



Catalog

# Metric Torque-Arm<sup>®</sup> II

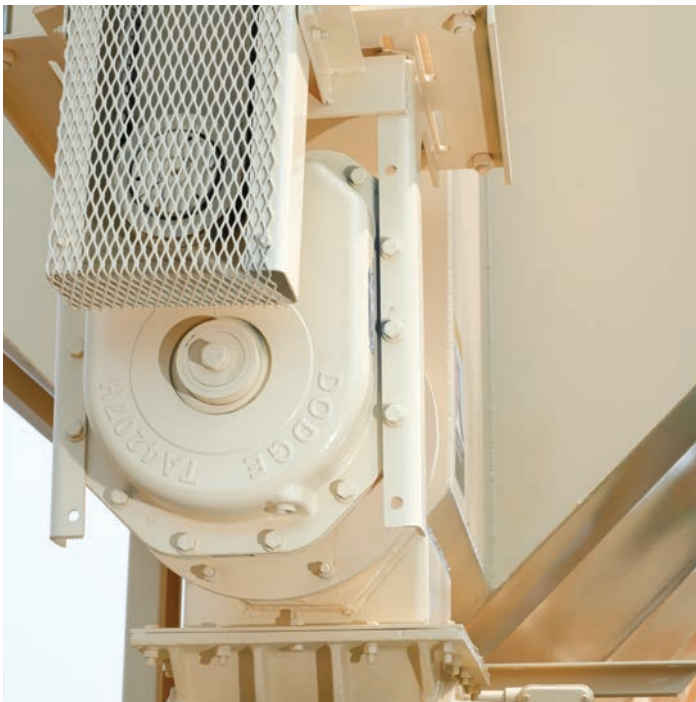
## Technical catalog



Power and productivity  
for a better world™



We provide motors, generators and mechanical power transmission products, services and expertise to save energy and improve customers' processes over the total lifecycle of our products, and beyond.



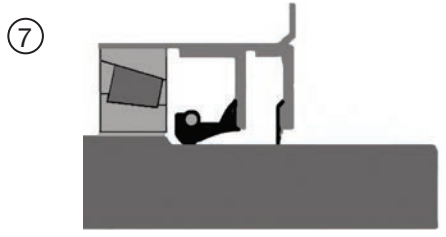
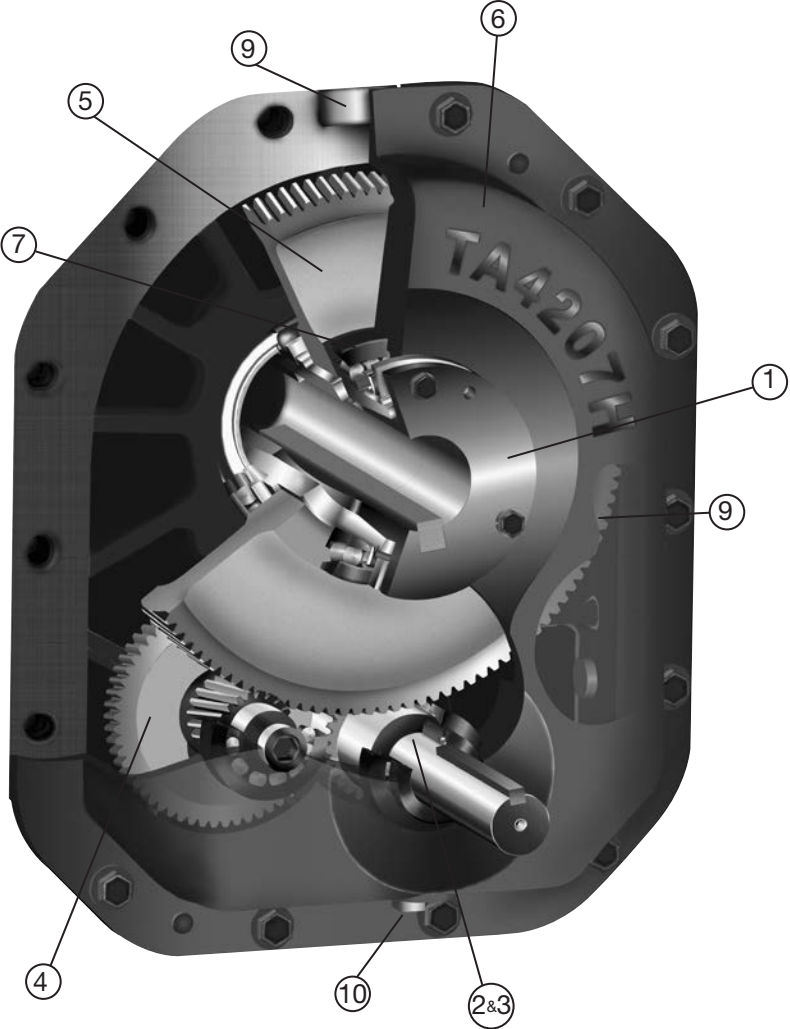
# Metric Torque-Arm® II

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# Metric Torque-Arm® II

Features/benefits



# Metric Torque-Arm® II

## Features/benefits

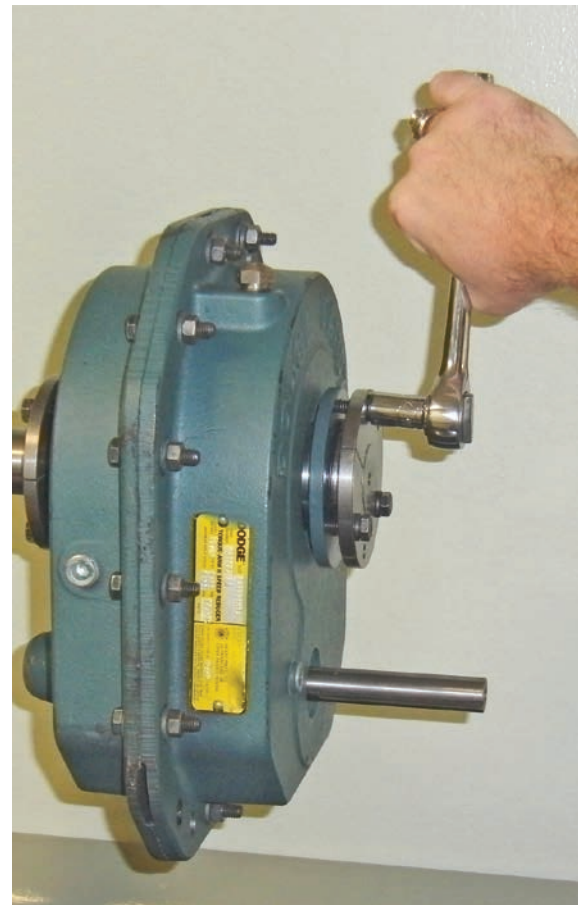
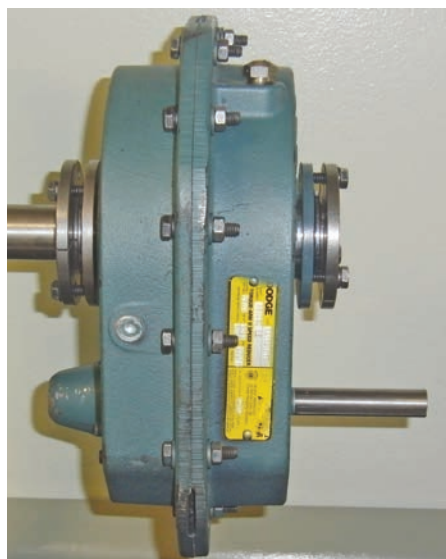
1. Dodge Torque-Arm II offers two types of mounting systems
  - a. Twin Tapered bushings for concentric grip and easy installation and removal (\*A)
  - b. Straight bore style for maximum bore capacity
2. Torque-Arm II utilizes heavy duty tapered roller bearings throughout the gearbox where competitive designs use normal duty ball bearings
3. Torque-Arm II is designed to the AGMA standard and provides a minimum average bearing life (L-50) of 25,000 hours at a 1.0 service factor even in the most severe load conditions. This is usually twice the bearing life found in competitive reducers that do not adhere to the AGMA design standard.
4. Extended gear centers and increased gear tooth contact provide dramatically increased torque and power ratings. Standard TAIL gear ratios are 5, 9, 15, 25 and 40:1.
5. Proven, case-carburized gear design ensures high efficiency and a 200% overload starting capacity at a 1.0 service factor.
6. Modular construction enables the user to adapt a single reducer for use in shaft mount, screw conveyor, vertical and flange mounted applications.
7. A unique, dual protection sealing system on all shafts consists of a metal reinforced, double-lip, spring loaded oil seal that is protected by an external labyrinth metal shield and excluder lip auxiliary seal
8. Primary oil seal lips use a premium material that has an operating temperature range of -40°C to +150°C. The TAIL seals provide 5-6 times the wear resistance of industry standard nitrile seals and have excellent compatibility with both mineral and synthetic lubricants
9. The 100% cast iron housing is equipped with 3 pry slots for easy access during repairs. The housing design eliminates bearing cap leak paths and maximizes surface area for greater heat dissipation
10. A magnetic drain plug and a unique, filtered air breather are standard.

\*A - Dodge twin taper bushing systems (see pictures) provide full concentric grip on the shaft on both sides of the reducer.

This eliminates hub/shaft contact and helps eliminate fretting corrosion that can be found in applications that use a straight bore or single bushing type reducer.

This also helps eliminate vibration from the system that can sometimes be caused by reducers that are mounted using a single bushing system.

The Dodge Twin Tapered Bushing kits require no special tools to install or remove.



# Metric Torque-Arm® II

## Features/benefits

### Modular Accessories



New Modular motor mount can be adjusted up, down or mounted on the side depending on the customer's requirements



New CEMA bolt-on adapter and shafts are engineered to CEMA dimensions. Adapter features double-lip seals on both sealing surfaces.



New bolt-on belt guard requires no drilling or straps



New TA rod kit with brackets for universal mounting



New Backstop with a centrifugal throw-out design eliminates sprag sliding and reduces wear; it operates with standard and EP lubricants

# Metric Torque-Arm® II

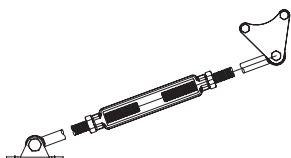
## Features/benefits

### Nomenclature - Basic Torque-Arm II Reducer TA1107H25M

#### Shaft Mounted Reducer Drive Accessories

#### TA1107RA

TA1107 rod assembly



#### TA1107H25M

TA - Torque-Arm II shaft mount reducer

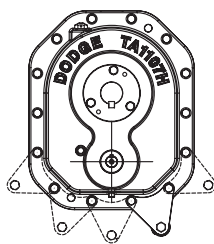
1 - Case size 1

107 - AGMA code reference & traditional bore size

H - Heavy duty ratings & extended bore size

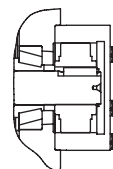
25 - Normal reducer ratio

M - Metric



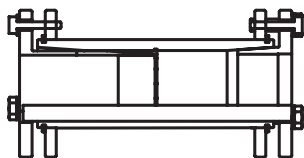
#### TA1107BS

Backstop assembly



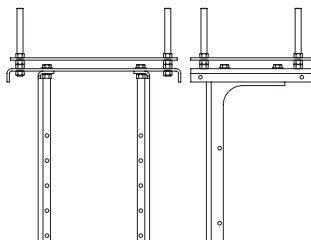
#### TA1107MTBS x 35

TA1107MTBS x 35 twin tapered bushing kit for short driven Shaft



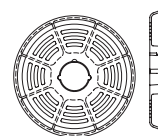
#### TA1107MM

TA1107MM motor mount assembly



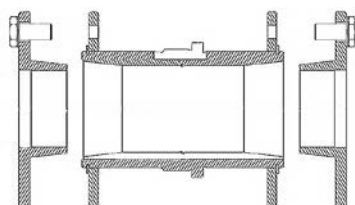
#### TA4207CF

Cooling fan assembly



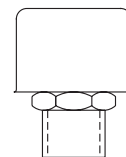
#### TA 1107MTB x 35

TA1107MTB x 35 twin tapered bushing kit for standard driven shaft



#### TA1-4 FB Kit

Filter breather kit



# Metric Torque-Arm® II

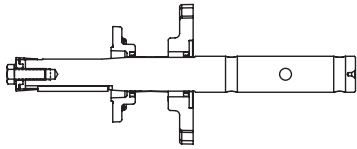
## Nomenclature

### Basic Torque-Arm II Reducer TA1107H25M

#### Screw Conveyor Drive Accessories

##### TA1107SCA

TA1107SCA Screw Conveyor  
Standard Adapter & Hardware Kit  
(does not include shaft)



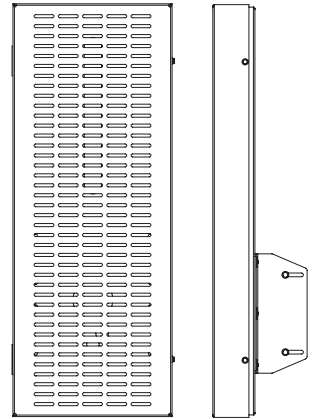
##### TA1107SCS x 1-7/16

TA1107SCS Screw Conveyor Drive  
Shaft x 1-7/16" Diameter



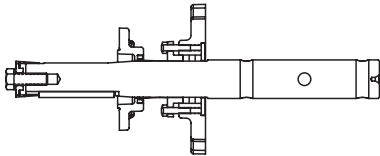
##### TA1107BG

TA1107BG Belt Guard



##### TA1107SCP Kit

TA1107SCP Screw Conveyor  
Adjustable Packing Kit  
(does not include shaft or adapter)





# Metric Torque-Arm® II

## Easy selection

### Shaft Mounted Speed Reducers

#### Selection

The ratings on page 10 for TAIL Shaft Mount reducers are for electric motor selections up to 434 kW with output speeds up to 400 RPM. For extreme shock or high energy loads which must be absorbed, as when stalling, for a power source other than an electric motor, or for extreme ambient temperature or over-sized equipment, consult Dodge Application Engineering.

#### Selection procedure

##### 1. Service Factor

From Table 1 select the service factor application to the drive

##### 2. Design Power

Multiply the absorbed power (or motor power if absorbed power not known) by the service factor chosen in step 1.

#### NOTE:

Gear units are momentarily capable of transmitting twice (2x) the rated capacity on start or during operation.

##### 3. Unit Selection

Using the value from step 2 refer to the power rating table on page 8 and select the correct size of unit.

The choice of single or double reduction gearbox will be determined by the output speed required. For the normal operating speeds for each of the gearboxes, see page 10 (power ratings).

##### 4. Hollow Shaft Bore and Driven Shaft

Compare hollow shaft bore with the size of the driven shaft. All of the Dodge TA II Taper Bushed reducers require bushings to mount reducer to driven shaft. Refer to page 15 for available bushings or bores.

##### 5. Check Thermal Ratings

Compare the absorbed or motor power from step 2 with the thermal power ratings from page 38 and 39 checking whether a cooling fan is required. If the application does not permit (or the customer does not want to use) a cooling fan, select a bigger size.

##### 6. Check Dimensions

See page 12 for reducer dimensions, page 17 for weights & part numbers, and Torque-Arm Rod mounting positions. See page 45 for reducer mounting positions.

##### 7. Select a Belt Drive Arrangement

The reducer sheave P.D., Pitch Diameter, should not be smaller than the minimum sheave diameter shown on page 32. Note: Mount the sheave as close as possible to the reducer to

minimize the effect of overhung load on the reducer. See DODGE Drives Components Catalogue (CA4000) to select sheaves, bushings and belts for the appropriate belt drive.

##### 8. Select Accessories

See page 7 and 15 for Description and Part Numbers of: Rod Assembly, Bushing Kit, Motor Mount, Cooling Fan, Backstop Assembly, Belt Guard, Screw Conveyor Adapter, Filter Breather, Drive Shaft, Adjustable Packing Kit, Vertical Breather Kit.

**Table 1 - Service factors**

| Type of Driven Machine   | Operational hours per day             |          |         |
|--|---------------------------------------|----------|---------|
|  | Under 10                              | 10 to 16 | Over 16 |
| <b>Uniform</b><br>Agitators And Mixers - Liquid or Semi-liquid<br>Blowers - Centrifugal<br>Bottling Machines<br>Conveyors And Elevators - Uniformly Loaded<br>Cookers<br>Laundry Washing Machines - Non Reversing<br>Line Shafts<br>Pumps - Centrifugal and Gear<br>Wire Drawing Machines                                      | 1,0                                   | 1,12     | 1,25    |
| <b>Moderate Shock</b><br>Agitators And Mixers - Variable Density<br>Conveyors - Not Uniformly Loaded<br>Drawbench<br>Feeders - Pulsating Load<br>Kilns<br>Laundry Tumblers<br>Piston Pumps - With 3 or More Cylinders<br>Pulp And Paper Making Machinery<br>Rubber Mixers And Calendars<br>Rotary Screens<br>Textile Machinery | 1,25                                  | 1,4      | 1,6     |
| <b>Heavy Shock</b><br>Brick Presses<br>Briquetting Machines<br>Conveyors - Reciprocating and Shaker<br>Crushers<br>Feeders - Reciprocating<br>Hammer Mills<br>Piston Pumps - 1 or 2 Cylinders<br>Rubber Masticators<br>Vibrating Machines  | 1,6                                   | 1,8      | 2,0     |
| Cranes - Travel Motion and Hoisting<br>Hoists<br>Lifts   | Consult DODGE Application Engineering |          |         |

# Metric Torque-Arm® II

## Easy selection

### Mechanical Power Ratings (kW)\*

| Output RPM          | TA0107L | TA1107H | TA2115H | TA3203H | TA4207H | TA5215H | TA6307H | TA7315H | TA8407H | TA9415H | TA10507H | TA12608H |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|
| <b>31:1 to 40:1</b> |         |         |         |         |         |         |         |         |         |         |          |          |
| 10                  | 0.50    | 0.91    | 1.45    | 2.21    | 3.71    | 5.89    | 8.46    | 12.7    | 17.9    | 24.2    | 35.2     | 42.6     |
| 20                  | 0.96    | 1.74    | 2.87    | 4.42    | 7.32    | 11.8    | 16.1    | 24.1    | 34.5    | 48.4    | 66.9     | 85.3     |
| 30                  | 1.39    | 2.52    | 4.27    | 6.62    | 10.5    | 17.4    | 23.5    | 35.1    | 50.1    | 70.9    | 97.3     | 128      |
| 40                  | 1.81    | 3.28    | 5.65    | 8.74    | 13.4    | 22.7    | 30.6    | 45.7    | 65.3    | 92.3    | 127      | 170      |
| 50                  | 2.21    | 4.01    | 6.87    | 10.5    | 16.3    | 27.8    | 37.5    | 56.1    | 80.0    | 113     | 155      | 213      |
| <b>25:1</b>         |         |         |         |         |         |         |         |         |         |         |          |          |
| 10                  | 0.50    | 0.91    | 1.45    | 2.21    | 3.71    | 5.89    | 8.46    | 12.7    | 17.9    | 24.2    | 35.2     | 42.6     |
| 20                  | 0.96    | 1.73    | 2.89    | 4.42    | 7.32    | 11.8    | 16.1    | 24.1    | 34.5    | 48.4    | 66.6     | 85.0     |
| 30                  | 1.39    | 2.52    | 4.34    | 6.62    | 10.5    | 17.4    | 23.5    | 35.1    | 50.1    | 70.9    | 94.3     | 128      |
| 40                  | 1.81    | 3.28    | 5.65    | 8.74    | 13.4    | 22.7    | 30.6    | 45.7    | 65.3    | 91.9    | 122      | 170      |
| 50                  | 2.21    | 4.01    | 6.87    | 10.5    | 16.3    | 27.8    | 37.5    | 56.1    | 80.1    | 113     | 146      | 213      |
| 60                  | 2.61    | 4.72    | 8.01    | 12.3    | 19.0    | 32.9    | 44.3    | 66.2    | 94.5    | 133     | 170      | 255      |
| 70                  | 3.00    | 5.42    | 9.05    | 14.0    | 21.7    | 37.8    | 50.9    | 76.1    | 109     | 153     | 193      | 298      |
| 80                  | 3.38    | 6.11    | 9.93    | 15.6    | 24.3    | 42.6    | 57.4    | 85.8    | 123     | 173     | 217      | 327      |
| <b>15:1</b>         |         |         |         |         |         |         |         |         |         |         |          |          |
| 10                  | 0.50    | 0.91    | 1.45    | 2.21    | 3.71    | 5.89    | 8.46    | 12.7    | 17.9    | 24.2    | 35.2     | 42.6     |
| 20                  | 0.96    | 1.74    | 2.89    | 4.42    | 7.32    | 11.8    | 16.1    | 24.1    | 34.5    | 47.9    | 66.6     | 85.0     |
| 30                  | 1.39    | 2.52    | 4.34    | 6.62    | 10.5    | 17.4    | 23.5    | 35.1    | 50.1    | 70.6    | 94.3     | 128      |
| 40                  | 1.81    | 3.28    | 5.65    | 8.74    | 13.4    | 22.7    | 30.6    | 45.7    | 65.3    | 92.2    | 122      | 170      |
| 50                  | 2.21    | 4.01    | 6.79    | 10.5    | 16.3    | 27.8    | 37.5    | 56.1    | 79.4    | 113     | 146      | 213      |
| 60                  | 2.61    | 4.72    | 7.96    | 12.3    | 19.0    | 32.9    | 44.3    | 66.2    | 94.1    | 133     | 170      | 255      |
| 70                  | 3.00    | 5.42    | 9.04    | 14.0    | 21.7    | 37.8    | 50.9    | 76.1    | 108     | 152     | 193      | 298      |
| 80                  | 3.38    | 6.11    | 10.0    | 15.6    | 24.3    | 42.6    | 57.4    | 85.8    | 122     | 170     | 217      | 327      |
| 90                  | 3.75    | 6.78    | 11.0    | 17.2    | 26.8    | 45.2    | 63.0    | 95.1    | 136     | 186     | 237      | 355      |
| 100                 | 4.10    | 7.45    | 11.8    | 18.7    | 29.3    | 48.0    | 68.7    | 103     | 149     | 201     | 255      | 382      |
| 110                 | 4.38    | 8.10    | 12.7    | 20.3    | 31.3    | 50.5    | 74.1    | 110     | 162     | 216     | 272      | 409      |
| 120                 | 4.65    | 8.74    | 13.4    | 21.8    | 32.8    | 53.0    | 79.6    | 117     | 175     | 231     | 289      | 434      |
| <b>09:1</b>         |         |         |         |         |         |         |         |         |         |         |          |          |
| 80                  | 3.38    | 6.11    | 10.0    | 15.5    | 23.6    | 39.6    | 57.0    | 84.3    |         |         |          |          |
| 90                  | 3.75    | 6.74    | 11.0    | 17.1    | 25.9    | 43.4    | 63.0    | 93.2    |         |         |          |          |
| 100                 | 4.12    | 7.34    | 11.8    | 18.7    | 28.1    | 47.2    | 68.7    | 102     |         |         |          |          |
| 110                 | 4.49    | 7.93    | 12.6    | 20.1    | 30.3    | 50.8    | 74.1    | 110     |         |         |          |          |
| 120                 | 4.85    | 8.50    | 13.3    | 21.6    | 32.4    | 54.1    | 79.6    | 117     |         |         |          |          |
| 130                 | 5.18    | 9.07    | 14.1    | 23.1    | 34.5    | 56.0    | 84.4    | 124     |         |         |          |          |
| 140                 | 5.45    | 9.62    | 14.8    | 24.4    | 36.6    | 57.7    | 89.0    | 130     |         |         |          |          |
| 150                 | 5.72    | 9.90    | 15.7    | 25.6    | 38.3    | 58.7    | 93.5    | 137     |         |         |          |          |
| 160                 | 5.99    | 10.3    | 16.5    | 26.8    | 39.8    | 59.6    | 97.5    | 143     |         |         |          |          |
| 170                 | 6.25    | 10.7    | 17.2    | 27.9    | 41.3    | 60.5    | 101     | 149     |         |         |          |          |
| 180                 | 6.50    | 11.1    | 18.0    | 28.6    | 42.6    | 61.4    | 104     | 153     |         |         |          |          |
| 190                 | 6.75    | 11.5    | 18.7    | 29.8    | 44.0    | 62.0    | 107     | 157     |         |         |          |          |
| 200                 | 7.00    | 11.9    | 19.5    | 30.9    | 45.2    | 62.7    | 110     | 162     |         |         |          |          |

