571	334571
	MOTOR ADPT PLT-BOLT ON 250 (2)	1	-----	-----	-----	334570	334570
22-24	SHIM KIT	1	411623-33-B	335330	411623-33-C	335331	335336
25	INT RING	2	278715	411637-02-AC	278717	51334	51335
26	EXT RING	1	411637-02-AP	411637-02-AR	411637-02-BA	334404	333933
27	DUST CAP 1" HOLE	1	411709-65-H	411709-65-H	411709-65-H	411709-65-H	411709-65-H
28	56/140 MTR ADPT GASKET	1	602028-43-F	602028-43-F	602028-43-F	-----	-----
	MOTOR ADPT GASKET 180-210	1	276335	276335	276335	276335	276335

(2) Adapter plate bolts onto 180 adapter **334683**.

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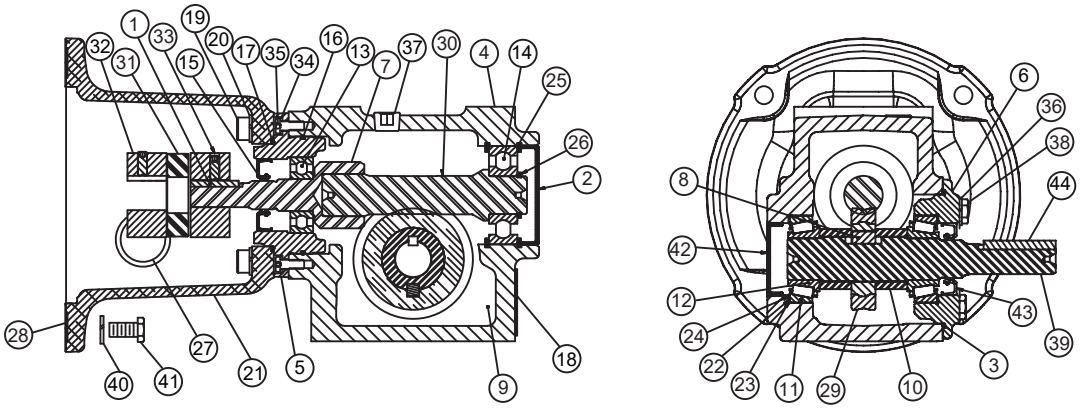
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RENEWAL PARTS

TIGEAR-2 With 3-Piece Coupled Input / Solid Output

Sizes 26 - 47



Ref No	Description	Qty	26	30	35	40	47
			Part Number	Part Number	Part Number	Part Number	Part Number
29	TIG2 SOLID GEAR ✤	1	-----	-----	-----	-----	-----
30	TIG2 WORMSHAFT ✤	1	-----	-----	-----	-----	-----
31	COUPLING SPIDER 56 MTR	1	278911	278911	278912	-----	-----
	COUPLING SPIDER 140 MTR	1	278912	278912	278912	-----	-----
	COUPLING SPIDER 180 MTR	1	275794	275794	275794	275794	275794
	COUPLING SPIDER 210-250 MTR	1	-----	-----	334291	334291	334291
32	5/8 COUPLING, 56 MOTOR	1	278900	278900	334292	-----	-----
	7/8 COUPLING, 140 MOTOR	1	276169	276169	276169	-----	-----
	1-1/8 COUPLING, 180 MOTOR	1	278907	278907	278907	278907	278907
	1-3/8 COUPLING, 210 MOTOR	1	-----	-----	334286	334286	334286
	1-3/8 COUPLING, 250 MOTOR	1	-----	-----	-----	334288	334288
33	COUPLING HUB, REDUCER 56	1	278901	278901	276169	-----	-----
	COUPLING HUB, REDUCER 140	1	276169	276169	276169	-----	-----
	COUPLING HUB, REDUCER 180	1	275806	275806	275806	278907	278907
	COUPLING HUB, REDUCER 210-250	1	-----	-----	334285	334290	334290
34	MED LOCKWASHER	2	419009	419009	419009	419009	419009
35	LHHCS PLAIN	2	333807	333807	333807	333807	333807
36	MED LOCKWASHER	4	275803	275855	275855	419036	419036
37	PIPE PLUG 1/4" SOC.	2	411647-34-B	411647-34-B	411647-34-B	411647-34-B	411647-34-B
38	HEX HEAD CAP SCREW	4	51929	51952	51952	411483	411484
39	T2 SGL SOLID OUTPUT SHAFT	1	333609	333610	333611	334554	334619
40	LOCK WASHER 56-140	4	275803	275803	275803	-----	-----
	LOCK WASHER 210-250	4	-----	-----	275853	275853	275853
41	3/8-16 X 1 HHCS PLN ZC 56-140	4	51929	51929	51929	-----	-----
	SOC HD CAP SCREW 180	4	41163158X	41163158X	334900	334900	334900
	HEX HD CAP SCREW 210	4	-----	-----	334902	334902	334902
	HEX HD CAP SCREW 250	4	-----	-----	-----	334901	334901
42	OUTPUT BORE PLUG	1	335608	335607	335614	335611	335612
43	TIG2 SEAL, OUTPUT	1	334273	334274	334275	334277	334278
44	KEY, OUTPUT SHAFT	1	333695	333705	333716	333829	333829

