

# TORQUE-ARM®

**BALDOR**  
DODGE

GEARING

## C-FACE REDUCERS

**"NEW"**  
MOTORIZED  
TORQUE-ARM®  
THE HEAVY DUTY SOLUTION!

DODGE® MTA – Motorized  
TORQUE-ARM II™ Right Angle C-Face  
Shaft Mounted Speed Reducer with standard Twin  
Tapered bushings.



### HEAVY DUTY SOLUTION

- AGMA rated design vs European standards
- Tapered roller bearings on all helical shafts
- Premium HNBR oil seals

### INSTALLED COST SAVINGS

- Reduced assembly time
- Reduced guarding costs
- Optional metal 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 Electric 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 50 years of proven dependability and more than 1.5 million units in service throughout the world, DODGE TORQUE-ARM speed reducers are the standard of the industry.

### DODGE TWIN TAPER BUSHING SYSTEM

Exclusive twin tapered bushings provide sturdy, concentric grip of the driven shaft on both sides of the reducer. This eliminates the wobble and fretting corrosion normally associated with single bushed shaft mounted reducers. These 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.

### 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.

# MTA - MOTORIZED TORQUE-ARM PRODUCTS

## C-FACE RIGHT ANGLE CONFIGURATION

INCLUDES REDUCER, C-FACE ADAPTER, AND 3 PIECE COUPLING

### Class I Easy Selection Chart

MTA C-Face (VFD optional)										MTA C-Face (VFD optional)											
MTA1107 Class I, 1.0 minimum svc factor										MTA3203 Class I, 1.0 minimum svc factor											
output rpm	motor rpm	Total ratio	Class 1 Motor hp	Class 1 Torque	Gearbox & Adapter Part Number	SABRE - EPAct Std Duty Motor Part Number	XT - EPAct Harsh Duty Motor Part Number	XP - EPAct Explosion Proof Motor Part Number	OPTIONAL MD-65 VFD part number	OPTIONAL SP-600 Nema 4X Harsh Duty VFD part number	output rpm	motor rpm	Total ratio	Class 1 Motor hp	Class 1 Torque	Gearbox & Adapter Part Number	SABRE - EPAct Std Duty Motor Part Number	XT - EPAct Harsh Duty Motor Part Number	XP - EPAct Explosion Proof Motor Part Number	OPTIONAL MD-65 VFD part number	OPTIONAL SP-600 Nema 4X Harsh Duty VFD part number
13.4	1750	130.8	1.5	7064	901160	P14G9257	P14X3254	P14X3961	6MDDN-2P3102	6SP44X-2P1CTNN	13	1750	134.7	3.0	14564	903162	P18S3068	P18G3888	P18G1183	6MDDN-6P0102	6SP44X-005CTNN
16.5	1750	106.0	1.5	5728	901161	P14G9257	P14X3254	P14X3961	6MDDN-2P3102	6SP44X-2P1CTNN	16.9	1750	103.5	3.0	11199	903163	P18S3068	P18G3888	P18G1183	6MDDN-6P0102	6SP44X-005CTNN
20.9	1750	83.8	2.0	6024	901162	P14G9258	P14X3256	P14X3962	6MDDN-4P0102	6SP44X-3P4CTNN	19.8	1750	88.3	5.0	15907	903164	P18S3068	P18G3888	P18G1184	6MDDN-010102	6SP44X-008CTNN
25.8	1750	67.9	2.0	4885	901163	P14G9258	P14X3256	P14X3962	6MDDN-4P0102	6SP44X-3P4CTNN	25.6	3450	134.7	5.0	12313	903162	P18S3069	P18G4059 **		6MDDN-010102	6SP44X-008CTNN
26.4	3450	130.8	2.0	4778	901160	P14X1341	P14X3255		6MDDN-4P0102	6SP44X-3P4CTNN	25.8	1750	67.9	5.0	12232	903165	P18S3070	P18G3889	P18G1184	6MDDN-010102	6SP44X-008CTNN