# Metric Torque-Arm® II

Easy selection

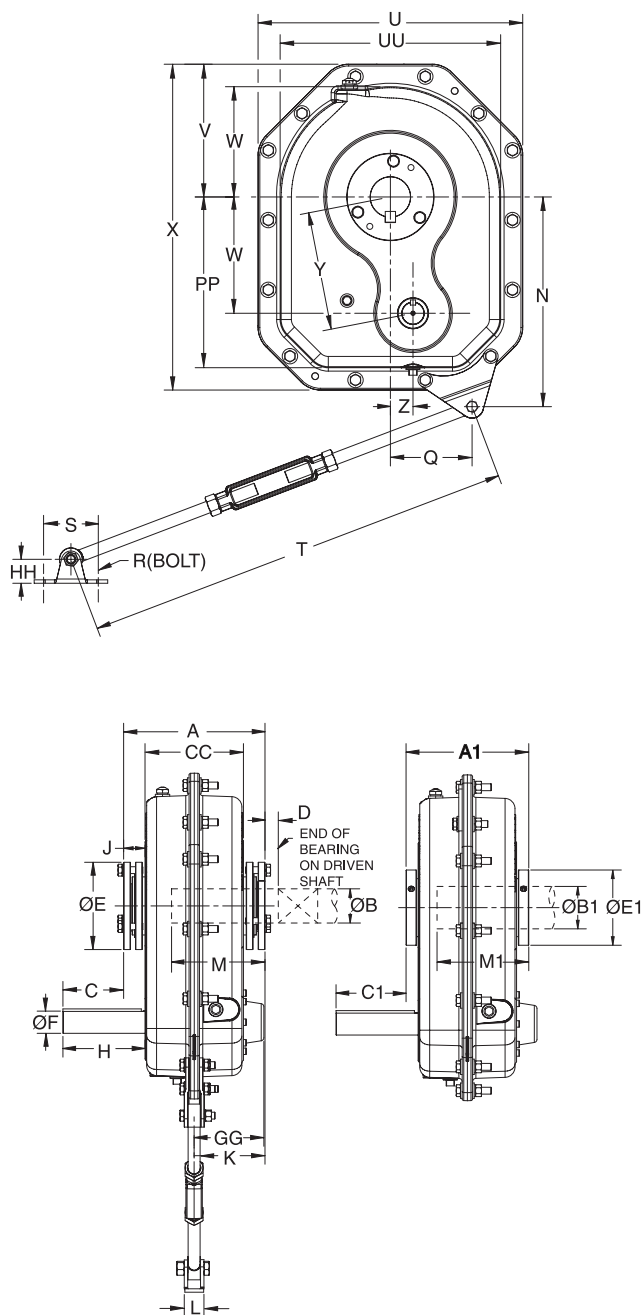
## Mechanical Power Ratings (kW)\*

| Output RPM  | TA0107L | TA1107H | TA2115H | TA3203H | TA4207H | TA5215H | TA6307H | TA7315H | TA8407H | TA9415H | TA10507H | TA12608H |
|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|
| <b>05:1</b> |         |         |         |         |         |         |         |         |         |         |          |          |
| 90          | 3.84    | 6.29    | 8.15    | 14.2    | 15.2    | 35.8    | 51.5    | 66.6    |         |         |          |          |
| 100         | 4.11    | 6.72    | 8.77    | 14.6    | 16.9    | 39.8    | 55.5    | 70.4    |         |         |          |          |
| 110         | 4.36    | 7.13    | 9.40    | 15.2    | 18.6    | 41.3    | 58.9    | 74.2    |         |         |          |          |
| 120         | 4.60    | 7.53    | 10.1    | 15.7    | 20.3    | 42.9    | 62.2    | 78.0    |         |         |          |          |
| 130         | 4.84    | 7.90    | 10.5    | 16.4    | 21.9    | 44.6    | 65.7    | 81.7    |         |         |          |          |
| 140         | 5.06    | 8.24    | 11.0    | 17.1    | 23.6    | 46.5    | 69.1    | 85.5    |         |         |          |          |
| 150         | 5.29    | 8.57    | 11.5    | 17.8    | 25.3    | 48.6    | 72.5    | 89.2    |         |         |          |          |
| 160         | 5.51    | 8.93    | 12.0    | 18.4    | 27.0    | 49.8    | 75.5    | 92.9    |         |         |          |          |
| 170         | 5.73    | 9.26    | 12.4    | 19.1    | 28.5    | 51.0    | 78.6    | 96.6    |         |         |          |          |
| 180         | 5.94    | 9.60    | 12.9    | 19.8    | 29.6    | 52.5    | 81.7    | 100     |         |         |          |          |
| 190         | 6.15    | 9.89    | 13.2    | 20.5    | 30.7    | 53.7    | 84.7    | 104     |         |         |          |          |
| 200         | 6.36    | 10.2    | 13.7    | 21.3    | 31.8    | 55.0    | 87.7    | 108     |         |         |          |          |
| 210         | 6.51    | 10.5    | 13.9    | 22.0    | 33.1    | 56.1    | 89.9    | 111     |         |         |          |          |
| 220         | 6.67    | 10.7    | 14.3    | 22.7    | 34.3    | 57.0    | 92.0    | 114     |         |         |          |          |
| 230         | 6.82    | 11.0    | 14.6    | 23.4    | 35.6    | 58.0    | 94.2    | 117     |         |         |          |          |
| 240         | 6.96    | 11.2    | 15.0    | 24.1    | 37.1    | 59.0    | 96.4    | 121     |         |         |          |          |
| 250         | 7.10    | 11.5    | 15.2    | 24.7    | 37.9    | 60.0    | 98.5    | 124     |         |         |          |          |
| 260         | 7.24    | 11.7    | 15.7    | 25.4    | 38.6    | 60.6    | 101     | 127     |         |         |          |          |
| 270         | 7.37    | 12.0    | 15.9    | 26.1    | 39.5    | 61.6    | 103     | 130     |         |         |          |          |
| 280         | 7.50    | 12.2    | 16.0    | 26.7    | 40.2    | 62.5    | 106     | 133     |         |         |          |          |
| 290         | 7.63    | 12.5    | 16.2    | 27.4    | 41.0    | 63.1    | 108     | 136     |         |         |          |          |
| 300         | 7.76    | 12.7    | 16.6    | 28.1    | 41.8    | 64.0    | 111     | 140     |         |         |          |          |
| 310         | 7.87    | 12.9    | 16.8    | 28.8    | 42.4    | 65.0    | 113     | 143     |         |         |          |          |
| 320         | 7.99    | 13.1    | 16.9    | 29.5    | 43.2    | 66.0    | 115     | 146     |         |         |          |          |
| 330         | 8.10    | 13.3    | 17.0    | 30.2    | 43.8    | 67.0    | 117     | 149     |         |         |          |          |
| 340         | 8.18    | 13.5    | 17.2    | 30.8    | 44.4    | 67.7    | 119     | 152     |         |         |          |          |
| 350         | 8.25    | 13.8    | 17.5    | 31.4    | 45.1    | 68.6    | 121     | 154     |         |         |          |          |
| 360         | 8.32    | 14.0    | 17.6    | 32.0    | 45.8    | 69.7    | 123     | 155     |         |         |          |          |
| 370         | 8.40    | 14.2    | 17.7    | 32.6    | 46.4    | 70.7    | 124     | 157     |         |         |          |          |
| 380         | 8.47    | 14.4    | 17.8    | 33.2    | 47.1    | 71.3    | 126     | 159     |         |         |          |          |
| 390         | 8.54    | 14.6    | 17.9    | 33.8    | 47.4    | 72.4    | 127     | 160     |         |         |          |          |
| 400         | 8.61    | 14.8    | 17.9    | 34.4    | 47.6    | 73.4    | 129     | 162     |         |         |          |          |

# Metric Torque-Arm® II

## Dimensions

### Reducer - Drawings



# Metric Torque-Arm® II

## Dimensions

### Reducer Dimensions (mm)

| Size     | A   | A1  | Max Bore   |                   | Input Shaft |     |    |     |     |          |              |     |    |     |     |     |     |     |
|----------|-----|-----|------------|-------------------|-------------|-----|----|-----|-----|----------|--------------|-----|----|-----|-----|-----|-----|-----|
|          |     |     | Bushed (B) | Straight (B1) (3) | C           | C1  | D  | E   | E1  | Dia (F)  | Key          | H   | J  | K   | L   | M   | M1  | N   |
| TA0107L  | 173 | 150 | 30         | 40                | 67          | 78  | 30 | 83  | 82  | 25h8     | 8x7x85       | 93  | 26 | 87  | 27  | 110 | 131 | 198 |
| TA1107H  | 177 | 148 | 35         | 45                | 64          | 78  | 30 | 95  | 89  | 25h8     | 8x7x85       | 92  | 28 | 88  | 27  | 113 | 129 | 223 |
| TA2115H  | 198 | 165 | 50         | 55                | 68          | 85  | 36 | 111 | 105 | 28h8(1)  | 8x7x90 (1)   | 100 | 32 | 99  | 32  | 122 | 146 | 244 |
| TA3203H  | 219 | 193 | 55         | 65                | 97          | 110 | 36 | 124 | 114 | 32h8 (2) | 10x8x110 (2) | 125 | 30 | 110 | 32  | 139 | 167 | 274 |
| TA4207H  | 227 | 204 | 65         | 75                | 98          | 109 | 36 | 140 | 127 | 35h8     | 10x8x110     | 128 | 33 | 114 | 37  | 144 | 172 | 332 |
| TA5215H  | 263 | 228 | 75         | 85                | 113         | 130 | 48 | 162 | 140 | 38h8     | 10x8x140     | 152 | 40 | 131 | 37  | 161 | 196 | 389 |
| TA6307H  | 275 | 239 | 85         | 100               | 146         | 165 | 48 | 165 | 146 | 48h8     | 14x9x150     | 161 | 41 | 138 | 70  | 171 | 207 | 418 |
| TA7315H  | 301 | 270 | 100        | 120               | 142         | 158 | 53 | 197 | 178 | 60h8     | 18x11x150    | 165 | 47 | 151 | 102 | 194 | 232 | 511 |
| TA8407H  | 325 | 294 | 110        | 120               | 155         | 170 | 53 | 203 | 178 | 60h8     | 18x11x170    | 183 | 47 | 163 | 102 | 206 | 256 | 511 |
| TA9415H  | 349 | 311 | 125        | 125               | 180         | 199 | 60 | 235 | 203 | 60h8     | 18x11x200    | 216 | 52 | 175 | 125 | 217 | 270 | 620 |
| TA10507H | 393 | 355 | 130        | 150               | 181         | 200 | 60 | 260 | 229 | 65h8     | 18x11x200    | 221 | 52 | 197 | 125 | 246 | 299 | 769 |
| TA12608H | 465 | 425 | 160        | 190               | 182         | 203 | 60 | 292 | 254 | 65h8     | 18x11x200    | 220 | 53 | 233 | 132 | 295 | 355 | 831 |

| Size     | P   | P1  | Q   | Bolt |       | T   |     | U   | V   | W   | X    | Y     | Z   | CC  | GG  | HH | PP  | UU  | VV  |
|----------|-----|-----|-----|------|-------|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|----|-----|-----|-----|
|          |     |     |     | R    | S     | Min | Max |     |     |     |      |       |     |     |     |    |     |     |     |
| TA0107L  | 92  | 94  | 78  | M10  | 63,5  | 610 | 762 | 240 | 120 | 87  | 288  | 89,7  | 23  | 121 | 93  | 24 | 138 | 181 | 90  |
| TA1107H  | 107 | 94  | 83  | M10  | 63,5  | 610 | 762 | 275 | 137 | 114 | 331  | 114,1 | 0   | 119 | 102 | 24 | 165 | 219 | 110 |
| TA2115H  | 114 | 94  | 92  | M10  | 76,2  | 686 | 838 | 320 | 160 | 138 | 383  | 138,4 | 0   | 135 | 110 | 27 | 192 | 259 | 130 |
| TA3203H  | 125 | 100 | 105 | M10  | 76,2  | 686 | 838 | 355 | 177 | 153 | 422  | 153,4 | 14  | 157 | 120 | 27 | 210 | 286 | 143 |
| TA4207H  | 128 | 105 | 121 | M12  | 101,6 | 737 | 889 | 422 | 211 | 186 | 512  | 187,5 | 26  | 161 | 123 | 45 | 263 | 346 | 173 |
| TA5215H  | 135 | 125 | 152 | M12  | 101,6 | 737 | 889 | 492 | 246 | 216 | 605  | 220,0 | 42  | 183 | 129 | 45 | 317 | 409 | 205 |
| TA6307H  | 144 | 145 | 155 | M16  | 120,7 | 749 | 902 | 522 | 261 | 233 | 641  | 237,2 | 45  | 194 | 137 | 51 | 339 | 441 | 221 |
| TA7315H  | 178 | 165 | 183 | M20  | 178,6 | 762 | 914 | 597 | 299 | 229 | 786  | 264,2 | 131 | 208 | 167 | 80 | 434 | 492 | 246 |
| TA8407H  | 181 | 160 | 183 | M20  | 178,6 | 762 | 914 | 598 | 299 | 235 | 786  | 267,5 | 129 | 232 | 175 | 80 | 434 | 492 | 246 |
| TA9415H  | 223 | 165 | 102 | M24  | 215,1 | 775 | 934 | 673 | 336 | 285 | 867  | 309,1 | 120 | 246 | 213 | 86 | 483 | 574 | 287 |
| TA10507H | 223 | 180 | 127 | M24  | 215,1 | 775 | 934 | 739 | 370 | 505 | 1036 | 505,2 | 0   | 289 | 214 | 86 | 612 | 631 | 316 |
| TA12608H | 279 | 210 | 127 | M24  | 227,8 | 787 | 940 | 765 | 382 | 550 | 1111 | 550,2 | 0   | 359 | 267 | 89 | 674 | 656 | 328 |

(1) Input shaft diameter and key for 33:1 ratio TA2115H is 25h8 and 8x7x90

(2) Input shaft diameter and key for 32:1 ratio TA3203H is 28h8 and 8x7x110

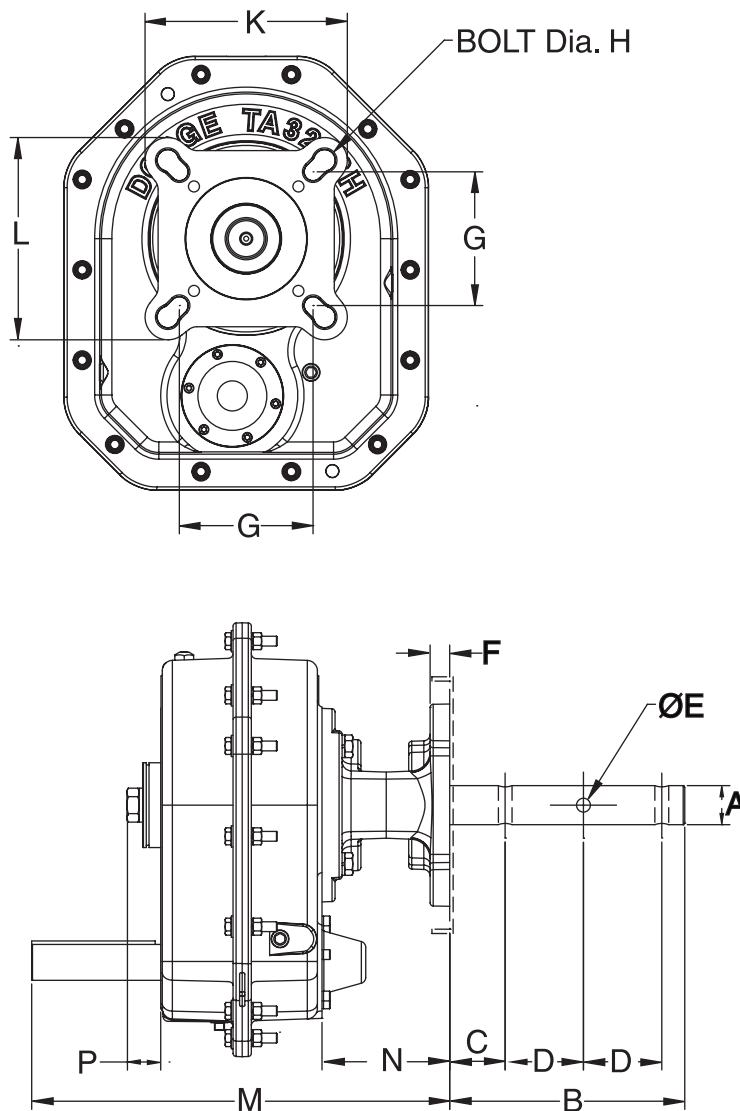
(3) Straight bore tolerance is F9

# Metric Torque-Arm® II

## Dimensions

### Screw Conveyor - Drawing

| Reducer Size | Dimensions  |            |           |
|--------------|-------------|------------|-----------|
|              | M           | N          | P         |
| TA0107L      | 13,04 (331) | 4,89 (124) | 1,11 (28) |
| TA1107H      | 12,80 (325) | 4,46 (113) | 1,15 (29) |
| TA2115H      | 14,07 (357) | 4,83 (123) | 1,23 (31) |
| TA3203H      | 16,01 (407) | 4,89 (124) | 1,27 (32) |
| TA4207H      | 16,87 (429) | 5,52 (140) | 1,36 (35) |
| TA5215H      | 18,94 (481) | 5,75 (146) | 1,54 (39) |
| TA6307H      | 20,76 (527) | 5,95 (151) | 0,69 (18) |
| TA7315H      | 21,60 (549) | 5,75 (146) | 0,97 (25) |



# Metric Torque-Arm® II

## Dimensions

### Screw Conveyor Drive Dimensions in inches (in mm)

| Reducer | Screw Dia          | Drive Shaft Dia A | Dimensions  |           |         |                |           |            |            |                         |
|---------|--------------------|-------------------|-------------|-----------|---------|----------------|-----------|------------|------------|-------------------------|
|         |                    |                   | B           | C         | D       | Hole Dia E     | F         | G          | Bolt Dia H | K x L                   |
| TA0107L | 6, 9               | 1-1/2 (38, 10)    | 9 (229)     | 2,13 (54) | 3 (76)  | 17/32 (13, 49) | 0,75 (19) | 4 (102)    | 1/2-13     | 7,75x7,74<br>(197x197)  |
|         | 9, 12              | 2 (50, 80)        | 9 (229)     | 2,13 (54) | 3 (76)  | 21/32 (16,67)  | 0,75 (19) | 5,13 (130) | 5/8        |                         |
|         | 12, 14             | 2-7/16 (61, 91)   | 9,69 (246)  | 2,75 (70) | 3 (76)  | 21/32 (16,67)  | 0,75 (19) | 5,63 (143) | 5/8        |                         |
|         | 12, 14, 16, 18, 20 | 3 (76, 20)        | 9,88 (251)  | 2,88 (73) | 3 (76)  | 25/32 (19, 84) | 0,75 (19) | 6 (152)    | 3/4        |                         |
| TA1107H | 6, 9               | 1-1/2 (38, 10)    | 9 (229)     | 2,13 (54) | 3 (76)  | 17/32 (13, 49) | 0,75 (19) | 4 (102)    | 1/2-13     | 7,75x7,75<br>(197x197)  |
|         | 9, 12              | 2 (50, 80)        | 9 (229)     | 2,13 (54) | 3 (76)  | 21/32 (16,67)  | 0,75 (19) | 5,13 (130) | 5/8        |                         |
|         | 12, 14             | 2-7/16 (61, 91)   | 9,69 (246)  | 2,75 (70) | 3 (76)  | 21/32 (16,67)  | 0,75 (19) | 5,63 (143) | 5/8        |                         |
|         | 12, 14, 16, 18, 20 | 3 (76, 20)        | 9,88 (251)  | 2,88 (73) | 3 (76)  | 25/32 (19, 84) | 0,75 (19) | 6 (152)    | 3/4        |                         |
| TA2115H | 6, 9               | 1-1/2 (38, 10)    | 9 (229)     | 2,13 (54) | 3 (76)  | 17/32 (13, 49) | 0,75 (19) | 4 (102)    | 1/2-13     | 7,75x7,75<br>(197x197)  |
|         | 9, 12              | 2 (50, 80)        | 9 (229)     | 2,13 (54) | 3 (76)  | 21/32 (16,67)  | 0,75 (19) | 5,13 (130) | 5/8        |                         |
|         | 12, 14             | 2-7/16 (61, 91)   | 9,69 (246)  | 2,75 (70) | 3 (76)  | 21/32 (16,67)  | 0,75 (19) | 5,63 (143) | 5/8        |                         |
|         | 12, 14, 16, 18, 20 | 3 (76, 20)        | 9,88 (251)  | 2,88 (73) | 3 (76)  | 25/32 (19, 84) | 0,75 (19) | 6 (152)    | 3/4        |                         |
| TA3203H | 6, 9               | 1-1/2 (38, 10)    | 9 (229)     | 2,13 (54) | 3 (76)  | 17/32 (13, 49) | 0,75 (19) | 4 (102)    | 1/2-13     | 7,75x7,75<br>(197x197)  |
|         | 9, 12              | 2 (50, 80)        | 9 (229)     | 2,13 (54) | 3 (76)  | 21/32 (16,67)  | 0,75 (19) | 5,13 (130) | 5/8        |                         |
|         | 12, 14             | 2-7/16 (61, 91)   | 9,69 (246)  | 2,75 (70) | 3 (76)  | 21/32 (16,67)  | 0,75 (19) | 5,63 (143) | 5/8        |                         |
|         | 12, 14, 16, 18, 20 | 3 (76, 20)        | 9,88 (251)  | 2,88 (73) | 3 (76)  | 25/32 (19, 84) | 0,75 (19) | 6 (152)    | 3/4        |                         |
| TA4207H | 9, 12              | 2 (50, 80)        | 9 (229)     | 2,13 (54) | 3 (76)  | 21/32 (16,67)  | 0,75 (19) | 5,13 (130) | 5/8        | 9,25x9,25<br>(235x235)  |
|         | 12, 14             | 2-7/16 (61, 91)   | 9,69 (246)  | 2,75 (70) | 3 (76)  | 21/32 (16,67)  | 0,75 (19) | 5,63 (143) | 5/8        |                         |
|         | 12, 14, 16, 18, 20 | 3 (76, 20)        | 9,88 (251)  | 2,88 (73) | 3 (76)  | 25/32 (19, 84) | 0,75 (19) | 6 (152)    | 3/4        |                         |
|         | 18, 20, 24         | 3-7/16 (87, 31)   | 13,13 (334) | 3,88 (99) | 4 (102) | 29/32 (23, 02) | 0,75 (19) | 6,75 (171) | 3/4        |                         |
| TA5215H | 9, 12              | 2 (50, 80)        | 9 (229)     | 2,13 (54) | 3 (76)  | 21/32 (16,67)  | 0,75 (19) | 5,13 (130) | 5/8        | 9,25x9,25<br>(235x235)  |
|         | 12, 14             | 2-7/16 (61, 91)   | 9,69 (246)  | 2,75 (70) | 3 (76)  | 21/32 (16,67)  | 0,75 (19) | 5,63 (143) | 5/8        |                         |
|         | 12, 14, 16, 18, 20 | 3 (76, 20)        | 9,88 (251)  | 2,88 (73) | 3 (76)  | 25/32 (19, 84) | 0,75 (19) | 6 (152)    | 3/4        |                         |
|         | 18, 20, 24         | 3-7/16 (87, 31)   | 13,13 (334) | 3,88 (99) | 4 (102) | 29/32 (23, 02) | 0,75 (19) | 6,75 (171) | 3/4        |                         |
| TA6307H | 12, 14             | 2-7/16 (61, 91)   | 9,69 (246)  | 2,75 (70) | 3 (76)  | 21/32 (16,67)  | 0,75 (19) | 5,63 (143) | 5/8        | 9,25x9,25<br>(235x235)  |
|         | 12, 14, 16, 18, 20 | 3 (76, 20)        | 9,88 (251)  | 2,88 (73) | 3 (76)  | 25/32 (19, 84) | 0,75 (19) | 6 (152)    | 3/4        |                         |
|         | 18, 20, 24         | 3-7/16 (87, 31)   | 13,13 (334) | 3,88 (99) | 4 (102) | 29/32 (23, 02) | 0,75 (19) | 6,75 (171) | 3/4        |                         |
|         |                    |                   |             |           |         |                |           |            |            |                         |
| TA7315H | 12, 14             | 2-7/16 (61, 91)   | 9,69 (246)  | 2,75 (70) | 3 (76)  | 21/32 (16,67)  | 0,75 (19) | 5,63 (143) | 5/8        | 10,50x9,25<br>(267x235) |
|         | 12, 14, 16, 18, 20 | 3 (76, 20)        | 9,88 (251)  | 2,88 (73) | 3 (76)  | 25/32 (19, 84) | 0,75 (19) | 6 (152)    | 3/4        |                         |
|         | 18, 20, 24         | 3-7/16 (87, 31)   | 13,13 (334) | 3,88 (99) | 4 (102) | 29/32 (23, 02) | 0,75 (19) | 6,75 (171) | 3/4        |                         |
|         |                    |                   |             |           |         |                |           |            |            |                         |

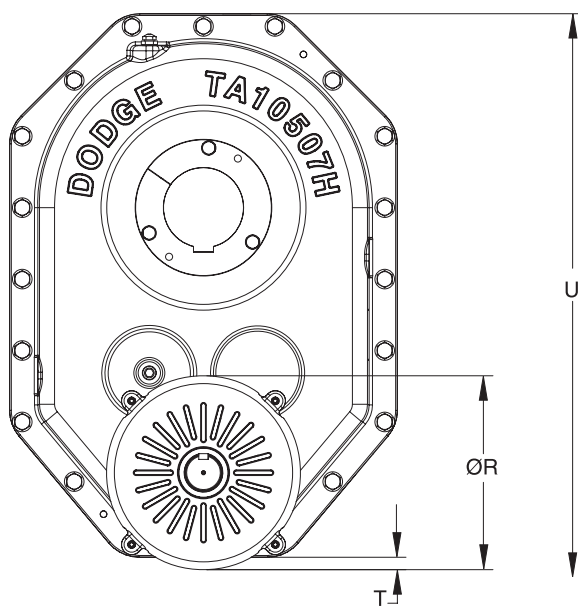
# Metric Torque-Arm® II

## Dimensions

### Cooling Fan - Drawing

Cooling Fan Dimension in mm

| Reducer Size | R Dia, | S   | T  | U    |
|--------------|--------|-----|----|------|
| TA4207H      | 229    | 96  | -  | -    |
| TA5215H      | 273    | 118 | -  | -    |
| TA6307H      | 301    | 102 | 4  | 644  |
| TA7315H      | 301    | 104 | -  | -    |
| TA8407H      | 301    | 122 | -  | -    |
| TA9415H      | 370    | 152 | -  | -    |
| TA10507H     | 370    | 156 | 24 | 1060 |
| TA12608H     | 370    | 156 | 6  | 1117 |





# Metric Torque-Arm® II

## Dimensions

### Part Numbers

## TA0107L-M

### Reducer

| Description                      | Part No | Ref. Code | Actual Ratio | Weight kg |
|----------------------------------|---------|-----------|--------------|-----------|
| Twin Tapered Reducer             |         |           |              |           |
| TA0107L05M Metric Taper Bush Red | 900009  | B         | 5,2          | 18,0      |
| TA0107L09M Metric Taper Bush Red | 900008  | B         | 9,0          | 18,7      |
| TA0107L15M Metric Taper Bush Red | 900007  | B         | 14,9         | 18,6      |
| TA0107L25M Metric Taper Bush Red | 900006  | B         | 25,1         | 18,7      |
| TA0107L31M Metric Taper Bush Red | 900005  | B         | 30,9         | 18,7      |
| Straight Hub Reducer             |         |           |              |           |
| TA0107L05MS x 40 mm Str Bore Red | 900014  | B         | 5,2          | 18,7      |
| TA0107L09MS x 40 mm Str Bore Red | 900013  | B         | 9,0          | 19,4      |
| TA0107L15MS x 40 mm Str Bore Red | 900012  | B         | 14,9         | 19,3      |
| TA0107L25MS x 40 mm Str Bore Red | 900011  | B         | 25,1         | 19,4      |
| TA0107L31MS x 40 mm Str Bore Red | 900010  | B         | 30,9         | 19,4      |

### Twin Tapered Bushings

| Description                          | Part No | Shaft Keyseat required | Weight kg |
|--------------------------------------|---------|------------------------|-----------|
| Twin Tapered Standard Shaft          |         |                        |           |
| TA0107MTB X 25 MM TAPER BUSH KIT     | 900033  | 8 x 4 x 174            | 1,2       |
| TA0107MTB X 30 MM TAPER BUSH KIT     | 900032  | 8 x 4 x 174            | 1,0       |
| TA0107MTB X 32 MM TAPER BUSH KIT     | 900031  | 10 x 5 x 174           | 0,8       |
| TA0107MTB X 35 MM TAPER BUSH KIT     | 900030  | 10 x 5 x 174           | 0,7       |
| Straight Bore Bushing                |         |                        |           |
| TA0107MSBB X 35 MM STR BORE BUSH KIT | 900057  | 10 x 5 x 105           | 1,0       |