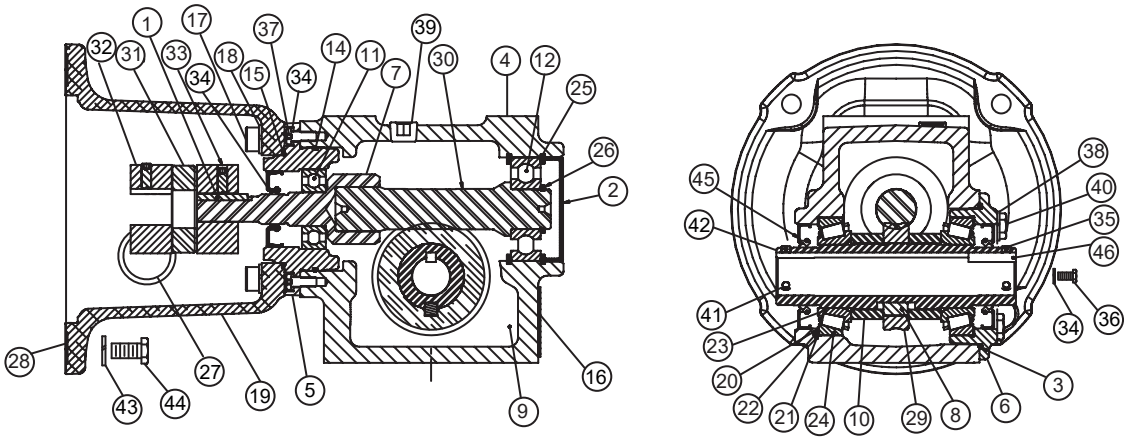
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RENEWAL PARTS

TIGEAR-2 With 3-Piece Coupled Input / Hollow Output
Sizes 13 - 23



Ref No	Description	Qty	13	15	17	20	23
			Part Number	Part Number	Part Number	Part Number	Part Number
1	INPUT KEY	1	333830	333830	333831	333831	333831
2	INPUT BORE PLUG	1	335603	335603	335600	335600	335601
3	O-RING	1	276019	276019	276134	276355	334307
4	TIG2 HOLLOW GEARCASE	1	333218	333219	333220	333221	333222
5	T2 I/P BRG CARRIER	1	333245	333245	333246	333246	333249
6	T2 HOLLOW BRG HOUSING	1	333281	333281	333282	333283	333284
7	TIG2 SEP INPUT CPLG ✤	1	-----	-----	-----	-----	-----
8	GEAR KEY	1	333650	333650	333666	333671	333686
9	TIGEAR 2 LUBRICANT	1	334863	334863	334863	334863	334863
10	TIG2 HOLLW O/P SPACER	2	333733	333734	333735	333736	333737
11	BALL BEARING	1	334211	334211	334212	334212	334213
12	BALL BEARING	1	334218	334218	334219	334219	334220
13	TIG2 SEAL, INPUT	1	334270	334270	334271	334271	334272
14	O-RING, NITRILE	1	334300	334300	334300	334300	334303
15	O-RING, NITRILE	1	334304	334304	334304	334304	276355
16	NAMEPLATE T2	1	334305	334305	334305	334305	334305
17	CAD PLTD SCREW 56-140	4	417371	417371	417371	417371	417111
	CAD PLTD SCREW 180-210-250	4	-----	-----	-----	-----	-----
18	MED LOCKWASHER	4	419010	419010	419010	419010	275803
19	T2 ADPT. M. ADPTR 56-140	1	333236	333236	333236	333236	333237
	MOTOR ADAPTER 180	1	-----	-----	-----	-----	334683
20-22	SHIM KIT	1	411623-33-B	411623-33-B	335330	411623-33-C	335331
23-24	BEARING CUP/CONE ASSEMBLY	2	411626-01-A	411626-01-A	335338	335339	335340
25	INT RING	2	411637-02-AV	411637-02-AV	58256	58256	411637-01-A
26	EXT RING	1	411637-02-E	411637-02-E	411637-02-AY	411637-02-AY	411637-02-N
27	DUST CAP 1" HOLE	1	411709-65-Q	411709-65-Q	411709-65-Q	411709-65-Q	411709-65-Q
28	56/140 M/A. GASKET	1	602028-43-F	602028-43-F	602028-43-F	602028-43-F	602028-43-F
	MOTOR GASKET 180-210	1	-----	-----	-----	-----	276335
29	TIG2 HOLLOW GEAR ✤	1	-----	-----	-----	-----	-----
30	TIG2 WORMSHAFT ✤	1	-----	-----	-----	-----	-----

