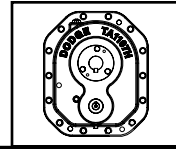


SELECTION



TORQUE-ARM II Shaft Mount Speed Reducers

Table 1: APPLICATION CLASSIFICATION AND CLASS NUMBERS

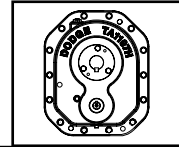
| Application | Class Numbers | |
|--|---|---|
| | 3 to 10 Hrs per Day | Over 10 Hrs per Day |
| AGITATORS (Mixers) Pure Liquids Liquids and Solids Liquids-Variable Density | I II II | II II II |
| BLOWERS Centrifugal Lobe Vane | I II II | II II II |
| BREWING AND DISTILLING Bottling Machinery Brew Kettles-Continuous Duty Cookers-Continuous Duty Mash Tubs-Continuous Duty Scale Hopper-Frequent Starts | I II II II II | II II II II II |
| CAN FILLING MACHINES CAR DUMPERS CAR PULLERS CLARIFIERS CLASSIFIERS | I III II I II | II III II II II |
| CLAY WORKING MACHINERY Brick Press Briquette Machine Pug Mill | III III II | III III II |
| COMPACTORS COMPRESSORS Centrifugal Lobe Reciprocating, Multi-Cylinder Reciprocating, Single-Cylinder | ★ I II II III | ★ II II III III |
| CONVEYORS-GENERAL PURPOSE Includes Apron, Assembly, Belt, Bucket, Chain, Flight, Oven and Screw Uniformly Loaded or Fed Heavy Duty-Not Uniformly Fed Severe Duty-Reciprocating or Shaker | I II III | II II III |
| CRANES CRUSHER Stone or Ore | ★ III | ★ III |
| DREDGES Cable Reels Conveyors Cutter Head Drives Pumps Screen Drives Stackers Winches | II II III III III II II | II II III III III II II |

| Application | Class Numbers | |
|---|--|--|
| | 3 to 10 Hrs per Day | Over 10 Hrs per Day |
| ELEVATORS Bucket Centrifugal Discharge Escalators Freight Gravity Discharge | II I I II I | II II II II II |
| EXTRUDERS General Plastics Variable Speed Drive Fixed Speed Drive Rubber Continuous Screw Operation Intermittent Screw Operation | II III III III III | II III III III III |
| FANS Centrifugal Forced Draft Induced Draft Industrial & Mine | I II II II | II II II II |
| FEEDERS Apron Belt Disc Reciprocating Screw | II II I III II | II II II III II |
| FOOD INDUSTRY Cereal Cooker Dough Mixer Meat Grinders Slicers | I II II II | II II II II |
| GENERATORS AND EXCITERS HAMMER MILLS HOISTS LAUNDRY TUMBLERS LAUNDRY WASHERS | II III ★ II II | II III ★ II III |
| LUMBER INDUSTRY Barkers Spindle Feed Main Drive Conveyors Burner Main or Heavy Duty Main Log Re-saw, Merry-Go-Round Slab Transfer Chains Floor Green | II III II II II III II II II II II II | II III II II III II II II II II II II |

★ Consult DODGE for more information on class number

| | | | |
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SELECTION



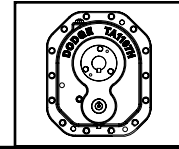
TORQUE-ARM II Shaft Mount Speed Reducers

Table 1: APPLICATION CLASSIFICATION AND CLASS NUMBERS

| Application | Class Numbers | | Application | Class Numbers | |
|------------------------------------|---------------------|---------------------|----------------------------------|---------------------|---------------------|
| | 3 to 10 Hrs per Day | Over 10 Hrs per Day | | 3 to 10 Hrs per day | Over 10 Hrs per Day |
| LUMBER INDUSTRY (cont) | | | MIXERS, CEMENT | II | II |
| Cut-Off Saws | | | PAPER MILLS | | |
| Chain | II | III | Agitator (Mixer) | II | II |
| Drag | II | III | Agitator for Pure Liquors | II | II |
| Debarking Drums | III | III | Barking Drums | III | III |
| Feeds | | | Barkers-Mechanical | III | III |
| Edger | II | II | Beater | II | II |
| Gang | III | III | Breaker Stack | II | II |
| Trimmer | II | II | Chipper | III | III |
| Log Deck | III | III | Chip Feeder | II | II |
| Log Hauls-Incline-Well Type | III | III | Coating Rolls | II | II |
| Log Tuning Devices | III | III | Conveyors | | |
| Planer Feed | II | II | Chip, Bark, Chemical | II | II |
| Planer Tilting Hoists | II | II | Log (including Slab) | III | III |
| Rolls-Live-off brg.-Roll Cases | III | III | Couch Rolls | II | II |
| Sorting Table | II | II | Cutter | III | III |
| Triple Hoist | II | II | Cylinder Molds | II | II |
| Transfers | | | Embosser | II | II |
| Chain | II | III | Extruder | II | II |
| Craneway | II | III | Fourdrinier Rolls (includes Lump | | |
| Tray Drives | II | II | breaker, dandy roll, wire | | |
| Veneer Lathe Drives | II | II | turning, and return rolls) | II | II |
| METAL MILLS | | | Jordan | II | II |
| Draw bench Carriage and Main Drive | II | II | Kiln Drive | II | II |
| Runout Table | | | Mt. Hope Roll | II | II |
| Non-Reversing | | | Paper Rolls | II | II |
| Group Drives | II | II | Platter | II | II |
| Individual Drives | III | III | Presses-Felt & Suction | II | II |
| Reversing | III | III | Pulper | III | III |
| Slab Pushers | II | II | Pumps-Vacuum | II | II |
| Shears | III | III | Reel (Surface Type) | II | II |
| Wire Drawing | II | II | Screens | | |
| Wire Winding Machine | II | II | Chip | II | II |
| METAL STRIP PROCESSING MACHINERY | | | Rotary | II | II |
| Bridles | II | II | Vibrating | III | III |
| Coilers & Uncoilers | I | II | Size Press | II | II |
| Edge Trimmers | II | II | Thickener (AC Motor) | II | II |
| Flatteners | II | II | (DC Motor) | II | II |
| Loopers (Accumulators) | I | I | Washer (AC Motor) | II | II |
| Pinch Rolls | II | II | (DC Motor) | II | II |
| Scrap Choppers | II | II | Wind and Unwind Stand | I | I |
| Shears | III | III | Winders (Surface Type) | II | II |
| Slitters | II | II | PLASTICS INDUSTRY-SECONDARY | | |
| MILLS, ROTARY TYPE | | | PROCESSING | | |
| Ball & Rod | | | Blow Molders | II | II |
| Spur Ring Gear | III | III | Coating | II | II |
| Helical Ring Gear | II | II | Film | II | II |
| Direct Connected | III | III | Pipe | II | II |
| Cement Kilns | II | II | Pre-Plasticizers | II | II |
| Dryers & Coolers | II | II | Rods | II | II |
| | | | Sheet | II | II |
| | | | Tubing | II | II |

| | | | |
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|------------------------|--------------------------|---------------------------------|-----------------------------------|

SELECTION



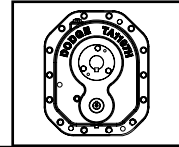
TORQUE-ARM II Shaft Mount Speed Reducers

Table 1: APPLICATION CLASSIFICATION AND CLASS NUMBERS

| Application | Class Numbers | |
|--|---------------------|---------------------|
| | 3 to 10 Hrs per Day | Over 10 Hrs per Day |
| PULLERS-BARGE HAUL PUMPS | II | II |
| Centrifugal | I | II |
| Proportioning | II | II |
| Reciprocating | | |
| Single Acting, 3 or more cylinders | II | II |
| Double Acting, 2 or more cylinders | II | II |
| Rotary | | |
| Gear Type | I | II |
| Lobe | I | II |
| Vane | I | II |
| RUBBER AND PLASTICS INDUSTRY | | |
| Intensive Internal Mixers | | |
| Batch Mixers | III | III |
| Continuous Mixers | II | II |
| Mixing Mill | | |
| 2 smooth rolls | II | II |
| 1 or 2 corrugated rolls | III | III |
| Batch Drop Mill - 2 smooth rolls | II | II |
| Cracker Warmer - 2 roll, 1 corrugated roll | III | III |
| Cracker-2 corrugated rolls | III | III |
| Holding, Feed & Blend Mill-2 rolls | II | II |
| Refiner-2 rolls | II | II |
| Calenders | II | II |
| SAND MULLER | II | II |
| SEWAGE DISPOSAL EQUIPMENT | | |
| Bar Screens | II | II |
| Chemical Feeders | II | II |
| Dewatering Screens | II | II |
| Scum Breakers | II | II |
| Slow or Rapid Mixers | II | II |
| Sludge Collectors | II | II |
| Thickener | II | II |
| Vacuum Filters | II | II |
| SCREENS | | |
| Air Washing | I | II |
| Rotary-Stone or Gravel | II | II |
| Traveling Water Intake | I | I |
| SCREW CONVEYORS | | |
| Uniformly Loaded or Fed | I | II |
| Heavy Duty | II | II |
| SUGAR INDUSTRY | | |
| Beet Slicer | III | III |
| Cane knives | II | II |
| Crushers | II | II |
| Mills (low speed end) | III | III |

| Application | Class Numbers | |
|------------------|---------------------|---------------------|
| | 3 to 10 Hrs per Day | Over 10 Hrs per Day |
| TEXTILE INDUSTRY | | |
| Batchers | II | II |
| Calenders | II | II |
| Cards | II | II |
| Dry Cans | II | II |
| Dyeing Machinery | II | II |
| Looms | II | II |
| Mangles | II | II |
| Nappers | II | II |
| Pads | II | II |
| Stashers | II | II |
| Soapers | II | II |
| Spinners | II | II |
| Tenter Frames | II | II |
| Washers | II | II |
| Winders | II | II |

| | | | |
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|------------------------|--------------------------|---------------------------------|-----------------------------------|



SELECTION

TORQUE-ARM II Shaft Mount Speed Reducers

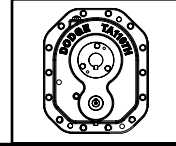
CLASS I SELECTIONS * (SF = 1.0)

| Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | | | | | | | | |
|----------|------------|-------------------|-----------------------|----------------|------------|------------|-------------------|-----------------------|----------------|----------|------------|-------------------|-----------------------|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----|
| 1/4 | 4-50 | TA0107L31 | 4.0 | --- | 1/2 (cont) | 81-89 | TA0107L15 | 4.0 | --- | 1 (cont) | 90-120 | TA0107L15 | 4.0 | --- | | | | | | | | |
| | | TA0107L25 | 4.0 | --- | | | TA0107L09 | 5.3 | --- | | | TA0107L09 | 5.2 | --- | TA0107L05 | 9.2 | --- | | | | | |
| | | TA0107L15 | 4.0 | --- | | | TA0107L15 | 4.0 | --- | | | TA0107L09 | 5.2 | --- | TA0107L09 | 5.0 | --- | | | | | |
| | 51-80 | TA0107L25 | 4.0 | --- | | | 121-200 | TA0107L05 | 9.2 | | --- | 201-400 | TA0107L05 | 8.3 | --- | 201-400 | TA0107L05 | 6.9 | --- | | | |
| | | TA0107L15 | 4.0 | --- | | | | TA0107L09 | 5.0 | | --- | | 4-5 | TA4207H40 | 5.0 | | --- | 4-5 | TA4207H25 | 5.5 | --- | |
| | | TA0107L09 | 5.3 | --- | | | | TA0107L05 | 8.3 | | --- | | | TA4207H15 | 8.1 | | --- | | 6-7 | TA3203H32 | 4.6 | --- |
| | 81-89 | TA0107L15 | 4.0 | --- | | 201-400 | TA0107L05 | 6.9 | --- | 7-11 | TA1107H31 | 5.0 | --- | 8-12 | TA2115H33 | 3.7 | --- | 8-12 | | TA3203H25 | 4.6 | --- |
| | | TA0107L09 | 5.2 | --- | | | 4-6 | TA2115H33 | 3.7 | | --- | TA1107H25 | 6.4 | | --- | TA2115H25 | 3.3 | | --- | TA3203H15 | 4.6 | --- |
| | | TA0107L05 | 8.3 | --- | | | | TA2115H25 | 3.3 | | --- | TA1107H15 | 5.5 | | --- | TA2115H15 | 3.3 | | --- | TA2115H15 | 3.3 | --- |
| | 1/3 | 4 | TA1107H31 | 5.0 | | --- | 3/4 | 12-50 | TA0107L31 | 4.0 | --- | 1-1/2 | 13-23 | TA1107H31 | 4.9 | --- | 24-50 | TA0107L31 | 4.0 | --- | | |
| | | | TA1107H25 | 6.4 | | --- | | | TA0107L25 | 4.0 | --- | | | TA0107L25 | 4.0 | --- | | TA0107L25 | 4.0 | --- | | |
| | | | TA1107H15 | 5.5 | | --- | | | TA0107L15 | 4.0 | --- | | | TA0107L15 | 4.0 | --- | | TA0107L15 | 4.0 | --- | | |
| 5-50 | | TA0107L31 | 4.0 | --- | 51-80 | TA0107L25 | | 4.0 | --- | 81-89 | TA0107L15 | | | 4.0 | --- | 51-80 | | TA0107L25 | 4.0 | --- | | |
| | | TA0107L25 | 4.0 | --- | | TA0107L09 | | 5.3 | --- | | TA0107L15 | | | 4.0 | --- | | | TA0107L15 | 4.0 | --- | | |
| | | TA0107L15 | 4.0 | --- | | TA0107L05 | | 9.2 | --- | | TA0107L09 | | | 5.3 | --- | | | TA0107L09 | 5.3 | --- | | |
| 51-80 | | TA0107L25 | 4.0 | --- | 90-120 | TA0107L15 | | 4.0 | --- | 121-200 | TA0107L09 | | 5.0 | --- | 81-89 | TA0107L15 | 4.0 | --- | | | | |
| | | TA0107L15 | 4.0 | --- | | TA0107L05 | | 9.2 | --- | | TA0107L05 | | 8.3 | --- | | TA0107L05 | 4.0 | --- | | | | |
| | | TA0107L09 | 5.3 | --- | | TA0107L05 | | 8.3 | --- | | TA0107L05 | | 6.9 | --- | | TA0107L05 | 9.2 | --- | | | | |
| 90-120 | | TA0107L09 | 5.0 | --- | 201-400 | TA0107L05 | | 6.9 | --- | 4-5 | TA3203H32 | | 4.6 | --- | 121-200 | TA0107L09 | 5.0 | --- | | | | |
| | | TA0107L05 | 9.2 | --- | | 6-8 | | TA3203H25 | 4.6 | | --- | | TA3203H15 | 4.6 | | --- | TA0107L05 | 8.3 | --- | | | |
| | | TA0107L05 | 6.9 | --- | | | | TA2115H33 | 3.7 | | --- | | TA2115H15 | 3.3 | | --- | TA0107L05 | 6.9 | --- | | | |
| 1/2 | 4 | TA2115H33 | 3.7 | --- | 1 | 9-15 | TA1107H31 | 5.0 | --- | 2 | 4 | TA5215H40 | 6.8 | --- | 5-6 | TA4207H40 | 5.0 | --- | | | | |
| | | TA2115H25 | 3.3 | --- | | | TA1107H25 | 6.4 | --- | | | TA5215H25 | 6.1 | --- | | TA4207H25 | 5.5 | --- | | | | |
| | | TA2115H15 | 3.3 | --- | | | TA1107H15 | 5.5 | --- | | | TA5215H15 | 7.1 | --- | | TA4207H15 | 8.1 | --- | | | | |
| | 5-7 | TA1107H31 | 5.0 | --- | | 16-50 | TA0107L31 | 4.0 | --- | | | 7-10 | TA3203H32 | 4.6 | | --- | 7-10 | TA3203H25 | 4.6 | --- | | |
| | | TA1107H25 | 6.4 | --- | | | TA0107L25 | 4.0 | --- | | | | TA3203H15 | 4.6 | | --- | | TA2115H33 | 3.7 | --- | | |
| | | TA1107H15 | 5.5 | --- | | | TA0107L15 | 4.0 | --- | | | | TA2115H25 | 3.3 | | --- | | TA2115H15 | 3.3 | --- | | |
| | 8-50 | TA0107L31 | 4.0 | --- | | 51-80 | TA0107L25 | 4.0 | --- | | 11-16 | TA2115H33 | 3.7 | --- | 11-16 | TA2115H25 | 3.3 | --- | | | | |
| | | TA0107L25 | 4.0 | --- | | | TA0107L15 | 4.0 | --- | | | TA2115H25 | 3.3 | --- | | TA2115H15 | 3.3 | --- | | | | |
| | | TA0107L15 | 4.0 | --- | | | TA0107L15 | 4.0 | --- | | | TA2115H15 | 3.3 | --- | | | | | | | | |
| | 51-80 | TA0107L25 | 4.0 | --- | | 81-89 | TA0107L09 | 5.3 | --- | | | | | | | | | | | | | |
| | | TA0107L15 | 4.0 | --- | | | | | | | | | | | | | | | | | | |
| | | TA0107L15 | 4.0 | --- | | | | | | | | | | | | | | | | | | |