### Twin Tapered Bushings

| Description                      | Part No | Shaft Keyseat required | Weight kg |
|----------------------------------|---------|------------------------|-----------|
| Twin Tapered Short Shaft         |         |                        |           |
| TA0107MTBS x 25 mm SS Tpr Bu Kit | 900035  | 8 x 4 x 110            | 1,2       |
| TA0107MTBS x 30 mm SS Tpr Bu Kit | 900034  | 8 x 4 x 110            | 1,0       |
| Straight Bore Reducer Hub        |         |                        |           |
| Max Bore TA0107L-M x 40 mm       |         | 12 x 5 x 148           |           |

### Harsh Duty Accessories

| Description                                   | Part No | Weight kg |
|---|---------|-----------|
| Filter Breather (ceramic 40 micron)           | 430048  | 0,1       |
| TA0-TA3 Hydra-Lock Dessicant Breather Kit     | 964372  | 0,1       |
| TA0107 Closed Aluminum Bushing cover          | 900114  | 0,1       |
| TA0107 Open/split Aluminum Bushing cover      | 900115  | 0,1       |
| TA0 V-ring seal kit for shaft mounted reducer | 900249  | 0,1       |

### Accessories

| Description                      | Part No | Weight kg |
|----------------------------------|---------|-----------|
| TA0107RA TA Rod Assembly         | 900109  | 2,0       |
| TA0107HMM IEC Motor Mount Assy   | 900092  | 16,1      |
| TA1107H/0107L BS Backstop Assy   | 901102  | 1,8       |
| TA0107BG Belt Guard - Pos, B     | 900096  | 18,5      |
| TA0107BG Belt Guard - Pos, C     | 900097  | 19,2      |
| TA0-TA3 Vertical Breather Kit    | 900112  | 0,9       |
| Screw Conveyor Drive             |         |           |
| TA0107SCA Adapter & Hdw Kit      | 900070  | 6,7       |
| TA0107SCP Adjustable Packing Kit | 900071  | 0,4       |
| TA0107SCS x 1-1/2 Drive Shaft    | 900072  | 4,0       |
| TA0107SCS x 2 Drive Shaft        | 900073  | 5,5       |
| TA0107SCS x 2-7/16 Drive Shaft   | 900074  | 7,5       |
| TA0107SCS x 3 Drive Shaft        | 900075  | 10,4      |

### Twin Tapered Bushings (inch bushings)

| Description                 | Part No | Shaft Keyseat required | Weight kg |
|-----------------------------|---------|------------------------|-----------|
| Twin Tapered Standard Shaft |         |                        |           |
| TA0107TB x 1-7/16           | 900020  | 3/8 x 3/16 x 6.83      | 0,7       |
| TA0107TB x 1-3/8            | 900021  | 5/16 x 5/32 x 6.83     | 0,7       |
| TA0107TB x 1-5/16           | 900022  | 5/16 x 5/32 x 6.83     | 0,8       |
| TA0107TB x 1-1/4            | 900023  | 1/4 x 1/8 x 6.83       | 0,9       |
| TA0107TB x 1-3/16           | 900024  | 1/4 x 1/8 x 6.83       | 0,9       |
| TA0107TB x 1-1/8            | 900025  | 1/4 x 1/8 x 6.83       | 1,0       |
| TA0107TB x 1                | 900026  | 1/4 x 1/8 x 6.83       | 1,1       |

### Twin Tapered Bushings (inch bushings)

| Description              | Part No | Shaft Keyseat required | Weight kg |
|--------------------------|---------|------------------------|-----------|
| Twin Tapered Short Shaft |         |                        |           |
| TA0107TBS x 1-3/16       | 900027  | 1/4 x 1/8 x 4.35       | 1,0       |
| TA0107TBS x 1-1/8        | 900028  | 1/4 x 1/8 x 4.35       | 1,0       |
| TA0107TBS x 1            | 900029  | 1/4 x 1/8 x 4.35       | 1,2       |

# Metric Torque-Arm® II

## Dimensions

### Part Numbers

## TA1107H-M

### Reducer

| Description                       | Part No | Ref. Code | Actual Ratio | Weight kg |
|-----------------------------------|---------|-----------|--------------|-----------|
| Twin Tapered Reducer              |         |           |              |           |
| TA1107H05M Metric Taper Bush Redr | 901009  | C         | 5,0          | 25,2      |
| TA1107H09M Metric Taper Bush Redr | 901008  | C         | 9,0          | 25,8      |
| TA1107H15M Metric Taper Bush Redr | 901007  | C         | 14,9         | 25,8      |
| TA1107H25M Metric Taper Bush Redr | 901006  | C         | 25,1         | 25,8      |
| TA1107H31M Metric Taper Bush Redr | 901005  | C         | 30,9         | 25,8      |
| Straight Hub Reducer              |         |           |              |           |
| TA1107H05MS x 45 mm Str Bore Red  | 901014  | C         | 5,0          | 25,7      |
| TA1107H09MS x 45 mm Str Bore Red  | 901013  | C         | 9,0          | 26,4      |
| TA1107H15MS x 45 mm Str Bore Red  | 901012  | C         | 14,9         | 26,3      |
| TA1107H25MS x 45 mm Str Bore Red  | 901011  | C         | 25,1         | 26,3      |
| TA1107H31MS x 45 mm Str Bore Red  | 901010  | C         | 30,9         | 26,4      |

### Twin Tapered Bushings

| Description                          | Part No | Shaft Keyseat required | Weight kg |
|--------------------------------------|---------|------------------------|-----------|
| Twin Tapered Standard Shaft          |         |                        |           |
| TA1107MTB X 30 MM TAPER BUSH KIT     | 901044  | 8 x 4 x 177            | 2,0       |
| TA1107MTB X 32 MM TAPER BUSH KIT     | 901043  | 10 x 5 x 177           | 1,9       |
| TA1107MTB X 35 MM TAPER BUSH KIT     | 901042  | 10 x 5 x 177           | 1,8       |
| TA1107MTB X 38 MM TAPER BUSH KIT     | 901041  | 10 x 5 x 177           | 1,6       |
| TA1107MTB X 40 MM TAPER BUSH KIT     | 901040  | 12 x 5 x 177           | 1,4       |
| Straight Bore Bushing                |         |                        |           |
| TA1107MSBB X 40 MM STR BORE BUSH KIT | 901057  | 12 x 5 x 105           | 1,8       |

### Twin Tapered Bushings

| Description                     | Part No | Shaft Keyseat required | Weight kg |
|---------------------------------|---------|------------------------|-----------|
| Twin Tapered Short Shaft        |         |                        |           |
| TA1107MTBS x 30 mm Tpr Bush Kit | 901052  | 8 x 4 x 113            | 2,0       |
| TA1107MTBS x 32 mm Tpr Bush Kit | 901051  | 10 x 5 x 113           | 1,9       |
| TA1107MTBS x 35 mm Tpr Bush Kit | 901050  | 10 x 5 x 113           | 1,8       |
| Straight Bore Reducer Hub       |         |                        |           |
| Max Bore TA1107H-M x 45 mm      |         | 14 x 5,5 x 148         |           |

### Harsh Duty Accessories

| Description                                   | Part No | Weight kg |
|---|---------|-----------|
| Filter Breather (ceramic 40 micron)           | 430048  | 0,1       |
| TA0-TA3 Hydra-Lock Dessicant Breather Kit     | 964372  | 0,1       |
| TA1107 Closed Aluminum Bushing cover          | 901114  | 0,2       |
| TA1107 Open/split Aluminum Bushing cover      | 901115  | 0,2       |
| TA1 V-ring seal kit for shaft mounted reducer | 901249  | 0,1       |

### Accessories

| Description                       | Part No | Weight kg |
|-----------------------------------|---------|-----------|
| TA1107RA TA Rod Assembly          | 901109  | 2,0       |
| TA1107HMM IEC Motor Mount Assy    | 901092  | 17,9      |
| TA1107H/0107L BS Backstop Assy    | 901102  | 1,8       |
| TA1107HBG Belt Guard - Pos, B     | 901096  | 18,5      |
| TA1107HBG Belt Guard - Pos, C     | 901097  | 19,6      |
| TA0-TA3 Vertical Breather Kit     | 900112  | 0,9       |
| Screw Conveyor Drive              |         |           |
| TA1107HSCA Adapter & Hdwr Kit     | 901070  | 6,9       |
| TA1107HSCP Adjustable Packing Kit | 901071  | 0,4       |
| TA1107HSCS x 1-1/2 Drive Shaft    | 901072  | 4,7       |
| TA1107HSCS x 2 Drive Shaft        | 901073  | 6,1       |
| TA1107HSCS x 2-7/16 Drive Shaft   | 901074  | 8,2       |
| TA1107HSCS x 3 Drive Shaft        | 901075  | 11,1      |

### Twin Tapered Bushings (inch bushings)

| Description                 | Part No | Shaft Keyseat required | Weight kg |
|-----------------------------|---------|------------------------|-----------|
| Twin Tapered Standard Shaft |         |                        |           |
| TA1107TB x 1-1/2            | 901020  | 3/8 x 3/16 x 6.95      | 1,5       |
| TA1107TB x 1-7/16           | 901021  | 3/8 x 3/16 x 6.95      | 1,6       |
| TA1107TB x 1-3/8            | 901022  | 5/16 x 5/32 x 6.95     | 1,6       |
| TA1107TB x 1-5/16           | 901023  | 5/16 x 5/32 x 6.95     | 1,7       |
| TA1107TB x 1-1/4            | 901024  | 1/4 x 1/8 x 6.95       | 1,7       |
| TA1107TB x 1-3/16           | 901025  | 1/4 x 1/8 x 6.95       | 1,7       |
| TA1107TB x 1-1/8            | 901026  | 1/4 x 1/8 x 6.95       | 1,8       |
| TA1107TB x 1-1/16           | 901027  | 1/4 x 1/8 x 6.95       | 1,8       |
| TA1107TB x 1                | 901028  | 1/4 x 1/8 x 6.95       | 1,9       |

### Twin Tapered Bushings (inch bushings)

| Description              | Part No | Shaft Keyseat required | Weight kg |
|--------------------------|---------|------------------------|-----------|
| Twin Tapered Short Shaft |         |                        |           |
| TA1107TBS x 1-7/16       | 901030  | 3/8 x 3/16 x 4.43      | 1,7       |
| TA1107TBS x 1-3/8        | 901031  | 5/16 x 5/32 x 4.43     | 1,7       |
| TA1107TBS x 1-5/16       | 901032  | 5/16 x 5/32 x 4.43     | 1,8       |
| TA1107TBS x 1-1/4        | 901033  | 1/4 x 1/8 x 4.43       | 1,9       |
| TA1107TBS x 1-3/16       | 901034  | 1/4 x 1/8 x 4.43       | 1,9       |
| TA1107TBS x 1-1/8        | 901035  | 1/4 x 1/8 x 4.43       | 2,0       |
| TA1107TBS x 1-1/16       | 901036  | 1/4 x 1/8 x 4.43       | 2,0       |
| TA1107TBS x 1            | 901037  | 1/4 x 1/8 x 4.43       | 2,1       |

# Metric Torque-Arm® II

## Dimensions

### Part Numbers

## TA2115H-M

### Reducer

| Description                      | Part No | Ref. Code | Actual Ratio | Weight kg |
|----------------------------------|---------|-----------|--------------|-----------|
| Twin Tapered Reducer             |         |           |              |           |
| TA2115H05M Metric Taper Bush Red | 902009  | D         | 5,2          | 38,2      |
| TA2115H09M Metric Taper Bush Red | 902008  | D         | 9,1          | 39,3      |
| TA2115H15M Metric Taper Bush Red | 902007  | D         | 15,6         | 39,2      |
| TA2115H25M Metric Taper Bush Red | 902006  | D         | 25,1         | 39,1      |
| TA2115H33M Metric Taper Bush Red | 902005  | D         | 33,3         | 39,0      |
| Straight Hub Reducer             |         |           |              |           |
| TA2115H05MS x 55 mm Str Bore Red | 902014  | D         | 5,2          | 39,2      |
| TA2115H09MS x 55 mm Str Bore Red | 902013  | D         | 9,1          | 40,2      |
| TA2115H15MS x 55 mm Str Bore Red | 902012  | D         | 15,6         | 40,1      |
| TA2115H25MS x 55 mm Str Bore Red | 902011  | D         | 25,1         | 40,1      |
| TA2115H33MS x 55 mm Str Bore Red | 902010  | D         | 33,3         | 39,9      |

### Twin Tapered Bushings

| Description                          | Part No | Shaft Keyseat required | Weight kg |
|--------------------------------------|---------|------------------------|-----------|
| Twin Tapered Standard Shaft          |         |                        |           |
| TA2115MTB X 35 MM TAPER BUSH KIT     | 902046  | 10 x 5 x 199           | 3,5       |
| TA2115MTB X 38 MM TAPER BUSH KIT     | 902045  | 10 x 5 x 199           | 3,3       |
| TA2115MTB X 40 MM TAPER BUSH KIT     | 902044  | 12 x 5 x 199           | 3,2       |
| TA2115MTB X 42 MM TAPER BUSH KIT     | 902043  | 12 x 5 x 199           | 3,0       |
| TA2115MTB X 45 MM TAPER BUSH KIT     | 902042  | 14 x 5,5 x 199         | 2,9       |
| TA2115MTB X 50 MM TAPER BUSH KIT     | 902041  | 14 x 5,5 x 199         | 2,5       |
| TA2115MTB X 55 MM TAPER BUSH KIT     | 902040  | 16 x 6 x 199           | 2,3       |
| Straight Bore Bushing                |         |                        |           |
| TA2115MSBB X 50 MM STR BORE BUSH KIT | 902057  | 14 x 5,5 x 120         | 2,9       |

### Twin Tapered Bushings

| Description                     | Part No | Shaft Keyseat required | Weight kg |
|---------------------------------|---------|------------------------|-----------|
| Twin Tapered Short Shaft        |         |                        |           |
| TA2115MTBS x 35 mm Tpr Bush Kit | 902055  | 10 x 5 x 122           | 3,5       |
| TA2115MTBS x 38 mm Tpr Bush Kit | 902054  | 10 x 5 x 122           | 3,3       |
| TA2115MTBS x 40 mm Tpr Bush Kit | 902053  | 12 x 5 x 122           | 3,2       |
| TA2115MTBS x 42 mm Tpr Bush Kit | 902052  | 12 x 5 x 122           | 3,0       |
| TA2115MTBS x 45 mm Tpr Bush Kit | 902051  | 14 x 5,5 x 122         | 2,9       |
| TA2115MTBS x 50 mm Tpr Bush Kit | 902050  | 14 x 5,5 x 122         | 2,5       |
| Straight                        |         |                        |           |
| Max Bore TA2115H-M x 55 mm      |         | 16 x 6 x 165           |           |

### Harsh Duty Accessories

| Description                                   | Part No | Weight kg |
|---|---------|-----------|
| Filter Breather (ceramic 40 micron)           | 430048  | 0,1       |
| TA0-TA3 Hydra-Lock Dessicant Breather Kit     | 964372  | 0,1       |
| TA2115 Closed Aluminum Bushing cover          | 902114  | 0,4       |
| TA2115 Open/split Aluminum Bushing cover      | 902115  | 0,4       |
| TA2 V-ring seal kit for shaft mounted reducer | 902249  | 0,1       |

### Accessories

| Description                      | Part No | Weight kg |
|----------------------------------|---------|-----------|
| TA2115RA TA Rod Assembly         | 902109  | 3,1       |
| TA2115MM IEC Motor Mount Assy    | 902092  | 24,0      |
| TA2115BS Backstop Assembly       | 902102  | 1,8       |
| TA2115BG Belt Guard - Pos, B     | 902096  | 21,7      |
| TA2115BG Belt Guard - Pos, C     | 902097  | 23,7      |
| TA0-TA3 Vertical Breather Kit    | 900112  | 0,9       |
| Screw Conveyor Drive             |         |           |
| TA2115SCA Adapter & Hdwr Kit     | 902070  | 8,7       |
| TA2115SCP Adjustable Packing Kit | 902071  | 0,5       |
| TA2115SCS x 1-1/2 Drive Shaft    | 902072  | 7,0       |
| TA2115SCS x 2 Drive Shaft        | 902073  | 8,5       |
| TA2115SCS x 2-7/16 Drive Shaft   | 902074  | 10,6      |
| TA2115SCS x 3 Drive Shaft        | 902075  | 13,4      |

### Twin Tapered Bushings (inch bushings)

| Description                 | Part No | Shaft Keyseat required | Weight kg |
|-----------------------------|---------|------------------------|-----------|
| Twin Tapered Standard Shaft |         |                        |           |
| TA2115TB x 2-3/16           | 902020  | 1/2 x 1/4 x 7.80       | 2,1       |
| TA2115TB x 2                | 902022  | 1/2 x 1/4 x 7.80       | 2,4       |
| TA2115TB x 1-15/16          | 902023  | 1/2 x 1/4 x 7.80       | 2,5       |
| TA2115TB x 1-7/8            | 902024  | 1/2 x 1/4 x 7.80       | 2,5       |
| TA2115TB x 1-3/4            | 902025  | 3/8 x 3/16 x 7.80      | 2,6       |
| TA2115TB x 1-11/16          | 902026  | 3/8 x 3/16 x 7.80      | 2,8       |
| TA2115TB x 1-5/8            | 902027  | 3/8 x 3/16 x 7.80      | 2,8       |
| TA2115TB x 1-1/2            | 902028  | 3/8 x 3/16 x 7.80      | 2,9       |
| TA2115TB x 1-7/16           | 902029  | 3/8 x 3/16 x 7.80      | 2,9       |
| TA2115TB x 1-3/8            | 902060  | 5/16 x 5/32 x 7.80     | 2,9       |
| TA2115TB x 1-5/16           | 902061  | 5/16 x 5/32 x 7.80     | 3,0       |

### Twin Tapered Bushings (inch bushings)

| Description              | Part No | Shaft Keyseat required | Weight kg |
|--------------------------|---------|------------------------|-----------|
| Twin Tapered Short Shaft |         |                        |           |
| TA2115TBS x 1-15/16      | 902030  | 1/2 x 1/4 x 4.80       | 2,5       |
| TA2115TBS x 1-7/8        | 902031  | 1/2 x 1/4 x 4.80       | 2,7       |
| TA2115TBS x 1-3/4        | 902032  | 3/8 x 3/16 x 4.80      | 2,7       |
| TA2115TBS x 1-11/16      | 902033  | 3/8 x 3/16 x 4.80      | 3,0       |
| TA2115TBS x 1-5/8        | 902034  | 3/8 x 3/16 x 4.80      | 3,1       |
| TA2115TBS x 1-1/2        | 902035  | 3/8 x 3/16 x 4.80      | 3,3       |
| TA2115TBS x 1-7/16       | 902036  | 3/8 x 3/16 x 4.80      | 3,4       |
| TA2115TBS x 1-3/8        | 902037  | 5/16 x 5/32 x 4.80     | 3,4       |
| TA2115TBS x 1-5/16       | 902038  | 5/16 x 5/32 x 4.80     | 3,5       |

# Metric Torque-Arm® II

## Dimensions

### Part Numbers

## TA3203H-M

### Reducer

| Description                      | Part No | Ref. Code | Actual Ratio | Weight kg |
|----------------------------------|---------|-----------|--------------|-----------|
| Twin Tapered Reducer             |         |           |              |           |
| TA3203H05M Metric Taper Bush Red | 903009  | E         | 4,9          | 48,9      |
| TA3203H09M Metric Taper Bush Red | 903008  | E         | 9,2          | 50,7      |
| TA3203H15M Metric Taper Bush Red | 903007  | E         | 15,1         | 50,6      |
| TA3203H25M Metric Taper Bush Red | 903006  | E         | 25,0         | 50,5      |
| TA3203H32M Metric Taper Bush Red | 903005  | E         | 32,5         | 50,1      |
| Straight Hub Reducer             |         |           |              |           |
| TA3203H05MS x 65 mm Str Bore Red | 903014  | E         | 4,9          | 49,6      |
| TA3203H09MS x 65 mm Str Bore Red | 903013  | E         | 9,2          | 51,5      |
| TA3203H15MS x 65 mm Str Bore Red | 903012  | E         | 15,1         | 51,4      |
| TA3203H25MS x 65 mm Str Bore Red | 903011  | E         | 25,0         | 51,3      |
| TA3203H32MS x 65 mm Str Bore Red | 903010  | E         | 32,5         | 50,9      |

### Twin Tapered Bushings

| Description                          | Part No | Shaft Keyseat required | Weight kg |
|--------------------------------------|---------|------------------------|-----------|
| Twin Tapered Standard Shaft          |         |                        |           |
| TA3203MTB X 35 MM TAPER BUSH KIT     | 903047  | 10 x 5 x 218           | 4,8       |
| TA3203MTB X 38 MM TAPER BUSH KIT     | 903046  | 10 x 5 x 218           | 4,6       |
| TA3203MTB X 40 MM TAPER BUSH KIT     | 903045  | 12 x 5 x 218           | 4,5       |
| TA3203MTB X 42 MM TAPER BUSH KIT     | 903044  | 12 x 5 x 218           | 4,3       |
| TA3203MTB X 45 MM TAPER BUSH KIT     | 903043  | 14 x 5,5 x 218         | 4,1       |
| TA3203MTB X 50 MM TAPER BUSH KIT     | 903042  | 14 x 5,5 x 218         | 3,7       |
| TA3203MTB X 55 MM TAPER BUSH KIT     | 903041  | 16 x 6 x 218           | 3,2       |
| TA3203MTB X 60 MM TAPER BUSH KIT     | 903040  | 18 x 7 x 218           | 2,9       |
| Straight Bore Bushing                |         |                        |           |
| TA3203MSBB X 60 MM STR BORE BUSH KIT | 903057  | 18 x 7 x 130           | 4,1       |

### Twin Tapered Bushings

| Description                     | Part No | Shaft Keyseat required | Weight kg |
|---------------------------------|---------|------------------------|-----------|
| Twin Tapered Short Shaft        |         |                        |           |
| TA3203MTBS x 35 mm Tpr Bush Kit | 903056  | 10 x 5 x 139           | 4,8       |
| TA3203MTBS x 38 mm Tpr Bush Kit | 903055  | 10 x 5 x 139           | 4,6       |
| TA3203MTBS x 40 mm Tpr Bush Kit | 903054  | 12 x 5 x 139           | 4,5       |
| TA3203MTBS x 42 mm Tpr Bush Kit | 903053  | 12 x 5 x 139           | 4,3       |
| TA3203MTBS x 45 mm Tpr Bush Kit | 903052  | 14 x 5,5 x 139         | 4,1       |
| TA3203MTBS x 50 mm Tpr Bush Kit | 903051  | 14 x 5,5 x 139         | 3,7       |
| TA3203MTBS x 55 mm Tpr Bush Kit | 903050  | 16 x 6 x 139           | 3,2       |
| Straight Hub Reducer            |         |                        |           |
| Max Bore TA3203H-M x 65mm       |         | 18 x 7 x 192           |           |

### Harsh Duty Accessories

| Description                                   | Part No | Weight kg |
|---|---------|-----------|
| Filter Breather (ceramic 40 micron)           | 430048  | 0,1       |
| TA0-TA3 Hydra-Lock Dessicant Breather Kit     | 964372  | 0,1       |
| TA3203 Closed Aluminum Bushing cover          | 903114  | 0,5       |
| TA3203 Open/split Aluminum Bushing cover      | 903115  | 0,5       |
| TA3 V-ring seal kit for shaft mounted reducer | 903249  | 0,1       |

### Accessories

| Description                      | Part No | Weight kg |
|----------------------------------|---------|-----------|
| TA3203RA TA Rod Assembly         | 903109  | 3,1       |
| TA3203MM IEC Motor Mount Assy    | 903092  | 39,6      |
| TA3203BS Backstop Assembly       | 903102  | 2,1       |
| TA3203BG Belt Guard - Pos, B     | 903096  | 29,8      |
| TA3203BG Belt Guard - Pos, C     | 903097  | 30,9      |
| TA0-TA3 Vertical Breather Kit    | 900112  | 0,9       |
| For Screw Conveyor Drive         |         |           |
| TA3203SCA Adapter & Hardware Kit | 903070  | 10,0      |
| TA3203SCP Adjustable Packing Kit | 903071  | 0,6       |
| TA3203SCS x 1-1/2 Drive Shaft    | 903072  | 8,8       |
| TA3203SCS x 2 Drive Shaft        | 903073  | 10,3      |
| TA3203SCS x 2-7/16 Drive Shaft   | 903074  | 12,4      |
| TA3203SCS x 3 Drive Shaft        | 903075  | 15,3      |

### Twin Tapered Bushings (inch bushings)

| Description                 | Part No | Shaft Keyseat required | Weight kg |
|-----------------------------|---------|------------------------|-----------|
| Twin Tapered Standard Shaft |         |                        |           |
| TA3203TB x 2-3/8            | 903020  | 5/8 x 5/16 x 8.55      | 2,8       |
| TA3203TB x 2-1/4            | 903021  | 1/2 x 1/4 x 8.55       | 2,8       |
| TA3203TB x 2-3/16           | 903022  | 1/2 x 1/4 x 8.55       | 3,1       |
| TA3203TB x 2-1/8            | 903023  | 1/2 x 1/4 x 8.55       | 3,2       |
| TA3203TB x 2                | 903024  | 1/2 x 1/4 x 8.55       | 3,4       |
| TA3203TB x 1-15/16          | 903025  | 1/2 x 1/4 x 8.55       | 3,5       |
| TA3203TB x 1-7/8            | 903026  | 1/2 x 1/4 x 8.55       | 3,6       |
| TA3203TB x 1-3/4            | 903027  | 3/8 x 3/16 x 8.55      | 3,6       |
| TA3203TB x 1-11/16          | 903028  | 3/8 x 3/16 x 8.55      | 3,7       |
| TA3203TB x 1-5/8            | 903029  | 3/8 x 3/16 x 8.55      | 3,8       |
| TA3203TB x 1-1/2            | 903060  | 3/8 x 3/16 x 8.55      | 4,0       |
| TA3203TB x 1-7/16           | 903061  | 3/8 x 3/16 x 8.55      | 4,0       |

### Twin Tapered Bushings (inch bushings)

| Description              | Part No | Shaft Keyseat required | Weight kg |
|--------------------------|---------|------------------------|-----------|
| Twin Tapered Short Shaft |         |                        |           |
| TA3203TBS x 2-3/16       | 903030  | 1/2 x 1/4 x 5.46       | 3,2       |
| TA3203TBS x 2-1/8        | 903031  | 1/2 x 1/4 x 5.46       | 3,4       |
| TA3203TBS x 2            | 903032  | 1/2 x 1/4 x 5.46       | 3,6       |
| TA3203TBS x 1-15/16      | 903033  | 1/2 x 1/4 x 5.46       | 3,8       |
| TA3203TBS x 1-7/8        | 903034  | 1/2 x 1/4 x 5.46       | 3,9       |
| TA3203TBS x 1-3/4        | 903035  | 3/8 x 3/16 x 5.46      | 4,1       |
| TA3203TBS x 1-11/16      | 903036  | 3/8 x 3/16 x 5.46      | 4,2       |
| TA3203TBS x 1-5/8        | 903037  | 3/8 x 3/16 x 5.46      | 4,4       |
| TA3203TBS x 1-1/2        | 903038  | 3/8 x 3/16 x 5.46      | 4,5       |
| TA3203TBS x 1-7/16       | 903039  | 3/8 x 3/16 x 5.46      | 4,5       |

