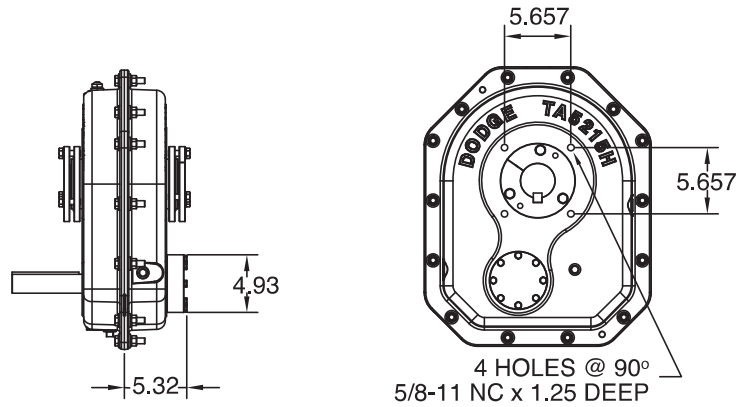
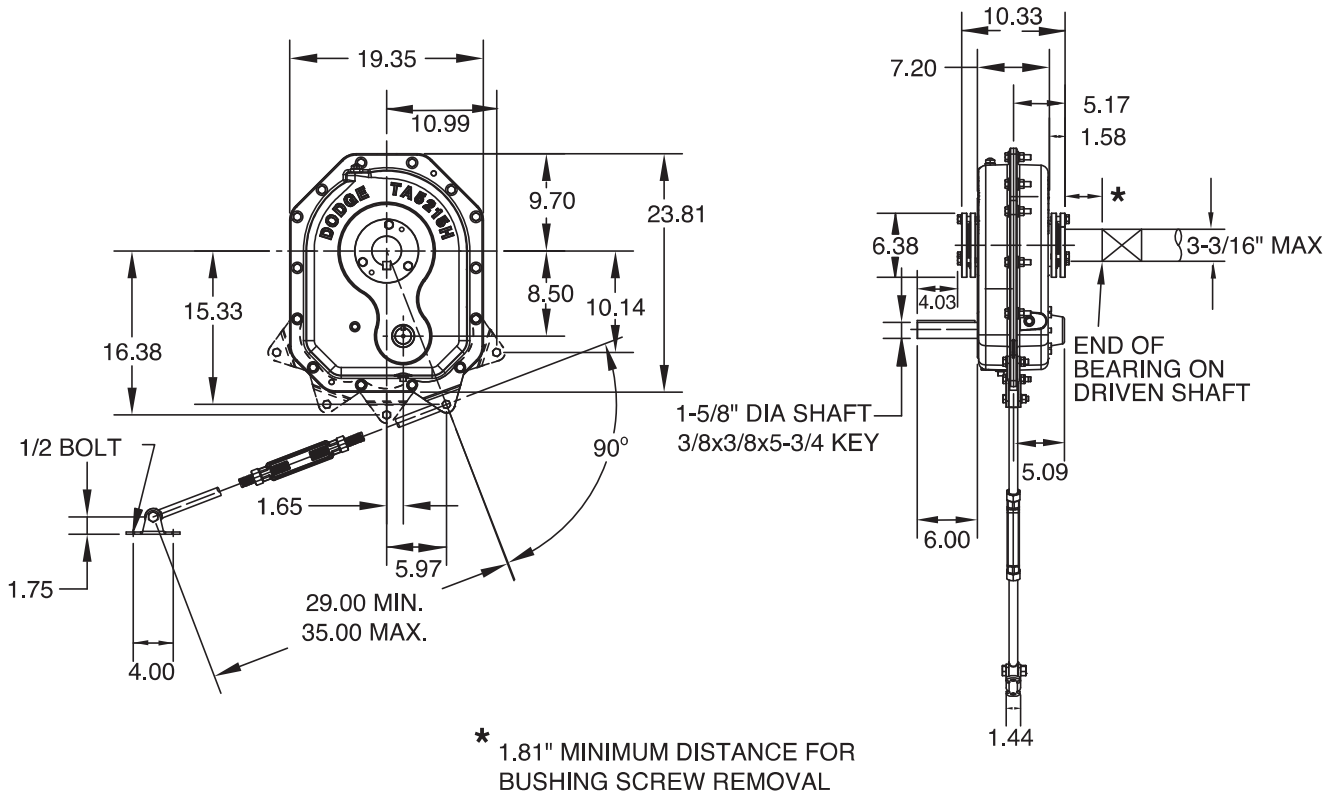




SELECTION/DIMENSIONS

Torque-Arm II Shaft Mount Speed Reducers Taper Bushed Reducers - TA5215H, Single And Double Reduction



REDUCER WITH BACKSTOP

FLANGE MOUNTING DIMENSIONS



SELECTION/DIMENSIONS

Torque-Arm II Shaft Mount Speed Reducers Taper Bushed Reducers - TA5215H, Single And Double Reduction

TA5215H Taper Bushed Reducers ⁽¹⁾ ■

Reducer Size	Part Number	AGMA Code	Actual Ratio	Weight lbs.
TA5215H05	905004	215S05	5.11	259.8
TA5215H09	905003	215D09	9.18	274.4
TA5215H15	905002	215D15	14.92	273.9
TA5215H25	905001	215D25	25.00	272.9
TA5215H40	905000	215D40	38.91	272.1

(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 G2-121 for Maximum Bore Straight Bore TA II Reducers

+ Rod Assembly mounting locations are limited to positions show in drawing.