* See Page 136 for lubrication for 15 RPM and slower

| | | | |
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SELECTION

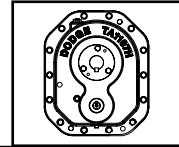


TORQUE-ARM II Shaft Mount Speed Reducers

CLASS I SELECTIONS (cont) * (SF = 1.0)

| Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method |
|--|------------|-------------------|-----------------------|----------------|-------------|------------|-------------------|-----------------------|----------------|-----------------|------------|-------------------|-----------------------|----------------|
| 2 (cont) | 17 | TA1107H31 | 4.8 | --- | 3 (cont) | 121-200 | TA0107L09 | 5.0 | --- | 7-1/2 (cont) | 7-9 | TA6307H40 | 6.3 | --- |
| | | TA2115H25 | 3.3 | --- | | | TA0107L05 | 8.3 | --- | | | TA6307H25 | 6.3 | --- |
| | | TA1107H15 | 5.4 | --- | | | 201-400 | TA0107L05 | 6.9 | | | --- | TA6307H15 | 6.4 |
| | 18-32 | TA1107H31 | 4.8 | --- | 5 | 4 | TA7315H40 | 6.2 | --- | | 10-15 | TA5215H40 | 6.8 | --- |
| | | TA1107H25 | 5.9 | --- | | | TA7315H25 | 6.2 | --- | | | TA5215H25 | 6.1 | --- |
| | | TA1107H15 | 5.3 | --- | | | TA7315H15 | 6.2 | --- | | | TA5215H15 | 7.1 | --- |
| | 33-50 | TA0107L31 | 4.0 | --- | | 5-6 | TA6307H40 | 6.3 | --- | | 16-25 | TA4207H40 | 4.8 | --- |
| | | TA0107L25 | 4.0 | --- | | | TA6307H25 | 6.3 | --- | | | TA4207H25 | 5.4 | --- |
| | | TA0107L15 | 4.0 | --- | | | TA6307H15 | 6.4 | --- | | | TA4207H15 | 7.9 | --- |
| | 51-80 | TA0107L25 | 4.0 | --- | | 7-10 | TA5215H40 | 6.8 | --- | | 26-39 | TA3203H32 | 4.2 | --- |
| | | TA0107L15 | 4.0 | --- | | | TA5215H25 | 6.1 | --- | | | TA3203H25 | 4.4 | --- |
| | 81-89 | TA0107L15 | 4.0 | --- | | 11-16 | TA5215H15 | 7.1 | --- | | 40-50 | TA3203H15 | 4.4 | --- |
| | | TA0107L09 | 5.3 | --- | | | TA4207H40 | 5.0 | --- | | | TA2115H33 | 3.2 | --- |
| | 90-120 | TA0107L15 | 4.0 | --- | | 17-25 | TA4207H25 | 5.5 | --- | | 51-72 | TA2115H25 | 3.1 | --- |
| TA0107L09 | | 5.2 | --- | TA4207H15 | | | 8.1 | --- | TA2115H15 | 3.2 | | --- | | |
| TA0107L05 | | 9.2 | --- | TA3203H32 | | | 4.4 | --- | TA2115H25 | 3.1 | | --- | | |
| TA0107L05 | | 8.3 | --- | TA3203H25 | | | 4.5 | --- | TA2115H15 | 3.6 | | --- | | |
| 121-200 | TA0107L09 | 5.0 | --- | 26 | TA3203H15 | 4.5 | --- | 73-80 | TA1107H25 | 5.2 | --- | | | |
| | TA0107L05 | 8.3 | --- | | TA3203H32 | 4.2 | --- | | TA1107H15 | 4.7 | --- | | | |
| 201-400 | TA0107L05 | 6.9 | --- | 7-1/2 | TA2115H25 | 3.2 | --- | 81-89 | TA1107H15 | 4.6 | --- | | | |
| | | | | | TA2115H15 | 3.1 | --- | | TA1107H09 | 7.7 | --- | | | |
| 3 | 4-6 | TA5215H40 | 6.8 | | --- | 27-46 | TA2115H33 | 3.6 | --- | 90-120 | TA1107H15 | 4.6 | --- | |
| | | TA5215H25 | 6.1 | | --- | | TA2115H25 | 3.2 | --- | | TA1107H09 | 7.5 | --- | |
| | | TA5215H15 | 7.1 | | --- | | TA2115H15 | 3.1 | --- | | TA1107H05 | 12.5 | --- | |
| | 7-10 | TA4207H40 | 5.0 | | --- | | 47-50 | TA1107H31 | 4.4 | --- | 121-145 | TA1107H09 | 7.1 | --- |
| | | TA4207H25 | 5.5 | | --- | | | TA1107H25 | 5.4 | --- | | TA1107H05 | 11.2 | --- |
| | | TA4207H15 | 8.1 | | --- | | | TA1107H15 | 4.9 | --- | TA0107L09 | 4.8 | --- | |
| | 11-15 | TA3203H32 | 4.6 | | --- | | 51-80 | TA1107H25 | 5.4 | --- | 146-163 | TA1107H05 | 10.3 | --- |
| | | TA3203H25 | 4.6 | | --- | | | TA1107H15 | 4.9 | --- | | TA1107H05 | 10.3 | --- |
| | 16-26 | TA3203H15 | 4.6 | | --- | | 81-89 | TA1107H25 | 5.4 | --- | 164-200 | TA0107L09 | 4.7 | --- |
| | | TA2115H33 | 3.7 | | --- | | | TA1107H15 | 4.9 | --- | | TA0107L05 | 7.4 | --- |
| | | TA2115H25 | 3.3 | | --- | | | TA1107H15 | 4.6 | --- | | TA0107L05 | 7.4 | --- |
| | 27-50 | TA2115H15 | 3.2 | | --- | | 90-120 | TA1107H09 | 7.7 | --- | 201-400 | TA0107L05 | 6.9 | --- |
| | | TA1107H31 | 4.6 | --- | TA0107L15 | | | 4.0 | --- | 4 | | TA9415H40 | 8.0 | --- |
| | 51-80 | TA1107H25 | 5.7 | --- | 121-200 | | TA0107L09 | 5.2 | --- | | | TA9415H25 | 8.0 | --- |
| TA1107H15 | | 5.2 | --- | TA0107L05 | | 9.2 | --- | TA9415H15 | 10.2 | | --- | | | |
| 81-89 | TA0107L25 | 4.0 | --- | 201-400 | TA0107L09 | 5.0 | --- | 5 | TA8407H40 | 6.2 | --- | | | |
| | TA0107L15 | 4.0 | --- | | TA0107L05 | 8.3 | --- | | TA8407H25 | 6.2 | --- | | | |
| 90-120 | TA0107L15 | 4.0 | --- | 7-1/2 | TA0107L05 | 6.9 | --- | 6-8 | TA8407H15 | 6.2 | --- | | | |
| | TA0107L09 | 5.3 | --- | | TA8407H40 | 6.2 | --- | | TA7315H40 | 6.2 | --- | | | |
| | TA0107L15 | 4.0 | --- | | TA8407H25 | 6.2 | --- | | TA7315H25 | 6.2 | --- | | | |
| * See Page 136 for lubrication for 15 RPM and slower | | | | | | 4 | TA8407H15 | 6.2 | --- | | 9-12 | TA6307H40 | 6.3 | --- |
| | | | | | | | TA7315H40 | 6.2 | --- | | | TA6307H25 | 6.3 | --- |
| | | | | | | | TA7315H25 | 6.2 | --- | | | TA6307H15 | 6.4 | --- |

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|------------------------|--------------------------|---------------------------------|-----------------------------------|



SELECTION

TORQUE-ARM II Shaft Mount Speed Reducers

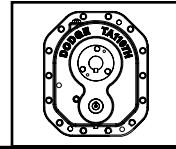
CLASS I SELECTIONS (cont) * (SF = 1.0)

| Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | | | |
|--------------|------------|-------------------|-----------------------|----------------|--------------|------------|-------------------|-----------------------|----------------|--------------|------------|-------------------|-----------------------|----------------|------------|-----|-----|
| 10 (cont) | 13-20 | TA5215H40 | 6.7 | --- | 15 (cont) | 9-13 | TA7315H40 | 6.2 | --- | 20 (cont) | 12-18 | TA7315H40 | 6.2 | --- | | | |
| | | TA5215H25 | 6.0 | --- | | | TA7315H25 | 6.2 | --- | | | TA7315H25 | 6.2 | --- | | | |
| | | TA5215H15 | 7.0 | --- | | | TA7315H15 | 6.2 | --- | | | TA7315H15 | 6.2 | --- | | | |
| | 21-32 | TA4207H40 | 4.7 | --- | | 14-18 | TA6307H40 | 6.3 | --- | | 19-25 | TA6307H40 | 6.3 | --- | TA6307H40 | 6.3 | --- |
| | | TA4207H25 | 5.2 | --- | | | TA6307H25 | 6.3 | --- | | | TA6307H25 | 6.3 | --- | | | |
| | | TA4207H15 | 7.7 | --- | | | TA6307H15 | 6.3 | --- | | | TA6307H15 | 6.3 | --- | | | |
| | 34-50 | TA3203H32 | 4.1 | --- | | 19-32 | TA5215H40 | 6.5 | --- | | 26-45 | TA5215H40 | 6.4 | --- | TA5215H40 | 6.4 | --- |
| | | TA3203H25 | 4.3 | --- | | | TA5215H25 | 5.9 | --- | | | TA5215H25 | 5.7 | --- | | | |
| | | TA3203H15 | 4.3 | --- | | | TA5215H15 | 6.8 | --- | | | TA5215H15 | 6.7 | --- | | | |
| | 51-55 | TA3203H25 | 4.2 | --- | | 33-50 | TA4207H40 | 4.5 | --- | | 46-50 | TA4207H40 | 4.3 | --- | TA4207H40 | 4.3 | --- |
| | | TA3203H15 | 4.2 | --- | | | TA4207H25 | 5.0 | --- | | | TA4207H25 | 4.7 | --- | | | |
| | 56-80 | TA2115H25 | 3.1 | --- | | 51-53 | TA4207H15 | 7.3 | --- | | 51-75 | TA4207H15 | 7.0 | --- | TA4207H15 | 7.0 | --- |
| | | TA2115H15 | 3.6 | --- | | | TA4207H25 | 4.7 | --- | | | TA4207H25 | 4.7 | --- | | | |
| | 81-89 | TA2115H15 | 3.7 | --- | | 54-80 | TA4207H15 | 6.8 | --- | | 76-80 | TA4207H15 | 6.8 | --- | TA4207H15 | 6.8 | --- |
| | | TA2115H09 | 6.1 | --- | | | TA3203H25 | 4.1 | --- | | | TA4207H25 | 4.4 | --- | | | |
| | 90-100 | TA2115H15 | 3.7 | --- | | 81-89 | TA3203H15 | 4.2 | --- | | 81-89 | TA4207H25 | 4.4 | --- | TA3203H15 | 4.1 | --- |
| | | TA2115H09 | 6.2 | --- | | | TA3203H15 | 4.0 | --- | | | TA3203H15 | 4.0 | --- | | | |
| | | TA2115H05 | 6.5 | --- | | | TA3203H09 | 5.2 | --- | | | TA3203H09 | 5.2 | --- | | | |
| 101 | TA1107H15 | 4.5 | --- | 90-92 | TA3203H15 | 4.0 | --- | 90-103 | TA3203H15 | 4.0 | --- | TA3203H15 | 4.0 | --- | | | |
| | TA2115H09 | 6.2 | --- | | TA3203H09 | 5.3 | --- | | TA3203H09 | 5.4 | --- | | | | | | |
| | TA2115H05 | 6.5 | --- | | TA3203H05 | 11.0 | --- | | TA4207H05 | 9.9 | --- | | | | | | |
| 102-118 | TA1107H15 | 4.5 | --- | 93-120 | TA2115H15 | 3.7 | --- | 104-105 | TA4207H15 | 6.1 | --- | TA4207H15 | 6.1 | --- | | | |
| | TA1107H09 | 7.4 | --- | | TA2115H09 | 6.2 | --- | | TA3203H09 | 5.4 | --- | | | | | | |
| | TA2115H05 | 6.6 | --- | | TA3203H05 | 10.4 | --- | | TA4207H05 | 9.6 | --- | | | | | | |
| 119-120 | TA1107H15 | 4.4 | --- | 121-143 | TA2115H09 | 6.1 | --- | 106-120 | TA4207H15 | 6.1 | --- | TA4207H15 | 6.1 | --- | | | |
| | TA1107H09 | 7.1 | --- | | TA3203H05 | 7.7 | --- | | TA3203H09 | 5.6 | --- | | | | | | |
| | TA1107H05 | 11.2 | --- | | TA2115H09 | 6.5 | --- | | TA3203H05 | 8.6 | --- | | | | | | |
| 121-200 | TA1107H09 | 7.1 | --- | 144-200 | TA2115H05 | 6.4 | --- | 121-141 | TA3203H09 | 5.7 | --- | TA3203H09 | 5.7 | --- | | | |
| | TA1107H05 | 11.2 | --- | | TA2115H05 | 6.0 | --- | | TA3203H05 | 7.7 | --- | | | | | | |
| 201-276 | TA1107H05 | 9.1 | --- | 4 | TA12608H40 | 17.2 | --- | 142-200 | TA2115H09 | 6.5 | --- | TA2115H09 | 6.5 | --- | | | |
| 277-400 | TA0107L05 | 5.8 | --- | | TA12608H25 | 9.5 | --- | | TA3203H05 | 7.2 | --- | | | | | | |
| 15 | 4 | TA10507H40 | 8.5 | --- | 5-6 | TA10507H40 | 8.5 | --- | 201-238 | TA3203H05 | 7.0 | --- | TA3203H05 | 7.0 | --- | | |
| | | TA10507H25 | 8.5 | --- | | TA10507H25 | 8.5 | --- | | TA2115H05 | 5.7 | --- | | | | | |
| | | TA10507H15 | 10.8 | --- | | TA10507H15 | 10.8 | --- | | 239-400 | TA2115H05 | 5.7 | --- | | | | |
| | 5-6 | TA9415H40 | 8.0 | --- | 7-8 | TA9415H40 | 8.0 | --- | 4 | | TDT1425 † | 15.0 | --- | TA12608H40 | 17.2 | --- | |
| | | TA9415H25 | 8.0 | --- | | TA9415H25 | 8.0 | --- | | | 5 | TA12608H25 | 9.5 | --- | TA12608H25 | 9.5 | --- |
| | | TA9415H15 | 10.2 | --- | | TA9415H15 | 10.2 | --- | | TA12608H15 | | 13.7 | --- | | | | |
| 7-8 | TA8407H40 | 6.2 | --- | 9-11 | TA8407H40 | 6.2 | --- | 6-7 | TA10507H40 | 8.5 | --- | TA10507H40 | 8.5 | --- | | | |
| | TA8407H25 | 6.2 | --- | | TA8407H25 | 6.2 | --- | | TA10507H25 | 8.5 | --- | | | | | | |
| | | | | | | TA8407H15 | 6.2 | --- | | | TA10507H15 | 10.8 | --- | | | | |

* See Page 136 for lubrication for 15 RPM and slower

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|------------------------|--------------------------|---------------------------------|-----------------------------------|

SELECTION

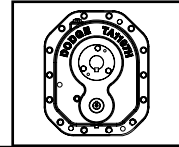


TORQUE-ARM II Shaft Mount Speed Reducers

CLASS I SELECTIONS (cont) * (SF = 1.0)

| Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | | |
|---|------------|-------------------|-----------------------|----------------|------------------|------------|-------------------|-----------------------|----------------|-----------|------------|-------------------|-----------------------|----------------|------------|------|
| 25 (cont) | 8-10 | TA9415H40 | 8.0 | --- | 30 (cont) | 4-5 | TDT1425 † | 15.0 | --- | 40 | 4 | TDT1530 † | 15.0 | --- | | |
| | | TA9415H25 | 8.0 | --- | | 6 | TA12608H40 | 17.2 | --- | | 5-6 | TDT1425 † | 15.0 | --- | | |
| | | TA9415H15 | 10.2 | --- | | | TA12608H25 | 9.5 | --- | | 7 | TA12608H40 | 17.2 | --- | | |
| | 11-15 | TA8407H40 | 6.2 | --- | | TA12608H15 | 13.7 | --- | TDT1425 † | | | 15.0 | --- | 8 | TA12608H40 | 17.2 |
| | | TA8407H25 | 6.2 | --- | | 7-9 | TA10507H40 | 8.5 | --- | | TA12608H25 | 9.5 | --- | | | |
| | | TA8407H15 | 6.2 | --- | | | TA10507H15 | 10.8 | --- | | TA12608H15 | 13.7 | --- | | | |
| | 16-23 | TA7315H40 | 6.2 | --- | | 10-12 | TA9415H40 | 8.0 | --- | | 9-12 | TA10507H40 | 8.5 | --- | | |
| | | TA7315H25 | 6.2 | --- | | | TA9415H25 | 8.0 | --- | | | TA10507H25 | 8.5 | --- | | |
| | | TA7315H15 | 6.2 | --- | | | TA9415H15 | 10.3 | --- | | | TA10507H15 | 10.8 | --- | | |
| | 24-32 | TA6307H40 | 6.3 | --- | | 13-18 | TA8407H40 | 6.2 | --- | | 13-17 | TA9415H40 | 8.0 | --- | | |
| | | TA6307H25 | 6.3 | --- | | | TA8407H25 | 6.2 | --- | | | TA9415H25 | 8.0 | --- | | |
| | | TA6307H15 | 6.3 | --- | | | TA8407H15 | 6.2 | --- | | | TA9415H15 | 10.5 | --- | | |
| | 33-50 | TA5215H40 | 6.3 | --- | | 19-28 | TA7315H40 | 6.2 | --- | | 18-25 | TA8407H40 | 6.2 | --- | | |
| | | TA5215H25 | 5.6 | --- | | | TA7315H25 | 6.2 | --- | | | TA8407H25 | 6.2 | --- | | |
| | | TA5215H15 | 6.5 | --- | | | TA7315H15 | 6.2 | --- | | | TA8407H15 | 6.2 | --- | | |
| | 51-58 | TA5215H25 | 5.4 | --- | | 29-30 | TA6307H40 | 6.3 | --- | | 26-38 | TA7315H40 | 6.2 | --- | | |
| | | TA5215H15 | 6.3 | --- | | | TA6307H25 | 6.3 | --- | | | TA7315H25 | 6.2 | --- | | |
| | 59-80 | TA4207H25 | 4.6 | --- | | TA6307H15 | 6.3 | --- | TA7315H15 | | | 6.2 | --- | | | |
| | | TA4207H15 | 6.7 | --- | | 31-39 | TA6307H40 | 6.2 | --- | | 39-50 | TA6307H40 | 6.2 | --- | | |
| | 81-89 | TA4207H15 | 6.4 | --- | | | TA6307H25 | 6.2 | --- | | | TA6307H25 | 6.2 | --- | | |
| TA4207H09 | | 10.1 | --- | TA6307H15 | 6.3 | --- | TA6307H15 | 6.2 | --- | | | | | | | |
| 90-110 | TA4207H15 | 6.3 | --- | 40-50 | TA5215H40 | 6.2 | --- | 51-54 | TA6307H25 | 6.2 | --- | | | | | |
| | TA4207H09 | 9.9 | --- | | TA5215H25 | 5.5 | --- | | TA6307H15 | 6.2 | --- | | | | | |
| | TA5215H05 | 13.9 | --- | TA5215H15 | 6.4 | --- | 55-80 | TA5215H25 | 5.4 | --- | | | | | | |
| 111-120 | TA4207H15 | 6.0 | --- | 51-72 | TA5215H25 | 5.4 | | --- | TA5215H15 | 6.0 | --- | | | | | |
| | TA4207H09 | 9.4 | --- | | TA5215H15 | 6.3 | --- | TA5215H09 | 9.1 | --- | | | | | | |
| | TA4207H05 | 9.5 | --- | 73-80 | TA4207H25 | 4.4 | --- | 81-89 | TA5215H15 | 6.0 | --- | | | | | |
| 121-163 | TA4207H09 | 9.3 | --- | | TA4207H15 | 6.5 | --- | | TA5215H09 | 5.7 | --- | | | | | |
| | TA4207H05 | 9.3 | --- | 81-89 | TA4207H15 | 6.4 | --- | TA5215H05 | 8.9 | --- | | | | | | |
| 164-200 | TA4207H09 | 8.5 | --- | | TA4207H09 | 10.1 | --- | TA5215H05 | 13.9 | --- | | | | | | |
| | TA3203H05 | 7.0 | --- | 90-120 | TA4207H15 | 6.3 | --- | 103-107 | TA4207H15 | 6.1 | --- | | | | | |
| TA3203H05 | 7.0 | --- | TA4207H09 | | 9.9 | --- | TA5215H09 | | 8.6 | --- | | | | | | |
| 30 | 4-5 | TDT1425 † | 15.0 | --- | TA5215H05 | 13.9 | --- | TA5215H05 | 12.9 | --- | | | | | | |
| | 6 | TA12608H40 | 17.2 | --- | 121-132 | TA4207H09 | 9.3 | --- | 108-120 | TA4207H15 | 6.0 | --- | | | | |
| TA12608H25 | | 9.5 | --- | TA5215H05 | | 11.8 | --- | TA4207H09 | | 9.5 | --- | | | | | |
| TA12608H15 | | 13.7 | --- | 133-200 | TA4207H09 | 9.1 | --- | TA5215H05 | 12.6 | --- | | | | | | |
| * See Page 136 for lubrication for 15 RPM and slower † See DODGE Gear Engineering Catalog DMR-1205-2 for information on TDT1425 and TDT1530 Reducers | | | | | TA4207H05 | 9.2 | --- | 121-182 | TA4207H09 | 9.3 | --- | | | | | |
| | | | | | TA4207H05 | 9.3 | --- | | TA5215H05 | 11.8 | --- | | | | | |
| | | | | | 201-215 | TA4207H05 | 9.3 | --- | 183-185 | TA4207H09 | 8.1 | --- | | | | |
| | | | | | 216-400 | TA3203H05 | 7.0 | --- | | TA4207H05 | 9.1 | --- | | | | |