# Metric Torque-Arm® II

## Dimensions

### Part Numbers

## TA4207H-M

### Reducer

| Description                      | Part No | Ref. Code | Actual Ratio | Weight kg |
|----------------------------------|---------|-----------|--------------|-----------|
| Twin Tapered Reducer             |         |           |              |           |
| TA4207H05M Metric Taper Bush Red | 904009  | F         | 5,0          | 81,1      |
| TA4207H09M Metric Taper Bush Red | 904008  | F         | 9,2          | 85,0      |
| TA4207H15M Metric Taper Bush Red | 904007  | F         | 15,0         | 84,8      |
| TA4207H25M Metric Taper Bush Red | 904006  | F         | 25,1         | 84,5      |
| TA4207H40M Metric Taper Bush Red | 904005  | F         | 39,1         | 84,2      |
| Straight Hub Reducer             |         |           |              |           |
| TA4207H05MS x 75 mm Str Bore Red | 904014  | F         | 5,0          | 82,7      |
| TA4207H09MS x 75 mm Str Bore Red | 904013  | F         | 9,2          | 86,7      |
| TA4207H15MS x 75 mm Str Bore Red | 904012  | F         | 15,0         | 86,5      |
| TA4207H25MS x 75 mm Str Bore Red | 904011  | F         | 25,1         | 86,2      |
| TA4207H40MS x 75 mm Str Bore Red | 904010  | F         | 39,1         | 85,9      |

### Twin Tapered Bushings

| Description                          | Part No | Shaft Keyseat required | Weight kg |
|--------------------------------------|---------|------------------------|-----------|
| Twin Tapered Standard Shaft          |         |                        |           |
| TA4207MTB X 42 MM TAPER BUSH KIT     | 904048  | 12 x 5 x 227           | 7,1       |
| TA4207MTB X 45 MM TAPER BUSH KIT     | 904047  | 14 x 5,5 x 227         | 6,9       |
| TA4207MTB X 50 MM TAPER BUSH KIT     | 904046  | 14 x 5,5 x 227         | 6,4       |
| TA4207MTB X 55 MM TAPER BUSH KIT     | 904045  | 16 x 6 x 227           | 5,9       |
| TA4207MTB X 60 MM TAPER BUSH KIT     | 904044  | 18 x 7 x 227           | 5,4       |
| TA4207MTB X 65 MM TAPER BUSH KIT     | 904043  | 18 x 7 x 227           | 4,7       |
| TA4207MTB X 70 MM TAPER BUSH KIT     | 904042  | 20 x 7,5 x 227         | 4,1       |
| Straight Bore Bushing                |         |                        |           |
| TA4207MSBB X 70 MM STR BORE BUSH KIT | 904057  | 20 x 7,5 x 130         | 4,7       |

### Twin Tapered Bushings

| Description                      | Part No | Shaft Keyseat required | Weight kg |
|----------------------------------|---------|------------------------|-----------|
| Twin Tapered Short Shaft         |         |                        |           |
| TA4207MTBS x 42 mm SS Tpr Bu Kit | 904054  | 12 x 5 x 144           | 7,1       |
| TA4207MTBS x 45 mm SS Tpr Bu Kit | 904053  | 14 x 5,5 x 144         | 6,9       |
| TA4207MTBS x 50 mm SS Tpr Bu Kit | 904052  | 14 x 5,5 x 144         | 6,4       |
| TA4207MTBS x 55 mm SS Tpr Bu Kit | 904051  | 16 x 6 x 144           | 5,9       |
| TA4207MTBS x 60 mm SS Tpr Bu Kit | 904050  | 18 x 7 x 144           | 5,4       |
| TA4207MTBS x 65 mm SS Tpr Bu Kit | 904049  | 18 x 7 x 144           | 4,7       |
| Straight                         |         |                        |           |
| Max Bore TA4207H-M x 75 mm       |         | 20 x 7,5 x 203         |           |

### Harsh Duty Accessories

| Description                                   | Part No | Weight kg |
|---|---------|-----------|
| Filter Breather (ceramic 40 micron)           | 430049  | 0,1       |
| TA4-TA9 Hydra-Lock Dessicant Breather Kit     | 964364  | 0,4       |
| TA4207 Closed Aluminum Bushing cover          | 904114  | 0,6       |
| TA4207 Open/split Aluminum Bushing cover      | 904115  | 0,6       |
| TA4 V-ring seal kit for shaft mounted reducer | 904249  | 0,1       |

### Accessories

| Description                       | Part No | Weight kg |
|-----------------------------------|---------|-----------|
| TA4207RA TA Rod Assembly          | 904109  | 4,8       |
| TA4207MM IEC Motor Mount Assy     | 904092  | 52,0      |
| TA4207CF Metric Cooling Fan Assy  | 904107  | 0,9       |
| TA4207BS Backstop Assembly        | 904102  | 2,4       |
| TA4207BS 40:1 Backstop Assembly   | 904103  | 2,4       |
| TA4207BG Belt Guard - Pos, B      | 904096  | 36,2      |
| TA4207BG Belt Guard - Pos, C      | 904097  | 37,6      |
| TA4-TA12 Vertical Breather Kit    | 904112  | 1,4       |
| For Screw Conveyor Drive          |         |           |
| TA4207SCA Adapter & Hdwr Kit      | 904070  | 15,3      |
| TA4207 SCP Adjustable Packing Kit | 904071  | 1,0       |
| TA4207SCS x 2 Drive Shaft         | 904073  | 13,5      |
| TA4207SCS x 2-7/16 Drive Shaft    | 904074  | 15,7      |
| TA4207SCS x 3 Drive Shaft         | 904075  | 18,6      |
| TA4207SCS x 3-7/16 Drive Shaft    | 904076  | 24,9      |

### Twin Tapered Bushings (inch bushings)

| Description                 | Part No | Shaft Keyseat required | Weight kg |
|-----------------------------|---------|------------------------|-----------|
| Twin Tapered Standard Shaft |         |                        |           |
| TA4207TB x 2-11/16          | 904020  | 5/8 x 5/16 x 8.93      | 4,3       |
| TA4207TB x 2-1/2            | 904021  | 5/8 x 5/16 x 8.93      | 4,8       |
| TA4207TB x 2-7/16           | 904022  | 5/8 x 5/16 x 8.93      | 4,9       |
| TA4207TB x 2-3/8            | 904023  | 5/8 x 5/16 x 8.93      | 5,1       |
| TA4207TB x 2-1/4            | 904024  | 1/2 x 1/4 x 8.93       | 5,2       |
| TA4207TB x 2-3/16           | 904025  | 1/2 x 1/4 x 8.93       | 5,4       |
| TA4207TB x 2-1/8            | 904026  | 1/2 x 1/4 x 8.93       | 5,5       |
| TA4207TB x 2                | 904027  | 1/2 x 1/4 x 8.93       | 5,7       |
| TA4207TB x 1-15/16          | 904028  | 1/2 x 1/4 x 8.93       | 5,9       |
| TA4207TB x 1-7/8            | 904029  | 1/2 x 1/4 x 8.93       | 6,0       |
| TA4207TB x 1-3/4            | 904030  | 3/8 x 3/16 x 8.93      | 6,0       |
| TA4207TB x 1-11/16          | 904031  | 3/8 x 3/16 x 8.93      | 6,1       |

### Twin Tapered Bushings (inch bushings)

| Description              | Part No | Shaft Keyseat required | Weight kg |
|--------------------------|---------|------------------------|-----------|
| Twin Tapered Short Shaft |         |                        |           |
| TA4207TBS x 2-7/16       | 904032  | 5/8 x 5/16 x 5.65      | 5,1       |
| TA4207TBS x 2-3/8        | 904033  | 5/8 x 5/16 x 5.65      | 5,4       |
| TA4207TBS x 2-1/4        | 904034  | 1/2 x 1/4 x 5.65       | 5,6       |
| TA4207TBS x 2-3/16       | 904035  | 1/2 x 1/4 x 5.65       | 4,9       |
| TA4207TBS x 2-1/8        | 904036  | 1/2 x 1/4 x 5.65       | 6,0       |
| TA4207TBS x 2            | 904037  | 1/2 x 1/4 x 5.65       | 6,3       |
| TA4207TBS x 1-15/16      | 904038  | 1/2 x 1/4 x 5.65       | 6,5       |
| TA4207TBS x 1-7/8        | 904039  | 1/2 x 1/4 x 5.65       | 6,6       |
| TA4207TBS x 1-3/4        | 904040  | 3/8 x 3/16 x 5.65      | 6,8       |
| TA4207TBS x 1-11/16      | 904041  | 3/8 x 3/16 x 5.65      | 6,9       |

# Metric Torque-Arm® II

## Dimensions

### Part Numbers

## TA5215H-M

### Reducer

| Description                      | Part No | Ref. Code | Actual Ratio | Weight kg |
|----------------------------------|---------|-----------|--------------|-----------|
| Twin Tapered Reducer             |         |           |              |           |
| TA5215H05M Metric Taper Bush Red | 905009  | G         | 5,1          | 117,9     |
| TA5215H09M Metric Taper Bush Red | 905008  | G         | 9,2          | 124,5     |
| TA5215H15M Metric Taper Bush Red | 905007  | G         | 14,9         | 124,3     |
| TA5215H25M Metric Taper Bush Red | 905006  | G         | 25,0         | 123,8     |
| TA5215H40M Metric Taper Bush Red | 905005  | G         | 38,9         | 123,5     |
| Straight Hub Reducer             |         |           |              |           |
| TA5215H05MS x 85 mm Str Bore Red | 905014  | G         | 5,1          | 119,3     |
| TA5215H09MS x 85 mm Str Bore Red | 905013  | G         | 9,2          | 125,9     |
| TA5215H15MS x 85 mm Str Bore Red | 905012  | G         | 14,9         | 125,7     |
| TA5215H25MS x 85 mm Str Bore Red | 905011  | G         | 25,0         | 125,2     |
| TA5215H40MS x 85 mm Str Bore Red | 905010  | G         | 38,9         | 124,9     |

### Twin Tapered Bushings

| Description                          | Part No | Shaft Keyseat required | Weight kg |
|--------------------------------------|---------|------------------------|-----------|
| Twin Tapered Standard Shaft          |         |                        |           |
| TA5215MTB X 50 MM TAPER BUSH KIT     | 905050  | 14 x 5,5 x 263         | 10,5      |
| TA5215MTB X 55 MM TAPER BUSH KIT     | 905049  | 16 x 6 x 263           | 10,0      |
| TA5215MTB X 60 MM TAPER BUSH KIT     | 905048  | 18 x 7 x 263           | 9,9       |
| TA5215MTB X 65 MM TAPER BUSH KIT     | 905047  | 18 x 7 x 263           | 8,6       |
| TA5215MTB X 70 MM TAPER BUSH KIT     | 905046  | 20 x 7,5 x 263         | 7,9       |
| TA5215MTB X 75 MM TAPER BUSH KIT     | 905045  | 20 x 7,5 x 263         | 7,2       |
| TA5215MTB X 80 MM TAPER BUSH KIT     | 905044  | 22 x 9 x 263           | 6,9       |
| Straight Bore Bushing                |         |                        |           |
| TA5215MSBB X 80 MM STR BORE BUSH KIT | 905057  | 22 x 9 x 150           | 7,2       |

### Twin Tapered Bushings

| Description                      | Part No | Shaft Keyseat required | Weight kg |
|----------------------------------|---------|------------------------|-----------|
| Twin Tapered Short Shaft         |         |                        |           |
| TA5215MTBS x 50 mm SS Tpr Bu Kit | 905056  | 14 x 5,5 x 162         | 10,5      |
| TA5215MTBS x 55 mm SS Tpr Bu Kit | 905055  | 16 x 6 x 162           | 10,0      |
| TA5215MTBS x 60 mm SS Tpr Bu Kit | 905054  | 18 x 7 x 162           | 9,9       |
| TA5215MTBS x 65 mm SS Tpr Bu Kit | 905053  | 18 x 7 x 162           | 8,6       |
| TA5215MTBS x 70 mm SS Tpr Bu Kit | 905052  | 20 x 7,5 x 162         | 7,9       |
| TA5215MTBS x 75 mm SS Tpr Bu Kit | 905051  | 20 x 7,5 x 162         | 7,2       |
| Straight                         |         |                        |           |
| Max Bore TA5215H-M x 85 mm       |         | 22 x 9 x 227           |           |

### Harsh Duty Accessories

| Description                                   | Part No | Weight kg |
|---|---------|-----------|
| Filter Breather (ceramic 40 micron)           | 430049  | 0,1       |
| TA4-TA9 Hydra-Lock Dessicant Breather Kit     | 964364  | 0,4       |
| TA5215 Closed Aluminum Bushing cover          | 905114  | 0,6       |
| TA5215 Open/split Aluminum Bushing cover      | 905115  | 0,6       |
| TA5 V-ring seal kit for shaft mounted reducer | 905249  | 0,2       |

### Accessories

| Description                      | Part No | Weight kg |
|----------------------------------|---------|-----------|
| TA5215RA TA Rod Assembly         | 905109  | 5,0       |
| TA5215MM IEC Motor Mount Assy    | 905092  | 55,7      |
| TA5215CF Metric Cooling Fan Assy | 905107  | 1,4       |
| TA5215BS Backstop Assembly       | 905102  | 3,8       |
| TA5215BS 40:1 Backstop Assembly  | 905103  | 3,8       |
| TA5215BG Belt Guard - Pos, B     | 905096  | 46,1      |
| TA5215BG Belt Guard - Pos, C     | 905097  | 48,0      |
| TA4-TA12 Vertical Breather Kit   | 904112  | 1,4       |
| For Screw Conveyor Drive         |         |           |
| TA5215SCA Adapter & Hdwr Kit     | 905070  | 17,5      |
| TA5215SCP Adjustable Packing Kit | 905071  | 1,0       |
| TA5215SCS x 2 Drive Shaft        | 905073  | 17,7      |
| TA5215SCS x 2-7/16 Drive Shaft   | 905074  | 19,8      |
| TA5215SCS x 3 Drive Shaft        | 905075  | 22,7      |
| TA5215SCS x 3-7/16 Drive Shaft   | 905076  | 29,0      |

### Twin Tapered Bushings (inch bushings)

| Description                 | Part No | Shaft Keyseat required | Weight kg |
|-----------------------------|---------|------------------------|-----------|
| Twin Tapered Standard Shaft |         |                        |           |
| TA5215TB x 3-3/16           | 905020  | 3/4 x 3/8 x 10.34      | 6,2       |
| TA5215TB x 3                | 905021  | 3/4 x 3/8 x 10.34      | 6,9       |
| TA5215TB x 2-15/16          | 905022  | 3/4 x 3/8 x 10.34      | 7,1       |
| TA5215TB x 2-7/8            | 905023  | 3/4 x 3/8 x 10.34      | 7,3       |
| TA5215TB x 2-11/16          | 905024  | 5/8 x 5/16 x 10.34     | 7,6       |
| TA5215TB x 2-1/2            | 905025  | 5/8 x 5/16 x 10.34     | 8,1       |
| TA5215TB x 2-7/16           | 905026  | 5/8 x 5/16 x 10.34     | 8,2       |
| TA5215TB x 2-3/8            | 905027  | 5/8 x 5/16 x 10.34     | 8,3       |
| TA5215TB x 2-1/4            | 905028  | 1/2 x 1/4 x 10.34      | 8,6       |
| TA5215TB x 2-3/16           | 905029  | 1/2 x 1/4 x 10.34      | 8,7       |
| TA5215TB x 2-1/8            | 905030  | 1/2 x 1/4 x 10.34      | 8,8       |
| TA5215TB x 2                | 905031  | 1/2 x 1/4 x 10.34      | 9,0       |
| TA5215TB x 1-15/16          | 905032  | 1/2 x 1/4 x 10.34      | 9,1       |

### Twin Tapered Bushings (inch bushings)

| Description              | Part No | Shaft Keyseat required | Weight kg |
|--------------------------|---------|------------------------|-----------|
| Twin Tapered Short Shaft |         |                        |           |
| TA5215TBS x 2-15/16      | 905033  | 3/4 x 3/8 x 6.36       | 7,4       |
| TA5215TBS x 2-7/8        | 905034  | 3/4 x 3/8 x 6.36       | 7,7       |
| TA5215TBS x 2-11/16      | 905035  | 5/8 x 5/16 x 6.36      | 8,2       |
| TA5215TBS x 2-1/2        | 905036  | 5/8 x 5/16 x 6.36      | 8,9       |
| TA5215TBS x 2-7/16       | 905037  | 5/8 x 5/16 x 6.36      | 9,1       |
| TA5215TBS x 2-3/8        | 905038  | 5/8 x 5/16 x 6.36      | 9,3       |
| TA5215TBS x 2-1/4        | 905039  | 1/2 x 1/4 x 6.36       | 9,7       |
| TA5215TBS x 2-3/16       | 905040  | 1/2 x 1/4 x 6.36       | 9,9       |
| TA5215TBS x 2-1/8        | 905041  | 1/2 x 1/4 x 6.36       | 10,1      |
| TA5215TBS x 2            | 905042  | 1/2 x 1/4 x 6.36       | 10,4      |
| TA5215TBS x 1-15/16      | 905043  | 1/2 x 1/4 x 6.36       | 10,6      |

# Metric Torque-Arm® II

## Dimensions

### Part Numbers

## TA6307H-M

### Reducer

| Description                      | Part No | Ref. Code | Actual Ratio | Weight kg |
|----------------------------------|---------|-----------|--------------|-----------|
| Twin Tapered Reducer             |         |           |              |           |
| TA6307H05M Metric Taper Bush Red | 906009  | H         | 4,9          | 142,7     |
| TA6307H09M Metric Taper Bush Red | 906008  | H         | 9,2          | 150,9     |
| TA6307H15M Metric Taper Bush Red | 906007  | H         | 15,5         | 150,5     |
| TA6307H25M Metric Taper Bush Red | 906006  | H         | 24,9         | 149,5     |
| TA6307H40M Metric Taper Bush Red | 906005  | H         | 38,3         | 149,1     |
| Straight Hub Reducer             |         |           |              |           |
| TA6307H05MS x 100 mm Str Br Red  | 906014  | H         | 4,9          | 143,6     |
| TA6307H09MS x 100 mm Str Br Red  | 906013  | H         | 9,2          | 151,8     |
| TA6307H15MS x 100 mm Str Br Red  | 906012  | H         | 15,5         | 151,4     |
| TA6307H25MS x 100 mm Str Br Red  | 906011  | H         | 24,9         | 150,5     |
| TA6307H40MS x 100 mm Str Br Red  | 906010  | H         | 38,3         | 150,0     |

### Twin Tapered Bushings

| Description                          | Part No | Shaft Keyseat required | Weight kg |
|--------------------------------------|---------|------------------------|-----------|
| Twin Tapered Standard Shaft          |         |                        |           |
| TA6307MTB X 60 MM TAPER BUSH KIT     | 906048  | 18 x 7 x 275           | 12,0      |
| TA6307MTB X 65 MM TAPER BUSH KIT     | 906047  | 18 x 7 x 275           | 10,9      |
| TA6307MTB X 70 MM TAPER BUSH KIT     | 906046  | 20 x 7,5 x 275         | 10,5      |
| TA6307MTB X 75 MM TAPER BUSH KIT     | 906045  | 20 x 7,5 x 275         | 9,6       |
| TA6307MTB X 80 MM TAPER BUSH KIT     | 906044  | 22 x 9 x 275           | 8,8       |
| TA6307MTB X 85 MM TAPER BUSH KIT     | 906043  | 22 x 9 x 275           | 7,8       |
| TA6307MTB X 90 MM TAPER BUSH KIT     | 906042  | 25 x 9 x 275           | 7,2       |
| Straight Bore Bushing                |         |                        |           |
| TA6307MSBB X 90 MM STR BORE BUSH KIT | 906058  | 25 x 9 x 165           | 7,8       |
| TA6307MSBB X 95 MM STR BORE BUSH KIT | 906057  | 25 x 9 x 165           | 7,8       |

### Twin Tapered Bushings

| Description                      | Part No | Shaft Keyseat required | Weight kg |
|----------------------------------|---------|------------------------|-----------|
| Twin Tapered Short Shaft         |         |                        |           |
| TA6307MTBS x 60 mm SS Tpr Bu Kit | 906054  | 18 x 7 x 171           | 12,0      |
| TA6307MTBS x 65 mm SS Tpr Bu Kit | 906053  | 18 x 7 x 171           | 10,9      |
| TA6307MTBS x 70 mm SS Tpr Bu Kit | 906052  | 20 x 7,5 x 171         | 10,5      |
| TA6307MTBS x 75 mm SS Tpr Bu Kit | 906051  | 20 x 7,5 x 171         | 9,6       |
| TA6307MTBS x 80 mm SS Tpr Bu Kit | 906050  | 22 x 9 x 171           | 8,8       |
| TA6307MTBS x 85 mm SS Tpr Bu Kit | 906049  | 22 x 9 x 171           | 7,8       |
| Straight                         |         |                        |           |
| Max Bore TA6307H-M x 100 mm      |         | 28 x 10 x 238          |           |

### Harsh Duty Accessories

| Description                                   | Part No | Weight kg |
|---|---------|-----------|
| Filter Breather (ceramic 40 micron)           | 430049  | 0,1       |
| TA4-TA9 Hydra-Lock Dessicant Breather Kit     | 964364  | 0,4       |
| TA6307 Closed Aluminum Bushing cover          | 906114  | 0,6       |
| TA6307 Open/split Aluminum Bushing cover      | 906115  | 0,6       |
| TA6 V-ring seal kit for shaft mounted reducer | 906249  | 0,2       |

### Accessories

| Description                      | Part No | Weight kg |
|----------------------------------|---------|-----------|
| TA6307RA TA Rod Assembly         | 906109  | 9,1       |
| TA6307MM IEC Motor Mount Assy    | 906092  | 72,2      |
| TA6307CF Metric Cooling Fan Assy | 906107  | 4,5       |
| TA6307BS Backstop Assembly       | 906102  | 5,0       |
| TA6307BS 25 & 40:1 Backstop Assy | 906103  | 5,0       |
| TA6307BG Belt Guard - Pos, B     | 906096  | 55,1      |
| TA6307BG Belt Guard - Pos, C     | 906097  | 58,8      |
| TA4-TA12 Vertical Breather Kit   | 904112  | 1,4       |
| For Screw Conveyor Drive         |         |           |
| TA6307SCA Adapter & Hdwr Kit     | 906070  | 18,2      |
| TA6307SCP Adjustable Packing Kit | 906071  | 1,1       |
| TA6307SCS x 2-7/16 Drive Shaft   | 906074  | 24,8      |
| TA6307SCS x 3 Drive Shaft        | 906075  | 27,7      |
| TA6307SCS x 3-7/16 Drive Shaft   | 906076  | 34,0      |

### Twin Tapered Bushings (inch bushings)

| Description                 | Part No | Shaft Keyseat required | Weight kg |
|-----------------------------|---------|------------------------|-----------|
| Twin Tapered Standard Shaft |         |                        |           |
| TA6307TB x 3-7/16           | 906020  | 7/8 x 7/16 x 10.82     | 7,6       |
| TA6307TB x 3-3/16           | 906021  | 3/4 x 3/8 x 10.82      | 8,0       |
| TA6307TB x 3                | 906022  | 3/4 x 3/8 x 10.82      | 8,7       |
| TA6307TB x 2-15/16          | 906023  | 3/4 x 3/8 x 10.82      | 8,9       |
| TA6307TB x 2-7/8            | 906024  | 3/4 x 3/8 x 10.82      | 9,1       |
| TA6307TB x 2-11/16          | 906025  | 5/8 x 5/16 x 10.82     | 9,5       |
| TA6307TB x 2-1/2            | 906026  | 5/8 x 5/16 x 10.82     | 10,0      |
| TA6307TB x 2-7/16           | 906027  | 5/8 x 5/16 x 10.82     | 10,1      |
| TA6307TB x 2-3/8            | 906028  | 5/8 x 5/16 x 10.82     | 10,3      |
| TA6307TB x 2-1/4            | 906029  | 1/2 x 1/4 x 10.82      | 10,5      |
| TA6307TB x 2-3/16           | 906030  | 1/2 x 1/4 x 10.82      | 10,6      |

### Twin Tapered Bushings (inch bushings)

| Description              | Part No | Shaft Keyseat required | Weight kg |
|--------------------------|---------|------------------------|-----------|
| Twin Tapered Short Shaft |         |                        |           |
| TA6307TBS x 3-7/16       | 906031  | 7/8 x 7/16 x 6.72      | 7,5       |
| TA6307TBS x 3-3/16       | 906032  | 3/4 x 3/8 x 6.72       | 8,6       |
| TA6307TBS x 3            | 906033  | 3/4 x 3/8 x 6.72       | 9,5       |
| TA6307TBS x 2-15/16      | 906034  | 3/4 x 3/8 x 6.72       | 9,8       |
| TA6307TBS x 2-7/8        | 906035  | 3/4 x 3/8 x 6.72       | 10,1      |
| TA6307TBS x 2-11/16      | 906036  | 5/8 x 5/16 x 6.72      | 10,8      |
| TA6307TBS x 2-1/2        | 906037  | 5/8 x 5/16 x 6.72      | 11,5      |
| TA6307TBS x 2-7/16       | 906038  | 5/8 x 5/16 x 6.72      | 11,7      |
| TA6307TBS x 2-3/8        | 906039  | 5/8 x 5/16 x 6.72      | 11,9      |
| TA6307TBS x 2-1/4        | 906040  | 1/2 x 1/4 x 6.72       | 12,1      |
| TA6307TBS x 2-3/16       | 906041  | 1/2 x 1/4 x 6.72       | 12,5      |

# Metric Torque-Arm® II

## Dimensions

### Part Numbers

## TA7315H-M

### Reducer

| Description                       | Part No | Ref. Code | Actual Ratio | Weight kg |
|-----------------------------------|---------|-----------|--------------|-----------|
| Twin Tapered Reducer              |         |           |              |           |
| TA7315H05M Metric Taper Bush Red  | 907009  | J         | 5,2          | 206,8     |
| TA7315H09M Metric Taper Bush Red  | 907008  | J         | 9,7          | 224,5     |
| TA7315H15M Metric Taper Bush Red  | 907007  | J         | 14,9         | 224,1     |
| TA7315H25M Metric Taper Bush Red  | 907006  | J         | 24,8         | 224,5     |
| TA7315H40M Metric Taper Bush Red  | 907005  | J         | 39,7         | 223,6     |
| Straight Hub Reducer              |         |           |              |           |
| TA7315H05MS x 120 mm Str Bore Red | 907014  | J         | 5,2          | 206,8     |
| TA7315H09MS x 120 mm Str Bore Red | 907013  | J         | 9,7          | 227,3     |
| TA7315H15MS x 120 mm Str Bore Red | 907012  | J         | 14,9         | 226,8     |
| TA7315H25MS x 120 mm Str Bore Red | 907011  | J         | 24,8         | 227,3     |
| TA7315H40MS x 120 mm Str Bore Red | 907010  | J         | 39,7         | 226,4     |