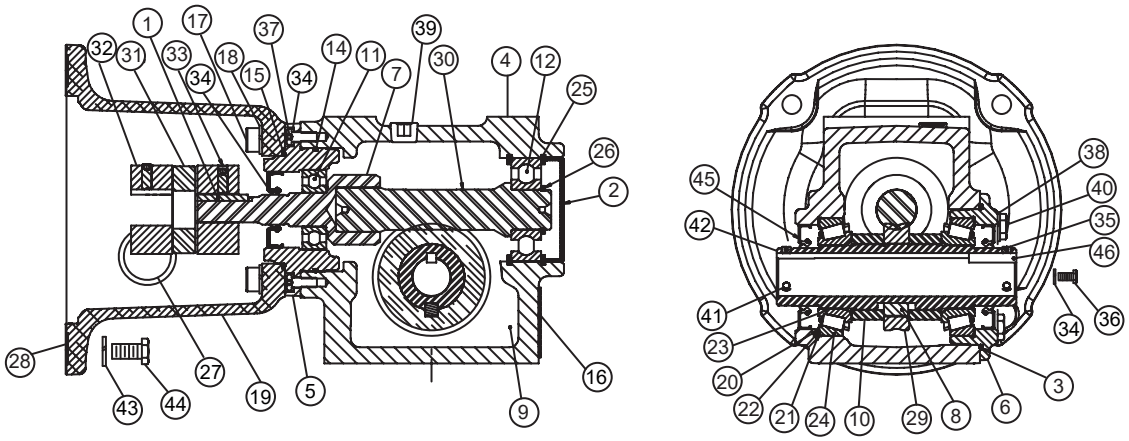
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RENEWAL PARTS

TIGEAR-2 With 3-Piece Coupled Input / Hollow Output
Sizes 13 - 23



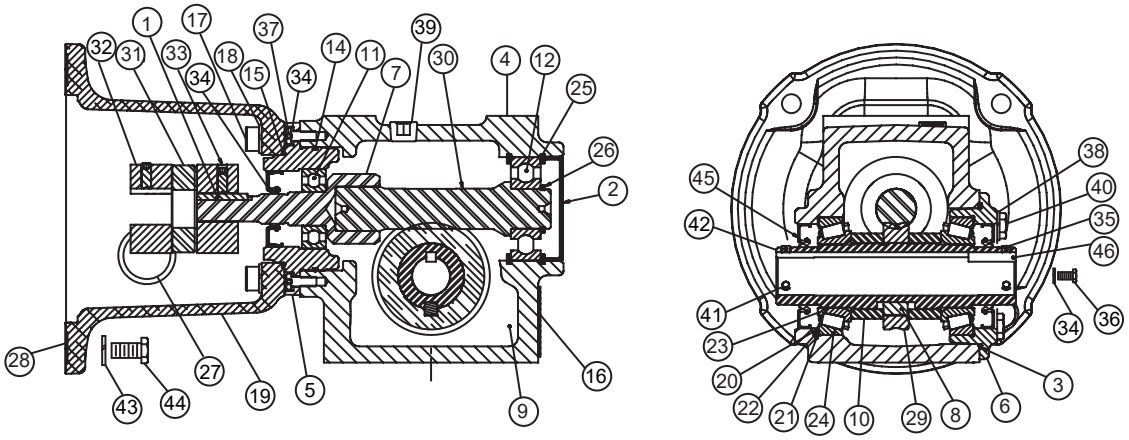
Ref No	Description	Qty	13	15	17	20	23
			Part Number	Part Number	Part Number	Part Number	Part Number
31	SPIDER 56C	1	278911	278911	278911	278911	278911
	SPIDER 140TC	1	335603	335603	335600	335600	335601
	SPIDER 180TC	1	-----	-----	-----	-----	275794
32	5/8 COUPLING HUB-MOTOR 56C	1	278900	278900	278900	278900	278900
	7/8 COUPLING HUB-MOTOR 140TC	1	-----	-----	276169	276169	276169
	1-1/8 COUPLING HUB-MTR 180TC	1	-----	-----	-----	-----	278907
33	COUPLING - REDUCER 56C	1	334309	334309	278900	278900	278901
	COUPLING - REDUCER 140TC	1	-----	-----	334306	334306	276169
	COUPLING - REDUCER 180TC	1	-----	-----	-----	-----	275806
34	MED LOCKWASHER	4	419007	419007	419007	419007	419009
35	SET SCREW	2	400140	400140	400140	400140	400140
36	HHCS GR5 ZC	2	58270	58270	333800	333800	51302
37	LHHCS PLAIN	2	333808	333808	333808	333808	333807
38	MED LOCKWASHER	4	419009	419009	419010	419010	275803
39	"PIPE PLUG 1/4" SOC.	2	411647-34-B	411647-34-B	411647-34-B	411647-34-B	411647-34-B
40	HEX HEAD CAP SCREW	4	51302	51302	411405	411405	51929
41	SET SCREW	4	275953	275953	275953	275953	275953
42	HOLLOW OUTPUT SHAFT	1	333629	333629	333631	334789	333633
43	LOCK WASHER 56-140	4	275803	275803	275803	275803	275803
44	3/8-16 X 1 HHCS PLN ZC 56-140	4	51929	51929	51929	51929	51929
	SOCKET HEAD CAP SCR 180	4	-----	-----	-----	-----	41163158X
45	SEAL TIGEAR 2, OUTPUT	2	334273	334273	334274	334276	334277
46	OUTPUT KEY	2	333831	333831	334897	333827	333687