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| NOMENCLATURE PAGE 8 | EASY SELECTION PAGE 9 | SELECTION/DIMENSIONS PAGE 36 | ENGINEERING/TECHNICAL PAGE 129 |
|------------------------|--------------------------|---------------------------------|-----------------------------------|



SELECTION

TORQUE-ARM II Shaft Mount Speed Reducers

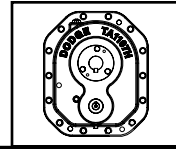
CLASS I SELECTIONS (cont) * (SF = 1.0)

| Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | | |
|-----------|------------|-------------------|-----------------------|----------------|-----------|------------|-------------------|-----------------------|----------------|-----------|------------|-------------------|-----------------------|----------------|------|-----|
| 40 (cont) | 186-200 | TA4207H09 | 8.0 | --- | 50 (cont) | 94-120 | TA5215H15 | 5.6 | --- | 60 (cont) | 94-115 | TA5215H15 | 5.6 | --- | | |
| | | TA4207H05 | 9.2 | --- | | | | TA5215H09 | 8.8 | | | --- | | TA5215H09 | 8.8 | --- |
| | 201-400 | TA4207H05 | 9.8 | --- | | | | TA5215H05 | 13.6 | | --- | | 116-120 | TA5215H15 | 5.1 | Fan |
| 50 | 4-5 | TDT1530 † | 15.0 | --- | | | 121-144 | TA5215H09 | 8.3 | | --- | | | TA5215H09 | 8.4 | --- |
| | 6-8 | TDT1425 † | 15.0 | --- | | | | TA5215H05 | 11.8 | | --- | | 121-131 | TA5215H09 | 8.3 | --- |
| | 9-10 | TA12608H40 | 17.2 | --- | | | 145-200 | TA4207H09 | 8.9 | | --- | | | TA6307H05 | 14.5 | --- |
| | | TA12608H25 | 9.5 | --- | | | | TA5215H05 | 11.2 | | --- | | 132-200 | TA5215H09 | 7.9 | --- |
| | 11-15 | TA12608H15 | 13.7 | --- | | | 201-242 | TA5215H05 | 9.9 | | --- | | | TA5215H05 | 11.4 | --- |
| | | TA10507H40 | 8.5 | --- | | | 243-400 | TA4207H05 | 9.7 | | --- | | 201-400 | TA5215H05 | 9.9 | --- |
| | 16-17 | TA10507H25 | 8.5 | --- | | | 4-6 | TDT1530 † | 15.0 | | --- | | 5-8 | TDT1530 † | 15.0 | --- |
| | | TA10507H15 | 10.8 | --- | | | 7-10 | TDT1425 † | 15.0 | | --- | | 9-13 | TDT1425 † | 15.0 | --- |
| | 18-21 | TA9415H40 | 8.0 | Fan | | | 11-13 | TA12608H40 | 17.2 | | --- | | 14-16 | TA12608H40 | 17.1 | --- |
| | | TA9415H25 | 8.0 | --- | | | TA12608H25 | 9.5 | --- | | TA12608H25 | 9.5 | | --- | | |
| | 22-27 | TA9415H15 | 10.5 | --- | | | TA12608H15 | 13.9 | --- | | | TA12608H15 | 14.2 | --- | | |
| | | TA9415H40 | 8.0 | --- | | 14-18 | TA10507H40 | 8.5 | --- | | 17-23 | TA10507H40 | 8.5 | --- | | |
| | TA9415H25 | 8.0 | --- | | | | TA10507H25 | 8.5 | --- | | | TA10507H25 | 8.5 | --- | | |
| | 28-32 | TA9415H15 | 10.7 | --- | | | TA10507H15 | 10.8 | --- | | | TA10507H15 | 10.8 | --- | | |
| | | TA8407H40 | 6.2 | Fan | | 19 | TA9415H40 | 8.0 | Fan | | 24-33 | TA9415H40 | 8.0 | Fan | | |
| | TA8407H25 | 6.2 | --- | | | | TA9415H25 | 8.0 | Fan | | | TA9415H25 | 8.0 | Fan | | |
| | 33-49 | TA8407H15 | 6.2 | --- | | | TA9415H15 | 10.7 | --- | | | TA9415H15 | 10.8 | --- | | |
| | | TA8407H40 | 6.2 | --- | | 20-26 | TA9415H40 | 8.0 | Fan | | 34-37 | TA8407H40 | 6.2 | Fan | | |
| | TA8407H25 | 6.2 | --- | | | | TA9415H25 | 8.0 | --- | | | | TA8407H25 | 6.2 | Fan | |
| | 50 | TA8407H15 | 6.2 | --- | | | TA9415H15 | 10.8 | --- | | | TA8407H15 | 6.2 | Fan | | |
| | | TA7315H40 | 6.2 | --- | | 27-30 | TA8407H40 | 6.2 | Fan | | 38-49 | TA8407H40 | 6.2 | Fan | | |
| | TA7315H25 | 6.2 | --- | | | | TA8407H25 | 6.2 | Fan | | | | TA8407H25 | 6.2 | Fan | |
| | 51-69 | TA7315H15 | 6.2 | --- | | | TA8407H15 | 6.2 | --- | | | TA8407H15 | 6.2 | --- | | |
| | | TA6307H40 | 6.2 | Fan | | 31-39 | TA8407H40 | 6.2 | Fan | | 50 | TA7315H40 | 6.2 | Fan | | |
| TA6307H25 | 6.2 | --- | | | TA8407H25 | | 6.2 | --- | | | | TA7315H25 | 6.2 | Fan | | |
| 70-80 | TA6307H15 | 6.2 | --- | | | TA8407H15 | 6.2 | --- | | | TA7315H15 | 6.2 | --- | | | |
| | TA5215H25 | 5.3 | Fan | | 40-50 | TA7315H40 | 6.2 | Fan | | 51-77 | TA7315H25 | 6.2 | Fan | | | |
| TA5215H15 | 6.1 | --- | | | | TA7315H25 | 6.2 | --- | | | | TA7315H15 | 6.2 | --- | | |
| 81-89 | TA5215H09 | 9.1 | --- | | | TA7315H15 | 6.2 | --- | | | TA7315H25 | 6.2 | Fan | | | |
| | TA5215H15 | 5.7 | --- | | 51-60 | TA7315H25 | 6.2 | --- | | 78-80 | TA6307H25 | 6.2 | Fan | | | |
| TA5215H05 | 15.1 | --- | | | | TA7315H15 | 6.2 | --- | | | | TA6307H15 | 6.2 | Fan | | |
| | | | | | 61-80 | TA6307H25 | 6.2 | --- | | 81-89 | TA6307H15 | 6.3 | Fan | | | |
| | | | | | | | TA6307H15 | 6.2 | --- | | | | TA6307H09 | 9.9 | Fan | |
| | | | | | 81-88 | TA6307H15 | 6.3 | --- | | 90-101 | TA6307H15 | 6.5 | Fan | | | |
| | | | | | | | TA6307H09 | 9.9 | --- | | | | TA6307H09 | 10.3 | Fan | |
| | | | | | 89 | TA5215H15 | 5.7 | Fan | | | TA6307H15 | 6.7 | Fan | | | |
| | | | | | | | TA6307H09 | 9.9 | --- | | | TA6307H09 | 10.8 | Fan | | |
| | | | | | 90-93 | TA5215H15 | 5.7 | --- | | 102-120 | TA6307H15 | 15.1 | --- | | | |
| | | | | | | | TA6307H09 | 10.1 | --- | | | | TA6307H05 | 15.1 | --- | |
| | | | | | | TA6307H05 | 15.1 | --- | | | | | | | | |

* See Page 136 for lubrication for 15 RPM and slower
 † See DODGE Gear Engineering Catalog DMR-1205-2 for information on TDT1425 and TDT1530 Reducers

| | | | |
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| NOMENCLATURE PAGE 8 | EASY SELECTION PAGE 9 | SELECTION/DIMENSIONS PAGE 36 | ENGINEERING/TECHNICAL PAGE 129 |
|------------------------|--------------------------|---------------------------------|-----------------------------------|

SELECTION

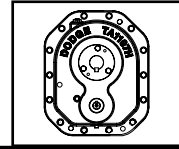


TORQUE-ARM II Shaft Mount Speed Reducers

CLASS I SELECTIONS (cont) * (SF = 1.0)

| Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | | | | | |
|---|------------|-------------------|-----------------------|----------------|------------|------------|-------------------|-----------------------|----------------|-----------|------------|-------------------|-----------------------|----------------|--------|------------|-----------|------------|------|
| 75 (cont) | 121-129 | TA6307H09 | 10.8 | Fan | 100 (cont) | 111 | TA6307H15 | 6.6 | Fan | 150 | 9-17 | TDT1530 † | 15.0 | --- | | | | | |
| | | TA6307H05 | 14.5 | --- | | | TA6307H09 | 10.5 | Fan | | 18-26 | TDT1425 † | 15.0 | --- | | | | | |
| | 130-196 | TA5215H09 | 7.9 | --- | | 112-120 | TA6307H15 | 6.7 | Fan | | 27-34 | TA12608H40 | 17.1 | P&C | | | | | |
| | | TA6307H05 | 14.4 | --- | | | TA6307H09 | 10.8 | Fan | | | TA12608H25 | 9.5 | Fan | | | | | |
| | 197-200 | TA5215H09 | 5.9 | Fan | | 121-157 | TA7315H05 | 13.2 | --- | | 35-36 | TA12608H15 | 15.1 | Fan | | | | | |
| | | TA6307H05 | 13.9 | --- | | | TA6307H09 | 10.9 | Fan | | | TA10507H40 | 8.5 | P&C | | | | | |
| 201-208 | TA6307H05 | 13.8 | --- | 158-200 | TA7315H05 | 12.8 | --- | TA12608H25 | 9.5 | | Fan | | | | | | | | |
| 209-400 | TA5215H05 | 9.7 | --- | | TA6307H09 | 10.9 | Fan | | TA12608H15 | | 15.2 | Fan | | | | | | | |
| 100 | 6-11 | TDT1530 † | 15.0 | --- | 201-400 | TA6307H09 | 14.2 | --- | 37-49 | | TA10507H40 | 8.5 | P&C | | | | | | |
| | 12-17 | TDT1425 † | 15.0 | --- | | TA6307H05 | 13.8 | --- | | | TA10507H25 | 8.5 | Fan | | | | | | |
| | 18-19 | TA12608H40 | 17.1 | Fan | 8-14 | TDT1530 † | 15.0 | --- | TA10507H15 | | 11.3 | --- | | | | | | | |
| | | TA12608H25 | 9.5 | --- | | 15-21 | TDT1425 † | 15.0 | | | --- | 50 | TA9415H40 | 8.0 | P&C | | | | |
| | 20-22 | TA12608H15 | 14.4 | --- | 22-26 | TA12608H40 | 17.1 | Fan | TA9415H25 | 8.0 | P&C | | | | | | | | |
| | | TA12608H40 | 17.1 | --- | | TA12608H25 | 9.5 | Fan | TA9415H15 | 10.8 | Fan | | | | | | | | |
| | 23-26 | TA12608H25 | 9.5 | --- | 27-28 | TA12608H15 | 14.8 | Fan | 51-72 | TA9415H25 | 8.0 | P&C | | | | | | | |
| | | TA12608H15 | 14.6 | --- | | TA12608H40 | 17.1 | Fan | | TA9415H15 | 10.8 | Fan | | | | | | | |
| | 27-31 | TA10507H40 | 8.5 | Fan | 29 | TA12608H25 | 9.5 | Fan | 73-80 | TA8407H25 | 6.2 | P&C | | | | | | | |
| | | TA10507H25 | 8.5 | --- | | TA12608H15 | 14.9 | --- | | TA8407H15 | 7.5 | Fan | | | | | | | |
| | 32-46 | TA10507H15 | 10.7 | --- | 30-40 | TA10507H40 | 8.5 | Fan | 81-112 | TA8407H15 | 8.6 | Fan | | | | | | | |
| | | TA9415H40 | 8.0 | Fan | | TA10507H25 | 8.5 | Fan | | 113 | TA7315H15 | 6.2 | Fan | | | | | | |
| | 47-50 | TA9415H25 | 8.0 | Fan | 41-43 | TA10507H15 | 10.8 | Fan | 114-120 | TA7315H15 | 6.2 | Fan | | | | | | | |
| | | TA9415H15 | 10.8 | Fan | | TA9415H40 | 8.0 | P&C | | TA7315H09 | 8.5 | Fan | | | | | | | |
| | 51-68 | TA8407H40 | 6.2 | Fan | 51-59 | TA9415H25 | 8.0 | P&C | 121-200 | TA7315H09 | 8.6 | Fan | | | | | | | |
| | | TA8407H25 | 6.2 | Fan | | TA9415H15 | 10.8 | Fan | | TA7315H05 | 8.6 | Fan | | | | | | | |
| | 69-80 | TA8407H15 | 7.0 | Fan | 60-80 | TA8407H25 | 6.2 | P&C | 213-400 | TA7315H05 | 11.5 | --- | | | | | | | |
| | | TA7315H25 | 6.2 | Fan | | TA8407H15 | 7.5 | Fan | | 12-23 | TDT1530 † | 15.0 | --- | | | | | | |
| | 81-110 | TA7315H15 | 6.2 | Fan | 81-88 | TA8407H15 | 7.8 | Fan | 24-35 | TDT1425 † | 15.0 | --- | | | | | | | |
| | | TA7315H09 | 8.5 | Fan | | 89-90 | TA7315H15 | 6.2 | | Fan | TA12608H40 | 17.1 | P&C | | | | | | |
| * See Page 136 for lubrication for 15 RPM and slower † See DODGE Gear Engineering Catalog DMR-1205-2 for information on TDT1425 and TDT1530 Reducers P&C (Pump & Coolers) - Use the DODGE Speed Reducer Auxiliary cooling package, part number 014148 | | | | | 125 | 91-120 | TA7315H15 | 6.2 | Fan | 200 | 36-47 | TA12608H25 | 9.5 | P&C | | | | | |
| | | | | | | 121-149 | TA7315H09 | 8.6 | Fan | | | TA12608H15 | 15.6 | Fan | | | | | |
| | | | | | | 150-160 | TA6307H09 | 10.9 | Fan | | 48-50 | TA10507H40 | 8.5 | P&C | 51 | TA12608H25 | 9.6 | P&C | |
| | | | | | | | TA6307H05 | 11.9 | --- | | | TA12608H15 | 15.7 | Fan | | TA12608H15 | 15.7 | Fan | |
| | | | | | | 201-225 | TA7315H05 | 11.7 | --- | | 81-88 | TA8407H15 | 7.8 | Fan | 52-67 | TA10507H25 | 8.8 | P&C | |
| | | | | | | | 226-368 | TA6307H05 | 12.8 | | | --- | 89-90 | TA7315H15 | | 6.2 | Fan | TA10507H15 | 12.4 |
| | | | | | | 369-400 | TA6307H05 | 10.9 | Fan | | 161-200 | TA7315H05 | 11.9 | --- | 68 | TA9415H25 | 8.0 | P&C | |
| | | | | | | | TA7315H05 | 11.9 | --- | | | TA7315H05 | 11.7 | --- | | TA10507H15 | 12.5 | Fan | |
| | | | | | | | | | | | 201-225 | TA7315H05 | 11.7 | --- | 69-80 | TA9415H25 | 8.0 | P&C | |
| | | | | | | | | | | | | 226-368 | TA6307H05 | 12.8 | | --- | TA9415H15 | 10.7 | P&C |
| | | | | | | | | | | | 369-400 | TA6307H05 | 10.9 | Fan | 81-100 | TA9415H15 | 10.5 | P&C | |
| | | | | | | | | | | | | | | 101-120 | | TA8407H15 | 8.7 | P&C | |