### Twin Tapered Bushings

| Description                           | Part No | Shaft Keyseat required | Weight kg |
|---------------------------------------|---------|------------------------|-----------|
| Twin Tapered Standard Shaft           |         |                        |           |
| TA7315MTB X 65 MM TAPER BUSH KIT      | 907048  | 18 x 7 x 302           | 19,5      |
| TA7315MTB X 70 MM TAPER BUSH KIT      | 907047  | 20 x 7,5 x 302         | 18,7      |
| TA7315MTB X 75 MM TAPER BUSH KIT      | 907046  | 20 x 7,5 x 302         | 17,7      |
| TA7315MTB X 80 MM TAPER BUSH KIT      | 907045  | 22 x 9 x 302           | 16,8      |
| TA7315MTB X 85 MM TAPER BUSH KIT      | 907044  | 22 x 9 x 302           | 15,7      |
| TA7315MTB X 90 MM TAPER BUSH KIT      | 907043  | 25 x 9 x 302           | 14,8      |
| TA7315MTB X 95 MM TAPER BUSH KIT      | 907042  | 25 x 9 x 302           | 13,5      |
| TA7315MTB X 100 MM TPR BUSH KIT       | 907041  | 28 x 10 x 302          | 12,3      |
| TA7315MTB X 110 MM TPR BUSH KIT       | 907040  | 28 x 10 x 302          | 11,3      |
| Straight Bore Bushing                 |         |                        |           |
| TA7315MSBB X 110 MM STR BORE BUSH KIT | 907057  | 28 x 10 x 185          | 12,5      |

### Twin Tapered Bushings

| Description                       | Part No | Shaft Keyseat required | Weight kg |
|-----------------------------------|---------|------------------------|-----------|
| Twin Tapered Short Shaft          |         |                        |           |
| TA7315MTBS x 65 mm SS Tpr Bu Kit  | 907056  | 18 x 7 x 194           | 19,5      |
| TA7315MTBS x 70 mm SS Tpr Bu Kit  | 907055  | 20 x 7,5 x 194         | 18,7      |
| TA7315MTBS x 75 mm SS Tpr Bu Kit  | 907054  | 20 x 7,5 x 194         | 17,7      |
| TA7315MTBS x 80 mm SS Tpr Bu Kit  | 907053  | 22 x 9 x 194           | 16,8      |
| TA7315MTBS x 85 mm SS Tpr Bu Kit  | 907052  | 22 x 9 x 194           | 15,7      |
| TA7315MTBS x 90 mm SS Tpr Bu Kit  | 907051  | 25 x 9 x 194           | 14,8      |
| TA7315MTBS x 95 mm SS Tpr Bu Kit  | 907050  | 25 x 9 x 194           | 13,5      |
| TA7315MTBS x 100 mm SS Tpr Bu Kit | 907049  | 28 x 10 x 194          | 12,3      |
| Straight Hub Reducer              |         |                        |           |
| Max Bore TA7315H-M x 120 mm       |         | 32 x 11 x 269          |           |

### Harsh Duty Accessories

| Description                                   | Part No | Weight kg |
|---|---------|-----------|
| Filter Breather (ceramic 40 micron)           | 430049  | 0,1       |
| TA4-TA9 Hydra-Lock Dessicant Breather Kit     | 964364  | 0,4       |
| TA7315 Closed Aluminum Bushing cover          | 907114  | 0,6       |
| TA7315 Open/split Aluminum Bushing cover      | 907115  | 0,6       |
| TA7 V-ring seal kit for shaft mounted reducer | 907249  | 0,2       |

### Accessories

| Description                       | Part No | Weight kg |
|-----------------------------------|---------|-----------|
| TA7315/8407RA TA Rod Assembly     | 907109  | 19,6      |
| TA7315/8407MM IEC Motor Mt Assy   | 907092  | 83,8      |
| TA7315/8407CF Metric Fan Assy     | 907107  | 4,5       |
| TA7315BS Backstop Assembly        | 907102  | 9,1       |
| TA7315/9415BS 40:1 Backstop Assy  | 907103  | 9,5       |
| TA7315/8407BG Belt Guard - Pos, B | 907096  | 66,9      |
| TA7315/8407BG Belt Guard - Pos, C | 907097  | 69,4      |
| TA4-TA12 Vertical Breather Kit    | 904112  | 1,4       |
| For Screw Conveyor Drive          |         |           |
| TA7315SCA Adapter & Hdwr Kit      | 907070  | 22,8      |
| TA7315SCP Adjustable Packing Kit  | 907071  | 1,1       |
| TA7315SCS x 2-7/16 Drive Shaft    | 907074  | 35,0      |
| TA7315SCS x 3 Drive Shaft         | 907075  | 37,9      |
| TA7315SCS x 3-7/16 Drive Shaft    | 907076  | 44,2      |
| TA7315SCS x 3-15/16 Drive Shaft   | 907077  | 52,6      |

### Twin Tapered Bushings (inch bushings)

| Description                 | Part No | Shaft Keyseat required | Weight kg |
|-----------------------------|---------|------------------------|-----------|
| Twin Tapered Standard Shaft |         |                        |           |
| TA7315TB x 4-7/16           | 907019  | 1 x 1/2 x 11.87        | 9,3       |
| TA7315TB x 4-3/16           | 907021  | 1 x 1/2 x 11.87        | 10,7      |
| TA7315TB x 3-15/16          | 907022  | 1 x 1/2 x 11.87        | 11,9      |
| TA7315TB x 3-7/16           | 907023  | 7/8 x 7/16 x 11.87     | 14,0      |
| TA7315TB x 3-3/16           | 907024  | 3/4 x 3/8 x 11.87      | 14,8      |
| TA7315TB x 3                | 907025  | 3/4 x 3/8 x 11.87      | 15,4      |
| TA7315TB x 2-15/16          | 907026  | 3/4 x 3/8 x 11.87      | 15,7      |
| TA7315TB x 2-7/8            | 907027  | 3/4 x 3/8 x 11.87      | 15,9      |
| TA7315TB x 2-11/16          | 907028  | 5/8 x 5/16 x 11.87     | 16,2      |
| TA7315TB x 2-1/2            | 907029  | 5/8 x 5/16 x 11.87     | 16,9      |
| TA7315TB x 2-7/16           | 907030  | 5/8 x 5/16 x 11.87     | 17,0      |

### Twin Tapered Bushings (inch bushings)

| Description              | Part No | Shaft Keyseat required | Weight kg |
|--------------------------|---------|------------------------|-----------|
| Twin Tapered Short Shaft |         |                        |           |
| TA7315TBS x 3-15/16      | 907031  | 1 x 1/2 x 7.62         | 12,1      |
| TA7315TBS x 3-7/16       | 907032  | 7/8 x 7/16 x 7.62      | 15,5      |
| TA7315TBS x 3-3/16       | 907033  | 3/4 x 3/8 x 7.62       | 16,7      |
| TA7315TBS x 3            | 907034  | 3/4 x 3/8 x 7.62       | 17,6      |
| TA7315TBS x 2-15/16      | 907035  | 3/4 x 3/8 x 7.62       | 18,0      |
| TA7315TBS x 2-7/8        | 907036  | 3/4 x 3/8 x 7.62       | 18,2      |
| TA7315TBS x 2-11/16      | 907037  | 5/8 x 5/16 x 7.62      | 18,9      |
| TA7315TBS x 2-1/2        | 907038  | 5/8 x 5/16 x 7.62      | 19,8      |
| TA7315TBS x 2-7/16       | 907039  | 5/8 x 5/16 x 7.62      | 20,2      |



# Metric Torque-Arm® II

## Dimensions

### Part Numbers

## TA8407H-M

### Reducer

| Description                       | Part No | Ref. Code | Actual Ratio | Weight kg |
|-----------------------------------|---------|-----------|--------------|-----------|
| Twin Tapered Reducer              |         |           |              |           |
| TA8407H15M Metric Taper Bush Red  | 908007  | S         | 15,1         | 231,8     |
| TA8407H25M Metric Taper Bush Red  | 908006  | S         | 25,0         | 231,8     |
| TA8407H40M Metric Taper Bush Red  | 908005  | S         | 39,7         | 230,0     |
| Straight Hub Reducer              |         |           |              |           |
| TA8407H15MS x 120 mm Str Bore Red | 908012  | S         | 15,1         | 239,1     |
| TA8407H25MS x 120 mm Str Bore Red | 908011  | S         | 25,0         | 239,1     |
| TA8407H40MS x 120 mm Str Bore Red | 908010  | S         | 39,7         | 235,9     |

### Twin Tapered Bushings

| Description                      | Part No | Shaft Keyseat required | Weight kg |
|----------------------------------|---------|------------------------|-----------|
| Twin Tapered Standard Shaft      |         |                        |           |
| TA8407MTB X 75 MM TAPER BUSH KIT | 908041  | 22 x 7,5 x 326         | 21,6      |
| TA8407MTB X 80 MM TAPER BUSH KIT | 908040  | 22 x 9 x 326           | 20,7      |
| TA8407MTB X 85 MM TAPER BUSH KIT | 908039  | 22 x 9 x 326           | 19,5      |
| TA8407MTB X 90 MM TAPER BUSH KIT | 908038  | 25 x 9 x 326           | 18,4      |
| TA8407MTB X 95 MM TAPER BUSH KIT | 908037  | 25 x 9 x 326           | 17,1      |
| TA8407MTB X 100 MM TAPER BU KIT  | 908036  | 28 x 10 x 326          | 16,0      |
| TA8407MTB X 110 MM TAPER BU KIT  | 908035  | 28 x 10 x 326          | 12,9      |
| TA8407MTB X 120 MM TAPER BU KIT  | 908034  | 32 x 11 x 326          | 12,1      |

### Twin Tapered Bushings

| Description                       | Part No | Shaft Keyseat required | Weight kg |
|-----------------------------------|---------|------------------------|-----------|
| Twin Tapered Short Shaft          |         |                        |           |
| TA8407MTBS x 75 mm SS Tpr Bu Kit  | 908048  | 22 x 7,5 x 206         | 21,6      |
| TA8407MTBS x 80 mm SS Tpr Bu Kit  | 908047  | 22 x 9 x 206           | 20,7      |
| TA8407MTBS x 85 mm SS Tpr Bu Kit  | 908046  | 22 x 9 x 206           | 19,5      |
| TA8407MTBS x 90 mm SS Tpr Bu Kit  | 908045  | 25 x 9 x 206           | 18,4      |
| TA8407MTBS x 95 mm SS Tpr Bu Kit  | 908044  | 25 x 9 x 206           | 17,1      |
| TA8407MTBS x 100 mm SS Tpr Bu Kit | 908043  | 28 x 10 x 206          | 16,0      |
| TA8407MTBS x 110 mm SS Tpr Bu Kit | 908042  | 28 x 10 x 206          | 12,9      |
| Straight                          |         |                        |           |
| Max Bore TA8407H-M x 120 mm       |         | 32 x 11 x 293          |           |

### Harsh Duty Accessories

| Description                                   | Part No | Weight kg |
|---|---------|-----------|
| Filter Breather (ceramic 40 micron)           | 430049  | 0,1       |
| TA4-TA9 Hydra-Lock Dessicant Breather Kit     | 964364  | 0,4       |
| TA8407 Closed Aluminum Bushing cover          | 908114  | 1,1       |
| TA8407 Open/split Aluminum Bushing cover      | 908115  | 1,1       |
| TA8 V-ring seal kit for shaft mounted reducer | 908249  | 0,2       |

### Accessories

| Description                       | Part No | Weight kg |
|-----------------------------------|---------|-----------|
| TA7315/8407RA TA Rod Assembly     | 907109  | 19,6      |
| TA7315/8407MM IEC Motor Mt Assy   | 907092  | 83,8      |
| TA7315/8407CF Metric Fan Assy     | 907107  | 4,5       |
| TA8407BS Backstop Assembly        | 908102  | 6,8       |
| TA8407BS 40:1 Backstop Assembly   | 908103  | 7,1       |
| TA7315/8407BG Belt Guard - Pos, B | 907096  | 66,9      |
| TA7315/8407BG Belt Guard - Pos, C | 907097  | 69,4      |
| TA4-TA12 Vertical Breather Kit    | 904112  | 1,4       |

### Twin Tapered Bushings (inch bushings)

| Description                 | Part No | Shaft Keyseat required | Weight kg |
|-----------------------------|---------|------------------------|-----------|
| Twin Tapered Standard Shaft |         |                        |           |
| TA8407TB x 4-7/16           | 908020  | 1 x 1/2 x 12.82        | 11,8      |
| TA8407TB x 4-3/16           | 908021  | 1 x 1/2 x 12.82        | 13,2      |
| TA8407TB x 3-15/16          | 908022  | 1 x 1/2 x 12.82        | 14,6      |
| TA8407TB x 3-7/16           | 908023  | 7/8 x 7/16 x 12.82     | 16,7      |
| TA8407TB x 3-3/16           | 908024  | 3/4 x 3/8 x 12.82      | 17,4      |
| TA8407TB x 3                | 908025  | 3/4 x 3/8 x 12.82      | 18,1      |
| TA8407TB x 2-15/16          | 908026  | 3/4 x 3/8 x 12.82      | 18,3      |

### Twin Tapered Bushings (inch bushings)

| Description              | Part No | Shaft Keyseat required | Weight kg |
|--------------------------|---------|------------------------|-----------|
| Twin Tapered Short Shaft |         |                        |           |
| TA8407TBS x 4-7/16       | 908027  | 1 x 1/2 x 8.10         | 12,2      |
| TA8407TBS x 4-3/16       | 908028  | 1 x 1/2 x 8.10         | 14,2      |
| TA8407TBS x 3-15/16      | 908029  | 1 x 1/2 x 8.10         | 16,2      |
| TA8407TBS x 3-7/16       | 908030  | 7/8 x 7/16 x 8.10      | 19,2      |
| TA8407TBS x 3-3/16       | 908031  | 3/4 x 3/8 x 8.10       | 20,6      |
| TA8407TBS x 3            | 908032  | 3/4 x 3/8 x 8.10       | 21,6      |
| TA8407TBS x 2-15/16      | 908033  | 3/4 x 3/8 x 8.10       | 21,9      |

# Metric Torque-Arm® II

## Dimensions

### Part Numbers

## TA9415H-M

### Reducer

| Description                      | Part No | Ref. Code | Actual Ratio | Weight kg |
|----------------------------------|---------|-----------|--------------|-----------|
| Twin Tapered Reducer             |         |           |              |           |
| TA9415H15M Metric Taper Bush Red | 909007  | K         | 15,1         | 333,6     |
| TA9415H25M Metric Taper Bush Red | 909006  | K         | 25,4         | 333,6     |
| TA9415H40M Metric Taper Bush Red | 909005  | K         | 39,4         | 332,3     |
| Straight Hub Reducer             |         |           |              |           |
| TA9415H15MS x 125 mm Str Br Red  | 909012  | K         | 15,1         | 343,6     |
| TA9415H25MS x 125 mm Str Br Red  | 909011  | K         | 25,4         | 343,6     |
| TA9415H40MS x 125 mm Str Br Red  | 909010  | K         | 39,4         | 342,3     |

### Twin Tapered Bushings

| Description                      | Part No | Shaft Keyseat required | Weight kg |
|----------------------------------|---------|------------------------|-----------|
| Twin Tapered Standard Shaft      |         |                        |           |
| TA9415MTB X 90 MM TAPER BUSH KIT | 909036  | 25 x 9 x 349           | 28,4      |
| TA9415MTB X 95 MM TAPER BUSH KIT | 909035  | 25 x 9 x 349           | 27,1      |
| TA9415MTB X 100 MM TPR BUSH KIT  | 909034  | 28 x 10 x 349          | 26,0      |
| TA9415MTB X 110 MM TPR BUSH KIT  | 909033  | 28 x 10 x 349          | 22,8      |
| TA9415MTB X 120 MM TPR BUSH KIT  | 909032  | 32 x 11 x 349          | 19,6      |
| TA9415MTB X 125 MM TPR BUSH KIT  | 909031  | 32 x 11 x 349          | 17,8      |
| TA9415MTB X 130 MM TPR BUSH KIT  | 909030  | 32 x 11 x 349          | 17,8      |

### Twin Tapered Bushings

| Description                      | Part No | Shaft Keyseat required | Weight kg |
|----------------------------------|---------|------------------------|-----------|
| Twin Tapered Short Shaft         |         |                        |           |
| TA9415MTBS x 90 mm Tpr Bush Kit  | 909042  | 25 x 9 x 217           | 28,4      |
| TA9415MTBS x 95 mm Tpr Bush Kit  | 909041  | 25 x 9 x 217           | 27,1      |
| TA9415MTBS x 100 mm Tpr Bush Kit | 909040  | 28 x 10 x 217          | 26,0      |
| TA9415MTBS x 110 mm Tpr Bush Kit | 909039  | 28 x 10 x 217          | 22,8      |
| TA9415MTBS x 120 mm Tpr Bush Kit | 909038  | 32 x 11 x 217          | 19,6      |
| TA9415MTBS x 125 mm Tpr Bush Kit | 909037  | 32 x 11 x 217          | 17,8      |
| Straight                         |         |                        |           |
| Max Bore TA9415H-M x 125 mm      |         | 32 x 11 x 310          |           |

### Harsh Duty Accessories

| Description                                   | Part No | Weight kg |
|---|---------|-----------|
| Filter Breather (ceramic 40 micron)           | 430049  | 0,1       |
| TA4-TA9 Hydra-Lock Dessicant Breather Kit     | 964364  | 0,4       |
| TA9415 Closed Aluminum Bushing cover          | 909114  | 1,8       |
| TA9415 Open/split Aluminum Bushing cover      | 909115  | 1,8       |
| TA9 V-ring seal kit for shaft mounted reducer | 909249  | 0,2       |

### Accessories

| Description                      | Part No | Weight kg |
|----------------------------------|---------|-----------|
| TA9415RA TA Rod Assembly         | 909109  | 34,9      |
| TA9415MM IEC Motor Mount Assy    | 909092  | 125,4     |
| TA9415CF Metric Cooling Fan Assy | 909107  | 5,6       |
| TA9415BS Backstop Assembly       | 909102  | 9,1       |
| TA7315/9415BS 40:1 Backstop Assy | 907103  | 9,5       |
| TA9415BG Belt Guard - Pos, B     | 909096  | 71,9      |
| TA4-TA12 Vertical Breather Kit   | 904112  | 1,4       |

### Twin Tapered Bushings (inch bushings)

| Description                 | Part No | Shaft Keyseat required | Weight kg |
|-----------------------------|---------|------------------------|-----------|
| Twin Tapered Standard Shaft |         |                        |           |
| TA9415TB x 4-15/16          | 909020  | 1-1/4 x 5/8 x 13.74    | 17,4      |
| TA9415TB x 4-7/16           | 909021  | 1 x 1/2 x 13.74        | 19,7      |
| TA9415TB x 4-3/16           | 909022  | 1 x 1/2 x 13.74        | 21,1      |
| TA9415TB x 3-15/16          | 909023  | 1 x 1/2 x 13.74        | 22,3      |

### Twin Tapered Bushings (inch bushings)

| Description              | Part No | Shaft Keyseat required | Weight kg |
|--------------------------|---------|------------------------|-----------|
| Twin Tapered Short Shaft |         |                        |           |
| TA9415TBS x 4-15/16      | 909025  | 1-1/4 x 5/8 x 8.56     | 18,2      |
| TA9415TBS x 4-7/16       | 909026  | 1 x 1/2 x 8.56         | 22,1      |
| TA9415TBS x 4-3/16       | 909027  | 1 x 1/2 x 8.56         | 24,2      |
| TA9415TBS x 3-15/16      | 909028  | 1 x 1/2 x 8.56         | 26,2      |

# Metric Torque-Arm® II

## Dimensions

### Part Numbers

## TA10507H-M

### Reducer

| Description                      | Part No | Ref. Code | Actual Ratio | Weight kg |
|----------------------------------|---------|-----------|--------------|-----------|
| Twin Tapered Reducer             |         |           |              |           |
| TA10507H15M Metric Tpr Bush Red  | 910007  | L         | 15,1         | 464,1     |
| TA10507H25M Metric Tpr Bush Red  | 910006  | L         | 25,2         | 464,1     |
| TA10507H40M Metric Tpr Bush Red  | 910005  | L         | 39,7         | 462,3     |
| Straight Hub Reducer             |         |           |              |           |
| TA10507H15MS x 150 mm Str Br Red | 910012  | L         | 15,1         | 472,7     |
| TA10507H25MS x 150 mm Str Br Red | 910011  | L         | 25,2         | 472,7     |
| TA10507H40MS x 150 mm Str Br Red | 910010  | L         | 39,7         | 470,9     |

### Twin Tapered Bushings

| Description                      | Part No | Shaft Keyseat required | Weight kg |
|----------------------------------|---------|------------------------|-----------|
| Twin Tapered Standard Shaft      |         |                        |           |
| TA10507MTB X 100 MM TPR BUSH KIT | 910037  | 28 x 10 x 393          | 38,3      |
| TA10507MTB X 110 MM TPR BUSH KIT | 910036  | 28 x 10 x 393          | 35,0      |
| TA10507MTB X 120 MM TPR BUSH KIT | 910035  | 32 x 11 x 393          | 31,6      |
| TA10507MTB X 125 MM TPR BUSH KIT | 910034  | 32 x 11 x 393          | 29,9      |
| TA10507MTB X 130 MM TPR BUSH KIT | 910033  | 32 x 11 x 393          | 27,7      |
| TA10507MTB X 150 MM TPR BUSH KIT | 910032  | 36 x 12 x 393          | 26,7      |

### Twin Tapered Bushings

| Description                       | Part No | Shaft Keyseat required | Weight kg |
|-----------------------------------|---------|------------------------|-----------|
| Twin Tapered Short Shaft          |         |                        |           |
| TA10507MTBS x 100 mm Tpr Bush Kit | 910042  | 28 x 10 x 246          | 38,3      |
| TA10507MTBS x 110 mm Tpr Bush Kit | 910041  | 28 x 10 x 246          | 35,0      |
| TA10507MTBS x 120 mm Tpr Bush Kit | 910040  | 32 x 11 x 246          | 31,6      |
| TA10507MTBS x 125 mm Tpr Bush Kit | 910039  | 32 x 11 x 246          | 29,9      |
| TA10507MTBS x 130 mm Tpr Bush Kit | 910038  | 32 x 11 x 246          | 27,7      |
| Straight                          |         |                        |           |
| Max Bore TA10507H-M x 150 mm      |         | 36 x 12 x 353          |           |

### Harsh Duty Accessories

| Description                                    | Part No | Weight kg |
|--|---------|-----------|
| Filter Breather (ceramic 40 micron)            | 430049  | 0,1       |
| TA10-TA12 Hydra-Lock Dessicant Breather Kit    | 964366  | 0,5       |
| TA10507 Closed Aluminum Bushing cover          | 910114  | 2,0       |
| TA10507 Open/split Aluminum Bushing cover      | 910115  | 2,0       |
| TA10 V-ring seal kit for shaft mounted reducer | 910249  | 0,3       |

### Accessories

| Description                    | Part No | Weight kg |
|--------------------------------|---------|-----------|
| TA10507RA TA Rod Assembly      | 910109  | 39,5      |
| TA10507MM IEC Motor Mount Assy | 910092  | 131,3     |
| TA10507CF Metric Cool Fan Assy | 910107  | 5,6       |
| TA10507BS Backstop Assembly    | 910102  | 10,7      |
| TA10507BS 40:1 Backstop Assy   | 910103  | 11,4      |
| TA10507BG Belt Guard - Pos, B  | 910096  | 71,9      |
| TA4-TA12 Vertical Breather Kit | 904112  | 1,4       |
| TA4-TA12 Vertical Breather Kit | 904112  | 1,4       |

### Twin Tapered Bushings (inch bushings)

| Description                 | Part No | Shaft Keyseat required | Weight kg |
|-----------------------------|---------|------------------------|-----------|
| Twin Tapered Standard Shaft |         |                        |           |
| TA10507TB x 6               | 910020  | 1-1/2 x 3/4 x 15.46    | 18,5      |
| TA10507TB x 5-15/16         | 910021  | 1-1/2 x 3/4 x 15.46    | 19,6      |
| TA10507TB x 5-7/16          | 910022  | 1-1/4 x 5/8 x 15.46    | 22,7      |
| TA10507TB x 4-15/16         | 910023  | 1-1/4 x 5/8 x 15.46    | 26,2      |
| TA10507TB x 4-7/16          | 910024  | 1 x 1/2 x 15.46        | 24,0      |
| TA10507TB x 4-3/16          | 910025  | 1 x 1/2 x 15.46        | 29,8      |
| TA10507TB x 3-15/16         | 910026  | 1 x 1/2 x 15.46        | 31,0      |

### Twin Tapered Bushings (inch bushings)

| Description              | Part No | Shaft Keyseat required | Weight kg |
|--------------------------|---------|------------------------|-----------|
| Twin Tapered Short Shaft |         |                        |           |
| TA10507TBS x 5-7/16      | 910027  | 1-1/4 x 5/8 x 9.67     | 21,4      |
| TA10507TBS x 4-15/16     | 910028  | 1-1/4 x 5/8 x 9.67     | 30,4      |
| TA10507TBS x 4-7/16      | 910029  | 1 x 1/2 x 9.67         | 34,3      |
| TA10507TBS x 4-3/16      | 910030  | 1 x 1/2 x 9.67         | 36,5      |
| TA10507TBS x 3-15/16     | 910031  | 1 x 1/2 x 9.67         | 38,7      |

# Metric Torque-Arm® II

## Dimensions

### Part Numbers

## TA12608H-M

### Reducer

| Description                      | Part No | Ref. Code | Actual Ratio | Weight kg |
|----------------------------------|---------|-----------|--------------|-----------|
| Twin Tapered Reducer             |         |           |              |           |
| TA12608H15M Metric Tpr Bush Red  | 912007  | M         | 14,8         | 632,3     |
| TA12608H25M Metric Tpr Bush Red  | 912006  | M         | 25,0         | 633,6     |
| TA12608H40M Metric Tpr Bush Red  | 912005  | M         | 38,2         | 632,7     |
| Straight Hub Reducer             |         |           |              |           |
| TA12608H15MS x 190 mm Str Br Red | 912012  | M         | 14,8         | 630,5     |
| TA12608H25MS x 190 mm Str Br Red | 912011  | M         | 25,0         | 631,8     |
| TA12608H40MS x 190 mm Str Br Red | 912010  | M         | 38,2         | 630,9     |

