

Axi-dyne® B3B/M3B Belt Drives

ORDERING



RODLESS

B3B/M3B Series

• Ordering

BASE MODEL SPECIFICATIONS

B3BD 20 BWN15 SK56 SDTR

MODEL TYPE

B3B B3B Series English Belt Drive
B3BD B3B Series English Belt Drive with Dual 180° Carrier
M3B B3B Series Metric Belt Drive
M3BD B3B Series Metric Belt Drive with Dual 180° Carrier

TUBE BORE DIAMETER

10 1-inch (25 mm) bore
15 1 1/2-inch (40 mm) bore
20 2-inch (50 mm) bore

BELT MATERIAL AND WIDTH

BWN05 1/2-inch Neoprene/Fiberglass belt (B3B10)
BWN10 1-inch Neoprene/Fiberglass belt (B3B15)
BWN15 1.18-inch Neoprene/Fiberglass belt (B3B20)

STROKE LENGTH

SK Stroke, then enter desired stroke length in decimal inches

MOTOR MOUNTING / REDUCTIONS

(must choose one)

SDL, SDLB* Direct Drive on left
SDR, SDRB* Direct Drive on right

⚠ A motor size and code must be selected when specifying a 3:1 reduction. Reference the ordering pages in sections F, G and H for the motor types and selections.

SDTL, SDTLB* 3:1 Reduction on top left
SDTR, SDTRB* 3:1 Reduction on top right
SDBL, SDBLB* 3:1 Reduction on bottom left
SDBR, SDBRB* 3:1 Reduction on bottom right
**For Dual Stub Shaft option*

AUXILIARY CARRIER

DC_ Auxiliary Carrier, then center-to-center spacing desired in decimal inches. (Center-to-Center spacing will add to overall dead length and will not subtract from the stroke length)

OPTIONS SPECIFICATIONS

DC18 TS2 BM2 TN16

SUPPORTS AND MOUNTING PLATES

(both may be selected)

TS_ Tube Supports plus quantity desired
MP_ Mounting Plates plus quantity desired

SWITCHES

RM_ Reed Switch (Form A) with 5-meter lead/QD, and quantity desired
RT_ Reed Switch (Form A) with 5-meter lead, and quantity desired
BM_ Reed Switch (Form C) with 5-meter lead/QD, and quantity desired
BT_ Reed Switch (Form C) with 5-meter lead, and quantity desired
KM_ Hall-effect Sinking Switch with 5-meter lead/QD, and quantity desired
KT_ Hall-effect Sinking Switch with 5-meter lead, and quantity desired
TM_ Hall-effect Sourcing Switch with 5-meter lead/QD, and quantity desired
TT_ Hall-effect Sourcing Switch with 5-meter lead, and quantity desired
CM_ TRIAC Switch with 5-meter lead/QD, and quantity desired
CT_ TRIAC Switch with 5-meter lead, and quantity desired

T-NUTS

TN_ Additional T-Nuts and quantity

TO ORDER MOTORS/CONTROLS/INTERFACES

BRUSHLESS SERVO (SEE PAGE F-33)

MICROSTEPPING (SEE PAGE G-23)

BRUSHED DC (SEE PAGE H-26)

⚠ Not all codes listed are compatible with all options.

Use the Tol-O-Motion™ Sizing Software to determine available options and accessories based on your application requirements.

FIELD RETROFIT KITS

ITEM	B3B10	B3B15	B3B20	M3B10	M3B15	M3B20
Tube Supports	3410-9006	3415-90096	3420-9006	4410-9006	4415-9006	4420-9006
Tube Supports (B3BD Dual 180° models)	3410-9170	3415-9170	3420-9170	4410-9170	4415-9170	4420-9170
1/2" Mounting Plates (MRB/MRS/MRV 23-frame motors)	3410-9056	3415-9056	—	3410-9056	3415-9056	—
1/2" Mounting Plates (MRB/MRS/MRV all frame motors)	—	—	3420-9056	—	—	3420-9056
1" Mounting Plates (MRB/MRS 23-frame; MRV all frame motors)	3410-9057	—	—	3410-9057	—	—
1" Mounting Plates (MRB/MRS/MRV 34-frame motors)	—	3415-9057	—	—	3415-9057	—