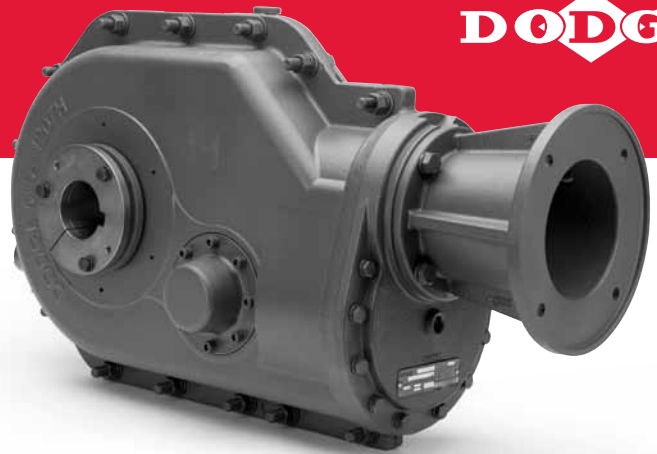


MOTORIZED TORQUE-ARM II®



GEARING

C-FACE REDUCERS

AGMA Rated - Right Angle c-face shaft mounted speed reducer with standard Twin Tapered bushings.

Heavy Duty Solution

- AGMA rated design offers longer life vs European DIN standards
- Premium HNBR oil seals with excluder seal technology
- Straddle mount input pinion gives maximum torque throughput, no pressfit pinion shank
- Available in 3hp-75hp based on output speeds
- 1-5/16" through 3-7/16" bushing bores

Installed Cost Savings

- Reduced assembly time & guarding costs
- Optional metal/ABS end covers
- Reduced maintenance requirements

Compact Flexible Drive Design

- Reducer mounts in multiple positions
- Two motor speeds and multiple gear ratios provide a wide spectrum of output speeds

Uses Standard Stocked Accessories

- Standard and short shaft twin tapered bushings
- Industry leading backstop design
- Standard stock torque arm rod kit
- Standard Screw Conveyor Adapter and drive shaft
- Standard Baldor•Reliance NEMA® C-face motors
- Three-piece coupled design

Easy Selection

- Part numbered product concept
- Easy Class I & II selection tables

Proven Performance

- Rugged, high efficiency, case carburized helical/bevel gearing

With 60 years of proven dependability and more service throughout the world, DODGE TORQUE-ARM speed reducers are the standard of the industry.

Dodge Twin Taper Bushing System

Exclusive twin tapered bushings eliminate the wobble and fretting corrosion normally associated with single bushed shaft mounted reducers by centering the shaft in the hub. The bushings are made of ductile iron for shock resistance and fully split to completely grip the driven shaft. As the bushing screws are tightened, the bushing is drawn inward and wedged evenly and firmly against the shaft. To remove, simply remove the mounting screws, insert them in the threaded holes in the bushing flange, and turn them against the backing plate. They will act as jacking screws and pull the bushing right out. No puller is required, the reducer simply slides off.

Dodge Short Shaft Bushing System

Allows replacement of single bushed reducers with the industry preferred Twin Taper Bushing System. Extended outboard bushing reaches in and grabs the shorter shaft. Available in Metric Bores.

AGMA and ABMA rated

Anti-friction roller bearings are sized to conform to AGMA and ABMA design of 25,000 hrs average life in Class I applications.

BALDOR®

MTA2115H Speeds and Motor Hp's						MTA4207H Speeds and Motor Hp's						MTA6307H Speeds and Motor Hp's					
Output rpm	Ratio	Class 1 Mtr HP	Mtr speed	Class 2 Mtr HP	Mtr speed	Output rpm	Ratio	Class 1 Mtr HP	Mtr speed	Class 2 Mtr HP	Mtr speed	Output rpm	Ratio	Class 1 Mtr HP	Mtr speed	Class 2 Mtr HP	Mtr speed
22.74	76.96	3	1750	3	1750	23.79	73.57	10	1750	7.5	1750	22.28	78.53	20	1750	15	1750
24.59	71.18	3	1750	3	1750	26.45	66.17	10	1750	7.5	1750	26.15	66.92	25	1750	15	1750
26.49	66.07	5	1750	3	1750	28.67	61.04	10	1750	7.5	1750	29.63	59.05	30	1750	20	1750
30.02	58.29	5	1750	3	1750	33.84	51.72	15	1750	10	1750	33.43	52.35	30	1750	20	1750
32.52	53.82	5	1750	3	1750	35.68	49.04	15	1750	10	1750	34.82	50.26	30	1750	25	1750
36.88	47.45	5	1750	3	1750	39.67	44.11	15	1750	10	1750	39.23	44.61	30	1750	25	1750
39.73	44.05	7.5	1750	5	1750	43.00	40.70	15	1750	10	1750	43.93	78.53	40	3450	30	3450
45.03	38.86	7.5	1750	5	1750	46.90	73.57	20	3450	10	3450	44.45	39.37	40	1750	30	1750
48.77	35.88	7.5	1750	5	1750	50.75	34.48	20	1750	15	1750	51.55	66.92	50	3450	30	3450
52.22	66.07	7.5	3450	5	3450	52.14	66.17	20	3450	15	3450	52.23	33.51	50	1750	30	1750
54.44	32.15	7.5	1750	5	1750	56.52	61.04	20	3450	15	3450	58.42	59.05	50	3450	40	3450
59.04	29.64	10	1750	5	1750	58.24	30.05	20	1750	15	1750	60.28	29.03	50	1750	40	1750
64.10	53.82	10	3450	7.5	3450	66.71	51.72	25	3450	15	3450	65.90	52.35	60	3450	40	3450
70.37	24.87	10	1750	7.5	1750	68.44	25.57	25	1750	20	1750	68.64	50.26	60	3450	40	3450
72.71	47.45	10	3450	7.5	3450	70.35	49.04	25	3450	20	3450	71.63	24.43	60	1750	50	1750
78.33	44.05	10	3450	7.5	3450	78.21	44.11	30	3450	20	3450	77.33	44.61	60	3450	50	3450
82.48	21.22	10	1750	7.5	1750	80.20	21.82	30	1750	20	1750	79.39	22.04	60	1750	50	1750
88.77	38.86	10	3450	10	3450	84.77	40.70	30	3450	20	3450	87.63	39.37	75*	3450	50	3450
96.15	35.88	15	3450	10	3450	97.82	17.89	30	1750	25	1750	92.36	18.95	75*	1750	60	1750
98.98	17.68	15	1750	10	1750	100.06	34.48	30	3450	25	3450	102.97	33.51	75*	3450	60	3450
107.32	32.15	15	3450	10	3450	114.81	30.05	40*	3450	30	3450	118.83	29.03	75*	3450	75*	3450
116.40	29.64	15	3450	10	3450	134.92	25.57	40*	3450	30	3450	141.21	24.43	75*	3450	75*	3450
138.72	24.87	15	3450	10	3450	158.11	21.82	50*	3450	30	3450	156.51	22.04	75*	3450	75*	3450
162.61	21.22	20	3450	15	3450	192.85	17.89	50*	3450	40	3450	182.09	18.95	75*	3450	75*	3450
195.14	17.68	20	3450	15	3450	* Consult factory for thermal considerations						* Consult factory for thermal considerations					



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