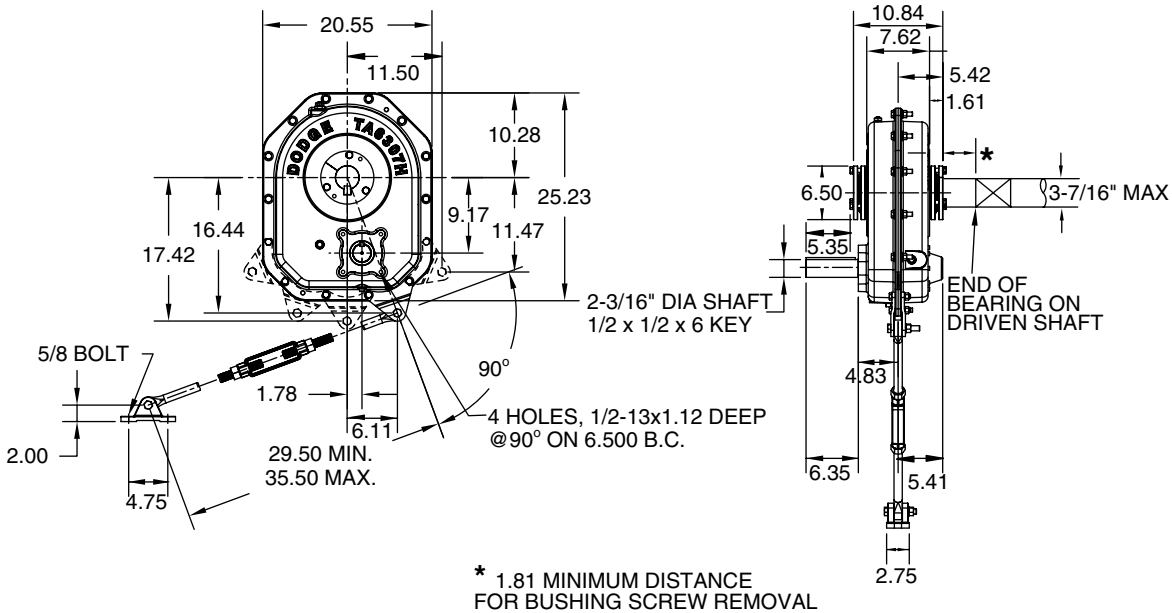
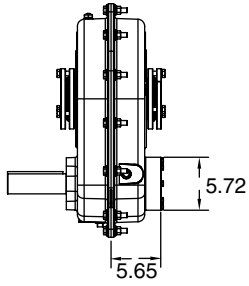
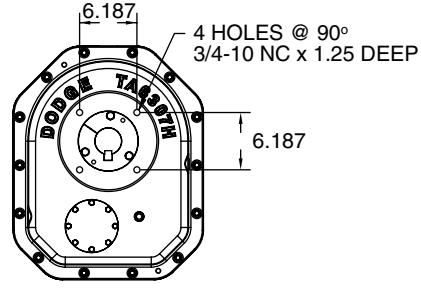
TORQUE-ARM II Shaft Mount Speed Reducers

TAPER BUSHED REDUCERS - TA6307H, SINGLE AND DOUBLE REDUCTION





REDUCER WITH BACKSTOP



FLANGE MOUNTING DIMENSIONS

EASY SELECTION	SELECTION	RELATED PRODUCTS	ENGINEERING/TECHNICAL
PAGE 9	PAGE 12	PAGE 123	PAGE 129

TORQUE-ARM II Shaft Mount Speed Reducers

TAPER BUSHED REDUCERS - TA6307H, SINGLE AND DOUBLE REDUCTION

TA6307H Taper Bushed Reducers (1) ■

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight lbs.
TA6307H05	**906004**	307S05	4.94	316.0
TA6307H09	**906003**	307D09	9.22	334.0
TA6307H15	**906002**	307D15	15.45	333.0
TA6307H25	**906001**	307D25	24.87	331.0
TA6307H40	**906000**	307D40	38.32	330.0

(1) Reducers are supplied from stock ready for vertical mounting and for flange mounting. Rod assembly is not included with reducer. Order as a separate part number.