### Twin Tapered Bushings

| Description                      | Part No | Shaft Keyseat required | Weight kg |
|----------------------------------|---------|------------------------|-----------|
| Twin Tapered Standard Shaft      |         |                        |           |
| TA12608MTB X 125 MM TPR BUSH KIT | 912036  | 32 x 11 x 466          | 53,4      |
| TA12608MTB X 130 MM TPR BUSH KIT | 912035  | 32 x 11 x 466          | 51,0      |
| TA12608MTB X 150 MM TPR BUSH KIT | 912034  | 36 x 12 x 466          | 41,1      |
| TA12608MTB X 160 MM TPR BUSH KIT | 912033  | 40 x 13 x 466          | 35,5      |

### Twin Tapered Bushings

| Description                       | Part No | Shaft Keyseat required | Weight kg |
|-----------------------------------|---------|------------------------|-----------|
| Twin Tapered Short Shaft          |         |                        |           |
| TA12608MTBS x 125 mm SS Bush Kit  | 912040  | 32 x 11 x 295          | 53,4      |
| TA12608MTBS x 130 mm SS Bush Kit  | 912039  | 32 x 11 x 295          | 51,0      |
| TA12608MTBS x 150 mm SS Bush Kit  | 912038  | 36 x 12 x 295          | 41,1      |
| TA12608MTBS x 160 mm Tpr Bush Kit | 912037  | 40 x 13 x 295          | 35,5      |
| Straight                          |         |                        |           |
| Max Bore TA12608H-M x 190 mm      |         | 45 x 15 x 424          |           |

### Harsh Duty Accessories

| Description                                    | Part No | Weight kg |
|--|---------|-----------|
| Filter Breather (ceramic 40 micron)            | 430049  | 0,1       |
| TA10-TA12 Hydra-Lock Dessicant Breather Kit    | 964366  | 0,5       |
| TA12608 Closed Aluminum Bushing cover          | 912114  | 2,0       |
| TA12608 Open/split Aluminum Bushing cover      | 912115  | 2,0       |
| TA12 V-ring seal kit for shaft mounted reducer | 912249  | 0,3       |

### Accessories

| Description                    | Part No | Weight kg |
|--------------------------------|---------|-----------|
| TA12608RA TA Rod Assembly      | 912109  | 48,4      |
| TA12608MM IEC Motor Mount Assy | 912092  | 131,7     |
| TA12608CF Metric Cool Fan Assy | 912107  | 6,2       |
| TA12608BS Backstop Assembly    | 912102  | 18,2      |
| TA12608BS 40:1 Backstop Assy   | 912103  | 18,7      |
| TA12608BG Belt Guard - Pos, B  | 912096  | 86,6      |
| TA4-TA12 Vertical Breather Kit | 904112  | 1,4       |

### Twin Tapered Bushings (inch bushings)

| Description                 | Part No | Shaft Keyseat required | Weight kg |
|-----------------------------|---------|------------------------|-----------|
| Twin Tapered Standard Shaft |         |                        |           |
| TA12608TB x 7               | 912020  | 1-3/4 x 3/4 x 18.32    | 26,4      |
| TA12608TB x 6-1/2           | 912021  | 1-1/2 x 3/4 x 18.32    | 30,8      |
| TA12608TB x 6-7/16          | 912022  | 1-1/2 x 3/4 x 18.32    | 31,4      |
| TA12608TB x 6               | 912023  | 1-1/2 x 3/4 x 18.32    | 35,4      |
| TA12608TB x 5-15/16         | 912024  | 1-1/2 x 3/4 x 18.32    | 36,0      |
| TA12608TB x 5-7/16          | 912025  | 1-1/4 x 5/8 x 18.32    | 39,3      |

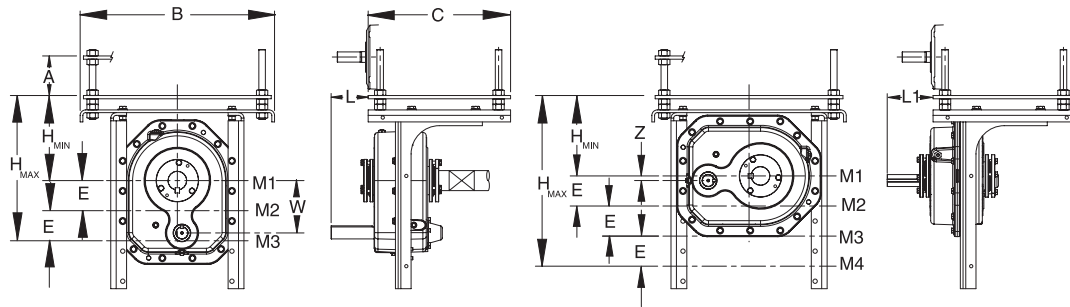
### Twin Tapered Bushings (inch bushings)

| Description              | Part No | Shaft Keyseat required | Weight kg |
|--------------------------|---------|------------------------|-----------|
| Twin Tapered Short Shaft |         |                        |           |
| TA12608TBS x 6-1/2       | 912027  | 1-1/2 x 3/4 x 11.60    | 33,3      |
| TA12608TBS x 6-7/16      | 912028  | 1-1/2 x 3/4 x 11.60    | 34,3      |
| TA12608TBS x 6           | 912029  | 1-1/2 x 3/4 x 11.60    | 41,1      |
| TA12608TBS x 5-15/16     | 912030  | 1-1/2 x 3/4 x 11.60    | 42,0      |
| TA12608TBS x 5-7/16      | 912031  | 1-1/4 x 5/8 x 11.60    | 48,1      |

# Metric Torque-Arm® II

## Dimensions

### Motor Mount - Drawings



### Motor Mount Dimensions (mm)

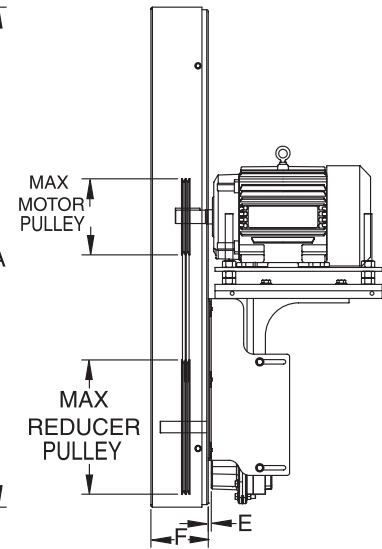
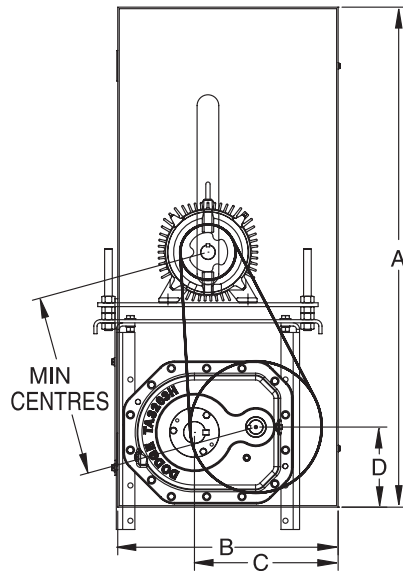
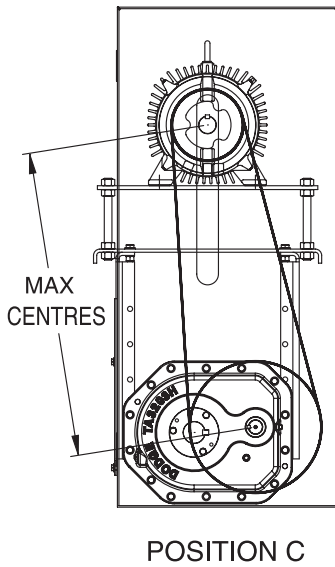
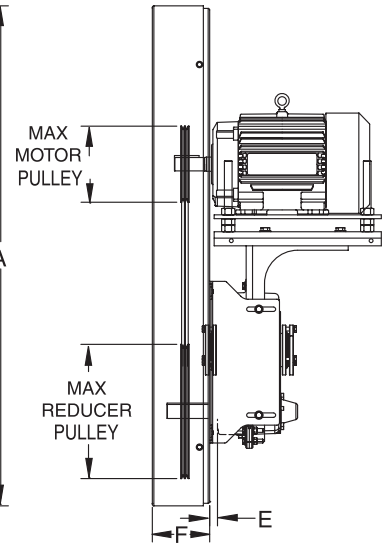
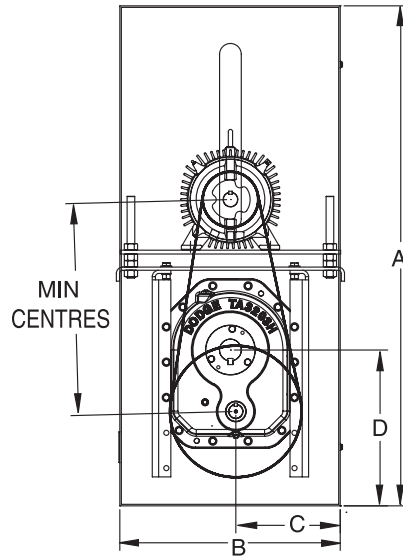
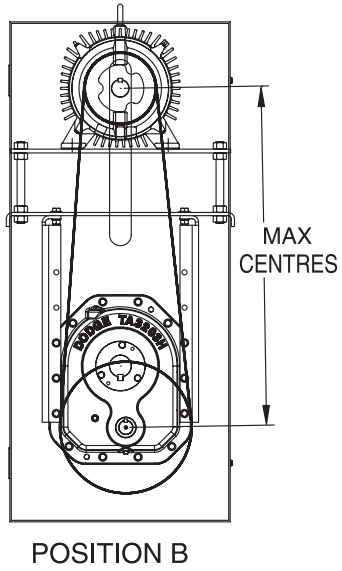
| Size     | Weight<br>kg | A   | B   | C   | D   | D1  | E   | H   |     | H1  |     | L   |     | L1  |     | W     | Z   |
|----------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
|          |              |     |     |     |     |     |     | Min | Max | Min | Max | Min | Max | Min | Max |       |     |
| TA0107L  | 16,1         | 109 | 416 | 267 | 259 | 309 | 60  | 249 | 369 | 236 | 417 | 53  | 140 | 77  | 164 | 87    | 23  |
| TA1107H  | 17,9         | 122 | 457 | 349 | 294 | 349 | 66  | 183 | 315 | 183 | 381 | 52  | 139 | 76  | 163 | 114,0 | 0,0 |
| TA2115H  | 24           | 107 | 508 | 349 | 343 | 405 | 78  | 230 | 385 | 227 | 460 | 59  | 146 | 86  | 173 | 138   | 0,0 |
| TA3203H  | 39,6         | 116 | 568 | 416 | 390 | 457 | 88  | 249 | 424 | 235 | 498 | 55  | 187 | 78  | 213 | 153   | 13  |
| TA4207H  | 52           | 115 | 660 | 464 | 453 | 542 | 105 | 279 | 489 | 280 | 594 | 83  | 196 | 110 | 223 | 186   | 26  |
| TA5215H  | 55,7         | 114 | 672 | 470 | 517 | 627 | 130 | 321 | 580 | 299 | 688 | 119 | 232 | 147 | 259 | 216   | 42  |
| TA6307H  | 72,2         | 115 | 711 | 533 | 562 | 681 | 132 | 337 | 601 | 337 | 733 | 115 | 224 | 144 | 253 | 233   | 45  |
| TA7315H  | 83,8         | 115 | 856 | 533 | 638 | 827 | 152 | 376 | 681 | 406 | 863 | 121 | 231 | 153 | 263 | 229   | 131 |
| TA8407H  | 83,8         | 115 | 856 | 533 | 638 | 827 | 152 | 376 | 681 | 406 | 863 | 147 | 257 | 179 | 289 | 235   | 129 |
| TA9415H  | 125,4        | 109 | 782 | 610 | 737 | -   | 127 | 437 | 564 | N/A | N/A | 159 | 277 | N/A | N/A | 285   | 120 |
| TA10507H | 131,3        | 109 | 851 | 610 | 806 | -   | 136 | 510 | 646 | N/A | N/A | 177 | 295 | N/A | N/A | 505   | 0   |
| TA12608H | 131,7        | 109 | 871 | 610 | 826 | -   | 142 | 521 | 663 | N/A | N/A | 204 | 347 | N/A | N/A | 550   | 0   |

| Size     | Motor Frames Accomodated   |
|----------|--|
| TA0107L  | 63, 71, 80, 90S, 90L, 100L, 112M, 132S, 132M                       |
| TA1107H  | 63, 71, 80, 90S, 90L, 100L, 112M, 132S, 132M, 160M                 |
| TA2115H  | 80, 90S, 90L, 100L, 112M, 132S, 132M, 160M, 160L                   |
| TA3203H  | 80, 90S, 90L, 100L, 112M, 132S, 132M, 160M, 160L, 180M, 180L       |
| TA4207H  | 80, 90S, 90L, 100L, 112M, 132S, 132M, 160M, 160L, 180M, 180L, 200L |
| TA5215H  | 100L, 112M, 132S, 132M, 160M, 160L, 180M, 180L, 200L, 225S, 225M   |
| TA6307H  | 112M, 132S, 132M, 160M, 160L, 180M, 180L, 200L, 225S, 225M, 250M   |
| TA7315H  | 132S, 132M, 160M, 160L, 180M, 180L, 200L, 225S, 225M, 250M         |
| TA8407H  | 132S, 132M, 160M, 160L, 180M, 180L, 200L, 225S, 225M, 250M         |
| TA9415H  | 160M, 160L, 180M, 180L, 200L, 225S, 225M, 250M, 280S, 280M         |
| TA10507H | 160M, 160L, 180M, 180L, 200L, 225S, 225M, 250M, 280S, 280M         |
| TA12608H | 160M, 160L, 180M, 180L, 200L, 225S, 225M, 250M, 280S, 280M         |

# Metric Torque-Arm® II

## Dimensions

### Belt Guards - Drawings



# Metric Torque-Arm® II

## Dimensions

### Metric Belt Guard Dimensions (mm)

| Case Size | Mounting Position | Centres |      | Max Pulley Dia |         | A    | B   | C   | D   | E   |     | F   |
|-----------|-------------------|---------|------|----------------|---------|------|-----|-----|-----|-----|-----|-----|
|           |                   | Min     | Max  | Motor          | Reducer |      |     |     |     | Min | Max |     |
| TA0107L   | B                 | 423     | 682  | 279            | 315     | 1054 | 406 | 203 | 298 | 1   | 42  | 107 |
|           | C                 | 365     | 647  | 289            | 312     | 1054 | 406 | 265 | 186 | 1   | 42  | 107 |
| TA1107H   | B                 | 406     | 711  | 274            | 325     | 1054 | 406 | 203 | 298 | 0   | 40  | 107 |
|           | C                 | 406     | 668  | 239            | 239     | 1054 | 406 | 293 | 140 | 0   | 41  | 107 |
| TA2115H   | B                 | 452     | 790  | 218            | 325     | 1105 | 489 | 244 | 323 | 5   | 41  | 107 |
|           | C                 | 427     | 734  | 236            | 312     | 1105 | 489 | 332 | 178 | 5   | 40  | 107 |
| TA3203H   | B                 | 480     | 871  | 234            | 427     | 1245 | 549 | 274 | 388 | 1   | 65  | 143 |
|           | C                 | 381     | 787  | 401            | 356     | 1245 | 549 | 359 | 186 | 2   | 68  | 143 |
| TA4207H   | B                 | 554     | 973  | 262            | 428     | 1359 | 625 | 312 | 421 | 0   | 63  | 143 |
|           | C                 | 570     | 902  | 419            | 403     | 1359 | 625 | 409 | 211 | 3   | 69  | 143 |
| TA5215H   | B                 | 652     | 1120 | 299            | 453     | 1537 | 701 | 351 | 464 | 0   | 62  | 162 |
|           | C                 | 650     | 1006 | 471            | 430     | 1537 | 701 | 453 | 244 | 2   | 67  | 162 |
| TA6307H   | B                 | 675     | 1182 | 325            | 504     | 1638 | 739 | 359 | 506 | 0   | 90  | 174 |
|           | C                 | 681     | 1040 | 533            | 507     | 1638 | 739 | 456 | 272 | 0   | 91  | 174 |
| TA7315H   | B                 | 750     | 1285 | 305            | 635     | 1816 | 777 | 470 | 594 | 0   | 113 | 187 |
|           | C                 | 725     | 1108 | 559            | 635     | 1816 | 777 | 569 | 260 | 0   | 81  | 187 |
| TA8407H   | B                 | 755     | 1290 | 305            | 641     | 1816 | 777 | 342 | 359 | 0   | 105 | 187 |
|           | C                 | 729     | 1112 | 559            | 625     | 1816 | 777 | 569 | 260 | 0   | 73  | 187 |
| TA9415H   | B                 | 889     | 1249 | 391            | 712     | 1842 | 803 | 497 | 666 | 0   | 89  | 213 |
| TA10507H  | B                 | 1174    | 1545 | 589            | 782     | 2273 | 828 | 414 | 918 | 0   | 90  | 225 |
| TA12608H  | B                 | 1230    | 1607 | 462            | 782     | 2273 | 828 | 414 | 963 | 0   | 90  | 225 |

# Metric Torque-Arm® II

## Dimensions

### Minimum Reducer Shaft V-Belt Pulley Diameters (mm)

| Output RPM   | TA0107L | TA1107H | TA2115H | TA3203H | TA4207H | TA5215H | TA6307H | TA7315H | TA8407H | TA9415H | TA10507H | TA12608H |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|
| 31:1 to 40:1 |         |         |         |         |         |         |         |         |         |         |          |          |
| 10           | 102     | 127     | 93      | 117     | 126     | 173     | 161     | 157     | 157     | 203     | 216      | 436      |
| 20           | 102     | 121     | 92      | 111     | 120     | 165     | 159     | 157     | 157     | 203     | 216      | 436      |
| 30           | 102     | 117     | 92      | 105     | 115     | 160     | 159     | 157     | 157     | 203     | 216      | 436      |
| 40           | 102     | 114     | 80      | 102     | 110     | 156     | 157     | 157     | 157     | 203     | 216      | 435      |
| 50           | 102     | 111     | 78      | 102     | 107     | 153     | 157     | 157     | 157     | 203     | 216      | 436      |
| 25:1         |         |         |         |         |         |         |         |         |         |         |          |          |
| 10           | 102     | 162     | 85      | 117     | 141     | 155     | 160     | 157     | 157     | 203     | 216      | 241      |
| 20           | 102     | 148     | 84      | 112     | 134     | 148     | 159     | 157     | 157     | 203     | 216      | 241      |
| 30           | 102     | 144     | 79      | 110     | 128     | 144     | 159     | 157     | 157     | 203     | 216      | 241      |
| 40           | 102     | 140     | 79      | 107     | 123     | 140     | 157     | 157     | 157     | 203     | 216      | 241      |
| 50           | 102     | 137     | 78      | 106     | 119     | 138     | 157     | 157     | 157     | 203     | 216      | 242      |
| 60           | 102     | 135     | 78      | 104     | 116     | 136     | 157     | 157     | 157     | 203     | 216      | 246      |
| 70           | 102     | 133     | 77      | 103     | 113     | 134     | 158     | 157     | 157     | 203     | 227      | 272      |
| 80           | 102     | 131     | 78      | 102     | 111     | 132     | 159     | 157     | 157     | 203     | 240      | 272      |
| 15:1         |         |         |         |         |         |         |         |         |         |         |          |          |
| 10           | 102     | 141     | 85      | 118     | 206     | 180     | 162     | 157     | 157     | 260     | 276      | 348      |
| 20           | 102     | 134     | 80      | 113     | 196     | 172     | 159     | 157     | 157     | 271     | 274      | 368      |
| 30           | 102     | 130     | 80      | 109     | 187     | 167     | 159     | 157     | 157     | 275     | 267      | 381      |
| 40           | 102     | 126     | 79      | 108     | 180     | 163     | 157     | 157     | 157     | 275     | 274      | 390      |
| 50           | 102     | 124     | 81      | 107     | 174     | 160     | 158     | 157     | 157     | 275     | 288      | 398      |
| 60           | 102     | 121     | 87      | 105     | 170     | 157     | 157     | 157     | 170     | 273     | 304      | 404      |
| 70           | 102     | 119     | 90      | 104     | 166     | 155     | 158     | 157     | 181     | 271     | 321      | 410      |
| 80           | 102     | 118     | 92      | 102     | 163     | 153     | 159     | 157     | 192     | 268     | 339      | 397      |
| 90           | 102     | 116     | 95      | 102     | 160     | 145     | 160     | 157     | 201     | 262     | 344      | 386      |
| 100          | 102     | 115     | 93      | 102     | 157     | 138     | 164     | 157     | 208     | 257     | 344      | 384      |
| 110          | 102     | 114     | 95      | 102     | 153     | 132     | 167     | 157     | 216     | 254     | 344      | 384      |
| 120          | 102     | 112     | 94      | 102     | 147     | 127     | 171     | 157     | 222     | 258     | 344      | 384      |
| 09:1         |         |         |         |         |         |         |         |         |         |         |          |          |
| 80           | 134     | 195     | 152     | 129     | 257     | 231     | 243     | 200     |         |         |          |          |
| 90           | 133     | 192     | 157     | 133     | 251     | 225     | 253     | 207     |         |         |          |          |
| 100          | 131     | 188     | 158     | 137     | 245     | 220     | 261     | 212     |         |         |          |          |
| 110          | 130     | 184     | 156     | 138     | 240     | 216     | 267     | 216     |         |         |          |          |
| 120          | 128     | 181     | 154     | 141     | 236     | 211     | 274     | 216     |         |         |          |          |
| 130          | 127     | 178     | 153     | 144     | 232     | 201     | 275     | 217     |         |         |          |          |
| 140          | 124     | 176     | 153     | 144     | 228     | 193     | 277     | 218     |         |         |          |          |
| 150          | 121     | 169     | 158     | 145     | 223     | 183     | 277     | 217     |         |         |          |          |
| 160          | 119     | 165     | 158     | 145     | 217     | 174     | 275     | 217     |         |         |          |          |
| 170          | 117     | 162     | 159     | 145     | 212     | 166     | 273     | 215     |         |         |          |          |
| 180          | 115     | 158     | 161     | 140     | 206     | 160     | 266     | 211     |         |         |          |          |
| 190          | 113     | 155     | 162     | 141     | 202     | 153     | 260     | 207     |         |         |          |          |
| 200          | 111     | 153     | 164     | 141     | 197     | 147     | 254     | 204     |         |         |          |          |



# Metric Torque-Arm® II

## Dimensions

### Minimum Reducer Shaft V-Belt Pulley Diameters (mm)

| Output RPM | TA0107L | TA1107H | TA2115H | TA3203H | TA4207H | TA5215H | TA6307H | TA7315H | TA8407H | TA9415H | TA10507H | TA12608H |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|
| 05:1       |         |         |         |         |         |         |         |         |         |         |          |          |
| 90         | 235     | 317     | 165     | 278     | 252     | 352     | 383     | 377     |         |         |          |          |
| 100        | 226     | 305     | 165     | 232     | 245     | 334     | 385     | 358     |         |         |          |          |
| 110        | 218     | 294     | 165     | 210     | 241     | 316     | 377     | 339     |         |         |          |          |
| 120        | 211     | 285     | 169     | 195     | 237     | 301     | 368     | 327     |         |         |          |          |
| 130        | 205     | 276     | 164     | 188     | 235     | 290     | 366     | 318     |         |         |          |          |
| 140        | 199     | 267     | 162     | 183     | 233     | 285     | 365     | 312     |         |         |          |          |
| 150        | 194     | 259     | 161     | 178     | 231     | 283     | 364     | 307     |         |         |          |          |
| 160        | 190     | 253     | 160     | 178     | 229     | 275     | 358     | 303     |         |         |          |          |
| 170        | 185     | 247     | 159     | 178     | 229     | 267     | 356     | 300     |         |         |          |          |
| 180        | 182     | 242     | 159     | 178     | 230     | 263     | 354     | 298     |         |         |          |          |
| 190        | 178     | 236     | 154     | 178     | 231     | 257     | 352     | 297     |         |         |          |          |
| 200        | 175     | 231     | 154     | 178     | 233     | 251     | 352     | 297     |         |         |          |          |
| 210        | 171     | 226     | 149     | 178     | 236     | 246     | 341     | 293     |         |         |          |          |
| 220        | 167     | 221     | 149     | 178     | 239     | 240     | 330     | 288     |         |         |          |          |
| 230        | 163     | 217     | 145     | 178     | 243     | 235     | 323     | 285     |         |         |          |          |
| 240        | 160     | 212     | 146     | 178     | 249     | 231     | 317     | 283     |         |         |          |          |
| 250        | 156     | 208     | 142     | 178     | 244     | 228     | 311     | 281     |         |         |          |          |
| 260        | 153     | 205     | 143     | 178     | 239     | 221     | 307     | 279     |         |         |          |          |
| 270        | 150     | 201     | 140     | 178     | 235     | 218     | 305     | 278     |         |         |          |          |
| 280        | 147     | 198     | 136     | 178     | 231     | 215     | 303     | 277     |         |         |          |          |
| 290        | 145     | 195     | 133     | 178     | 227     | 210     | 301     | 276     |         |         |          |          |
| 300        | 142     | 192     | 134     | 178     | 224     | 207     | 300     | 276     |         |         |          |          |
| 310        | 140     | 188     | 131     | 178     | 220     | 205     | 296     | 276     |         |         |          |          |
| 320        | 137     | 186     | 128     | 178     | 217     | 203     | 294     | 275     |         |         |          |          |
| 330        | 135     | 183     | 125     | 178     | 214     | 202     | 292     | 275     |         |         |          |          |
| 340        | 132     | 181     | 123     | 178     | 210     | 198     | 290     | 275     |         |         |          |          |
| 350        | 130     | 178     | 124     | 178     | 207     | 196     | 284     | 268     |         |         |          |          |
| 360        | 127     | 176     | 121     | 178     | 205     | 195     | 282     | 262     |         |         |          |          |
| 370        | 127     | 174     | 118     | 178     | 202     | 194     | 277     | 255     |         |         |          |          |
| 380        | 127     | 172     | 116     | 178     | 199     | 191     | 272     | 249     |         |         |          |          |
| 390        | 127     | 170     | 113     | 178     | 196     | 190     | 267     | 244     |         |         |          |          |
| 400        | 127     | 167     | 111     | 178     | 192     | 190     | 263     | 240     |         |         |          |          |