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RENEWAL PARTS

TIGEAR-2 With 3-Piece Coupled Input / Hollow Output
Sizes 26 - 47



Ref No	Description	Qty	26	30	35	40	47
			Part Number	Part Number	Part Number	Part Number	Part Number
1	INPUT KEY	1	333831	333831	333826	334561	334561
2	INPUT BORE PLUG	1	335609	335602	335604	335610	335613
3	O-RING	1	334302	334308	276358	334313	334315
4	TIG2 HOLLOW GEARCASE	1	333223	333224	333225	334507	334577
5	T2 I/P BRG CARRIER	1	333249	333250	333253	334508	334508
6	T2 HOLLOW BRG HOUSING	1	333285	333286	333287	334512	334582
7	TIG2 SEP INPUT CPLG ✤	1	-----	-----	-----	-----	-----
8	GEAR KEY	1	333670	333712	333717	334564	334624
9	TIGEAR 2 LUBRICANT	1	334862	334862	334862	334862	334862
10	TIG2 HOLLW O/P SPACER	2	333738	333739	333740	334566	334626
11	BALL BEARING	1	334213	334214	334215	334216	334216
12	BALL BEARING	1	334221	334222	334223	334224	334225
13	TIG2 SEAL, INPUT	1	334272	334272	334272	334274	334274
14	O-RING, NITRILE	1	334303	334303	334314	334314	334314
15	O-RING, NITRILE	1	276355	276355	276355	276355	276355
16	NAMEPLATE T2	1	334305	334305	334305	334305	334305
17	CAD PLTD SCREW 56-140	4	417111	417111	334895	-----	-----
	CAD PLTD SCREW 180-210-250	4	-----	-----	334373	334373	334373
18	MED LOCKWASHER	4	275803	275803	275855	333783	333783
19	T2 ADPT. M. ADPTR 56-140	1	333237	333237	334757	-----	-----
	MOTOR ADPT PLT 180	1	334683	334683	333239	333239	333239
	MTR ADPT PLT-BOLT ON 210 (2)	1	-----	-----	334571	334571	334571
	MTR ADPT PLT-BOLT ON 250 (2)	1	-----	-----	-----	334570	334570
20-22	SHIM KIT	1	335332	335333	335333	335334	335335
23-24	BEARING CUP/CONE ASSEMBLY	2	41162601BJ	335341	335341	335342	335343
25	INT RING	2	278715	411637-02-AC	278717	51334	51335
26	EXT RING	1	411637-02-AP	411637-02-AR	411637-02-BA	334404	333933
27	DUST CAP 1" HOLE	1	411709-65-Q	411709-65-Q	411709-65-Q	411709-65-Q	411709-65-Q
28	56/140 M/A. GASKET	1	602028-43-F	602028-43-F	602028-43-F	-----	-----
	MOTOR GASKET 180-210	1	276335	276335	276335	276335	276335
29	TIG2 HOLLOW GEAR ✤	1	-----	-----	-----	-----	-----
30	TIG2 WORMSHAFT ✤	1	-----	-----	-----	-----	-----

(2) Adpt plate bolts onto 180 adpt **333239**.