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|------------------------|--------------------------|---------------------------------|-----------------------------------|



SELECTION

TORQUE-ARM II Shaft Mount Speed Reducers

CLASS I SELECTIONS (cont) * (SF = 1.0)

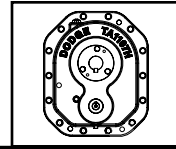
| Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method |
|-------------------|------------|-------------------|-----------------------|----------------|-------------------|------------|-------------------|-----------------------|----------------|
| 200 (cont) | 172-200 | TA7315H09 | 8.4 | P&C | 400 (cont) | 71-80 | TA12608H25 | 10.7 | P&C |
| | 331-400 | TA7315H05 | 10.8 | Fan | | TA12608H15 | 16.1 | P&C | |
| 250 | 16-30 | TDT1530 † | 15.0 | --- | 450 | 81-120 | TA12608H15 | 15.6 | P&C |
| | 31-43 | TDT1425 † | 15.0 | Fan | | 30-31 | TDT1530 † | 15.0 | P&C |
| | 44-50 | TA12608H40 | 17.1 | P&C | | 32-57 | TDT1530 † | 15.0 | Fan |
| | | TA12608H25 | 9.5 | P&C | | 59-75 | TDT1425 † | 15.0 | P&C |
| | 51-67 | TA12608H15 | 15.7 | P&C | 84-120 | TA12608H15 | 15.5 | P&C | |
| | | TA12608H25 | 10.4 | P&C | 500 | 34-57 | TDT1530 † | 15.0 | P&C |
| | TA12608H15 | 16.1 | P&C | 66-75 | | TDT1425 † | 15.0 | P&C | |
| | 68-75 | TA10507H25 | 9.2 | P&C | 97-120 | TA12608H15 | 15.1 | P&C | |
| | | TA10507H15 | 13.0 | P&C | 600 | 41-57 | TDT1530 † | 15.0 | P&C |
| | 76-80 | TA10507H25 | 9.4 | P&C | 700 | 50-57 | TDT1530 † | 15.0 | P&C |
| TA10507H15 | | 13.4 | P&C | | | | | | |
| 81-90 | TA10507H15 | 13.6 | P&C | | | | | | |
| 91-120 | TA9415H15 | 10.3 | P&C | | | | | | |
| 300 | 19-36 | TDT1530 † | 15.0 | --- | | | | | |
| | 37-52 | TDT1425 † | 15.0 | P&C | | | | | |
| | 53-80 | TA12608H25 | 10.7 | P&C | | | | | |
| | | TA12608H15 | 16.1 | P&C | | | | | |
| | 81-83 | TA12608H15 | 15.6 | P&C | | | | | |
| | 84-115 | TA10507H15 | 13.6 | P&C | | | | | |
| 116-120 | TA9415H15 | 10.2 | P&C | | | | | | |
| 350 | 23-42 | TDT1530 † | 15.0 | Fan | | | | | |
| | 43-61 | TDT1425 † | 15.0 | P&C | | | | | |
| | 62-80 | TA12608H25 | 10.7 | P&C | | | | | |
| | | TA12608H15 | 16.1 | P&C | | | | | |
| | 81-103 | TA12608H15 | 15.6 | P&C | | | | | |
| 104-120 | TA10507H15 | 13.5 | P&C | | | | | | |
| 400 | 27-50 | TDT1530 † | 15.0 | Fan | | | | | |
| | 51-70 | TDT1425 † | 15.0 | P&C | | | | | |

* See Page 136 for lubrication for 15 RPM and slower
 † See DODGE Gear Engineering Catalog DMR-1205-2 for information on TDT1425 and TDT1530 Reducers

P&C (Pump & Coolers) - Use the DODGE Speed Reducer Auxiliary cooling package, part number 014148

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SELECTION



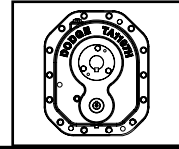
TORQUE-ARM II Shaft Mount Speed Reducers

CLASS II SELECTIONS * (SF = 1.4)

| Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | |
|-----------|------------|-------------------|-----------------------|----------------|------------|------------|-------------------|-----------------------|----------------|-----------|------------|-------------------|-----------------------|----------------|-----|
| 1/4 | 4-5 | TA1107H31 | 5.0 | --- | 1/2 (cont) | 11-50 | TA0107L31 | 4.0 | --- | 1 (cont) | 8-11 | TA2115H33 | 3.7 | --- | |
| | | TA1107H25 | 6.4 | --- | | | TA0107L25 | 4.0 | --- | | | TA2115H25 | 3.3 | --- | |
| | | TA1107H15 | 5.5 | --- | | | TA0107L15 | 4.0 | --- | | | TA2115H15 | 3.3 | --- | |
| | 6-50 | TA0107L31 | 4.0 | --- | | | 51-80 | TA0107L25 | 4.0 | | --- | 12-21 | TA1107H31 | 4.9 | --- |
| | | TA0107L25 | 4.0 | --- | | | | TA0107L15 | 4.0 | | --- | | TA1107H25 | 6.3 | --- |
| | | TA0107L15 | 4.0 | --- | | | | TA0107L15 | 4.0 | | --- | | TA1107H15 | 5.5 | --- |
| | 51-80 | TA0107L25 | 4.0 | --- | | | 81-89 | TA0107L09 | 5.3 | | --- | 22-50 | TA0107L31 | 4.0 | --- |
| | | TA0107L15 | 4.0 | --- | | | | TA0107L09 | 5.2 | | --- | | TA0107L25 | 4.0 | --- |
| | 81-89 | TA0107L15 | 4.0 | --- | | | 90-120 | TA0107L05 | 9.2 | | --- | 51-80 | TA0107L25 | 4.0 | --- |
| | | TA0107L09 | 5.3 | --- | | TA0107L09 | | 5.0 | --- | | TA0107L15 | | 4.0 | --- | |
| TA0107L05 | | 9.2 | --- | TA0107L05 | 8.3 | --- | | TA0107L15 | 4.0 | --- | | | | | |
| 90-120 | TA0107L05 | 9.2 | --- | 121-200 | TA0107L05 | 6.9 | --- | 81-89 | TA0107L15 | 4.0 | --- | | | | |
| | TA0107L09 | 5.0 | --- | | 201-400 | TA0107L05 | 6.9 | | --- | TA0107L05 | 5.3 | --- | | | |
| | TA0107L05 | 8.3 | --- | | | 4-5 | TA3203H32 | | 4.6 | --- | TA0107L15 | 4.0 | --- | | |
| 121-200 | TA0107L05 | 8.3 | --- | 6-8 | | | TA3203H25 | 4.6 | --- | 90-120 | TA0107L09 | 5.2 | --- | | |
| | TA0107L05 | 8.3 | --- | | TA2115H33 | | 3.7 | --- | TA0107L05 | | 9.2 | --- | | | |
| | TA0107L05 | 6.9 | --- | | TA2115H25 | 3.3 | --- | TA0107L05 | 6.9 | | --- | | | | |
| 1/3 | 4-6 | TA1107H31 | 5.0 | --- | 3/4 | 6-8 | TA2115H15 | 3.3 | --- | 1-1/2 | 4 | TA5215H40 | 6.8 | --- | |
| | | TA1107H25 | 6.4 | --- | | | TA1107H31 | 5.0 | --- | | | TA5215H25 | 6.1 | --- | |
| | | TA1107H15 | 5.5 | --- | | | TA1107H25 | 6.4 | --- | | | TA5215H15 | 7.1 | --- | |
| | 7-50 | TA0107L31 | 4.0 | --- | | 9-16 | TA1107H15 | 5.5 | --- | | 5-7 | TA4207H40 | 5.0 | --- | |
| | | TA0107L25 | 4.0 | --- | | | TA0107L31 | 4.0 | --- | | | TA4207H25 | 5.5 | --- | |
| | | TA0107L15 | 4.0 | --- | | | TA0107L25 | 4.0 | --- | | | TA4207H15 | 8.1 | --- | |
| | 51-80 | TA0107L25 | 4.0 | --- | | 17-50 | TA0107L15 | 4.0 | --- | | 8-10 | TA3203H32 | 4.6 | --- | |
| | | TA0107L15 | 4.0 | --- | | | TA0107L15 | 4.0 | --- | | | TA3203H25 | 4.6 | --- | |
| | 81-89 | TA0107L15 | 4.0 | --- | | 51-80 | TA0107L15 | 4.0 | --- | | | 11-17 | TA3203H15 | 4.6 | --- |
| | | TA0107L09 | 5.3 | --- | | | TA0107L15 | 4.0 | --- | | TA2115H33 | | 3.7 | --- | |
| TA0107L09 | | 5.3 | --- | TA0107L09 | 5.3 | | --- | TA2115H25 | 3.3 | --- | | | | | |
| 90-120 | TA0107L15 | 4.0 | --- | 81-89 | TA0107L15 | 4.0 | --- | 18-34 | TA2115H15 | 3.3 | --- | | | | |
| | TA0107L09 | 5.2 | --- | | TA0107L09 | 5.2 | --- | | TA1107H31 | 4.8 | --- | | | | |
| | TA0107L05 | 9.2 | --- | | TA0107L05 | 9.2 | --- | | TA1107H25 | 5.9 | --- | | | | |
| 121-200 | TA0107L09 | 5.0 | --- | 90-120 | TA0107L05 | 9.2 | --- | 35-50 | TA1107H15 | 5.3 | --- | | | | |
| | TA0107L05 | 8.3 | --- | | TA0107L09 | 5.0 | --- | | TA0107L31 | 4.0 | --- | | | | |
| | TA0107L05 | 6.9 | --- | | TA0107L05 | 8.3 | --- | | TA0107L25 | 4.0 | --- | | | | |
| 201-400 | TA0107L05 | 6.9 | --- | 121-200 | TA0107L05 | 6.9 | --- | 51-80 | TA0107L15 | 4.0 | --- | | | | |
| | TA0107L05 | 6.9 | --- | | 201-400 | TA0107L05 | 6.9 | | --- | TA0107L15 | 4.0 | --- | | | |
| | TA0107L05 | 6.9 | --- | | | TA0107L05 | 6.9 | | --- | TA0107L15 | 4.0 | --- | | | |
| 1/2 | 4-5 | TA2115H33 | 3.7 | --- | | 1 | 4 | TA4207H40 | 5.0 | --- | 81-89 | TA0107L15 | 4.0 | --- | |
| | | TA2115H25 | 3.3 | --- | TA4207H25 | | | 5.5 | --- | TA0107L09 | | 5.3 | --- | | |
| | | TA2115H15 | 3.3 | --- | TA4207H15 | | | 8.1 | --- | TA0107L09 | | 5.3 | --- | | |
| 6-10 | TA1107H31 | 5.0 | --- | 5-7 | TA3203H32 | | 4.6 | --- | 51-80 | TA0107L15 | 4.0 | --- | | | |
| | TA1107H25 | 6.4 | --- | | TA3203H25 | | 4.6 | --- | | TA0107L15 | 4.0 | --- | | | |
| | TA1107H15 | 5.5 | --- | | TA3203H15 | | 4.6 | --- | | TA0107L09 | 5.3 | --- | | | |

* See Page 136 for lubrication for 15 RPM and slower

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SELECTION

TORQUE-ARM II Shaft Mount Speed Reducers

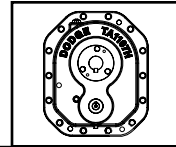
CLASS II SELECTIONS (cont) * (SF = 1.4)

| Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method |
|--------------|------------|-------------------|-----------------------|----------------|-----------|------------|-------------------|-----------------------|----------------|-----------|------------|-------------------|-----------------------|----------------|
| 1-1/2 (cont) | 90-120 | TA0107L15 | 4.0 | --- | 3 (cont) | 9-14 | TA4207H40 | 5.0 | --- | 5 (cont) | 37-50 | TA2115H33 | 3.3 | --- |
| | | TA0107L09 | 5.2 | --- | | | TA4207H25 | 5.5 | --- | | | TA2115H25 | 3.1 | --- |
| | | TA0107L05 | 9.2 | --- | | | TA4207H15 | 8.1 | --- | | | TA2115H15 | 3.2 | --- |
| | 121-200 | TA0107L09 | 5.0 | --- | | 15-21 | TA3203H32 | 4.5 | --- | | 51-67 | TA2115H25 | 3.1 | --- |
| | | TA0107L05 | 8.3 | --- | | | TA3203H25 | 4.5 | --- | | | TA2115H15 | 3.5 | --- |
| | | TA0107L05 | 6.9 | --- | | | TA3203H15 | 4.5 | --- | | | TA1107H25 | 5.2 | --- |
| 2 | 4-5 | TA5215H40 | 6.8 | --- | | 22-38 | TA2115H33 | 3.6 | --- | | 68-80 | TA1107H15 | 4.7 | --- |
| | | TA5215H25 | 6.1 | --- | | | TA2115H25 | 3.3 | --- | | | TA1107H15 | 4.6 | --- |
| | | TA5215H15 | 7.1 | --- | | | TA2115H15 | 3.2 | --- | | | TA1107H09 | 7.7 | --- |
| | 6-9 | TA4207H40 | 5.0 | --- | | 39-50 | TA1107H31 | 4.5 | --- | | 81-89 | TA1107H15 | 4.6 | --- |
| | | TA4207H25 | 5.5 | --- | | | TA1107H25 | 5.5 | --- | | | TA1107H09 | 7.5 | --- |
| | | TA4207H15 | 8.1 | --- | | | TA1107H15 | 5.0 | --- | | | TA1107H05 | 12.5 | --- |
| | 10-14 | TA3203H32 | 4.6 | --- | | 51-73 | TA1107H25 | 5.4 | --- | | 90-120 | TA1107H09 | 7.1 | --- |
| | | TA3203H25 | 4.6 | --- | | | TA1107H15 | 4.9 | --- | | | TA1107H05 | 11.2 | --- |
| | | TA3203H15 | 4.6 | --- | | | TA0107L25 | 4.0 | --- | | | TA107L09 | 5.0 | --- |
| | 15-24 | TA2115H33 | 3.7 | --- | | 74-80 | TA0107L15 | 4.0 | --- | | 132-146 | TA1107H05 | 10.8 | --- |
| | | TA2115H25 | 3.3 | --- | | | TA0107L15 | 4.0 | --- | | | TA0107L09 | 4.8 | --- |
| | | TA2115H15 | 3.3 | --- | | | TA0107L09 | 5.3 | --- | | | TA0107L05 | 7.7 | --- |
| | 25-46 | TA1107H31 | 4.7 | --- | 81-89 | TA0107L15 | 4.0 | --- | 147-200 | TA0107L05 | 6.9 | --- | | |
| | | TA1107H25 | 5.7 | --- | | TA0107L15 | 4.0 | --- | | TA0107L05 | 6.9 | --- | | |
| | | TA1107H15 | 5.2 | --- | | TA0107L09 | 5.2 | --- | | TA0107L05 | 6.9 | --- | | |
| | 47-50 | TA0107L31 | 4.0 | --- | 90-120 | TA0107L09 | 5.0 | --- | 201-400 | TA0107L05 | 6.9 | --- | | |
| | | TA0107L25 | 4.0 | --- | | TA0107L05 | 8.3 | --- | | 4 | TA9415H40 | 8.0 | --- | |
| | | TA0107L15 | 4.0 | --- | | TA0107L05 | 6.9 | --- | | TA9415H25 | 8.0 | --- | | |
| 51-80 | TA0107L25 | 4.0 | --- | 121-200 | TA0107L09 | 5.0 | --- | 5-6 | TA8407H40 | 6.2 | --- | | | |
| | TA0107L15 | 4.0 | --- | | TA0107L05 | 8.3 | --- | | TA8407H25 | 6.2 | --- | | | |
| | TA0107L09 | 5.3 | --- | | TA0107L05 | 6.9 | --- | | TA8407H15 | 6.2 | --- | | | |
| 81-89 | TA0107L15 | 4.0 | --- | 201-400 | TA0107L05 | 6.9 | --- | 7-9 | TA7315H40 | 6.2 | --- | | | |
| | TA0107L09 | 5.3 | --- | | 4 | TA8407H40 | 6.2 | | --- | TA7315H25 | 6.2 | --- | | |
| | TA0107L05 | 9.2 | --- | | TA8407H15 | 6.2 | --- | | TA7315H15 | 6.2 | --- | | | |
| 90-120 | TA0107L15 | 4.0 | --- | 5-6 | TA7315H40 | 6.2 | --- | 10-13 | TA6307H40 | 6.3 | --- | | | |
| | TA0107L09 | 5.2 | --- | | TA7315H25 | 6.2 | --- | | TA6307H25 | 6.3 | --- | | | |
| | TA0107L05 | 9.2 | --- | | TA7315H15 | 6.2 | --- | | TA6307H15 | 6.4 | --- | | | |
| 121-200 | TA0107L09 | 5.0 | --- | 7-8 | TA6307H40 | 6.3 | --- | 14-21 | TA5215H40 | 6.7 | --- | | | |
| | TA0107L05 | 8.3 | --- | | TA6307H25 | 6.3 | --- | | TA5215H25 | 6.0 | --- | | | |
| | TA0107L05 | 8.3 | --- | | TA6307H15 | 6.4 | --- | | TA5215H15 | 7.0 | --- | | | |
| 201-400 | TA0107L05 | 6.9 | --- | 9-14 | TA5215H40 | 6.8 | --- | 22-35 | TA4207H40 | 4.7 | --- | | | |
| | TA0107L05 | 6.9 | --- | | TA5215H25 | 6.1 | --- | | TA4207H25 | 5.2 | --- | | | |
| | TA0107L05 | 6.9 | --- | | TA5215H15 | 7.1 | --- | | TA4207H15 | 7.7 | --- | | | |
| 3 | 4-5 | TA6307H40 | 6.3 | --- | 15-23 | TA4207H40 | 4.9 | --- | 36-50 | TA3203H32 | 4.1 | --- | | |
| | | TA6307H25 | 6.3 | --- | | TA4207H25 | 5.4 | --- | | TA3203H25 | 4.3 | --- | | |
| | | TA6307H15 | 6.4 | --- | | TA4207H15 | 7.9 | --- | | TA3203H15 | 4.3 | --- | | |
| 6-8 | TA5215H40 | 6.8 | --- | 24-36 | TA3203H32 | 4.3 | --- | 51-58 | TA3203H25 | 4.2 | --- | | | |
| | TA5215H25 | 6.1 | --- | | TA3203H25 | 4.4 | --- | | TA3203H15 | 4.2 | --- | | | |
| | TA5215H15 | 7.1 | --- | | TA3203H15 | 4.4 | --- | | TA3203H15 | 4.2 | --- | | | |