■ See page 124 for Maximum Bore Straight Bore TA II Reducers

TA6307H Accessories

Description	Part Number	Weight lbs.
TA6307RA Rod Assembly (1)	**906109**	19.9
TA6307BS Backstop Assembly (2)	**906102**	11.1
TA6307BS 25:1 & 40:1 Backstop Assembly (2)	**906103**	11.1
TA6307MM Motor Mount Assembly (182-405T) (3)	**906090**	156.7
TA6307BG Belt Guard - Pos. B (182-405T)	**906096**	121.2
TA6307BG Belt Guard - Pos. C (182-405T) (4)	**906097**	129.4
TA6307CF Cooling Fan Assembly ●	**906106**	10.0
TA4-TA12 Vertical Breather Kit	**904112**	3.0
Filter Breather Kit	**430049**	0.2

(2) See page 129 for input shaft speed necessary for backstop sprag lift-off

(3) Motor Mount will fit NEMA and IEC frame motors; however hardware are inch dimensions

(4) Use this belt guard for TA II reducer in screw conveyor drive applications

● See page 122 for cooling fan dimensions

TA6307H Tapered Bushing Kits (5) (6)

Bushing Size Standard Shaft Bushing Kit	Part Number (7)	Weight lbs.	Shaft Keyseat Required (9) (10)	Bushing Size Short Shaft Bushing Kit (8)	Part Number	Weight lbs.	Shaft Keyseat Required (9) (10)
TA6307TB x 3-7/16 ▲	**906020**	16.7	7/8 x 7/16 x 10.82	TA6307TBS x 3-7/16	**906031**	16.5	7/8 x 7/16 x 6.72
TA6307TB x 3-3/16	**906021**	17.7	3/4 x 3/8 x 10.82	TA6307TBS x 3-3/16	**906032**	19.0	3/4 x 3/8 x 6.72
TA6307TB x 3	**906022**	19.1	3/4 x 3/8 x 10.82	TA6307TBS x 3	**906033**	20.9	3/4 x 3/8 x 6.72
TA6307TB x 2-15/16	**906023**	19.6	3/4 x 3/8 x 10.82	TA6307TBS x 2-15/16	**906034**	21.6	3/4 x 3/8 x 6.72
TA6307TB x 2-7/8	**906024**	20.1	3/4 x 3/8 x 10.82	TA6307TBS x 2-7/8	**906035**	22.3	3/4 x 3/8 x 6.72
TA6307TB x 2-11/16	**906025**	20.9	5/8 x 5/16 x 10.82	TA6307TBS x 2-11/16	**906036**	23.7	5/8 x 5/16 x 6.72
TA6307TB x 2-1/2	**906026**	22.1	5/8 x 5/16 x 10.82	TA6307TBS x 2-1/2	**906037**	25.3	5/8 x 5/16 x 6.72
TA6307TB x 2-7/16	**906027**	22.3	5/8 x 5/16 x 10.82	TA6307TBS x 2-7/16	**906038**	25.8	5/8 x 5/16 x 6.72
TA6307TB x 2-3/8	**906028**	22.7	5/8 x 5/16 x 10.82	TA6307TBS x 2-3/8	**906039**	26.3	5/8 x 5/16 x 6.72
TA6307TB x 2-1/4	**906029**	23.1	1/2 x 1/4 x 10.82	TA6307TBS x 2-1/4	**906040**	26.7	1/2 x 1/4 x 6.72
TA6307TB x 2-3/16	**906030**	23.3	1/2 x 1/4 x 10.82	TA6307TBS x 2-3/16	**906041**	27.5	1/2 x 1/4 x 6.72

▲ AGMA maximum bore size

(5) Bushing kit required to mount TA II reducer to driven shaft

(6) Bushing Kit is not required to mount TA II reducer on SCS Drive Shaft in a screw conveyor application

(7) Standard Shaft Bushing Kit includes two standard bushings with backup plates and snap rings; hardware and one key

(8) Short Shaft Bushing Kit includes one standard bushing; one long bushing with mounting wedge; two backup plates with snap rings; hardware and one key. This is an optional bushing for after market, short shaft mounting.

(9) Minimum keyseat and shaft length required to mount reducer with bushing kit

(10) Always check the driven shaft and key for strength