✤ Contact DODGE Renewal Parts

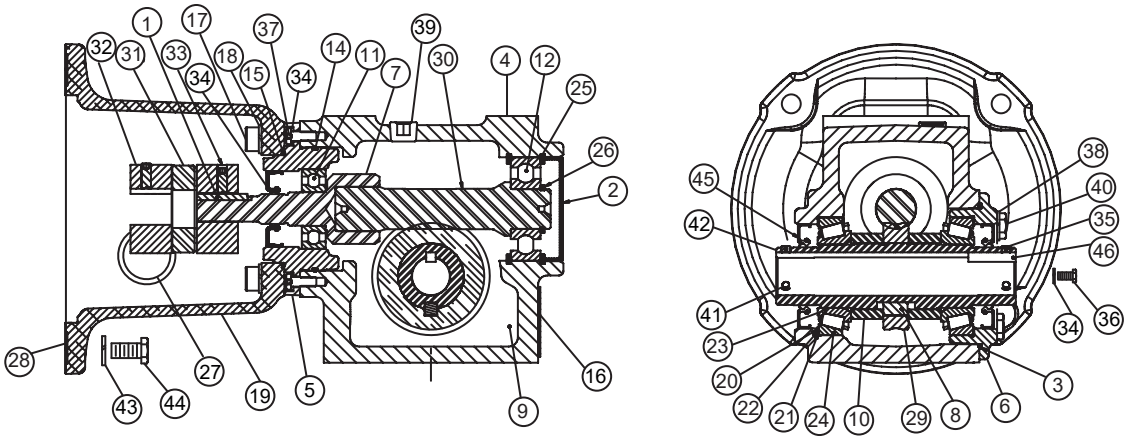
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RENEWAL PARTS

TIGEAR-2 With 3-Piece Coupled Input / Hollow Output

Sizes 26 - 47



Ref No	Description	Qty	26	30	35	40	47
			Part Number	Part Number	Part Number	Part Number	Part Number
31	SPIDER 56C	1	278911	278911	-----	-----	-----
	SPIDER 140TC	1	278912	278912	278912	278907	-----
	SPIDER 180TC	1	275794	275794	275794	275794	275794
	SPIDER 210-250	1	-----	-----	334291	334291	334291
32	5/8 COUPLING HUB-MOTOR 56C	1	278900	278900	-----	-----	-----
	7/8 COUPLING HUB-MOTOR 140TC	1	276169	276169	276169	-----	-----
	1-1/8 COUPLING HUB-MTR 180TC	1	278907	278907	278907	278907	278907
	1-3/8 COUPLING HUB-MTR 210TC	1	-----	-----	334286	334286	334286
	1-5/8 COUPLING HUB-MTR 250TC	1	-----	-----	-----	334288	334288
33	COUPLING - REDUCER 56C	1	278901	278901	-----	-----	-----
	COUPLING - REDUCER 140TC	1	276169	276169	276169	-----	-----
	COUPLING - REDUCER 180TC	1	275806	275806	275806	278907	278907
	COUPLING - REDUCER 210-250	1	-----	-----	334285	334290	334290
34	MED LOCKWASHER	4	419009	419009	419009	419009	419009
35	SET SCREW	2	400140	400140	400140	400140	275953
36	HHCS GR5 ZC	2	51302	053204	411396	411396	411402
37	LHHCS PLAIN	2	333807	333807	333807	333807	333807
38	MED LOCKWASHER	4	275803	275855	275855	419036	419036
39	PIPE PLUG 1/4"SOC.	2	411631-58-X	411647-34-B	334900	334900	334900
40	HEX HEAD CAP SCREW	4	51929	51952	51952	411483	411484
41	SET SCREW	4	275962	275954	275954	333805	333805
42	HOLLOW OUTPUT SHAFT	1	333634	333635	333636	334556	334621
43	LOCK WASHER 56-140	4	275803	275803	275803	-----	-----
	LOCK WASHER 210	4	-----	-----	275853	275853	275853
	LOCK WASHER 250	4	-----	-----	-----	275853	275853
44	3/8-16 X 1 HHCS PLN ZC 56-140	4	51929	51929	51929	-----	-----
	SOCKET HEAD CAP SCR 180	4	41163158X	41163158X	334900	334900	334900
	HEX HD CAP SCREW 210	4	-----	-----	334902	334902	334902
	HEX HD CAP SCREW 250	4	-----	-----	-----	334901	334901
45	SEAL TIGEAR 2, OUTPUT	2	334278	334279	334279	334280	334281
46	OUTPUT KEY	2	333687	333709	333709	334563	334623

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