* See Page 136 for lubrication for 15 RPM and slower

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|------------------------|--------------------------|---------------------------------|-----------------------------------|

SELECTION

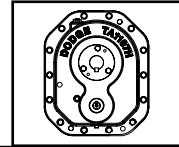


TORQUE-ARM II Shaft Mount Speed Reducers

CLASS II SELECTIONS (cont) * (SF = 1.4)

| Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | | |
|---|------------|-------------------|-----------------------|----------------|-----------|------------|-------------------|-----------------------|----------------|------------|------------|-------------------|-----------------------|----------------|------|-----|
| 7-1/2 (cont) | 59-80 | TA2115H25 | 3.1 | --- | 10 (cont) | 30-49 | TA4207H40 | 4.5 | --- | 15 (cont) | 27-47 | TA5215H40 | 6.4 | --- | | |
| | | TA2115H15 | 3.6 | --- | | | TA4207H25 | 5.0 | --- | | | TA5215H25 | 5.7 | --- | | |
| | 81-89 | TA2115H15 | 3.7 | --- | | 50 | TA4207H15 | 7.4 | --- | | 48-50 | TA5215H15 | 6.6 | --- | | |
| | | TA2115H09 | 6.1 | --- | | | TA3203H32 | 4.0 | --- | | | TA4207H40 | 4.2 | --- | | |
| | 90-105 | TA2115H15 | 3.7 | --- | | 51-80 | TA3203H25 | 4.2 | --- | | 51-80 | TA4207H25 | 4.7 | --- | | |
| | | TA2115H09 | 6.2 | --- | | | TA3203H15 | 4.2 | --- | | | TA4207H15 | 6.9 | --- | | |
| | 106-108 | TA2115H05 | TA2115H05 | 6.5 | | --- | 81-84 | TA3203H25 | 4.2 | | --- | 81 | TA4207H25 | 4.7 | --- | |
| | | | TA2115H05 | 6.5 | | --- | | TA3203H15 | 4.2 | | --- | | TA3203H15 | 4.0 | --- | |
| | 109-120 | TA1107H15 | 4.5 | --- | | 85-89 | TA3203H09 | 5.1 | --- | | 82-89 | TA4207H09 | 10.1 | --- | | |
| | | TA1107H09 | 7.3 | --- | | | TA2115H15 | 3.7 | --- | | | TA3203H15 | 4.0 | --- | | |
| 121-127 | TA2115H05 | 6.6 | --- | 90-120 | TA2115H09 | 6.1 | --- | 90-92 | TA4207H05 | 5.2 | --- | | | | | |
| | TA2115H05 | 6.6 | --- | | TA2115H15 | 3.7 | --- | | TA3203H15 | 4.0 | --- | | | | | |
| 128-200 | TA1107H09 | 7.1 | --- | 121-127 | TA2115H09 | 6.2 | --- | 93-118 | TA3203H09 | 5.3 | --- | | | | | |
| | TA1107H05 | 10.9 | --- | | TA3203H05 | 11.0 | --- | | TA5215H05 | 13.9 | --- | | | | | |
| 201-306 | TA1107H05 | 9.1 | --- | 128-162 | TA2115H09 | 6.1 | --- | 119-120 | TA3203H15 | 4.0 | --- | | | | | |
| 307-400 | TA0107L05 | 5.5 | --- | | TA2115H09 | 6.2 | --- | | TA3203H09 | 5.5 | --- | | | | | |
| 10 | 4 | TA10507H40 | 8.5 | --- | 163-200 | TA2115H05 | 6.5 | --- | 121-149 | TA4207H05 | 9.8 | --- | | | | |
| | | TA10507H25 | 8.5 | --- | | TA1107H09 | 6.5 | --- | | TA3203H15 | 4.0 | --- | | | | |
| | | TA10507H15 | 10.8 | --- | | TA2115H05 | 6.3 | --- | | TA3203H09 | 5.6 | --- | | | | |
| | 5 | TA9415H40 | 8.0 | --- | 201-209 | TA2115H05 | 6.0 | --- | 261-400 | TA3203H05 | 7.7 | --- | | | | |
| | | TA9415H25 | 8.0 | --- | 210-400 | TA1107H05 | 8.9 | --- | | TA3203H09 | 5.7 | --- | | | | |
| | 6-8 | TA9415H15 | 10.2 | --- | 4 | TA12608H40 | 17.2 | --- | 150-200 | TA3203H05 | 7.7 | --- | | | | |
| | | TA8407H40 | 6.2 | --- | | TA12608H25 | 9.5 | --- | | TA2115H09 | 6.5 | --- | | | | |
| | 9-12 | TA8407H25 | 6.2 | --- | 5-6 | TA12608H15 | 13.7 | --- | 201-260 | TA3203H05 | 7.0 | --- | | | | |
| | | TA8407H15 | 6.2 | --- | | TA10507H40 | 8.5 | --- | | TA3203H05 | 7.0 | --- | | | | |
| | 13-17 | TA7315H40 | 6.2 | --- | 7-8 | TA10507H25 | 8.5 | --- | 261-400 | TA2115H05 | 5.6 | --- | | | | |
| TA7315H25 | | 6.2 | --- | TA10507H15 | | 10.8 | --- | 4 | | TDT1425 † | 15.0 | --- | | | | |
| 18-29 | TA7315H15 | 6.2 | --- | 9-12 | TA9415H40 | 8.0 | --- | 5 | TA12608H40 | 17.2 | --- | | | | | |
| | TA6307H40 | 6.3 | --- | | TA9415H25 | 8.0 | --- | | TA12608H25 | 9.5 | --- | | | | | |
| * See Page 136 for lubrication for 15 RPM and slower † See DODGE Gear Engineering Catalog DMR-1205-2 for information on TDT1425 and TDT1530 Reducers | | | | | 13-19 | TA9415H15 | 10.2 | --- | 6-8 | TA12608H15 | 13.7 | --- | | | | |
| | | | | | | TA6307H15 | 6.3 | --- | | TA10507H40 | 8.5 | --- | | | | |
| | | | | | 20-26 | TA8407H40 | 6.2 | --- | 9-11 | TA10507H25 | 8.5 | --- | 6-8 | TA10507H25 | 8.5 | --- |
| | | | | | | TA8407H25 | 6.2 | --- | | TA10507H15 | 10.8 | --- | | TA10507H15 | 10.8 | --- |
| | | | | | 12-17 | TA8407H15 | 6.2 | --- | 9-11 | TA9415H40 | 8.0 | --- | 12-17 | TA9415H40 | 8.0 | --- |
| | | | | | | TA6307H40 | 6.3 | --- | | TA9415H25 | 8.0 | --- | | TA8407H40 | 6.2 | --- |
| | | | | | 12-17 | TA6307H25 | 6.3 | --- | 9-11 | TA9415H15 | 10.2 | --- | 12-17 | TA8407H25 | 6.2 | --- |
| | | | | | | TA6307H15 | 6.3 | --- | | TA6307H40 | 6.3 | --- | | TA8407H15 | 6.2 | --- |
| | | | | | 12-17 | TA6307H25 | 6.3 | --- | 9-11 | TA6307H25 | 6.3 | --- | 12-17 | TA6307H25 | 6.2 | --- |
| | | | | | | TA6307H15 | 6.3 | --- | | TA6307H15 | 6.3 | --- | | TA6307H15 | 6.2 | --- |

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|------------------------|--------------------------|---------------------------------|-----------------------------------|



SELECTION

TORQUE-ARM II Shaft Mount Speed Reducers

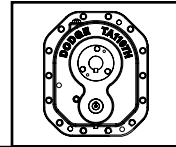
CLASS II SELECTIONS (cont) * (SF = 1.4)

| Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method |
|--------------|------------|-------------------|-----------------------|----------------|--------------|------------|-------------------|-----------------------|----------------|--------------|------------|-------------------|-----------------------|----------------|
| 20 (cont) | 18-26 | TA7315H40 | 6.2 | --- | 25 (cont) | 11-14 | TA9415H40 | 8.0 | --- | 30 (cont) | 13-18 | TA9415H40 | 8.0 | --- |
| | | TA7315H25 | 6.2 | --- | | | TA9415H25 | 8.0 | --- | | | TA9415H25 | 8.0 | --- |
| | | TA7315H15 | 6.2 | --- | | | TA9415H15 | 10.4 | --- | | | TA9415H15 | 10.6 | --- |
| | 27-36 | TA6307H40 | 6.3 | --- | | 15-21 | TA8407H40 | 6.2 | --- | | 19-26 | TA8407H40 | 6.2 | --- |
| | | TA6307H25 | 6.3 | --- | | | TA8407H25 | 6.2 | --- | | | TA8407H25 | 6.2 | --- |
| | | TA6307H15 | 6.3 | --- | | | TA8407H15 | 6.2 | --- | | | TA8407H15 | 6.2 | --- |
| | 37-50 | TA5215H40 | 6.2 | --- | | 22-33 | TA7315H40 | 6.2 | --- | | 27-41 | TA7315H40 | 6.2 | --- |
| | | TA5215H25 | 5.6 | --- | | | TA7315H25 | 6.2 | --- | | | TA7315H25 | 6.2 | --- |
| | | TA5215H15 | 6.5 | --- | | | TA7315H15 | 6.2 | --- | | | TA7315H15 | 6.2 | --- |
| | 51-67 | TA5215H25 | 5.4 | --- | | 34-46 | TA6307H40 | 6.2 | --- | | 42-50 | TA6307H40 | 6.2 | --- |
| | | TA5215H15 | 6.3 | --- | | | TA6307H25 | 6.2 | --- | | | TA6307H25 | 6.2 | --- |
| | 68-80 | TA4207H25 | 4.5 | --- | | 47-50 | TA6307H15 | 6.2 | --- | | 51-56 | TA6307H15 | 6.2 | --- |
| | | TA4207H15 | 6.6 | --- | | | TA5215H40 | 6.1 | --- | | | TA6307H25 | 6.2 | --- |
| | 81-89 | TA4207H15 | 6.4 | --- | | 51-80 | TA5215H25 | 5.5 | --- | | 57-80 | TA5215H25 | 5.4 | --- |
| | | TA4207H09 | 10.1 | --- | | | TA5215H15 | 6.3 | --- | | | TA5215H15 | 6.2 | --- |
| | 90-115 | TA4207H15 | 6.3 | --- | | 81-87 | TA5215H25 | 5.4 | --- | | 81-89 | TA5215H15 | 6.0 | --- |
| TA4207H09 | | 9.9 | --- | TA5215H15 | 6.3 | | --- | TA5215H09 | 9.1 | --- | | | | |
| 116-120 | TA5215H05 | 13.9 | --- | 88-89 | TA5215H09 | 9.1 | --- | 90-110 | TA5215H15 | 5.7 | --- | | | |
| | TA4207H15 | 5.9 | --- | | TA4207H15 | 6.3 | --- | | TA5215H09 | 8.9 | --- | | | |
| 121-123 | TA3203H09 | 5.6 | --- | 90-91 | TA5215H09 | 8.9 | --- | 111-114 | TA5215H05 | 13.9 | --- | | | |
| | TA5215H05 | 11.8 | --- | | TA4207H15 | 6.3 | --- | | TA4207H15 | 6.0 | --- | | | |
| 124-194 | TA3203H09 | 5.7 | --- | 92-120 | TA5215H05 | 13.9 | --- | 115-120 | TA5215H09 | 8.5 | --- | | | |
| | TA4207H05 | 9.3 | --- | | TA4207H15 | 6.3 | --- | | TA5215H05 | 12.4 | --- | | | |
| 195-200 | TA3203H09 | 5.5 | --- | 121-154 | TA4207H09 | 9.3 | --- | 121-195 | TA4207H15 | 5.9 | --- | | | |
| | TA3203H05 | 7.0 | --- | | TA5215H05 | 11.8 | --- | | TA4207H09 | 9.3 | --- | | | |
| 201-400 | TA3203H05 | 7.0 | --- | 155-200 | TA4207H09 | 8.7 | --- | 196-200 | TA5215H05 | 11.8 | --- | | | |
| | | | | | TA4207H05 | 9.2 | --- | | TA4207H09 | 7.8 | --- | | | |
| 25 | 4-6 | TDT1425 † | 15.0 | --- | 201-269 | TA4207H05 | 9.8 | --- | 201-348 | TA4207H05 | 9.8 | --- | | |
| | | TA12608H40 | 17.2 | --- | | 270-400 | TA3203H05 | 7.0 | | --- | 349-400 | TA3203H05 | 7.0 | --- |
| | | TA12608H25 | 9.5 | --- | | | 4 | TDT1530 † | | 15.0 | | --- | 4-6 | TDT1530 † |
| | TA12608H15 | 13.7 | --- | 5-7 | | TDT1425 † | 15.0 | --- | | 7-9 | TDT1425 † | 15.0 | --- | |
| 8-10 | TA10507H40 | 8.5 | --- | 8 | TA12608H40 | 17.2 | --- | 10-12 | TA12608H40 | 17.2 | --- | | | |
| | TA10507H25 | 8.5 | --- | | TA12608H25 | 9.5 | --- | | TA12608H25 | 9.5 | --- | | | |
| | TA10507H15 | 10.8 | --- | TA12608H15 | 13.7 | --- | TA12608H15 | 13.9 | --- | | | | | |
| | | | | TA10507H40 | 8.5 | --- | TA10507H40 | 8.5 | --- | | | | | |
| | | | | 9-12 | TA10507H25 | 8.5 | --- | 13-17 | TA10507H25 | 8.5 | --- | | | |
| | | | | | TA10507H15 | 10.8 | --- | | TA10507H15 | 10.8 | --- | | | |

* See Page 136 for lubrication for 15 RPM and slower
 † See DODGE Gear Engineering Catalog DMR-1205-2 for information on TDT1425 and TDT1530 Reducers