27.7	1750	63.1	2.0	4544	901164	P14G9258	P14X3256	P14X3962	6MDDN-4P0102	6SP44X-3P4CTNN	28	1750	62.5	5.0	11270	903166	P18S3070	P18G3889	P18G1184	6MDDN-010102	6SP44X-008CTNN
31	1750	56.3	2.0	6090	901165	P14G9258	P14X3256	P14X3962	6MDDN-4P0102	6SP44X-3P4CTNN	29.6	1750	59.1	7.5	15984	903177	P21S3064	P21G3888	P21G1158	6MDDN-012102	6SP44X-011CTNN
32.5	3450	106.0	3.0	5811	901168	P18S3067	P18G4006 **		6MDDN-6P0102	6SP44X-005CTNN	33.3	3450	103.5	7.5	14202	903173	P21S3063	P21G4006 **		6MDDN-012102	6SP44X-011CTNN
38.3	1750	45.6	3.0	4938	901173	P18S3068	P18G3888	P18G1183	6MDDN-6P0102	6SP44X-005CTNN	38.5	1750	45.4	7.5	12291	903178	P21S3064	P21G3888	P21G1158	6MDDN-012102	6SP44X-011CTNN
41.3	3450	83.8	3.0	4584	901169	P18S3067	P18G4006 **		6MDDN-6P0102	6SP44X-005CTNN	39.1	3450	88.3	10.0	16138	903174	P21S3065	P21G4059 **		6MDDN-017102	6SP44X-014CTNN
43.4	1750	40.4	3.0	4360	901174	P18S3068	P18G3888	P18G1183	6MDDN-6P0102	6SP44X-005CTNN	42.7	1750	41.0	7.5	11078	903169	P21S3064	P21G3888	P21G1158	6MDDN-012102	6SP44X-011CTNN
46	1750	38.0	3.0	4110	901175	P18S3068	P18G3888	P18G1183	6MDDN-6P0102	6SP44X-005CTNN	45.6	1750	38.3	5.0	6907	903170	P18S3070	P18G3889	P18G1184	6MDDN-010102	6SP44X-008CTNN
50.9	3450	67.9	5.0	6195	901170	P18S3069	P18G4059 **		6MDDN-010102	6SP44X-008CTNN	50.8	3450	67.9	10.0	12410	903175	P21S3065	P21G4059 **		6MDDN-017102	6SP44X-014CTNN
54.7	3450	63.1	5.0	5763	901171	P18S3069	P18G4059 **		6MDDN-010102	6SP44X-008CTNN	55.1	3450	62.5	10.0	11433	903176	P21S3065	P21G4059 **		6MDDN-017102	6SP44X-014CTNN
61.2	3450	56.3	5.0	5148	901172	P18S3069	P18G4059 **		6MDDN-010102	6SP44X-008CTNN	58.3	3450	59.1	10.0	10810	903177	P21S3065	P21G4059 **		6MDDN-017102	6SP44X-014CTNN
64.4	1750	27.1	3.0	2938	901176	P18S4107	P18G3888	P18G1183	6MDDN-6P0102	6SP44X-005CTNN	63.7	1750	27.4	7.5	7421	903182	P21S3064	P21G3888	P21G1158	6MDDN-012102	6SP44X-011CTNN
71.9	1750	24.4	5.0	4381	901177	P18S3070	P18G3889	P18G1184	6MDDN-010102	6SP44X-008CTNN	69.6	1750	25.1	7.5	6790	903183	P21S3064	P21G3888	P21G1158	6MDDN-012102	6SP44X-011CTNN
75.5	3450	45.6	5.0	4175	901173	P18S3069	P18G4059 **		6MDDN-010102	6SP44X-008CTNN	75.8	3450	45.4	10.0	8313	903178	P21S3065	P21G4059 **		6MDDN-017102	6SP44X-014CTNN
85.5	3450	40.4	7.5	5529	901178	P21S3063	P21G4006 **		6MDDN-012102	6SP44X-011CTNN	84.1	3450	41.0	10.0	7493	903179	P21S3065	P21G4059 **		6MDDN-017102	6SP44X-014CTNN
90.7	3450	38.0	5.0	3474	901175	P18S3069	P18G4059 **		6MDDN-010102	6SP44X-008CTNN	89.9	3450	38.3	10.0	7007	903181	P21S3065	P21G4059 **		6MDDN-017102	6SP44X-014CTNN
126.9	3450	27.1	7.5	3726	901179	P21S3063	P21G4006 **		6MDDN-012102	6SP44X-011CTNN	125.6	3450	27.4	10.0	5019	903182	P21S3065	P21G4059 **		6MDDN-017102	6SP44X-014CTNN
141.8	3450	24.4	7.5	3333	901181	P21S3063	P21G4006 **		6MDDN-017102	6SP44X-011CTNN	137.2	3450	25.1	10.0	4592	903183	P21S3065	P21G4059 **		6MDDN-017102	6SP44X-014CTNN