# Metric Torque-Arm® II

## Dimensions

### Nominal Pulley Ratios required for 5:1, 9:1, 15:1, 25:1, 31:1, 32:1, 33:1 & 40:1

| Reducer Output RPM | Nominal Reducer Ratio5:1 |      | Reducer Output RPM | Nominal Reducer Ratio9:1 |      | Reducer Output RPM | Nominal Reducer Ratio15:1 |      | Reducer Output RPM | Nominal Reducer Ratio25:1 |      | Reducer Output RPM | Nominal Reducer Ratio33:1, 32:1, 33:1 |      |
|--------------------|--------------------------|------|--------------------|--------------------------|------|--------------------|---------------------------|------|--------------------|---------------------------|------|--------------------|---------------------------------------|------|
|                    | Motor Speed              |      |                    | Motor Speed              |      |                    | Motor Speed               |      |                    | Motor Speed               |      |                    | Motor Speed                           |      |
|                    | 1750                     | 1450 |                    | 1750                     | 1450 |                    | 1750                      | 1450 |                    | 1750                      | 1450 |                    | 1750                                  | 1450 |
| 400                | 1,14                     | 1,38 | 200                | 1,03                     | 1,24 | 120                | 1,03                      | 1,24 | 80                 | 1,14                      | 1,38 | 50                 | 1,09                                  | 1,10 |
| 395                | 1,13                     | 1,36 | 198                | 1,02                     | 1,23 | 118                | 1,01                      | 1,22 | 78                 | 1,11                      | 1,34 | 48                 | 1,14                                  | 1,06 |
| 390                | 1,11                     | 1,34 | 196                | 1,01                     | 1,22 | 116                | 1,01                      | 1,20 | 76                 | 1,09                      | 1,31 | 46                 | 1,19                                  | 1,02 |
| 385                | 1,10                     | 1,33 | 194                | 1,00                     | 1,20 | 114                | 1,02                      | 1,18 | 74                 | 1,06                      | 1,28 | 44                 | 1,24                                  | 1,03 |
| 380                | 1,09                     | 1,31 | 192                | 1,01                     | 1,19 | 112                | 1,04                      | 1,16 | 72                 | 1,03                      | 1,24 | 42                 | 1,30                                  | 1,08 |
| 375                | 1,07                     | 1,29 | 190                | 1,02                     | 1,18 | 110                | 1,06                      | 1,14 | 70                 | 1,00                      | 1,21 | 40                 | 1,37                                  | 1,13 |
| 370                | 1,06                     | 1,28 | 188                | 1,03                     | 1,17 | 108                | 1,08                      | 1,12 | 68                 | 1,03                      | 1,17 | 38                 | 1,44                                  | 1,19 |
| 365                | 1,04                     | 1,26 | 186                | 1,05                     | 1,15 | 106                | 1,10                      | 1,10 | 66                 | 1,06                      | 1,14 | 36                 | 1,52                                  | 1,26 |
| 360                | 1,03                     | 1,24 | 184                | 1,06                     | 1,14 | 104                | 1,12                      | 1,08 | 64                 | 1,09                      | 1,10 | 34                 | 1,61                                  | 1,33 |
| 355                | 1,01                     | 1,22 | 182                | 1,07                     | 1,13 | 102                | 1,14                      | 1,06 | 62                 | 1,13                      | 1,07 | 32                 | 1,71                                  | 1,42 |
| 350                | 1,00                     | 1,21 | 180                | 1,08                     | 1,12 | 100                | 1,17                      | 1,03 | 60                 | 1,17                      | 1,03 | 30                 | 1,82                                  | 1,51 |
| 345                | 1,01                     | 1,19 | 178                | 1,09                     | 1,10 | 98                 | 1,19                      | 1,01 | 58                 | 1,21                      | 1,00 | 28                 | 1,95                                  | 1,62 |
| 340                | 1,03                     | 1,17 | 176                | 1,10                     | 1,09 | 96                 | 1,22                      | 1,01 | 56                 | 1,25                      | 1,04 | 26                 | 2,10                                  | 1,74 |
| 335                | 1,04                     | 1,16 | 174                | 1,12                     | 1,08 | 94                 | 1,24                      | 1,03 | 54                 | 1,30                      | 1,07 | 24                 | 2,28                                  | 1,89 |
| 330                | 1,06                     | 1,14 | 172                | 1,13                     | 1,07 | 92                 | 1,27                      | 1,05 | 52                 | 1,35                      | 1,12 | 22                 | 2,49                                  | 2,06 |
| 325                | 1,08                     | 1,12 | 170                | 1,14                     | 1,06 | 90                 | 1,30                      | 1,07 | 50                 | 1,40                      | 1,16 | 20                 | 2,73                                  | 2,27 |
| 320                | 1,09                     | 1,10 | 168                | 1,16                     | 1,04 | 88                 | 1,33                      | 1,10 | 48                 | 1,46                      | 1,21 | 18                 | 3,04                                  | 2,52 |
| 315                | 1,11                     | 1,09 | 166                | 1,17                     | 1,03 | 86                 | 1,36                      | 1,12 | 46                 | 1,52                      | 1,26 | 16                 | 3,42                                  | 2,83 |
| 310                | 1,13                     | 1,07 | 164                | 1,19                     | 1,02 | 84                 | 1,39                      | 1,15 | 44                 | 1,59                      | 1,32 | 14                 | 3,91                                  | 3,24 |
| 305                | 1,15                     | 1,05 | 162                | 1,20                     | 1,01 | 82                 | 1,42                      | 1,18 | 42                 | 1,67                      | 1,38 | 12                 | 4,56                                  | 3,78 |
| 300                | 1,17                     | 1,03 | 160                | 1,22                     | 1,01 | 80                 | 1,46                      | 1,21 | 40                 | 1,75                      | 1,45 | 10                 | 5,47                                  | 4,53 |
| 295                | 1,19                     | 1,02 | 158                | 1,23                     | 1,02 | 78                 | 1,50                      | 1,24 | 38                 | 1,84                      | 1,53 | 8                  | 6,84                                  | 5,66 |
| 290                | 1,21                     | 1,00 | 156                | 1,25                     | 1,03 | 76                 | 1,54                      | 1,27 | 36                 | 1,94                      | 1,61 | 6                  | 9,11                                  | 7,55 |
| 285                | 1,23                     | 1,02 | 154                | 1,26                     | 1,05 | 74                 | 1,58                      | 1,31 | 34                 | 2,06                      | 1,71 |                    |                                       |      |
| 280                | 1,25                     | 1,04 | 152                | 1,28                     | 1,06 | 72                 | 1,62                      | 1,34 | 32                 | 2,19                      | 1,81 |                    |                                       |      |
| 275                | 1,27                     | 1,05 | 150                | 1,30                     | 1,07 | 70                 | 1,67                      | 1,38 | 30                 | 2,33                      | 1,93 |                    |                                       |      |
| 270                | 1,30                     | 1,07 | 148                | 1,31                     | 1,09 | 68                 | 1,72                      | 1,42 | 28                 | 2,50                      | 2,07 |                    |                                       |      |
| 265                | 1,32                     | 1,09 | 146                | 1,33                     | 1,10 | 66                 | 1,77                      | 1,46 | 26                 | 2,69                      | 2,23 |                    |                                       |      |
| 260                | 1,35                     | 1,12 | 144                | 1,35                     | 1,12 | 64                 | 1,82                      | 1,51 | 24                 | 2,92                      | 2,42 |                    |                                       |      |
| 255                | 1,37                     | 1,14 | 142                | 1,37                     | 1,13 | 62                 | 1,88                      | 1,56 | 22                 | 3,18                      | 2,64 |                    |                                       |      |
| 250                | 1,40                     | 1,16 | 140                | 1,39                     | 1,15 | 60                 | 1,94                      | 1,61 | 20                 | 3,50                      | 2,90 |                    |                                       |      |
| 245                | 1,43                     | 1,18 | 138                | 1,41                     | 1,17 | 58                 | 2,01                      | 1,67 | 18                 | 3,89                      | 3,22 |                    |                                       |      |
| 240                | 1,46                     | 1,21 | 136                | 1,43                     | 1,18 | 56                 | 2,08                      | 1,73 | 16                 | 4,38                      | 3,63 |                    |                                       |      |
| 235                | 1,49                     | 1,23 | 134                | 1,45                     | 1,20 | 54                 | 2,16                      | 1,79 | 14                 | 5,00                      | 4,14 |                    |                                       |      |
| 230                | 1,52                     | 1,26 | 132                | 1,47                     | 1,22 | 52                 | 2,24                      | 1,86 | 12                 | 5,83                      | 4,83 |                    |                                       |      |

# Metric Torque-Arm® II

## Dimensions

### Nominal Pulley Ratios required for 5:1, 9:1, 15:1, 25:1, 31:1, 32:1, 33:1 & 40:1

| Reducer Output RPM | Nominal Reducer Ratio5:1 |      | Reducer Output RPM | Nominal Reducer Ratio9:1 |      | Reducer Output RPM | Nominal Reducer Ratio15:1 |      | Reducer Output RPM | Nominal Reducer Ratio25:1 |      | Reducer Output RPM | Nominal Reducer Ratio33:1, 32:1, 33:1 |      |
|--------------------|--------------------------|------|--------------------|--------------------------|------|--------------------|---------------------------|------|--------------------|---------------------------|------|--------------------|---------------------------------------|------|
|                    | Motor Speed              |      |                    | Motor Speed              |      |                    | Motor Speed               |      |                    | Motor Speed               |      |                    | Motor Speed                           |      |
|                    | 1750                     | 1450 |                    | 1750                     | 1450 |                    | 1750                      | 1450 |                    | 1750                      | 1450 |                    | 1750                                  | 1450 |
| 225                | 1,56                     | 1,29 | 130                | 1,50                     | 1,24 | 50                 | 2,33                      | 1,93 | 10                 | 7,00                      | 5,80 | 50                 | 1,14                                  | 1,38 |
| 220                | 1,59                     | 1,32 | 128                | 1,52                     | 1,26 | 48                 | 2,43                      | 2,01 | 8                  | 8,75                      | 7,25 | 48                 | 1,10                                  | 1,32 |
| 215                | 1,63                     | 1,35 | 126                | 1,54                     | 1,28 | 46                 | 2,54                      | 2,10 | 6                  | 11,67                     | 9,67 | 46                 | 1,05                                  | 1,27 |
| 210                | 1,67                     | 1,38 | 124                | 1,57                     | 1,30 | 44                 | 2,65                      | 2,20 |                    |                           |      | 44                 | 1,01                                  | 1,21 |
| 205                | 1,71                     | 1,41 | 122                | 1,59                     | 1,32 | 42                 | 2,78                      | 2,30 |                    |                           |      | 42                 | 1,04                                  | 1,16 |
| 200                | 1,75                     | 1,45 | 120                | 1,62                     | 1,34 | 40                 | 2,92                      | 2,42 |                    |                           |      | 40                 | 1,09                                  | 1,10 |
| 195                | 1,79                     | 1,49 | 118                | 1,65                     | 1,37 | 38                 | 3,07                      | 2,54 |                    |                           |      | 38                 | 1,15                                  | 1,05 |
| 190                | 1,84                     | 1,53 | 116                | 1,68                     | 1,39 | 36                 | 3,24                      | 2,69 |                    |                           |      | 36                 | 1,22                                  | 1,01 |
| 185                | 1,89                     | 1,57 | 114                | 1,71                     | 1,41 | 34                 | 3,43                      | 2,84 |                    |                           |      | 34                 | 1,29                                  | 1,07 |
| 180                | 1,94                     | 1,61 | 112                | 1,74                     | 1,44 | 32                 | 3,65                      | 3,02 |                    |                           |      | 32                 | 1,37                                  | 1,13 |
| 175                | 2,00                     | 1,66 | 110                | 1,77                     | 1,46 | 30                 | 3,89                      | 3,22 |                    |                           |      | 30                 | 1,46                                  | 1,21 |
| 170                | 2,06                     | 1,71 | 108                | 1,80                     | 1,49 | 28                 | 4,17                      | 3,45 |                    |                           |      | 28                 | 1,56                                  | 1,29 |
| 165                | 2,12                     | 1,76 | 106                | 1,83                     | 1,52 | 26                 | 4,49                      | 3,72 |                    |                           |      | 26                 | 1,68                                  | 1,39 |
| 160                | 2,19                     | 1,81 | 104                | 1,87                     | 1,55 | 24                 | 4,86                      | 4,03 |                    |                           |      | 24                 | 1,82                                  | 1,51 |
| 155                | 2,26                     | 1,87 | 102                | 1,91                     | 1,58 | 22                 | 5,30                      | 4,39 |                    |                           |      | 22                 | 1,99                                  | 1,65 |
| 150                | 2,33                     | 1,93 | 100                | 1,94                     | 1,61 | 20                 | 5,83                      | 4,83 |                    |                           |      | 20                 | 2,19                                  | 1,81 |
| 145                | 2,41                     | 2,00 |                    |                          |      | 18                 | 6,48                      | 5,37 |                    |                           |      | 18                 | 2,43                                  | 2,01 |
| 140                | 2,50                     | 2,07 |                    |                          |      | 16                 | 7,29                      | 6,04 |                    |                           |      | 16                 | 2,73                                  | 2,27 |
| 135                | 2,59                     | 2,15 |                    |                          |      | 14                 | 8,33                      | 6,90 |                    |                           |      | 14                 | 3,13                                  | 2,59 |
| 130                | 2,69                     | 2,23 |                    |                          |      | 12                 | 9,72                      | 8,06 |                    |                           |      | 12                 | 3,65                                  | 3,02 |
| 125                | 2,80                     | 2,32 |                    |                          |      | 10                 | 11,67                     | 9,67 |                    |                           |      | 10                 | 4,38                                  | 3,63 |
| 120                | 2,92                     | 2,42 |                    |                          |      |                    |                           |      |                    |                           |      | 8                  | 5,47                                  | 4,53 |
| 115                | 3,04                     | 2,52 |                    |                          |      |                    |                           |      |                    |                           |      | 6                  | 7,29                                  | 6,04 |
| 110                | 3,18                     | 2,64 |                    |                          |      |                    |                           |      |                    |                           |      |                    |                                       |      |
| 105                | 3,33                     | 2,76 |                    |                          |      |                    |                           |      |                    |                           |      |                    |                                       |      |
| 100                | 3,50                     | 2,90 |                    |                          |      |                    |                           |      |                    |                           |      |                    |                                       |      |

# Metric Torque-Arm® II

## Dimensions

### Output Torque Ratings (Nm) with Service Factor 1,0

| Output RPM   | TA0107L | TA1107H | TA2115H | TA3203H | TA4207H | TA5215H | TA6307H | TA7315H | TA8407H | TA9415H | TA10507H | TA12608H |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|
| 31:1 to 40:1 |         |         |         |         |         |         |         |         |         |         |          |          |
| 10           | 438     | 797     | 1261    | 1924    | 3234    | 5135    | 7371    | 11033   | 15599   | 21094   | 30635    | 37151    |
| 20           | 416     | 757     | 1252    | 1924    | 3187    | 5135    | 7029    | 10516   | 15012   | 21094   | 29162    | 37143    |
| 30           | 403     | 732     | 1241    | 1924    | 3042    | 5056    | 6817    | 10197   | 14557   | 20592   | 28252    | 37143    |
| 40           | 393     | 714     | 1231    | 1905    | 2924    | 4941    | 6661    | 9959    | 14221   | 20106   | 27576    | 37139    |
| 50           | 386     | 699     | 1198    | 1838    | 2833    | 4849    | 6535    | 9770    | 13950   | 19714   | 27035    | 37142    |
| 25:1         |         |         |         |         |         |         |         |         |         |         |          |          |
| 10           | 438     | 797     | 1261    | 1924    | 3234    | 5135    | 7371    | 11033   | 15599   | 21094   | 30627    | 37083    |
| 20           | 416     | 754     | 1261    | 1924    | 3188    | 5135    | 7030    | 10515   | 15012   | 21094   | 29018    | 37045    |
| 30           | 403     | 732     | 1261    | 1924    | 3042    | 5056    | 6817    | 10196   | 14558   | 20590   | 27394    | 37057    |
| 40           | 393     | 714     | 1231    | 1905    | 2924    | 4941    | 6661    | 9960    | 14220   | 20015   | 26669    | 37046    |
| 50           | 386     | 699     | 1198    | 1838    | 2833    | 4849    | 6535    | 9770    | 13950   | 19714   | 25445    | 37057    |
| 60           | 379     | 686     | 1163    | 1783    | 2758    | 4771    | 6429    | 9610    | 13723   | 19387   | 24642    | 37056    |
| 70           | 373     | 675     | 1126    | 1738    | 2696    | 4703    | 6337    | 9471    | 13526   | 19102   | 24060    | 37054    |
| 80           | 368     | 666     | 1082    | 1698    | 2642    | 4644    | 6257    | 9349    | 13352   | 18851   | 23611    | 35626    |
| 15:1         |         |         |         |         |         |         |         |         |         |         |          |          |
| 10           | 438     | 797     | 1261    | 1924    | 3234    | 5135    | 7370    | 11030   | 15599   | 21094   | 30629    | 37093    |
| 20           | 416     | 757     | 1261    | 1924    | 3188    | 5135    | 7029    | 10517   | 15013   | 20870   | 29015    | 37050    |
| 30           | 403     | 732     | 1261    | 1924    | 3042    | 5056    | 6817    | 10196   | 14557   | 20491   | 27397    | 37052    |
| 40           | 393     | 714     | 1231    | 1905    | 2924    | 4941    | 6661    | 9960    | 14220   | 20083   | 26673    | 37051    |
| 50           | 386     | 699     | 1183    | 1838    | 2832    | 4849    | 6535    | 9770    | 13832   | 19700   | 25450    | 37060    |
| 60           | 379     | 686     | 1156    | 1783    | 2758    | 4771    | 6429    | 9609    | 13658   | 19318   | 24640    | 37049    |
| 70           | 373     | 675     | 1125    | 1738    | 2695    | 4703    | 6338    | 9471    | 13481   | 18918   | 24057    | 37063    |
| 80           | 368     | 666     | 1090    | 1698    | 2642    | 4644    | 6257    | 9349    | 13335   | 18536   | 23606    | 35615    |
| 90           | 363     | 657     | 1065    | 1664    | 2596    | 4379    | 6100    | 9206    | 13171   | 17964   | 22900    | 34369    |
| 100          | 357     | 649     | 1027    | 1633    | 2554    | 4179    | 5984    | 8935    | 12995   | 17511   | 22184    | 33298    |
| 110          | 347     | 642     | 1002    | 1605    | 2479    | 3998    | 5867    | 8726    | 12840   | 17106   | 21563    | 32361    |
| 120          | 338     | 635     | 972     | 1580    | 2385    | 3850    | 5779    | 8504    | 12676   | 16791   | 21004    | 31533    |
| 09:1         |         |         |         |         |         |         |         |         |         |         |          |          |
| 80           | 368     | 666     | 1089    | 1686    | 2566    | 4311    | 6212    | 9186    |         |         |          |          |
| 90           | 363     | 653     | 1061    | 1659    | 2504    | 4204    | 6098    | 9023    |         |         |          |          |
| 100          | 359     | 640     | 1031    | 1630    | 2449    | 4109    | 5984    | 8852    |         |         |          |          |
| 110          | 355     | 628     | 998     | 1595    | 2400    | 4024    | 5868    | 8681    |         |         |          |          |
| 120          | 352     | 617     | 968     | 1569    | 2355    | 3928    | 5777    | 8460    |         |         |          |          |
| 130          | 347     | 608     | 943     | 1546    | 2314    | 3752    | 5654    | 8283    |         |         |          |          |
| 140          | 339     | 599     | 922     | 1516    | 2277    | 3592    | 5542    | 8115    |         |         |          |          |
| 150          | 333     | 575     | 912     | 1487    | 2225    | 3411    | 5428    | 7945    |         |         |          |          |
| 160          | 326     | 562     | 897     | 1458    | 2167    | 3246    | 5312    | 7776    |         |         |          |          |
| 170          | 320     | 551     | 883     | 1432    | 2115    | 3103    | 5197    | 7614    |         |         |          |          |
| 180          | 315     | 540     | 871     | 1386    | 2064    | 2974    | 5054    | 7403    |         |         |          |          |
| 190          | 310     | 529     | 859     | 1366    | 2016    | 2845    | 4930    | 7219    |         |         |          |          |
| 200          | 305     | 521     | 848     | 1345    | 1970    | 2732    | 4810    | 7047    |         |         |          |          |

# Metric Torque-Arm® II

## Dimensions

### Output Torque Ratings (Nm) with Service Factor 1,0

| Output RPM | TA0107L | TA1107H | TA2115H | TA3203H | TA4207H | TA5215H | TA6307H | TA7315H | TA8407H | TA9415H | TA10507H | TA12608H |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|
| 05:1       |         |         |         |         |         |         |         |         |         |         |          |          |
| 90         | 379     | 622     | 805     | 1406    | 1501    | 3534    | 5083    | 6583    |         |         |          |          |
| 100        | 365     | 598     | 780     | 1300    | 1501    | 3535    | 4930    | 6262    |         |         |          |          |
| 110        | 352     | 577     | 760     | 1226    | 1501    | 3341    | 4762    | 5997    |         |         |          |          |
| 120        | 341     | 558     | 752     | 1166    | 1501    | 3181    | 4608    | 5777    |         |         |          |          |
| 130        | 331     | 541     | 720     | 1124    | 1501    | 3047    | 4490    | 5589    |         |         |          |          |
| 140        | 322     | 524     | 698     | 1089    | 1501    | 2951    | 4389    | 5428    |         |         |          |          |
| 150        | 314     | 508     | 682     | 1054    | 1501    | 2878    | 4296    | 5287    |         |         |          |          |
| 160        | 306     | 496     | 666     | 1024    | 1501    | 2769    | 4194    | 5165    |         |         |          |          |
| 170        | 300     | 484     | 650     | 999     | 1489    | 2670    | 4109    | 5053    |         |         |          |          |
| 180        | 293     | 474     | 638     | 979     | 1461    | 2595    | 4035    | 4958    |         |         |          |          |
| 190        | 288     | 463     | 619     | 960     | 1437    | 2515    | 3962    | 4872    |         |         |          |          |
| 200        | 283     | 453     | 608     | 947     | 1415    | 2445    | 3900    | 4794    |         |         |          |          |
| 210        | 276     | 443     | 590     | 931     | 1400    | 2373    | 3806    | 4702    |         |         |          |          |
| 220        | 270     | 433     | 579     | 918     | 1384    | 2305    | 3717    | 4613    |         |         |          |          |
| 230        | 264     | 425     | 564     | 904     | 1375    | 2241    | 3641    | 4536    |         |         |          |          |
| 240        | 258     | 416     | 556     | 893     | 1373    | 2187    | 3571    | 4464    |         |         |          |          |
| 250        | 253     | 409     | 542     | 879     | 1346    | 2134    | 3504    | 4399    |         |         |          |          |
| 260        | 248     | 402     | 536     | 869     | 1321    | 2072    | 3449    | 4338    |         |         |          |          |
| 270        | 243     | 395     | 522     | 861     | 1299    | 2028    | 3402    | 4282    |         |         |          |          |
| 280        | 238     | 388     | 509     | 849     | 1277    | 1984    | 3358    | 4230    |         |         |          |          |
| 290        | 234     | 382     | 497     | 842     | 1256    | 1936    | 3312    | 4182    |         |         |          |          |
| 300        | 230     | 376     | 492     | 834     | 1239    | 1898    | 3277    | 4135    |         |         |          |          |
| 310        | 226     | 370     | 481     | 825     | 1217    | 1865    | 3230    | 4094    |         |         |          |          |
| 320        | 222     | 364     | 470     | 819     | 1199    | 1834    | 3191    | 4053    |         |         |          |          |
| 330        | 218     | 359     | 459     | 813     | 1180    | 1806    | 3153    | 4017    |         |         |          |          |
| 340        | 214     | 354     | 449     | 805     | 1162    | 1769    | 3118    | 3980    |         |         |          |          |
| 350        | 210     | 350     | 445     | 798     | 1146    | 1744    | 3071    | 3909    |         |         |          |          |
| 360        | 206     | 345     | 434     | 791     | 1131    | 1721    | 3034    | 3839    |         |         |          |          |
| 370        | 202     | 341     | 425     | 783     | 1116    | 1698    | 2989    | 3773    |         |         |          |          |
| 380        | 198     | 337     | 417     | 777     | 1102    | 1669    | 2946    | 3710    |         |         |          |          |
| 390        | 195     | 333     | 408     | 770     | 1081    | 1650    | 2903    | 3652    |         |         |          |          |
| 400        | 192     | 328     | 399     | 765     | 1059    | 1631    | 2863    | 3597    |         |         |          |          |

# Metric Torque-Arm® II

## Dimensions

### Thermal Power Ratings (kW) Without Fan

When no value is shown, thermal rating exceed mechanical rating

| Output RPM   | TA0107L* | TA1107H* | TA2115H* | TA3203H | TA4207H | TA5215H | TA6307H | TA7315H | TA8407H | TA9415H | TA10507H | TA12608H |
|--------------|----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|----------|----------|
| 31:1 to 40:1 |          |          |          |         |         |         |         |         |         |         |          |          |
| 10           | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 20           | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | 35,2    | 38,8    | 63,8     | 76,2     |
| 30           | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | 37,9    | 39,3    | 68,0     | 85,7     |
| 40           | ---      | ---      | ---      | ---     | ---     | ---     | 35,1    | 40,3    | 38,0    | 36,4    | 66,5     | 89,2     |
| 50           | ---      | ---      | ---      | ---     | ---     | 25,7    | 37,0    | 39,1    | 36,0    | 30,6    | 60,1     | 83,6     |
| 25:01:00     |          |          |          |         |         |         |         |         |         |         |          |          |
| 10           | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 20           | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | ---     | 45,1    | 69,8     | 82,0     |
| 30           | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | 44,5    | 49,1    | 76,8     | 93,5     |
| 40           | ---      | ---      | ---      | ---     | ---     | ---     | ---     | 51,0    | 47,2    | 50,1    | 79,4     | 99,1     |
| 50           | ---      | ---      | ---      | ---     | ---     | ---     | ---     | 52,2    | 48,1    | 48,5    | 77,8     | 98,8     |
| 60           | ---      | ---      | ---      | ---     | ---     | 34,3    | 45,9    | 52,0    | 47,4    | 44,7    | 72,4     | 92,6     |
| 70           | ---      | ---      | ---      | 12,2    | ---     | 33,8    | 47,6    | 50,5    | 45,3    | 38,7    | 63,4     | 80,0     |
| 80           | ---      | ---      | ---      | 11,7    | ---     | 32,8    | 48,9    | 47,7    | 41,6    | 30,6    | 50,7     | 61,0     |
| 15:01        |          |          |          |         |         |         |         |         |         |         |          |          |
| 10           | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 20           | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | 85,6     |
| 30           | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | 51,8    | 60,0    | 85,6     | 97,7     |
| 40           | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | 57,1    | 64,8    | 90,6     | 104,6    |
| 50           | ---      | ---      | ---      | ---     | ---     | ---     | ---     | 62,4    | 60,8    | 67,6    | 92,4     | 106,7    |
| 60           | ---      | ---      | ---      | ---     | ---     | ---     | 48,4    | 65,9    | 63,0    | 68,5    | 91,2     | 103,9    |
| 70           | ---      | ---      | ---      | ---     | ---     | ---     | 50,7    | 65,4    | 64,7    | 67,5    | 86,7     | 96,1     |
| 80           | ---      | ---      | ---      | ---     | ---     | 45,4    | 52,5    | 65,4    | 64,9    | 64,7    | 79,1     | 83,0     |
| 90           | ---      | ---      | ---      | 16,5    | ---     | 45,7    | 53,8    | 64,2    | 64,0    | 60,0    | 68,4     | 64,8     |
| 100          | ---      | ---      | ---      | 16,3    | ---     | 45,6    | 54,6    | 62,0    | 61,8    | 53,1    | 54,6     | 41,9     |
| 110          | ---      | ---      | ---      | 16,0    | ---     | 45,1    | 54,9    | 58,6    | 58,4    | 44,5    | 38,3     | 17,0     |
| 120          | ---      | ---      | 13,2     | 15,8    | ---     | 44,3    | 54,8    | 55,9    | 53,9    | 34,0    | 20,4     | 0        |
| 09:01        |          |          |          |         |         |         |         |         |         |         |          |          |
| 80           | ---      | ---      | ---      | ---     | ---     | ---     | 50,7    | 73,63   |         |         |          |          |
| 90           | ---      | ---      | ---      | ---     | ---     | ---     | 52,0    | 74,2    |         |         |          |          |
| 100          | ---      | ---      | ---      | ---     | ---     | ---     | 52,9    | 73,9    |         |         |          |          |
| 110          | ---      | ---      | ---      | 25,5    | ---     | ---     | 53,5    | 72,9    |         |         |          |          |
| 120          | ---      | ---      | ---      | 20,6    | ---     | ---     | 53,6    | 70,9    |         |         |          |          |
| 130          | ---      | ---      | ---      | 20,6    | ---     | ---     | 53,5    | 68,1    |         |         |          |          |
| 140          | ---      | ---      | ---      | 20,6    | ---     | ---     | 53,0    | 64,4    |         |         |          |          |
| 150          | ---      | ---      | ---      | 20,4    | ---     | 59,4    | 52,3    | 59,8    |         |         |          |          |
| 160          | ---      | ---      | 16,6     | 20,2    | ---     | 59,2    | 51,2    | 54,4    |         |         |          |          |
| 170          | ---      | ---      | 16,4     | 19,9    | 42,0    | 58,6    | 49,9    | 48,1    |         |         |          |          |
| 180          | ---      | ---      | 16,2     | 19,6    | 41,8    | 57,8    | 48,1    | 41,0    |         |         |          |          |
| 190          | ---      | ---      | 16,0     | 19,2    | 41,5    | 56,8    | 46,0    | 33,1    |         |         |          |          |
| 200          | ---      | ---      | 15,7     | 18,8    | 41,1    | 55,5    | 43,6    | 24,7    |         |         |          |          |