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SELECTION

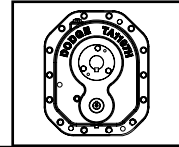


TORQUE-ARM II Shaft Mount Speed Reducers

CLASS II SELECTIONS (cont) * (SF = 1.4)

| Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method |
|---|------------|-------------------|-----------------------|----------------|--------------|------------|-------------------|-----------------------|----------------|--------------|------------|-------------------|-----------------------|----------------|
| 40 (cont) | 18-24 | TA9415H40 | 8.0 | --- | 50 (cont) | 16-21 | TA10507H40 | 8.5 | --- | 60 (cont) | 15-18 | TA12608H40 | 17.1 | --- |
| | | TA9415H25 | 8.0 | --- | | | TA10507H25 | 8.5 | --- | | | TA12608H25 | 9.5 | --- |
| | | TA9415H15 | 10.7 | --- | | | TA10507H15 | 10.8 | --- | | | TA12608H15 | 14.3 | --- |
| | 25-36 | TA8407H40 | 6.2 | --- | | 22-31 | TA9415H40 | 8.0 | --- | | 19-26 | TA10507H40 | 8.5 | --- |
| | | TA8407H25 | 6.2 | --- | | | TA9415H25 | 8.0 | --- | | | TA10507H25 | 8.5 | --- |
| | | TA8407H15 | 6.2 | --- | | | TA9415H15 | 10.8 | --- | | | TA10507H15 | 10.8 | --- |
| | 37-50 | TA7315H40 | 6.2 | --- | | 32-43 | TA8407H40 | 6.2 | --- | | 27-38 | TA9415H40 | 8.0 | Fan |
| | | TA7315H25 | 6.2 | --- | | | TA8407H25 | 6.2 | --- | | | TA9415H25 | 8.0 | --- |
| | | TA7315H15 | 6.2 | --- | | | TA8407H15 | 6.2 | --- | | | TA9415H15 | 10.8 | --- |
| | 51-56 | TA7315H25 | 6.2 | --- | | 44-46 | TA8407H40 | 6.2 | Fan | | 39-50 | TA8407H40 | 6.2 | Fan |
| | | TA7315H15 | 6.2 | --- | | | TA8407H25 | 6.2 | --- | | | TA8407H25 | 6.2 | --- |
| | 57-78 | TA6307H25 | 6.2 | --- | | 47-50 | TA7315H40 | 6.2 | --- | | 51-56 | TA8407H25 | 6.2 | --- |
| | | TA6307H15 | 6.2 | --- | | | TA7315H25 | 6.2 | --- | | | TA8407H15 | 6.2 | --- |
| | 79-80 | TA5215H25 | 5.2 | --- | | 51-71 | TA7315H15 | 6.2 | --- | | 57-80 | TA7315H25 | 6.2 | --- |
| | | TA5215H15 | 6.0 | --- | | | TA7315H15 | 6.2 | --- | | | TA7315H15 | 6.2 | --- |
| | 81-85 | TA5215H15 | 6.0 | --- | | 72-80 | TA6307H25 | 6.2 | --- | | 81-89 | TA7315H15 | 6.2 | --- |
| | | TA6307H09 | 9.8 | --- | | | TA6307H15 | 6.2 | --- | | | TA7315H09 | 8.1 | --- |
| | 86-89 | TA5215H15 | 5.8 | --- | | 81-89 | TA6307H09 | 9.9 | --- | | 90-120 | TA6307H15 | 6.7 | --- |
| TA5215H09 | | 9.0 | --- | TA6307H15 | 6.2 | | --- | TA6307H09 | 10.8 | --- | | | | |
| 90-112 | TA5215H15 | 5.7 | --- | 90-91 | TA6307H15 | 6.3 | --- | 121 | TA6307H09 | 10.8 | --- | | | |
| | TA5215H09 | 8.9 | --- | | TA6307H09 | 10.0 | --- | | TA7315H05 | 12.8 | --- | | | |
| 113-120 | TA5215H15 | 5.1 | --- | 92-114 | TA6307H15 | 6.3 | --- | 122-195 | TA6307H09 | 10.9 | --- | | | |
| | TA5215H09 | 8.4 | --- | | TA6307H09 | 10.6 | --- | | TA6307H05 | 14.5 | --- | | | |
| 121-173 | TA5215H05 | 12.3 | --- | 115-116 | TA6307H05 | 15.1 | --- | 196-199 | TA6307H09 | 10.1 | Fan | | | |
| | TA5215H09 | 8.3 | --- | | TA6307H15 | 6.7 | --- | | TA6307H05 | 13.9 | --- | | | |
| 174-200 | TA4207H09 | 8.2 | --- | 117-120 | TA5215H15 | 5.1 | --- | 200 | TA5215H09 | 5.8 | --- | | | |
| | TA5215H05 | 10.4 | --- | | TA5215H09 | 8.4 | --- | | TA6307H05 | 13.8 | --- | | | |
| 201-299 | TA5215H05 | 9.9 | --- | 121-177 | TA5215H09 | 8.3 | --- | 201-282 | TA6307H05 | 13.8 | --- | | | |
| | TA4207H05 | 8.8 | --- | | TA6307H05 | 14.5 | --- | | 283-400 | TA5215H05 | 8.4 | --- | | |
| 50 | 5-8 | TDT1530 † | 15.0 | --- | 178-200 | TA5215H09 | 6.3 | --- | 75 | 7-12 | TDT1530 † | 15.0 | --- | |
| | 9-12 | TDT1425 † | 15.0 | --- | | TA5215H05 | 10.4 | --- | | 13-18 | TDT1425 † | 15.0 | --- | |
| 13-15 | TA12608H40 | 17.1 | --- | 201-400 | TA5215H05 | 9.9 | --- | 19-23 | TA12608H40 | 17.1 | --- | | | |
| | TA12608H25 | 9.5 | --- | | 5-9 | TDT1530 † | 15.0 | | --- | TA12608H25 | 9.5 | --- | | |
| 300-400 | TA4207H05 | 8.8 | --- | 60 | 10-14 | TDT1425 † | 15.0 | --- | TA12608H15 | 14.6 | --- | | | |
| | | | | | | | | | TA10507H40 | 8.5 | --- | | | |
| * See Page 136 for lubrication for 15 RPM and slower † See DODGE Gear Engineering Catalog DMR-1205-2 for information on TDT1425 and TDT1530 Reducers | | | | | | | | | | 24 | TA12608H25 | 9.5 | --- | |
| | | | | | | | | | | | | TA12608H15 | 14.7 | --- |
| | | | | | | | | | | 25-33 | TA10507H25 | 8.5 | --- | |
| | | | | | | | | | | | TA10507H15 | 10.7 | --- | |

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|------------------------|--------------------------|---------------------------------|-----------------------------------|



SELECTION

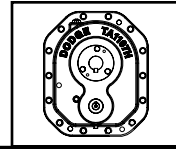
TORQUE-ARM II Shaft Mount Speed Reducers

CLASS II SELECTIONS (cont) * (SF = 1.4)

| Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method |
|------------------|------------|-------------------|-----------------------|----------------|-------------------|------------|-------------------|-----------------------|----------------|-------------------|------------|-------------------|-----------------------|----------------|
| 75 (cont) | 34-48 | TA9415H40 | 8.0 | Fan | 100 (cont) | 34-45 | TA10507H40 | 8.5 | Fan | 150 (cont) | 37-50 | TA12608H40 | 17.1 | P&C |
| | | TA9415H25 | 8.0 | Fan | | | TA10507H25 | 8.5 | --- | | | TA12608H25 | 9.5 | Fan |
| | | TA9415H15 | 10.8 | --- | | | TA10507H15 | 11.1 | --- | | | TA12608H15 | 15.7 | Fan |
| | 49 | TA8407H40 | 6.2 | Fan | | 46-50 | TA9415H40 | 8.0 | Fan | | 51-54 | TA12608H25 | 9.6 | Fan |
| | | TA8407H25 | 6.2 | Fan | | | TA9415H25 | 8.0 | Fan | | | TA12608H15 | 15.8 | Fan |
| | 50 | TA8407H40 | 6.2 | Fan | | 51-67 | TA9415H15 | 10.8 | Fan | | 55-71 | TA10507H25 | 9.0 | Fan |
| | | TA8407H25 | 6.2 | Fan | | | TA9415H25 | 8.0 | Fan | | | TA10507H15 | 12.7 | Fan |
| | | TA8407H15 | 6.2 | --- | | | TA9415H15 | 10.8 | Fan | | | TA9415H25 | 8.0 | P&C |
| | 51-72 | TA8407H25 | 6.2 | Fan | | 68-80 | TA8407H25 | 6.2 | Fan | | 72 | TA10507H15 | 12.8 | Fan |
| | | TA8407H15 | 7.2 | --- | | | TA8407H15 | 7.5 | Fan | | | TA10507H15 | 12.8 | Fan |
| | 73-80 | TA7315H25 | 6.2 | Fan | | 81-102 | TA8407H15 | 8.3 | Fan | | 73-80 | TA9415H25 | 8.0 | P&C |
| | | TA7315H15 | 6.2 | --- | | | 103 | TA7315H15 | 6.2 | | | Fan | TA9415H15 | 10.6 |
| | 81-111 | TA7315H15 | 6.2 | --- | | 104-120 | TA7315H15 | 6.2 | Fan | | 81-105 | TA9415H15 | 10.5 | Fan |
| | | TA7315H09 | 8.5 | --- | | | 121-180 | TA7315H09 | 8.6 | | | Fan | 106-120 | TA8407H15 |
| | 112-117 | TA7315H15 | 6.2 | --- | | 181-190 | TA6307H09 | 10.4 | Fan | | 189-200 | TA7315H09 | 8.2 | Fan |
| | | TA7315H09 | 8.5 | --- | | | 191-200 | TA6307H09 | 10.2 | | | Fan | 368-400 | TA7315H05 |
| | 118-120 | TA6307H15 | 6.7 | Fan | | 201-274 | TA7315H05 | 11.7 | --- | | 18-33 | TDT1530 † | 15.0 | --- |
| | | TA6307H09 | 10.8 | Fan | | | 275-400 | TA6307H05 | 12.0 | | | --- | 34-49 | TDT1425 † |
| 121-169 | TA6307H09 | 10.9 | Fan | 11-20 | TDT1530 † | 15.0 | --- | 50 | TA12608H40 | 17.1 | P&C | | | |
| | TA7315H05 | 12.8 | --- | | 21-30 | TDT1425 † | 15.0 | | --- | TA12608H25 | 9.5 | P&C | | |
| 170-200 | TA6307H09 | 10.7 | Fan | 31-41 | TA12608H40 | 17.1 | Fan | TA12608H15 | 15.7 | Fan | | | | |
| | TA6307H05 | 14.0 | --- | | TA12608H25 | 9.5 | --- | TA12608H15 | 15.7 | Fan | | | | |
| 201-400 | TA6307H05 | 13.8 | --- | 42-43 | TA12608H15 | 15.4 | --- | 51-76 | TA10507H25 | 9.4 | P&C | | | |
| | | | | | TA10507H40 | 8.5 | Fan | | TA10507H15 | 13.4 | Fan | | | |
| 100 | 8-16 | TDT1530 † | 15.0 | --- | 125 | 44-50 | TA10507H25 | 8.5 | Fan | 200 | 51-76 | TA12608H25 | 10.7 | P&C |
| | 17-24 | TDT1425 † | 15.0 | --- | | | TA10507H15 | 11.3 | Fan | | | TA12608H15 | 16.1 | Fan |
| | 25-32 | TA12608H40 | 17.1 | --- | | 51-58 | TA10507H25 | 8.5 | Fan | | 77-80 | TA10507H25 | 9.4 | P&C |
| | | TA12608H25 | 9.5 | --- | | | TA10507H15 | 11.8 | Fan | | | TA10507H15 | 13.4 | Fan |
| | | TA12608H15 | 15.1 | --- | | | 59-80 | TA9415H25 | 8.0 | | | Fan | 81-105 | TA10507H15 |
| | 33 | TA10507H40 | 8.5 | Fan | | 81-85 | TA9415H15 | 10.5 | Fan | | 106-120 | TA9415H15 | 10.2 | P&C |
| | | TA12608H25 | 9.5 | --- | | | 86-120 | TA8407H15 | 8.7 | | | Fan | 23-42 | TDT1530 † |
| | TA12608H15 | 15.1 | --- | 141-200 | | TA7315H09 | 8.6 | Fan | 43-61 | | TDT1425 † | 15.0 | P&C | |
| | | | | | | 272-400 | TA7315H05 | 10.9 | | | --- | 62-80 | TA12608H25 | 10.7 |
| | | | | 150 | | 13-25 | TDT1530 † | 15.0 | --- | | 81-103 | TA12608H15 | 16.1 | P&C |
| | | | 26-36 | | TDT1425 † | 15.0 | --- | 104-120 | TA10507H15 | 13.5 | | P&C | | |

* See Page 136 for lubrication for 15 RPM and slower
 † See DODGE Gear Engineering Catalog DMR-1205-2 for information on TDT1425 and TDT1530 Reducers
 P&C (Pump & Coolers - Use the DODGE Speed Reducer Auxiliary cooling package, part number 014148

| | | | |
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SELECTION

TORQUE-ARM II Shaft Mount Speed Reducers

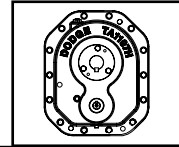
CLASS II SELECTIONS (cont) * (SF = 1.4)

| Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method |
|----------|------------|-------------------|-----------------------|----------------|
| 400 | 38-57 | TDT1530 † | 15.0 | Fan |
| | 114-120 | TA12608H15 | 15.1 | P&C |
| 450 | 43-57 | TDT1530 † | 15.0 | Fan |
| 500 | 50-57 | TDT1530 † | 15.0 | Fan |

* See Page 136 for lubrication for 15 RPM and slower
 † See DODGE Gear Engineering Catalog DMR-1205-2 for information on TDT1425 and TDT1530 Reducers

P&C (Pump & Coolers) - Use the DODGE Speed Reducer Auxiliary cooling package, part number 014148

| | | | |
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SELECTION

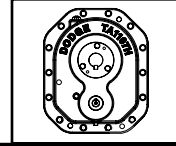
TORQUE-ARM II Shaft Mount Speed Reducers

CLASS III SELECTIONS * (SF = 2.0)

| Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method |
|--|------------|-------------------|-----------------------|----------------|-----------|------------|-------------------|-----------------------|----------------|------------|------------|-------------------|-----------------------|----------------|
| 1/4 | 4 | TA2115H33 | 3.7 | --- | 1/2 | 4-5 | TA3203H32 | 4.6 | --- | 3/4 (cont) | 90-120 | TA0107L15 | 4.0 | --- |
| | | TA2115H25 | 3.3 | --- | | | TA3203H25 | 4.6 | --- | | | TA0107L09 | 5.2 | --- |
| | | TA2115H15 | 3.3 | --- | | | TA3203H15 | 4.6 | --- | | | TA0107L05 | 9.2 | --- |
| | 5-7 | TA1107H31 | 5.0 | --- | | 6-8 | TA2115H33 | 3.7 | --- | | 121-200 | TA0107L09 | 5.0 | --- |
| | | TA1107H25 | 6.4 | --- | | | TA2115H25 | 3.3 | --- | | | TA0107L05 | 8.3 | --- |
| | | TA1107H15 | 5.5 | --- | | | TA2115H15 | 3.3 | --- | | | 201-400 | TA0107L05 | 6.9 |
| | 8-50 | TA0107L31 | 4.0 | --- | | 9-15 | TA1107H31 | 5.0 | --- | 4 | TA5215H40 | 6.8 | --- | |
| | | TA0107L25 | 4.0 | --- | | | TA1107H25 | 6.4 | --- | | TA5215H25 | 6.1 | --- | |
| | | TA0107L15 | 4.0 | --- | | | TA1107H15 | 5.5 | --- | | TA5215H15 | 7.1 | --- | |
| | 51-80 | TA0107L25 | 4.0 | --- | | 16-50 | TA0107L31 | 4.0 | --- | 5-6 | TA4207H40 | 5.0 | --- | |
| | | TA0107L15 | 4.0 | --- | | | TA0107L25 | 4.0 | --- | | TA4207H25 | 5.5 | --- | |
| | 81-89 | TA0107L15 | 4.0 | --- | | 51-80 | TA0107L15 | 4.0 | --- | 7-10 | TA3203H32 | 4.6 | --- | |
| TA0107L09 | | 5.3 | --- | TA0107L15 | 4.0 | | --- | TA3203H25 | 4.6 | | --- | | | |
| 90-120 | TA0107L15 | 4.0 | --- | 81-89 | TA0107L09 | 5.3 | --- | 11-16 | TA2115H33 | 3.7 | --- | | | |
| | TA0107L09 | 5.2 | --- | | TA0107L09 | 5.3 | --- | | TA2115H25 | 3.3 | --- | | | |
| 121-200 | TA0107L05 | 9.2 | --- | 90-120 | TA0107L15 | 4.0 | --- | TA2115H15 | 3.3 | --- | | | | |
| | TA0107L05 | 9.2 | --- | | TA0107L05 | 9.2 | --- | | TA1107H31 | 4.8 | --- | | | |
| 201-400 | TA0107L05 | 6.9 | --- | 121-200 | TA0107L09 | 5.0 | --- | 17 | TA2115H25 | 3.3 | --- | | | |
| | TA0107L05 | 6.9 | --- | | TA0107L05 | 8.3 | --- | | TA1107H15 | 5.4 | --- | | | |
| 1/3 | 4-5 | TA2115H33 | 3.7 | --- | 201-400 | TA0107L05 | 6.9 | --- | 1 | 18-32 | TA1107H31 | 4.8 | --- | |
| | | TA2115H25 | 3.3 | --- | | 4-5 | TA4207H40 | 5.0 | | | --- | TA1107H25 | 5.9 | --- |
| | | TA2115H15 | 3.3 | --- | | | TA4207H25 | 5.5 | | | --- | TA1107H15 | 5.3 | --- |
| | 6-9 | TA1107H31 | 5.0 | --- | TA4207H15 | | 8.1 | --- | | 33-50 | TA0107L31 | 4.0 | --- | |
| | | TA1107H25 | 6.4 | --- | 6-7 | TA3203H32 | 4.6 | --- | | | TA0107L25 | 4.0 | --- | |
| | | TA1107H15 | 5.5 | --- | | TA3203H25 | 4.6 | --- | | | TA0107L15 | 4.0 | --- | |
| | 10-50 | TA0107L31 | 4.0 | --- | | 8-12 | TA3203H15 | 4.6 | | --- | 51-80 | TA0107L25 | 4.0 | --- |
| | | TA0107L25 | 4.0 | --- | TA2115H33 | | 3.7 | --- | | TA0107L15 | | 4.0 | --- | |
| | | TA0107L15 | 4.0 | --- | TA2115H25 | | 3.3 | --- | | 81-89 | | TA0107L15 | 4.0 | --- |
| | 51-80 | TA0107L25 | 4.0 | --- | 13-23 | TA2115H15 | 3.3 | --- | | | TA0107L09 | 5.3 | --- | |
| | | TA0107L15 | 4.0 | --- | | TA1107H31 | 4.9 | --- | | | 90-120 | TA0107L15 | 4.0 | --- |
| | 81-89 | TA0107L15 | 4.0 | --- | 24-50 | TA1107H25 | 6.2 | --- | | TA0107L09 | | 5.2 | --- | |
| TA0107L09 | | 5.3 | --- | TA1107H15 | | 5.5 | --- | TA0107L05 | 9.2 | --- | | | | |
| 90-120 | TA0107L15 | 4.0 | --- | 51-80 | TA0107L31 | 4.0 | --- | 121-200 | TA0107L09 | 5.0 | --- | | | |
| | TA0107L09 | 5.2 | --- | | TA0107L25 | 4.0 | --- | | TA0107L05 | 8.3 | --- | | | |
| 121-200 | TA0107L05 | 9.2 | --- | 81-89 | TA0107L15 | 4.0 | --- | 201-400 | TA0107L05 | 6.9 | --- | | | |
| | TA0107L05 | 9.2 | --- | | TA0107L15 | 4.0 | --- | | TA5215H40 | 6.8 | --- | | | |
| 201-400 | TA0107L05 | 6.9 | --- | 81-89 | TA0107L09 | 5.3 | --- | TA5215H25 | 6.1 | --- | | | | |
| | TA0107L05 | 6.9 | --- | | TA0107L09 | 5.3 | --- | TA5215H15 | 7.1 | --- | | | | |
| * See Page 136 for lubrication for 15 RPM and slower | | | | | | | | | | 1-1/2 | 4-6 | | | |