TA5215H Accessories

Description	Part Number	Weight lbs.
TA5215RA Rod Assembly ⁽¹⁾ +	905109	11.0
TA5215BS Backstop Assembly (5, 9, 15, 25:1) ⁽²⁾	905102	8.3
TA521BS 40:1 Backstop Assembly ⁽²⁾	905103	8.3
TA5215MM Motor Mount Assembly (182-365T) ⁽³⁾	905090	124.8
TA5215BG Belt Guard - Pos. B (182-365T)	905096	101.5
TA5215BG Belt Guard - Pos. C (182-365T) ⁽⁴⁾	905097	105.5
TA5215BG Belt Guard - Pos. D (182-365T)	905099	105.0
TA5215CF Cooling Fan Assembly ●	905106	3.0
TA4-TA9 Hydra-Lock Dessicant Breather Kit HL1	964364	2.0
XT Enclosed Breather System, TA0-9	240050	2.0
TA4-TA12 Vertical Breather Kit	904112	2.0
TA5215H V-Ring Kit	905249	0.3
TA5215H Lube Kit	LUBEKITA5215	28.9

(2) See page G2-127 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 Position-C belt guard for TA II reducer in screw conveyor drive applications

● See page G2-118 for cooling fan dimensions

TA5215H Tapered Bushing Kits ⁽⁵⁾ ⁽⁶⁾

Bushing Size Standard Shaft Bushing Kit	Part Number (7)	Weight lbs.	Shaft Keyseat Required (9) (10)	Bushing Size	Part Number	Weight lbs.	Shaft Keyseat Required ⁽⁹⁾ ⁽¹⁰⁾
				Short Shaft Bushing Kit ⁽⁸⁾			
TA5215TB x 3-3/16	905020	13.7	3/4 x 3/8 x 10.34	-	-	-	-
TA5215TB x 3	905021	15.1	3/4 x 3/8 x 10.34	-	-	-	-
TA5215TB x 2-15/16 ▲	905022	15.6	3/4 x 3/8 x 10.34	TA5215TBS x 2-15/16	905033	16.2	3/4 x 3/8 x 6.36
TA5215TB x 2-7/8	905023	16.1	3/4 x 3/8 x 10.34	TA5215TBS x 2-7/8	905034	16.9	3/4 x 3/8 x 6.36
TA5215TB x 2-11/16	905024	16.7	5/8 x 5/16 x 10.34	TA5215TBS x 2-11/16	905035	18.1	5/8 x 5/16 x 6.36
TA5215TB x 2-1/2	905025	17.9	5/8 x 5/16 x 10.34	TA5215TBS x 2-1/2	905036	19.7	5/8 x 5/16 x 6.36
TA5215TB x 2-7/16	905026	18.1	5/8 x 5/16 x 10.34	TA5215TBS x 2-7/16	905037	20.1	5/8 x 5/16 x 6.36
TA5215TB x 2-3/8	905027	18.3	5/8 x 5/16 x 10.34	TA5215TBS x 2-3/8	905038	20.5	5/8 x 5/16 x 6.36
TA5215TB x 2-1/4	905028	18.9	1/2 x 1/4 x 10.34	TA5215TBS x 2-1/4	905039	21.4	1/2 x 1/4 x 6.36
TA5215TB x 2-3/16	905029	19.1	1/2 x 1/4 x 10.34	TA5215TBS x 2-3/16	905040	21.8	1/2 x 1/4 x 6.36
TA5215TB x 2-1/8	905030	19.3	1/2 x 1/4 x 10.34	TA5215TBS x 2-1/8	905041	22.2	1/2 x 1/4 x 6.36
TA5215TB x 2	905031	19.9	1/2 x 1/4 x 10.34	TA5215TBS x 2	905042	23.0	1/2 x 1/4 x 6.36
TA5215TB x 1-15/16	905032	20.1	1/2 x 1/4 x 10.34	TA5215TBS x 1-15/16	905043	23.4	1/2 x 1/4 x 6.36

▲ 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 back-up plates and snap rings; hardware, and key.

(8) Short Shaft Bushing Kit includes one standard bushing, one long bushing with insertable wedge; two back-up plates with snap rings; hardware and 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

Bushing Covers

Reducer Size	Description	Part Number	Weight
TA5215H	ABS Polymer Closed ⁽¹²⁾	905142	1.5
TA5215H	ABS Polymer Split ⁽¹²⁾	905143	1.3
Reducer Size	Description	Part Number	Weight
TA5215H	Aluminum Closed ⁽¹³⁾	905114	1.3
TA5215H	Aluminum Split ⁽¹³⁾	905115	1.3

Closed bushing covers may not be compatible with belt guards or large sheave installations

Split bushing covers are designed for use on "driven machine" side of reducer with shaft through

(12) ABS Polymer covers are designed with bolts for tapped reducers, non tapped reducers will require self tapping screws and customer modification of reducer

(13) Aluminum covers are designed with bolts for non tapped reducers and will require the use of self tapping screws and customer modification of reducer