# Metric Torque-Arm® II

## Dimensions

### Thermal Power Ratings (kW) Without Fan

When no value is shown, thermal rating exceed mechanical rating

| Output RPM | TA0107L* | TA1107H* | TA2115H* | TA3203H | TA4207H | TA5215H | TA6307H | TA7315H | TA8407H | TA9415H | TA10507H | TA12608H |
|------------|----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|----------|----------|
| 05:01      |          |          |          |         |         |         |         |         |         |         |          |          |
| 90         | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 100        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 110        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 120        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 130        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 140        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 150        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 160        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 170        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 180        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 190        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 200        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 210        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 220        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 230        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 240        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 250        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 260        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 270        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | 104,5   | ---     | ---     | ---      | ---      |
| 280        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | 103,8   | ---     | ---     | ---      | ---      |
| 290        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | 103,0   | 139     | ---     | ---      | ---      |
| 300        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | 102,2   | 139     | ---     | ---      | ---      |
| 310        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | 101,2   | 138     | ---     | ---      | ---      |
| 320        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | 100,1   | 138     | ---     | ---      | ---      |
| 330        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | 98,8    | 137     | ---     | ---      | ---      |
| 340        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | 97,7    | 136,4   | ---     | ---      | ---      |
| 350        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | 96,0    | 135,6   | ---     | ---      | ---      |
| 360        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | 94,7    | 134,6   | ---     | ---      | ---      |
| 370        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | 93,1    | 133,5   | ---     | ---      | ---      |
| 380        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | 91,2    | 132,4   | ---     | ---      | ---      |
| 390        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | 89,4    | 131,1   | ---     | ---      | ---      |
| 400        | ---      | ---      | ---      | ---     | ---     | ---     | ---     | 87,4    | 129,8   | ---     | ---      | ---      |

# Metric Torque-Arm® II

## Dimensions

### Thermal Power Ratings (kW) With Fan

When no value is shown, thermal rating exceed mechanical rating

| Output RPM   | TA0107L | TA1107H | TA2115H | TA3203H | TA4207H | TA5215H | TA6307H | TA7315H | TA8407H | TA9415H | TA10507H | TA12608H |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|
| 31:1 to 40:1 |         |         |         |         |         |         |         |         |         |         |          |          |
| 10           | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | 61       |
| 20           | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | 56      | 78       | 84       |
| 30           | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | 52      | 68      | 91       | 99       |
| 40           | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | 58      | 77      | 99       | 107      |
| 50           | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | 62      | 83      | 102      | 107      |
| 25:01:00     |         |         |         |         |         |         |         |         |         |         |          |          |
| 10           | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 20           | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | 112      |
| 30           | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | 75      | 112      | 113      |
| 40           | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | 66      | 83      | 116      | 127      |
| 50           | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | 73      | 91      | 125      | 136      |
| 60           | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | 78      | 98      | 131      | 138      |
| 70           | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | 82      | 102     | 133      | 133      |
| 80           | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | 84      | 103     | 130      | 121      |
| 15:01        |         |         |         |         |         |         |         |         |         |         |          |          |
| 10           | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 20           | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 30           | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | 149      |
| 40           | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | 112     | ---      | 149      |
| 50           | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | 112     | 147      | 158      |
| 60           | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | 112     | 159      | 168      |
| 70           | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | 112     | 117     | 169      | 173      |
| 80           | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | 112     | 122     | 174      | 171      |
| 90           | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | 113     | 126     | 177      | 163      |
| 100          | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | 117     | 127     | 174      | 147      |
| 110          | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | 120     | 126     | 168      | 125      |
| 120          | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | 121     | 122     | 157      | 95       |
| 09:01        |         |         |         |         |         |         |         |         |         |         |          |          |
| 80           | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 90           | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 100          | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 110          | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 120          | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 130          | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 140          | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 150          | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 160          | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 170          | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 180          | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 190          | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 200          | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |



# Metric Torque-Arm® II

## Dimensions

### Thermal Power Ratings (kW) With Fan (Continued)

When no value is shown, thermal rating exceed mechanical rating

| Output RPM | TA0107L | TA1107H | TA2115H | TA3203H | TA4207H | TA5215H | TA6307H | TA7315H | TA8407H | TA9415H | TA10507H | TA12608H |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|
| 05:01      |         |         |         |         |         |         |         |         |         |         |          |          |
| 90         | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 100        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 110        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 120        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 130        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 140        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 150        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 160        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 170        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 180        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 190        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 200        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 210        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 220        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 230        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 240        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 250        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 260        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 270        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 280        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 290        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 300        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 310        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 320        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 330        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 340        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 350        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 360        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 370        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      |
| 380        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | 128     | ---     | ---      | ---      |
| 390        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | 127     | ---     | ---      | ---      |
| 400        | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | 126     | ---     | ---      | ---      |

# Metric Torque-Arm® II

## Dimensions

### Maximum Input Speed (RPM)

| Case Size | Nominal Ratio |      |      |      |       |
|-----------|---------------|------|------|------|-------|
|           | 5             | 9    | 15   | 25   | 32/40 |
| TA0107L   | 2080          | 1800 | 1791 | 2007 | 1750  |
| TA1107H   | 2000          | 1798 | 1789 | 2005 | 1750  |
| TA2115H   | 2080          | 1821 | 1874 | 2005 | 1750  |
| TA3203H   | 1965          | 1847 | 1808 | 1996 | 1750  |
| TA4207H   | 2000          | 1846 | 1800 | 2010 | 1955  |
| TA5215H   | 2042          | 1837 | 1791 | 2000 | 1945  |
| TA6307H   | 1978          | 1843 | 1854 | 1989 | 1916  |
| TA7315H   | 2075          | 1943 | 1790 | 1987 | 1983  |
| TA8407H   | N/A           | N/A  | 1814 | 1997 | 1983  |
| TA9415H   | N/A           | N/A  | 1812 | 2035 | 1970  |
| TA10507H  | N/A           | N/A  | 1811 | 2015 | 1984  |
| TA12608H  | N/A           | N/A  | 1775 | 2002 | 1909  |

### Maximum Output Speed (RPM)

| Case Size | Nominal Ratio |     |     |    |       |
|-----------|---------------|-----|-----|----|-------|
|           | 5             | 9   | 15  | 25 | 32/40 |
| TA0107L   | 400           | 200 | 120 | 80 | 57    |
| TA1107H   | 400           | 200 | 120 | 80 | 57    |
| TA2115H   | 400           | 200 | 120 | 80 | 53    |
| TA3203H   | 400           | 200 | 120 | 80 | 54    |
| TA4207H   | 400           | 200 | 120 | 80 | 50    |
| TA5215H   | 400           | 200 | 120 | 80 | 50    |
| TA6307H   | 400           | 200 | 120 | 80 | 50    |
| TA7315H   | 400           | 200 | 120 | 80 | 50    |
| TA8407H   | N/A           | N/A | 120 | 80 | 50    |
| TA9415H   | N/A           | N/A | 120 | 80 | 50    |
| TA10507H  | N/A           | N/A | 120 | 80 | 50    |
| TA12608H  | N/A           | N/A | 120 | 80 | 50    |

### Backstop Lift-Off Speeds (RPM)\*

| Case Size | Lift-Off Speed |
|-----------|----------------|
| TA0107L   | 875            |
| TA1107H   | 875            |
| TA2115H   | 875            |
| TA3203H   | 825            |
| TA4207H   | 780            |
| TA5215H   | 720            |
| TA6307H   | 610            |
| TA7315H   | 490            |
| TA8407H   | 610            |
| TA9415H   | 490            |
| TA10507H  | 480            |
| TA12608H  | 450            |

\*For best results, select reducer ratios which exceed input shaft speed required for backstop sprag lift-off

# Metric Torque-Arm® II

## Dimensions

### Thrust Capacity for Screw Conveyor Drives (N)

#### Single Reduction Reducers (05:1)

| Case Size | Output Speed (RPM) |       |       |       |       |       |       |
|-----------|--------------------|-------|-------|-------|-------|-------|-------|
|           | 100                | 150   | 200   | 250   | 300   | 350   | 400   |
| TA0107L   | 11421              | 10176 | 9304  | 8895  | 8548  | 8050  | 7988  |
| TA1107H   | 13814              | 12608 | 11679 | 11141 | 10656 | 10269 | 9927  |
| TA2115H   | 23896              | 21219 | 19644 | 18617 | 17856 | 17278 | 16834 |
| TA3203H   | 26685              | 25946 | 23958 | 22473 | 21272 | 20285 | 19506 |
| TA4207H   | 26685              | 26685 | 26685 | 26685 | 26685 | 25688 | 24772 |
| TA5215H   | 26685              | 26685 | 26685 | 26685 | 26685 | 26685 | 26685 |
| TA6307H   | 26685              | 25808 | 23901 | 23136 | 22135 | 21379 | 21068 |
| TA7315H   | †                  | †     | †     | †     | †     | †     | †     |

† Consult Baldor-Dodge Application Engineering

#### Double Reduction Reducers (09:1 thru 40:1)

| Case Size | Output Speed (RPM) |       |       |       |       |       |       |       |       |
|-----------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|           | 10                 | 25    | 50    | 75    | 100   | 125   | 150   | 176   | 200   |
| TA0107L   | 23571              | 17914 | 13969 | 12142 | 10963 | 10145 | 9629  | 9211  | 8846  |
| TA1107H   | 26685              | 21494 | 16478 | 14214 | 12742 | 11737 | 11421 | 10843 | 10296 |
| TA2115H   | 26685              | 26685 | 26685 | 23676 | 21570 | 20236 | 19102 | 18172 | 17452 |
| TA3203H   | 26685              | 26685 | 26685 | 26685 | 25622 | 23696 | 22326 | 21405 | 20618 |
| TA4207H   | 26685              | 26685 | 26685 | 26685 | 26685 | 26685 | 26685 | 26685 | 26685 |
| TA5215H   | 26685              | 26685 | 26685 | 26685 | 26685 | 26685 | 26685 | 26685 | 26685 |
| TA6307H   | 26685              | 26685 | 26685 | 26173 | 23060 | 20930 | 19724 | 19137 | 18986 |
| TA7315H   | †                  | †     | †     | †     | †     | †     | †     | †     | †     |

† Consult Baldor-Dodge Application Engineering

# Metric Torque-Arm® II

## Dimensions

### Lubrication - Oil Recommendations

#### ISO Grades For Ambient Temperatures of 10°C to 51°C

| Output RPM | TA0107L | TA1107H | TA2115H | TA3202H | TA4207H | TA5215H | TA6307H | TA7315H | TA8407H | TA9415H | TA10507H | TA12608H |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|
| 301-400    | 320     | 320     | 320     | 220     | 220     | 220     | 220     | 220     | 220     | 220     | 220      | 220      |
| 201-300    | 320     | 320     | 320     | 220     | 220     | 220     | 220     | 220     | 220     | 220     | 220      | 220      |
| 151-200    | 320     | 320     | 320     | 220     | 220     | 220     | 220     | 220     | 220     | 220     | 220      | 220      |
| 126-150    | 320     | 320     | 320     | 220     | 220     | 220     | 220     | 220     | 220     | 220     | 220      | 220      |
| 101-125    | 320     | 320     | 320     | 320     | 220     | 220     | 220     | 220     | 220     | 220     | 220      | 220      |
| 81-100     | 320     | 320     | 320     | 320     | 320     | 220     | 220     | 220     | 220     | 220     | 220      | 220      |
| 41-80      | 320     | 320     | 320     | 320     | 320     | 220     | 220     | 220     | 220     | 220     | 220      | 220      |
| 11-40      | 320     | 320     | 320     | 320     | 320     | 320     | 320     | 320     | 320     | 320     | 220      | 220      |
| 1-10       | 320     | 320     | 320     | 320     | 320     | 320     | 320     | 320     | 320     | 320     | 320      | 320      |

#### ISO Grades For Ambient Temperatures of -9°C to 15°C

| Output RPM | TA0107L | TA1107H | TA2115H | TA3202H | TA4207H | TA5215H | TA6307H | TA7315H | TA8407H | TA9415H | TA10507H | TA12608H |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|
| 301-400    | 220     | 220     | 220     | 150     | 150     | 150     | 150     | 150     | 150     | 150     | 150      | 150      |
| 201-300    | 220     | 220     | 220     | 150     | 150     | 150     | 150     | 150     | 150     | 150     | 150      | 150      |
| 151-200    | 220     | 220     | 220     | 150     | 150     | 150     | 150     | 150     | 150     | 150     | 150      | 150      |
| 126-150    | 220     | 220     | 220     | 150     | 150     | 150     | 150     | 150     | 150     | 150     | 150      | 150      |
| 101-125    | 220     | 220     | 220     | 220     | 150     | 150     | 150     | 150     | 150     | 150     | 150      | 150      |
| 81-100     | 220     | 220     | 220     | 220     | 220     | 150     | 150     | 150     | 150     | 150     | 150      | 150      |
| 41-80      | 220     | 220     | 220     | 220     | 220     | 150     | 150     | 150     | 150     | 150     | 150      | 150      |
| 11-40      | 220     | 220     | 220     | 220     | 220     | 220     | 220     | 220     | 220     | 220     | 150      | 150      |
| 1-10       | 220     | 220     | 220     | 220     | 220     | 220     | 220     | 220     | 220     | 220     | 220      | 220      |

### Notes

1. Assumes auxiliary cooling where recommended in the catalogue
2. Pour point of lubricant selected should be at least 5°C lower than expected minimum ambient starting temperature
3. Extreme pressure (EP) lubricants are not necessary for average operating conditions. When properly selected for specific applications, TORQUE-ARM II backstops are suitable for use with EP lubricants
4. Special lubricants may be required for food and drug industry applications where contact with the product being manufactured may occur. Consult a lubrication manufacture's representative for his recommendations
5. For reducers operating in ambient temperatures between -30C and -6C use a synthetic hydrocarbon lubricant, 100 ISO grade or AGMA 3 grade (for example, Mobil SHC627). Above 51C, consult DODGE Application Engineering for lubrication recommendation
6. Mobil SHC630 Series oil is recommended for high ambient temperatures

# Metric Torque-Arm® II

## Dimensions

### Vent and Plug Locations

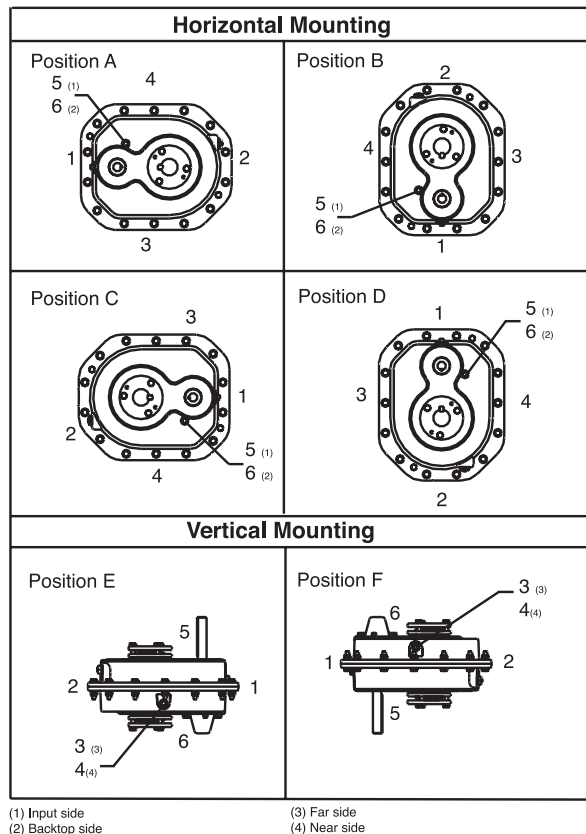
**Horizontal Installations** - Install the magnetic drain plug in the hole closest to the bottom of the reducer. Throw away the tape that covers the filler/ventilation plug in shipment and install plug in topmost hole. Of the 2 remaining plugs on the sides of the reducer, the lowest one is the minimum oil level plug.

**Vertical installations**-Install the filler/ventilation plug in the hole provided in the top face of the reducer housing. Use the hole in the bottom face for the magnetic drain plug. Of the remaining holes on the sides of the reducer, use a plug in the upper housing half for the minimum oil level plug.

**Mounting Position** - The running position of the reducer in a horizontal application is not limited to the four positions shown below. However, if running position is over 20° of position “B” or “D” or 5° off position “A”

or “C”, either way from the sketches, the oil level plug cannot be used to safely check the oil level, unless during the checking, the torque arm is disconnected and the reducer is swung to within 20° for position “A” or “C”, or 5° for position “B” and “D” shown in the drawing. Because of the many possible positions of the reducer, it may be necessary or desirable to make special adaptations using the lubrication fitting holes furnished along with other standard pipe fittings, stand pipes and oil level gauges as required.

Below 15 RPM output speed, oil level must be adjusted to reach the highest oil level plug. If reducer position is to vary from those shown in the drawing, either more or less oil may be required; consult DODGE Application Engineering.



# Metric Torque-Arm® II

## Dimensions

### Vent and Plug Locations

| Mounting Position | Output Speed Above 15 RPM |       |       |       |      |      | Output Speed 15 RPM and Below |       |       |       |      |      |
|-------------------|---------------------------|-------|-------|-------|------|------|-------------------------------|-------|-------|-------|------|------|
|                   | Vent and Plug Locations   |       |       |       |      |      | Vent and Plug Locations       |       |       |       |      |      |
|                   | 1                         | 2     | 3     | 4     | 5    | 6    | 1                             | 2     | 3     | 4     | 5    | 6    |
| A                 | Level                     | Plug  | Drain | Vent  | Plug | Plug | Plug                          | Level | Drain | Vent  | Plug | Plug |
| B                 | Drain                     | Vent  | Level | Plug  | Plug | Plug | Drain                         | Vent  | Plug  | Level | Plug | Plug |
| C                 | Plug                      | Level | Vent  | Drain | Plug | Plug | Level                         | Plug  | Vent  | Drain | Plug | Plug |
| D                 | Vent                      | Drain | Level | Level | Plug | Plug | Drain                         | Drain | Level | Level | Plug | Plug |
| E                 | Level                     | Plug  | Plug  | Drain | Vent | Plug | Level                         | Plug  | Plug  | Drain | Vent | Plug |
| F                 | Plug                      | Drain | Level | Level | Plug | Vent | Plug                          | Drain | Level | Level | Plug | Vent |

\*Where space constraints prevent installing the breather in vent locations 5 or 6, install vent in this location and order a vertical breather kit.

### Oil Volumes - By Mounting Position <sup>1,2</sup>

| Case Size | Ratios  | Oil Volume in Liters |          |          |           |          |          |
|-----------|---------|----------------------|----------|----------|-----------|----------|----------|
|           |         | Horizontal           |          |          |           | Vertical |          |
|           |         | A (9:00)             | B (6:00) | C (3:00) | D (12:00) | E (Up)   | F (Down) |
| TA0107L   | Single  | 0,6                  | 0,5      | 0,6      | 1,3       | 1,2      | 1,4      |
|           | Doubles | 0,6                  | 0,5      | 0,6      | 1,3       | 1,2      | 1,3      |
| TA1107H   | Single  | 1,3                  | 0,7      | 0,6      | 1,6       | 1,4      | 1,8      |
|           | Doubles | 1,3                  | 0,7      | 0,6      | 1,6       | 1,4      | 1,8      |
| TA2115H   | Single  | 2,0                  | 1,2      | 1,0      | 2,5       | 2,2      | 2,9      |
|           | Doubles | 2,0                  | 1,1      | 1,0      | 2,5       | 2,3      | 2,8      |
| TA3203H   | Single  | 2,7                  | 1,6      | 1,7      | 3,9       | 3,1      | 4,2      |
|           | Doubles | 2,7                  | 1,4      | 1,6      | 3,8       | 3,3      | 4,0      |
| TA4207H   | Single  | 4,2                  | 2,5      | 2,8      | 7,0       | 6,0      | 7,3      |
|           | Doubles | 4,2                  | 2,4      | 2,6      | 6,9       | 6,0      | 7,1      |
| TA5215H   | Single  | 7,0                  | 4,7      | 5,5      | 12,5      | 11,0     | 12,4     |
|           | Doubles | 7,0                  | 4,4      | 5,2      | 12,2      | 10,8     | 11,9     |
| TA6307H   | Single  | 8,3                  | 5,5      | 6,2      | 15,3      | 12,5     | 15,3     |
|           | Doubles | 8,4                  | 5,2      | 5,9      | 15,0      | 13,1     | 14,5     |
| TA7315H   | Single  | 8,0                  | 11,1     | 13,2     | 21,3      | 20,9     | 23,7     |
|           | Doubles | 7,9                  | 10,3     | 12,5     | 20,9      | 21,2     | 21,8     |
| TA8407H   | Doubles | 7,3                  | 11,1     | 12,9     | 23,8      | 22,7     | 24,4     |
| TA9415H   | Doubles | 16,1                 | 15,9     | 17,1     | 31,4      | 31,4     | 36,5     |
| TA10507H  | Doubles | 36,0                 | 26,1     | 24,4     | 50,6      | 50,9     | 53,0     |
| TA12608H  | Doubles | 50,2                 | 39,3     | 35,1     | 66,9      | 68,3     | 76,1     |

1. Oil Quantity is approximate, Service with lubricant until oil runs out of oil level hole.

2. Below 15 RPM output speed, oil level must be adjusted to reach the high test oil level plug, if reducer position is to vary from those shown in the drawing on the preceding page, either more or less oil may be required.

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# Metric Torque-Arm® II

## Notes

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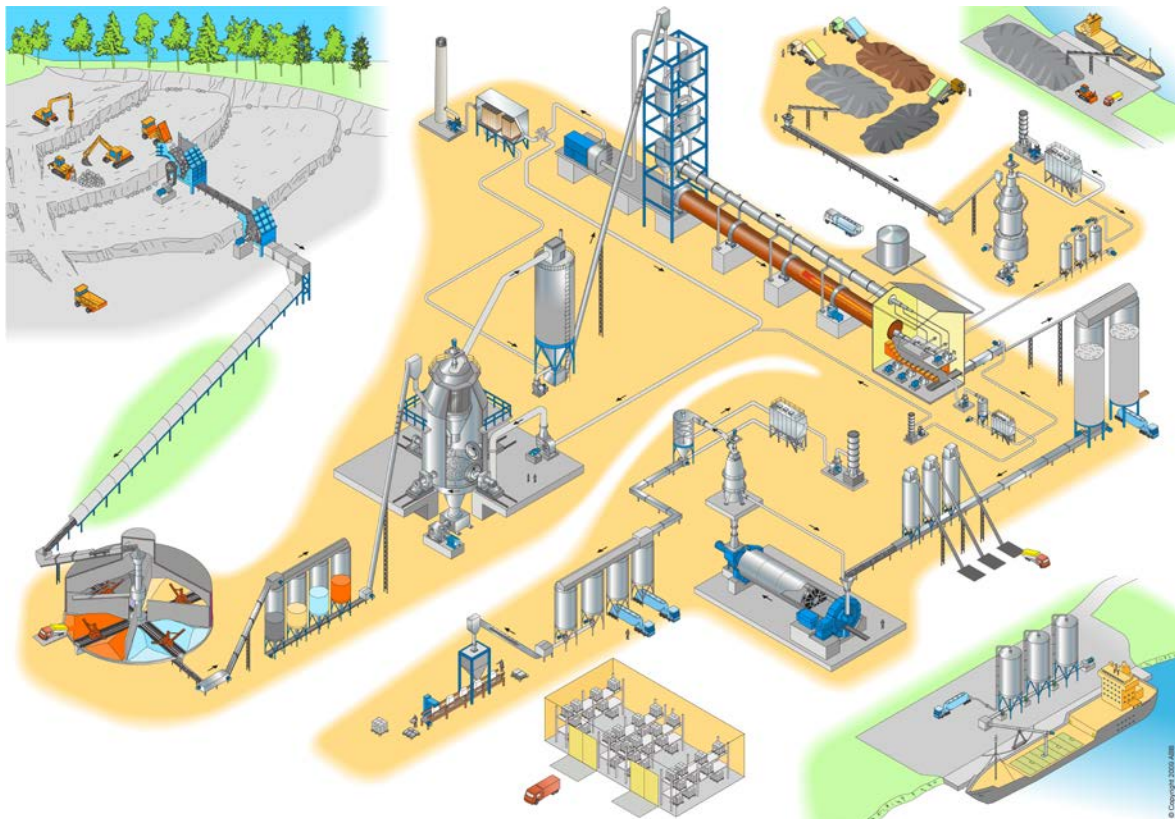
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