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SELECTION

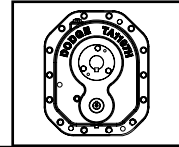


TORQUE-ARM II Shaft Mount Speed Reducers

CLASS III SELECTIONS (cont) * (SF = 2.0)

| Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | | | |
|--|------------|-------------------|-----------------------|----------------|-----------|------------|-------------------|-----------------------|----------------|-----------|------------|-------------------|-----------------------|----------------|-----------|------|-----|
| 1-1/2 (cont) | 7-10 | TA4207H40 | 5.0 | --- | 2 (cont) | 51-69 | TA1107H25 | 5.4 | --- | 3 (cont) | 110-113 | TA1107H15 | 4.5 | --- | | | |
| | | TA4207H25 | 5.5 | --- | | | TA1107H15 | 4.9 | --- | | | TA0107L09 | 5.1 | --- | | | |
| | | TA4207H15 | 8.1 | --- | | | TA0107L05 | 11.6 | --- | | | | | | | | |
| | 11-15 | TA3203H32 | 4.6 | --- | | 70-80 | TA0107L25 | 4.0 | --- | | 114 | TA0107L15 | 4.0 | --- | | | |
| | | TA3203H25 | 4.6 | --- | | | TA0107L15 | 4.0 | --- | | | TA0107L09 | 5.1 | --- | | | |
| | | TA3203H15 | 4.6 | --- | | | TA0107L09 | 5.3 | --- | | | TA1107H05 | 11.4 | --- | | | |
| | 16-26 | TA2115H33 | 3.7 | --- | | 90-120 | TA0107L15 | 4.0 | --- | | 115-120 | TA0107L15 | 4.0 | --- | | | |
| | | TA2115H25 | 3.3 | --- | | | TA0107L09 | 5.2 | --- | | | TA0107L09 | 5.1 | --- | | | |
| | | TA2115H15 | 3.2 | --- | | | TA0107L05 | 9.2 | --- | | | TA0107L05 | 8.4 | --- | | | |
| | 27-50 | TA1107H31 | 4.6 | --- | | 121-200 | TA0107L09 | 5.0 | --- | | 121-200 | TA0107L09 | 5.0 | --- | | | |
| | | TA1107H25 | 5.7 | --- | | | TA0107L05 | 8.3 | --- | | | TA0107L05 | 8.3 | --- | | | |
| | | TA1107H15 | 5.2 | --- | | | 201-400 | TA0107L05 | 6.9 | | | --- | 201-400 | TA0107L05 | 6.9 | --- | |
| | 2 | 51-80 | TA0107L25 | 4.0 | | --- | 3 | 4-5 | TA7315H40 | | 6.2 | --- | 5 | 4 | TA9415H40 | 8.0 | --- |
| | | | TA0107L15 | 4.0 | | --- | | | TA7315H25 | | 6.2 | --- | | | TA9415H25 | 8.0 | --- |
| | | 81-89 | TA0107L15 | 4.0 | | --- | | | TA7315H15 | | 6.2 | --- | | | TA9415H15 | 10.2 | --- |
| | | | TA0107L09 | 5.3 | | --- | | 6-7 | TA6307H40 | | 6.3 | --- | | 5 | TA8407H40 | 6.2 | --- |
| | | 90-120 | TA0107L15 | 4.0 | | --- | | | TA6307H25 | | 6.3 | --- | | | TA8407H25 | 6.2 | --- |
| | | | TA0107L09 | 5.2 | | --- | | | TA6307H15 | | 6.4 | --- | | | TA8407H15 | 6.2 | --- |
| 121-200 | | TA0107L05 | 9.2 | --- | 8-12 | TA5215H40 | | 6.8 | --- | 6-8 | TA7315H40 | 6.2 | | --- | | | |
| | | TA0107L09 | 5.0 | --- | | TA5215H25 | | 6.1 | --- | | TA7315H25 | 6.2 | | --- | | | |
| | | TA0107L05 | 8.3 | --- | | TA5215H15 | | 7.1 | --- | | TA7315H15 | 6.2 | | --- | | | |
| 2 | 4-5 | TA0107L05 | 6.9 | --- | 3 | 13-20 | TA4207H40 | 4.9 | --- | 5 | 9-12 | TA6307H40 | 6.3 | --- | | | |
| | | TA6307H40 | 6.3 | --- | | | TA4207H25 | 5.5 | --- | | | TA6307H25 | 6.3 | --- | | | |
| | | TA6307H15 | 6.4 | --- | | | TA4207H15 | 8.0 | --- | | | TA6307H15 | 6.4 | --- | | | |
| | 6-8 | TA5215H40 | 6.8 | --- | | 21-30 | TA3203H32 | 4.3 | --- | | 13-20 | TA5215H40 | 6.7 | --- | | | |
| | | TA5215H25 | 6.1 | --- | | | TA3203H25 | 4.4 | --- | | | TA5215H25 | 6.0 | --- | | | |
| | | TA5215H15 | 7.1 | --- | | | TA3203H15 | 4.4 | --- | | | TA5215H15 | 7.0 | --- | | | |
| | 9-13 | TA4207H40 | 5.0 | --- | | 31 | TA3203H32 | 4.1 | --- | | 21-33 | TA4207H40 | 4.7 | --- | | | |
| | | TA4207H25 | 5.5 | --- | | | TA2115H25 | 3.1 | --- | | | TA4207H25 | 5.2 | --- | | | |
| | | TA4207H15 | 8.1 | --- | | | TA2115H15 | 3.1 | --- | | | TA4207H15 | 7.7 | --- | | | |
| | 14-20 | TA3203H32 | 4.5 | --- | | 32-50 | TA2115H33 | 3.5 | --- | | 34-50 | TA3203H32 | 4.1 | --- | | | |
| | | TA3203H25 | 4.5 | --- | | | TA2115H25 | 3.1 | --- | | | TA3203H25 | 4.3 | --- | | | |
| | | TA3203H15 | 4.6 | --- | | | TA2115H15 | 3.2 | --- | | | TA3203H15 | 4.3 | --- | | | |
| | 21-36 | TA2115H33 | 3.6 | --- | | 51-56 | TA2115H25 | 3.1 | --- | | 51-55 | TA3203H25 | 4.2 | --- | | | |
| | | TA2115H25 | 3.3 | --- | | | TA2115H15 | 3.3 | --- | | | TA3203H15 | 4.2 | --- | | | |
| | 37-50 | TA2115H15 | 3.2 | --- | | 57-80 | TA1107H25 | 5.3 | --- | | 56-80 | TA2115H25 | 3.1 | --- | | | |
| TA1107H31 | | 4.5 | --- | TA1107H15 | 4.8 | | --- | TA2115H15 | 3.6 | --- | | | | | | | |
| TA1107H25 | | 5.6 | --- | 81-89 | TA1107H15 | | 4.6 | --- | 81-89 | TA2115H15 | | 3.7 | --- | | | | |
| TA1107H15 | 5.0 | --- | TA1107H09 | | 7.7 | --- | TA2115H09 | 6.1 | | --- | | | | | | | |
| * See Page 136 for lubrication for 15 RPM and slower | | | | | 90-109 | TA1107H15 | 4.6 | --- | 90-100 | TA2115H15 | 3.7 | --- | | | | | |
| | | | | | | TA1107H09 | 7.5 | --- | | TA2115H09 | 6.2 | --- | | | | | |
| | | | | | | TA1107H05 | 12.5 | --- | | | | | | | | | |

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SELECTION

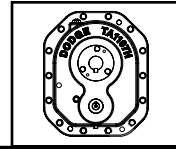
TORQUE-ARM II Shaft Mount Speed Reducers

CLASS III SELECTIONS (cont) * (SF = 2.0)

| Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | | |
|--|------------|-------------------|-----------------------|----------------|-----------------|------------|-------------------|-----------------------|----------------|--------------|------------|-------------------|-----------------------|----------------|-----|-----|
| 5 (cont) | 101 | TA1107H15 | 4.5 | --- | 7-1/2 (cont) | 54-80 | TA3203H25 | 4.1 | --- | 10 (cont) | 51-75 | TA4207H25 | 4.7 | --- | | |
| | | TA2115H09 | 6.2 | --- | | | TA3203H15 | 4.2 | --- | | | TA4207H15 | 6.8 | --- | | |
| | | TA2115H05 | 6.5 | --- | | | TA3203H15 | 4.0 | --- | | | TA3203H25 | 4.0 | --- | | |
| | 102-118 | TA1107H15 | 4.5 | --- | | 81-89 | TA3203H09 | 5.2 | --- | | 76-80 | TA3203H15 | 4.1 | --- | | |
| | | TA1107H09 | 7.4 | --- | | | TA3203H15 | 4.0 | --- | | | TA3203H25 | 4.0 | --- | | |
| | 119-120 | TA2115H05 | 6.6 | --- | | 90-92 | TA3203H05 | 11.0 | --- | | 81-89 | TA3203H15 | 4.0 | --- | | |
| | | TA1107H15 | 4.4 | --- | | | TA3203H09 | 5.3 | --- | | | TA3203H09 | 5.2 | --- | | |
| | 121-200 | TA1107H09 | 7.1 | --- | | 93-120 | TA2115H15 | 3.7 | --- | | 90-105 | TA3203H15 | 4.0 | --- | | |
| | | TA1107H05 | 11.2 | --- | | | TA2115H09 | 6.2 | --- | | | TA3203H09 | 5.4 | --- | | |
| | 201-276 | TA1107H09 | 7.1 | --- | | 121-143 | TA3203H05 | 10.4 | --- | | 106-120 | TA4207H05 | 9.9 | --- | | |
| TA1107H05 | | 11.2 | --- | TA2115H09 | 6.1 | | --- | TA3203H15 | 4.0 | --- | | | | | | |
| 277-400 | TA1107H05 | 9.1 | --- | 144-181 | TA3203H05 | 7.7 | --- | 121-141 | TA3203H05 | 5.6 | --- | | | | | |
| | TA0107L05 | 5.8 | --- | | TA2115H09 | 6.3 | --- | | TA3203H05 | 8.6 | --- | | | | | |
| 7-1/2 | 4 | TA10507H40 | 8.5 | --- | 182-200 | TA2115H05 | 6.4 | --- | 142-200 | TA3203H09 | 5.7 | --- | | | | |
| | | TA10507H25 | 8.5 | --- | | TA1107H09 | 6.2 | --- | | TA3203H05 | 7.7 | --- | | | | |
| | | TA10507H15 | 10.8 | --- | | TA2115H05 | 6.2 | --- | | TA2115H09 | 6.5 | --- | | | | |
| | 5-6 | TA9415H40 | 8.0 | --- | 201-237 | TA2115H05 | 6.0 | --- | 201-238 | TA3203H05 | 7.0 | --- | | | | |
| | | TA9415H25 | 8.0 | --- | | TA1107H05 | 8.4 | --- | | TA2115H05 | 5.7 | --- | | | | |
| | 7-8 | TA9415H15 | 10.2 | --- | 238-400 | TA12608H40 | 17.2 | --- | 4-5 | TDT1425 † | 15.0 | --- | | | | |
| | | TA8407H40 | 6.2 | --- | | TA12608H25 | 9.5 | --- | | 6 | TA12608H40 | 17.2 | --- | | | |
| | | TA8407H25 | 6.2 | --- | | TA12608H15 | 13.7 | --- | | | TA12608H25 | 9.5 | --- | | | |
| | 9-13 | TA8407H15 | 6.2 | --- | 4 | TA10507H40 | 8.5 | --- | 7-9 | TA12608H15 | 13.7 | --- | | | | |
| | | TA7315H40 | 6.2 | --- | | TA10507H25 | 8.5 | --- | | TA10507H40 | 8.5 | --- | | | | |
| | 14-18 | TA7315H25 | 6.2 | --- | 5-6 | TA10507H15 | 10.8 | --- | 10-12 | TA10507H25 | 8.5 | --- | | | | |
| | | TA7315H15 | 6.2 | --- | | TA9415H40 | 8.0 | --- | | TA10507H15 | 10.8 | --- | | | | |
| | 19-32 | TA6307H40 | 6.3 | --- | 7-8 | TA9415H25 | 8.0 | --- | 13-18 | TA9415H40 | 8.0 | --- | | | | |
| | | TA6307H25 | 6.3 | --- | | TA9415H15 | 10.2 | --- | | TA9415H25 | 8.0 | --- | | | | |
| | 33-50 | TA6307H15 | 6.3 | --- | 9-11 | TA8407H40 | 6.2 | --- | 19-28 | TA9415H15 | 10.3 | --- | | | | |
| TA5215H40 | | 6.5 | --- | TA8407H25 | | 6.2 | --- | TA8407H40 | | 6.2 | --- | | | | | |
| 51-53 | TA5215H25 | 5.9 | --- | 12-18 | TA8407H15 | 6.2 | --- | 29-39 | TA8407H25 | 6.2 | --- | | | | | |
| | TA5215H15 | 6.8 | --- | | TA7315H40 | 6.2 | --- | | TA8407H15 | 6.2 | --- | | | | | |
| * See Page 136 for lubrication for 15 RPM and slower † See DODGE Gear Engineering Catalog DMR-1205-2 for information on TDT1425 and TDT1530 Reducer | | | | | 19-25 | TA7315H25 | 6.2 | --- | 15 | 19-28 | TA7315H40 | 6.2 | --- | | | |
| | | | | | | TA7315H15 | 6.2 | --- | | | TA7315H25 | 6.2 | --- | | | |
| | | | | | 26-45 | TA6307H40 | 6.3 | --- | 19-25 | TA6307H40 | 6.3 | --- | 29-39 | TA7315H15 | 6.2 | --- |
| | | | | | | TA6307H25 | 6.3 | --- | | TA6307H25 | 6.3 | --- | | TA6307H40 | 6.3 | --- |
| | | | | | 46-50 | TA6307H15 | 6.3 | --- | 26-45 | TA5215H40 | 6.4 | --- | 40-50 | TA6307H15 | 6.3 | --- |
| | | | | | | TA5215H25 | 5.7 | --- | | TA5215H25 | 5.7 | --- | | TA5215H40 | 6.2 | --- |
| | | | | | 46-50 | TA5215H15 | 6.7 | --- | 46-50 | TA4207H40 | 4.3 | --- | 51-72 | TA5215H25 | 5.5 | --- |
| | | | | | | TA4207H25 | 4.7 | --- | | TA4207H25 | 4.7 | --- | | TA5215H15 | 6.4 | --- |
| | | | | | | | | | | TA4207H15 | 7.0 | --- | | TA5215H25 | 5.4 | --- |
| | | | | | | | | | | | | | | TA5215H15 | 6.3 | --- |

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SELECTION

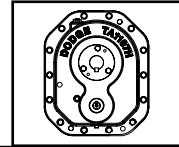


TORQUE-ARM II Shaft Mount Speed Reducers

CLASS III SELECTIONS (cont) * (SF = 2.0)

| Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | |
|--|------------|--|-----------------------|----------------|-----------|--|-------------------------------------|------------------------|----------------|--|---------------------|-------------------------------------|-----------------------|----------------|-----|
| 15 (cont) | 73-80 | TA4207H25 TA4207H15 | 4.4 6.5 | --- | 20 (cont) | 39-50 | TA6307H40 TA6307H25 TA6307H15 | 6.2 6.2 6.2 | --- | 25 (cont) | 50 | TA6307H40 TA6307H25 TA6307H15 | 6.2 6.2 6.2 | --- | |
| | 81-89 | TA4207H15 TA4207H09 | 6.4 10.1 | --- | | 51-54 | TA6307H25 TA6307H15 | 6.2 6.2 | --- | | 51-69 | TA6307H25 TA6307H15 | 6.2 6.2 | --- | |
| | 90-120 | TA4207H15 TA4207H09 TA5215H05 | 6.3 9.9 13.9 | --- | | 55-80 | TA5215H25 TA5215H15 | 5.4 6.3 | --- | | 70-80 | TA5215H25 TA5215H15 | 5.3 6.1 | --- | |
| | 121-125 | TA4207H09 TA5215H05 | 9.3 11.8 | --- | | 81-89 | TA5215H15 TA5215H09 | 6.0 9.1 | --- | | 81-89 | TA5215H15 TA5215H09 | 6.0 9.1 | --- | |
| | 126-132 | TA3203H09 TA5215H05 | 5.7 11.6 | --- | | 90-102 | TA5215H15 TA5215H09 TA5215H05 | 5.7 8.9 13.9 | --- | | 90-93 | TA5215H15 TA5215H09 TA6307H05 | 5.7 8.9 15.1 | --- | |
| | 133-200 | TA3203H09 TA4207H05 | 5.7 9.2 | --- | | 103-107 | TA4207H15 TA5215H09 TA5215H05 | 6.1 8.6 12.9 | --- | | 94-120 | TA5215H15 TA5215H09 TA5215H05 | 5.6 8.8 13.6 | --- | |
| | 201-215 | TA4207H05 | 9.3 | --- | | 108-120 | TA4207H15 TA4207H09 TA5215H05 | 6.0 9.5 12.6 | --- | | 121-144 | TA5215H09 TA5215H05 | 8.3 11.8 | --- | |
| | 216-400 | TA3203H05 | 7.0 | --- | | 121-182 | TA4207H09 TA5215H05 | 9.3 11.8 | --- | | 145-200 | TA4207H09 TA5215H05 | 8.9 11.2 | --- | |
| | 20 | 4 | TDT1530 † | 15.0 | | --- | 183-200 | TA4207H09 TA4207H05 | 8.1 9.2 | | --- | 201-242 | TA5215H05 | 9.9 | --- |
| | | 5-6 | TDT1425 † | 15.0 | | --- | 201-324 | TA4207H05 | 9.8 | | --- | 243-400 | TA4207H05 | 9.7 | --- |
| 7 | | TA12608H40 TDT1425 † | 17.2 15.0 | --- | 325-400 | TA3203H05 | 7.0 | --- | 4-6 | TDT1530 † | 15.0 | --- | | | |
| 8 | | TA12608H40 TA12608H25 TA12608H15 | 17.2 9.5 13.7 | --- | 4-5 | TDT1530 † | 15.0 | --- | 7-10 | TDT1425 † | 15.0 | --- | | | |
| 9-12 | | TA10507H40 TA10507H25 TA10507H15 | 8.5 8.5 10.8 | --- | 6-8 | TDT1425 † | 15.0 | --- | 11-13 | TA12608H40 TA12608H25 TA12608H15 | 17.2 9.5 13.9 | --- | | | |
| 13-17 | | TA9415H40 TA9415H25 TA9415H15 | 8.0 8.0 10.5 | --- | 9-10 | TA12608H40 TA12608H25 TA12608H15 | 17.2 9.5 13.7 | --- | 14-18 | TA10507H40 TA10507H25 TA10507H15 | 8.5 8.5 10.8 | --- | | | |
| 18-25 | | TA8407H40 TA8407H25 TA8407H15 | 6.2 6.2 6.2 | --- | 11-15 | TA10507H40 TA10507H25 TA10507H15 | 8.5 8.5 10.8 | --- | 19-26 | TA9415H40 TA9415H25 TA9415H15 | 8.0 8.0 10.8 | --- | | | |
| 26-38 | | TA7315H40 TA7315H25 TA7315H15 | 6.2 6.2 6.2 | --- | 16-21 | TA9415H40 TA9415H25 TA9415H15 | 8.0 8.0 10.7 | --- | 27-39 | TA8407H40 TA8407H25 TA8407H15 | 6.2 6.2 6.2 | --- | | | |
| * See Page 136 for lubrication for 15 RPM and slower † See DODGE Gear Engineering Catalog DMR-1205-2 for information on TDT1425 and TDT1530 Reducer | | | | | 22-32 | TA8407H40 TA8407H25 TA8407H15 | 6.2 6.2 6.2 | --- | 40-50 | TA7315H40 TA7315H25 TA7315H15 | 6.2 6.2 6.2 | --- | | | |
| | | | | | 33-49 | TA7315H40 TA7315H25 TA7315H15 | 6.2 6.2 6.2 | --- | 51-60 | TA7315H25 TA7315H15 | 6.2 6.2 | --- | | | |
| | | | | | 61-80 | TA6307H25 TA6307H15 | 6.2 6.2 | --- | | | | | | | |
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SELECTION