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### Includes Reducer, C-Face Adapter, and 3 Piece Coupling

### Class II Easy Selection Chart

MTA C-Face (VFD optional)										MTA C-Face (VFD optional)											
MTA1107 Class II, 1.4 minimum svc factor										MTA3203 Class II, 1.4 minimum svc factor											
output rpm	motor rpm	Total ratio	Class 2 Motor hp	Class 2 Torque	Gearbox & Adapter Part Number	SABRE - EPAct Std Duty Motor Part Number	XT - EPAct Harsh Duty Motor Part Number	XP - EPAct Explosion Proof Motor Part Number	OPTIONAL MD-65 VFD part number	OPTIONAL SP-600 Nema 4X Harsh Duty VFD part number	output rpm	motor rpm	Total ratio	Class 2 Motor hp	Class 2 Torque	Gearbox & Adapter Part Number	SABRE - EPAct Std Duty Motor Part Number	XT - EPAct Harsh Duty Motor Part Number	XP - EPAct Explosion Proof Motor Part Number	OPTIONAL MD-65 VFD part number	OPTIONAL SP-600 Nema 4X Harsh Duty VFD part number
13.4	1750	130.8	1.0	4710	901160	P14G9256	P14X3251	P14X3960	6MDDN-2P3102	6SP44X-2P1CTNN	13	1750	134.7	2.0	9709	903161	P14G9258	P14X3256	P14X3962	6MDDN-4P0102	6SP44X-3P4CTNN
16.5	1750	106.0	1.0	3819	901161	P14G9256	P14X3251	P14X3960	6MDDN-2P3102	6SP44X-2P1CTNN	16.9	1750	103.5	3.0	11199	903163	P18S3068	P18G3888	P18G1183	6MDDN-6P0102	6SP44X-005CTNN
20.9	1750	83.8	1.5	4518	901162	P14G9257	P14X3254	P14X3961	6MDDN-2P3102	6SP44X-2P1CTNN	19.8	1750	88.3	3.0	9545	903164	P18S3068	P18G3888	P18G1183	6MDDN-6P0102	6SP44X-005CTNN
25.8	1750	67.9	1.5	3664	901163	P14G9257	P14X3254	P14X3961	6MDDN-2P3102	6SP44X-2P1CTNN	25.6	3450	134.7	5.0	12313	903162	P18S3069	P18G4059 **		6MDDN-010102	6SP44X-008CTNN
26.4	3450	130.8	1.5	3583	901160	P14X1340	P14X3253	P14X3958	6MDDN-2P3102	6SP44X-2P1CTNN	25.8	1750	67.9	5.0	12232	903165	P18S3070	P18G3889	P18G1184	6MDDN-010102	6SP44X-008CTNN
27.7	1750	63.1	2.0	4544	901164	P14G9258	P14X3256	P14X3962	6MDDN-4P0102	6SP44X-3P4CTNN	28	1750	62.5	3.0	6762	903166	P18S3068	P18G3888	P18G1183	6MDDN-6P0102	6SP44X-005CTNN
31	1750	56.3	2.0	4060	901165	P14G9258	P14X3256	P14X3962	6MDDN-4P0102	6SP44X-3P4CTNN	29.6	1750	59.1	5.0	10656	903167	P18S3070	P18G3889	P18G1184	6MDDN-010102	6SP44X-008CTNN
32.5	3450	106.0	2.0	3874	901166	P14X1341	P14X3255	P14X3959	6MDDN-4P0102	6SP44X-3P4CTNN	33.3	3450	103.5	5.0	9468	903163	P18S3069	P18G4059 **		6MDDN-010102	6SP44X-008CTNN
38.3	1750	45.6	2.0	3292	901166	P14G9258	P14X3256	P14X3962	6MDDN-4P0102	6SP44X-3P4CTNN	38.5	1750	45.4	5.0	8194	903168	P18S3070	P18G3889	P18G1184	6MDDN-010102	6SP44X-008CTNN