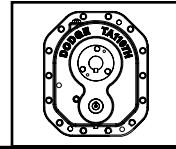
TORQUE-ARM II Shaft Mount Speed Reducers

CLASS III SELECTIONS (cont) * (SF = 2.0)

| Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | | | | | |
|--|------------|--|-------------------------|-------------------|--------------|--|-------------------------------------|-----------------------|--|--------------|-------------------------------------|--|-----------------------|-------------------|--|--------------------|-------------------|-----|--|
| 30 (cont) | 81-88 | TA6307H15 TA6307H09 | 6.3 9.9 | --- --- | 40 (cont) | 54-80 | TA7315H25 TA7315H15 | 6.2 6.2 | --- --- | 50 (cont) | 111 | TA6307H15 TA6307H09 | 6.6 10.5 | --- --- | | | | | |
| | 89 | TA5215H15 TA6307H09 | 5.7 9.9 | --- --- | | 81-84 | TA7315H15 TA7315H09 | 6.2 8.0 | --- --- | | 112-120 | TA6307H15 TA6307H09 | 6.7 10.8 | --- --- | | | | | |
| | 90-93 | TA5215H15 TA6307H09 TA6307H05 | 5.7 10.1 15.1 | --- --- --- | | 85-89 | TA6307H15 TA6307H09 | 6.3 9.9 | --- --- | | 121-157 | TA6307H09 TA7315H05 | 10.9 12.8 | --- --- | | | | | |
| | 94-120 | TA5215H15 TA5215H09 TA6307H05 | 5.6 8.8 15.1 | --- --- --- | | 90-112 | TA6307H15 TA6307H09 TA7315H05 | 6.6 10.6 14.8 | --- --- --- | | 158-200 | TA6307H09 TA6307H05 | 10.9 14.2 | --- --- | | | | | |
| | 121-131 | TA5215H09 TA6307H05 | 8.3 14.5 | --- --- | | 113-120 | TA6307H15 TA6307H09 TA6307H05 | 6.7 10.8 14.7 | --- --- --- | | 201-400 | TA6307H05 | 13.8 | --- | | | | | |
| | 132-196 | TA5215H09 TA5215H05 | 7.9 11.4 | --- --- | | 121-160 | TA6307H09 TA6307H05 | 10.9 14.5 | --- --- | | 7-14 | TDT1530 † | 15.0 | --- | | | | | |
| | 197-200 | TA4207H09 TA5215H05 | 7.8 10.0 | --- --- | | 161-200 | TA5215H09 TA6307H05 | 6.8 14.1 | --- --- | | 15-20 | TDT1425 † | 15.0 | --- | | | | | |
| | 201-344 | TA5215H05 | 9.9 | --- | | 201-246 | TA6307H05 | 13.8 | --- | | 21 | TA12608H40 TDT1425 † | 17.1 15.0 | --- --- | | | | | |
| | 345-400 | TA4207H05 | 8.2 | --- | | 247-400 | TA5215H05 | 9.0 | --- | | 22-27 | TA12608H40 TA12608H25 TA12608H15 | 17.1 9.5 14.8 | --- --- --- | | | | | |
| | 40 | 5-9 | TDT1530 † | 15.0 | | --- | 50 | 6-11 | TDT1530 † | | 15.0 | --- | 60 | 28 | TA10507H40 TA12608H25 TA12608H15 | 8.5 9.5 14.9 | --- --- --- | | |
| | | 10-13 | TDT1425 † | 15.0 | | --- | | 12-17 | TDT1425 † | | 15.0 | --- | | 29-38 | TA10507H40 TA10507H25 TA10507H15 | 8.5 8.5 10.7 | --- --- --- | | |
| | | 14 | TA12608H40 TDT1425 † | 17.1 15.0 | | --- --- | | 18-22 | TA12608H40 TA12608H25 TA12608H15 | | 17.1 9.5 14.6 | --- --- --- | | 39-45 | TA9415H40 TA9415H25 TA9415H15 | 8.0 8.0 10.8 | Fan --- --- | | |
| 15-17 | | TA12608H40 TA12608H25 TA12608H15 | 17.1 9.5 14.3 | --- --- --- | 23-31 | TA10507H40 TA10507H25 TA10507H15 | | 8.5 8.5 10.7 | --- --- --- | 46-50 | TA9415H40 TA9415H25 TA9415H15 | 8.0 8.0 10.8 | | Fan --- --- | | | | | |
| 18-25 | | TA10507H40 TA10507H25 TA10507H15 | 8.5 8.5 10.8 | --- --- --- | 32-37 | TA9415H40 TA9415H25 TA9415H15 | | 8.0 8.0 10.8 | --- --- --- | 51-56 | TA9415H25 TA9415H15 | 8.0 10.8 | | --- --- | | | | | |
| 26-36 | | TA9415H40 TA9415H25 TA9415H15 | 8.0 8.0 10.8 | --- --- --- | 38-46 | TA9415H40 TA9415H25 TA9415H15 | | 8.0 8.0 10.8 | Fan --- --- | 57-71 | TA8407H25 TA8407H15 | 6.2 7.1 | | --- --- | | | | | |
| 37-50 | | TA8407H40 TA8407H25 TA8407H15 | 6.2 6.2 6.2 | --- --- --- | 47-50 | TA8407H40 TA8407H25 TA8407H15 | | 6.2 6.2 6.2 | Fan --- --- | 72-80 | TA8407H25 TA8407H15 | 6.2 7.5 | | Fan --- | | | | | |
| 51-53 | | TA8407H25 TA8407H15 | 6.2 6.3 | --- --- | 51-68 | TA8407H25 TA8407H15 | | 6.2 7.0 | --- --- | 81-83 | TA8407H15 | 7.7 | | --- | | | | | |
| * See Page 136 for lubrication for 15 RPM and slower † See DODGE Gear Engineering Catalog DMR-1205-2 for information on TDT1425 and TDT1530 Reducer | | | | | 69-80 | TA7315H25 TA7315H15 | | 6.2 6.2 | --- --- | 84-85 | TA7315H15 | 6.2 | | --- | | | | | |
| | | | | | 81-110 | TA7315H15 TA7315H09 | | 6.2 8.5 | --- --- | 86-120 | TA7315H15 TA7315H09 | 6.2 8.5 | | --- --- | 121-141 | TA7315H09 | 8.6 | --- | |
| | | | | | 142-150 | TA6307H09 | | 10.9 | --- | | | | | | | | | | |

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SELECTION



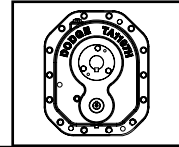
TORQUE-ARM II Shaft Mount Speed Reducers

CLASS III SELECTIONS (cont) * (SF = 2.0)

| Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | Motor HP | Output RPM | Reducer Selection | Min. Sheave Dia. P.D. | Cooling Method | | | | |
|--|------------|-------------------|-----------------------|----------------|------------|------------|-------------------|-----------------------|----------------|------------|------------|-------------------|-----------------------|----------------|------------|------------|------------|------------|
| 60 (cont) | 151-195 | TA6307H09 | 10.9 | --- | 100 (cont) | 48-50 | TA10507H40 | 8.5 | Fan | 200 (cont) | 81-98 | TA12608H15 | 15.6 | Fan | | | | |
| | | TA7315H05 | 12.1 | --- | | | 99-120 | TA12608H15 | 15.1 | | P&C | | | | | | | |
| | 196-200 | TA6307H09 | 10.1 | Fan | | 51 | TA12608H25 | 9.5 | --- | 250 | 34-57 | TDT1530 † | 15.0 | --- | | | | |
| | | TA7315H05 | 11.7 | --- | | | 66-75 | TDT1425 † | 15.0 | | P&C | | | | | | | |
| | 201-208 | TA7315H05 | 11.7 | --- | | 52-56 | TA12608H15 | 15.7 | --- | 300 | 97-120 | TA12608H15 | 15.1 | P&C | | | | |
| 209-400 | TA6307H05 | 13.5 | --- | TA10507H25 | | | 8.5 | --- | 41-57 | | TDT1530 † | 15.0 | --- | | | | | |
| 75 | 9-17 | TDT1530 † | 15.0 | --- | | 57-67 | TA10507H15 | 11.8 | --- | 350 | 50-57 | TDT1530 † | 15.0 | --- | | | | |
| | 18-26 | TDT1425 † | 15.0 | --- | | | TA10507H25 | 8.8 | Fan | | 125 | 16-30 | TDT1530 † | 15.0 | --- | | | |
| | 27-34 | TA12608H40 | 17.1 | --- | | 68 | TA10507H15 | 12.4 | --- | 31-43 | | | TDT1425 † | 15.0 | --- | | | |
| | | TA12608H25 | 9.5 | --- | | | TA9415H25 | 8.0 | Fan | | | | 44-50 | TA12608H40 | 17.1 | Fan | | |
| | 35-36 | TA12608H15 | 15.1 | --- | | 69-80 | TA10507H15 | 12.5 | --- | 51-58 | | | | TA12608H25 | 9.5 | --- | | |
| | | TA10507H40 | 8.5 | --- | | | TA9415H25 | 8.0 | Fan | | | | 59-67 | TA12608H15 | 15.7 | --- | | |
| | 37-49 | TA12608H25 | 9.5 | --- | | 81-100 | TA9415H15 | 10.7 | Fan | 68-80 | | | | TA12608H25 | 9.6 | --- | | |
| | | TA12608H15 | 15.2 | --- | | | TA8407H15 | 8.7 | Fan | | | | 81-90 | TA12608H15 | 15.9 | --- | | |
| | 50 | TA10507H40 | 8.5 | --- | | 101-120 | TA9415H15 | 10.5 | Fan | 59-67 | | | | TA12608H25 | 10.4 | Fan | | |
| | | TA10507H25 | 8.5 | --- | TA7315H09 | | 8.4 | Fan | 68-80 | | | | TA12608H15 | 16.1 | --- | | | |
| | 51-72 | TA10507H15 | 11.3 | --- | 172-200 | TA7315H05 | 10.8 | --- | | 81-90 | | | TA10507H25 | 9.4 | Fan | | | |
| | | TA9415H40 | 8.0 | Fan | | 331-400 | TA7315H05 | 10.8 | --- | | | | 81-90 | TA10507H15 | 13.4 | Fan | | |
| | 73-80 | TA9415H25 | 8.0 | Fan | 150 | | 19-36 | TDT1530 † | 15.0 | --- | | | | 81-90 | TA10507H15 | 13.6 | Fan | |
| | | TA9415H15 | 10.8 | --- | | 37-41 | | TDT1425 † | 15.0 | --- | | | 81-83 | | TA12608H15 | 15.6 | Fan | |
| | 81-112 | TA8407H25 | 6.2 | Fan | | | | 42-52 | TDT1425 † | 15.0 | | | | Fan | 84-115 | TA10507H15 | 13.6 | Fan |
| | | TA8407H15 | 7.5 | --- | | 53-80 | | | TA12608H25 | 10.7 | | | Fan | 116-120 | | TA9415H15 | 10.2 | Fan |
| | 113 | TA7315H15 | 6.2 | --- | | | | 59-67 | TA12608H15 | 15.7 | --- | 27-50 | TDT1530 † | | 15.0 | --- | | |
| | | TA7315H09 | 8.5 | --- | | 68-80 | | | TA10507H25 | 9.4 | Fan | | 51-70 | TDT1425 † | 15.0 | P&C | | |
| | 114-120 | TA7315H09 | 8.6 | --- | | | | 81-90 | TA10507H15 | 13.4 | Fan | 71-80 | | TA12608H25 | 10.7 | P&C | | |
| | | TA7315H05 | 11.5 | --- | | 91-120 | | | TA9415H15 | 10.3 | Fan | | TA12608H15 | 16.1 | Fan | | | |
| 121-156 | TA7315H09 | 8.5 | Fan | 200 | | | | 19-36 | TDT1530 † | 15.0 | --- | 200 | | 19-36 | TDT1530 † | 15.0 | --- | |
| 157-200 | TA7315H05 | 11.5 | --- | | | 37-41 | | | TDT1425 † | 15.0 | --- | | 37-41 | | TDT1425 † | 15.0 | --- | |
| 213-306 | TA6307H05 | 11.7 | --- | | | | | | 42-52 | TDT1425 † | 15.0 | | | | Fan | 42-52 | TDT1425 † | 15.0 |
| 307-400 | TA6307H05 | 11.7 | --- | | | 53-80 | | | | TA12608H25 | 10.7 | | Fan | | 53-80 | | TA12608H25 | 10.7 |
| 100 | 12-23 | TDT1530 † | 15.0 | | | | | | --- | 81-83 | TA12608H15 | | 16.1 | | | Fan | 81-83 | TA12608H15 |
| | 24-35 | TDT1425 † | 15.0 | | | --- | | | 84-115 | | TA10507H15 | | 13.6 | | Fan | 84-115 | | TA10507H15 |
| 36-47 | TA12608H40 | 17.1 | --- | | | 116-120 | | | | TA9415H15 | 10.2 | | Fan | | 116-120 | | TA9415H15 | 10.2 |
| | TA12608H25 | 9.5 | --- | | 27-50 | | TDT1530 † | | 15.0 | --- | 27-50 | | TDT1530 † | | | 15.0 | --- | |
| TA12608H15 | 15.6 | --- | 51-70 | | | TDT1425 † | 15.0 | | P&C | 51-70 | | | TDT1425 † | | 15.0 | P&C | | |
| * See Page 136 for lubrication for 15 RPM and slower † See DODGE Gear Engineering Catalog DMR-1205-2 for information on TDT1425 and TDT1530 Reducer | | | | | 71-80 | TA12608H25 | 10.7 | | P&C | | 71-80 | | TA12608H25 | | 10.7 | P&C | | |
| | | | | | | TA12608H15 | 16.1 | | Fan | TA12608H15 | | | 16.1 | | Fan | | | |

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SELECTION



TORQUE-ARM II Shaft Mount Speed Reducers

SELECTION GUIDE: TA II TORQUE-ARM SHAFT MOUNT REDUCERS AND SCREW CONVEYOR DRIVES

This is a reference sheet for quick selection and specification of DODGE TA II Shaft Mount Reducers. Use it to identify information needed to make an accurate selection with a step-by-step selection format for choosing a reducer, accessories and belt drive.

| | | | | |
|---|-----------|----------------------|------------------------|------------|
| Name | | Company Name | | |
| Phone Number | | Fax. No. | e-mail Address: | |
| Application Data: | | | | |
| Driven Equipment: | | | | |
| Type | | RPM | Shaft Size | |
| Hours of service/day | | | Class of Service | |
| Type of Load: | | Uniform | Moderate | Shock |
| Screw Conveyor applications: | | | | |
| Screw Diameter | | Drive shaft diameter | | |
| Motor: | HP | RPM | Frame Size | Shaft Size |
| Type of reducer mounting: | | Horizontal | Vertical - input up | |
| Vertical - input down | | Incline (degree of) | Flange Mounting | |
| Unusual ambient temperature: | | | | |
| Other important application characteristics (reversing duty, start/stop cycles, etc.): | | | | |
| | | | | |
| Reducer Drive Selection: | | | | |
| Step 1 - Determine class of service | | | | |
| Step 2 - From Class of Service Table, select reducer type, size and ratio that meets Application HP and Driven RPM requirements: | | | | |
| Twin Taper Bushed | | Screw Conveyor | | |
| Step 3 - Select reducer accessories required for application: | | | | |
| Twin Taper Bushing Kit: | | Standard Shaft | Short Shaft | |
| Rod Assembly | | Backstop | Cooling Fan | |
| Motor Mount | | Belt Guard | Adapter & Hardware Kit | |
| Adjustable Packing Kit | | Drive Shaft | Stainless Drive Shaft | |
| Other | | | | |
| Belt Drive Specification: | | | | |
| Service Factor | Belt Type | Center Distance | Sheave Ratio | |
| Driver: Shaft Diameter | Sheave | Bushing | Belt Size & Qty | |
| Driven: Shaft diameter | Sheave | Bushing | Belt Size & Qty | |

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