41.3	3450	83.8	2.0	3056	901162	P14X1341	P14X3255		6MDDN-4P0102	6SP44X-3P4CTNN	39.1	3450	88.3	7.5	12104	903174	P21S3063	P21G4006 **		6MDDN-012102	6SP44X-011CTNN
43.4	1750	40.4	3.0	4360	901174	P18S3068	P18G3888	P18G1183	6MDDN-6P0102	6SP44X-005CTNN	42.7	1750	41.0	5.0	7386	903169	P18S3070	P18G3889	P18G1184	6MDDN-010102	6SP44X-008CTNN
46	1750	38.0	2.0	2740	901167	P14G9258	P14X3256	P14X3962	6MDDN-4P0102	6SP44X-3P4CTNN	45.6	1750	38.3	3.0	4144	903170	P18S3068	P18G3888	P18G1183	6MDDN-6P0102	6SP44X-005CTNN
50.9	3450	67.9	3.0	3717	901170	P18S3067	P18G4006 **		6MDDN-6P0102	6SP44X-005CTNN	50.8	3450	67.9	7.5	9307	903175	P18S3067	P21G4006 **		6MDDN-012102	6SP44X-011CTNN
54.7	3450	63.1	3.0	3458	901171	P18S3067	P18G4006 **		6MDDN-6P0102	6SP44X-005CTNN	55.1	3450	62.5	7.5	8575	903176	P21S3063	P21G4006 **		6MDDN-012102	6SP44X-011CTNN
61.2	3450	56.3	3.0	3089	901172	P18S3067	P18G4006 **		6MDDN-6P0102	6SP44X-005CTNN	58.3	3450	59.1	10.0	10810	903177	P21S3065	P21G4059 **		6MDDN-017102	6SP44X-014CTNN
64.4	1750	27.1	3.0	2938	901176	P18S3068	P18G3888	P18G1183	6MDDN-6P0102	6SP44X-005CTNN	63.7	1750	27.4	5.0	4947	903171	P18S3070	P18G3889	P18G1184	6MDDN-010102	6SP44X-008CTNN
71.9	1750	24.4	3.0	2628	901177	P18S3068	P18G3888	P18G1183	6MDDN-6P0102	6SP44X-005CTNN	69.6	1750	25.1	5.0	4527	903172	P18S3070	P18G3889	P18G1184	6MDDN-010102	6SP44X-008CTNN
75.5	3450	45.6	5.0	4175	901173	P18S3069	P18G4059 **		6MDDN-010102	6SP44X-008CTNN	75.8	3450	45.4	10.0	8313	903178	P21S3065	P21G4006 **		6MDDN-017102	6SP44X-014CTNN
85.5	3450	40.4	5.0	3686	901174	P18S3069	P18G4059 **		6MDDN-010102	6SP44X-008CTNN	84.1	3450	41.0	10.0	7493	903179	P21S3065	P21G4059 **		6MDDN-017102	6SP44X-014CTNN
90.7	3450	38.0	3.0	2085	901175	P18S3067	P18G4006 **		6MDDN-6P0102	6SP44X-005CTNN	89.9	3450	38.3	7.5	5256	903181	P21S3063	P21G4006 **		6MDDN-012102	6SP44X-011CTNN
126.9	3450	27.1	5.0	2484	901176	P18S3069	P18G4059 **		6MDDN-010102	6SP44X-008CTNN	125.6	3450	27.4	10.0	5019	903182	P21S3065	P21G4059 **		6MDDN-017102	6SP44X-014CTNN
141.8	3450	24.4	5.0	2222	901177	P18S3069	P18G4059 **		6MDDN-010102	6SP44X-008CTNN	137.2	3450	25.1	10.0	4592	903183	P21S3065	P21G4059 **		6MDDN-017102	6SP44X-014CTNN

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1. VFD's require 460v input. For other options please contact DODGE Engineering or Marketing

2. MD65 requires NEMA 1 conduit kit:

- up to 5hp = 6MD - NM1B
- 75 to 15hp = 6MD - NM1C