



Axi dyne® B3B/M3B20 Series

BELT LOAD AND SPEED

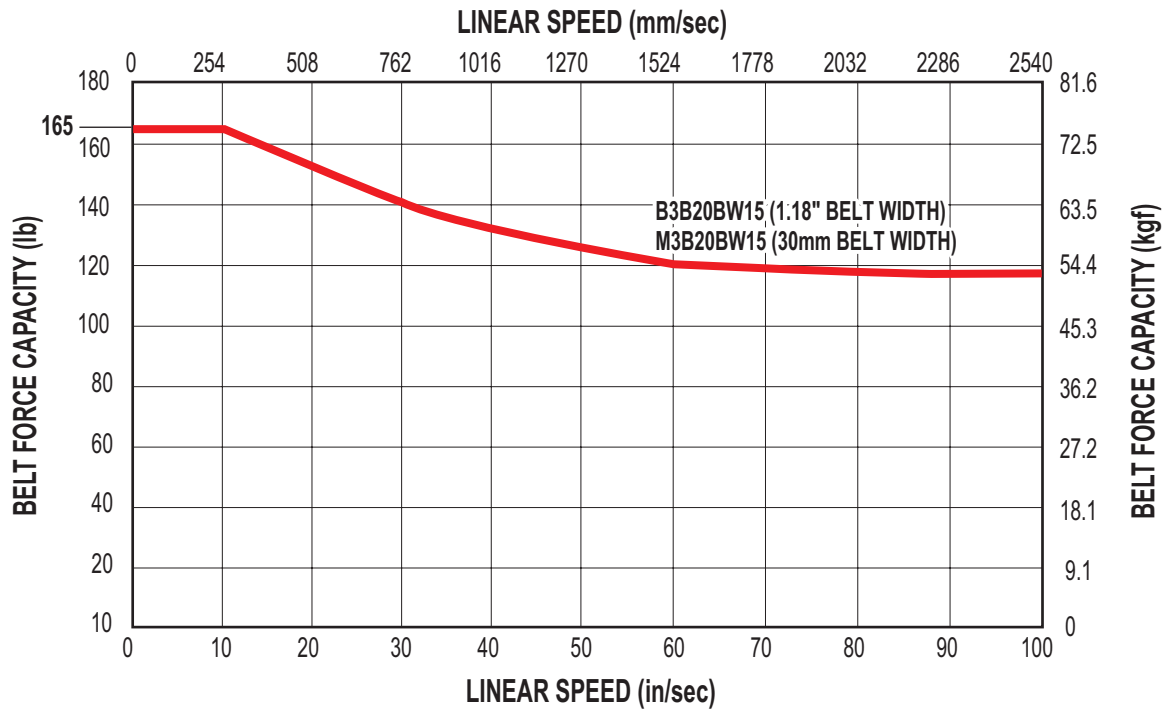
B3B/M3B20 BELT LOAD



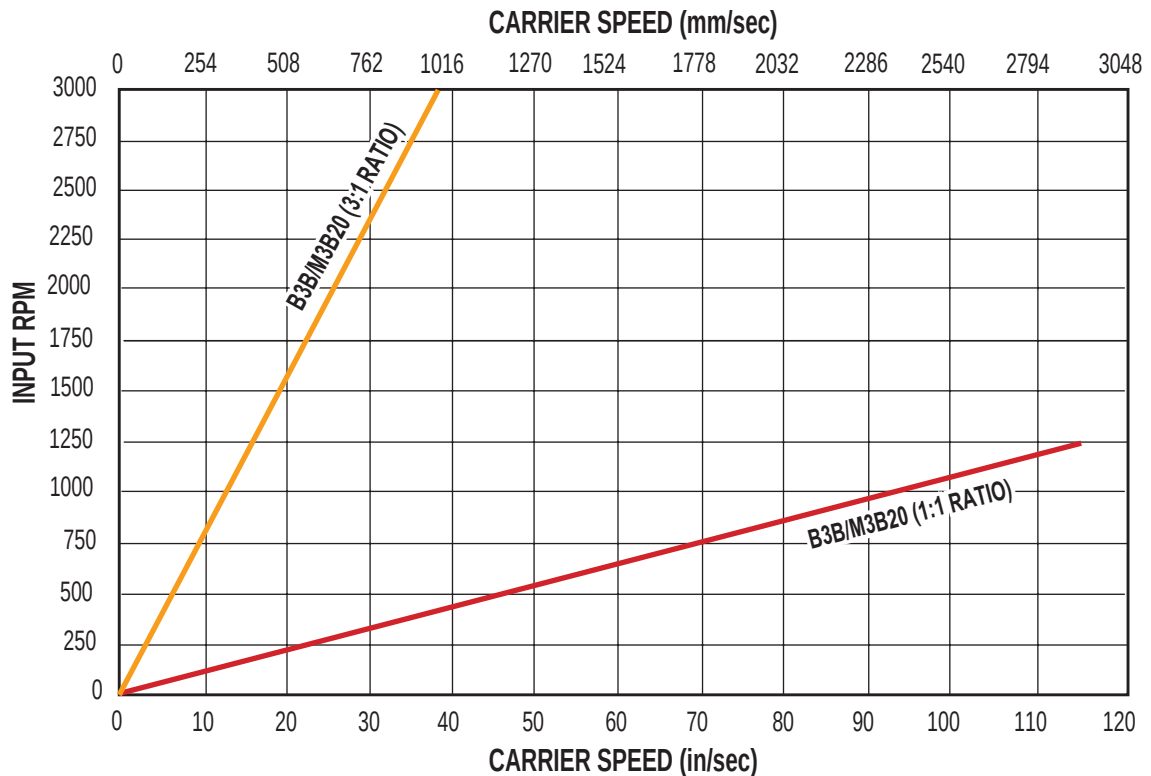
RODLESS

B3B/M3B20 Series

- Belt load
- Belt speed



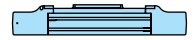
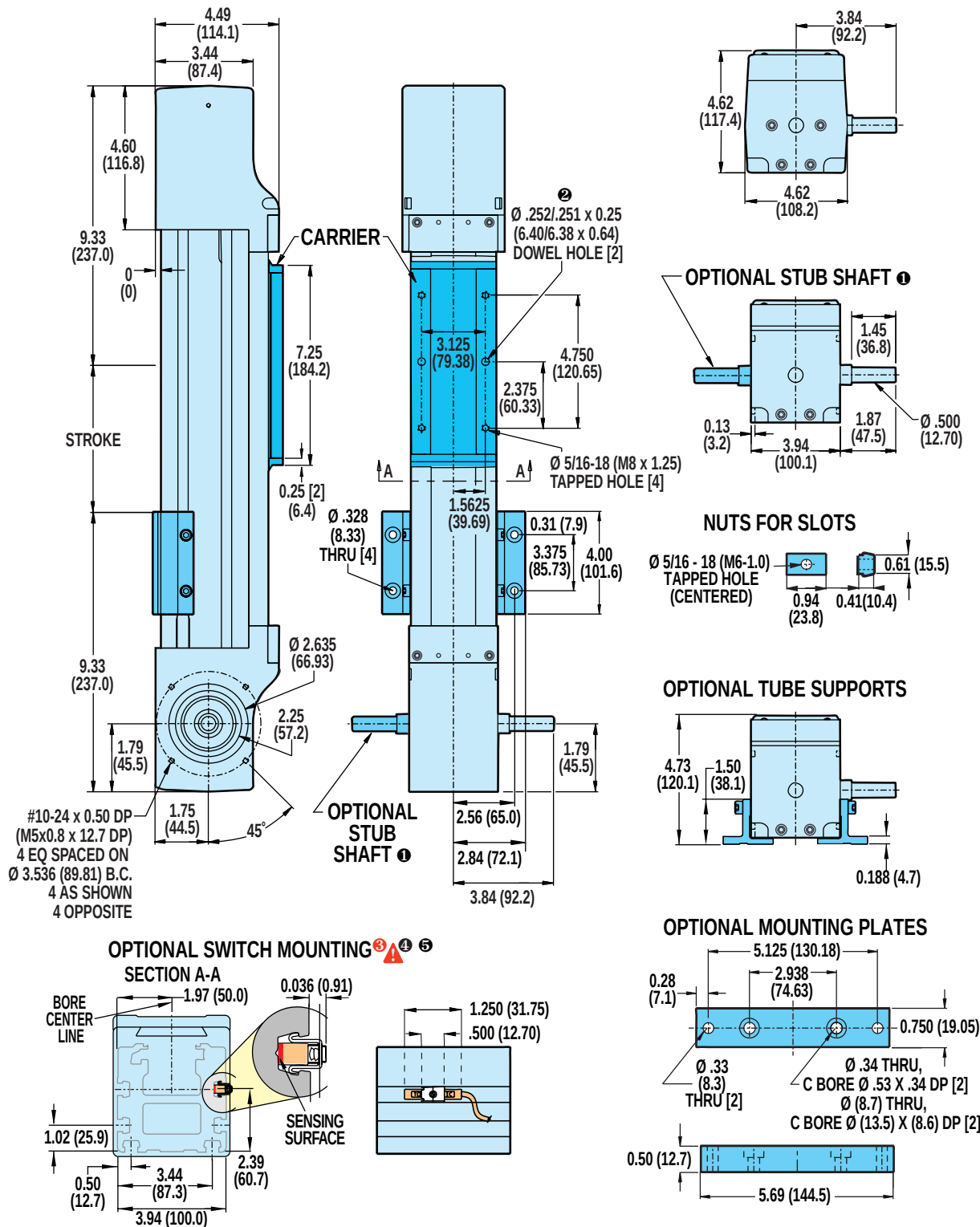
B3B/M3B20 BELT SPEED



Axi-dyne® B3B/M3B20 Series

DIMENSIONS

B3B/M3B20 ACTUATOR AND OPTIONS



RODLESS

B3B/M3B20 Series

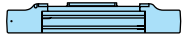
- Actuator and option dimensions

Unless otherwise noted, all dimensions shown are in inches (Dimensions in parenthesis are in millimeters)

Axi dyne® B3B/M3B20 Series

DIMENSIONS

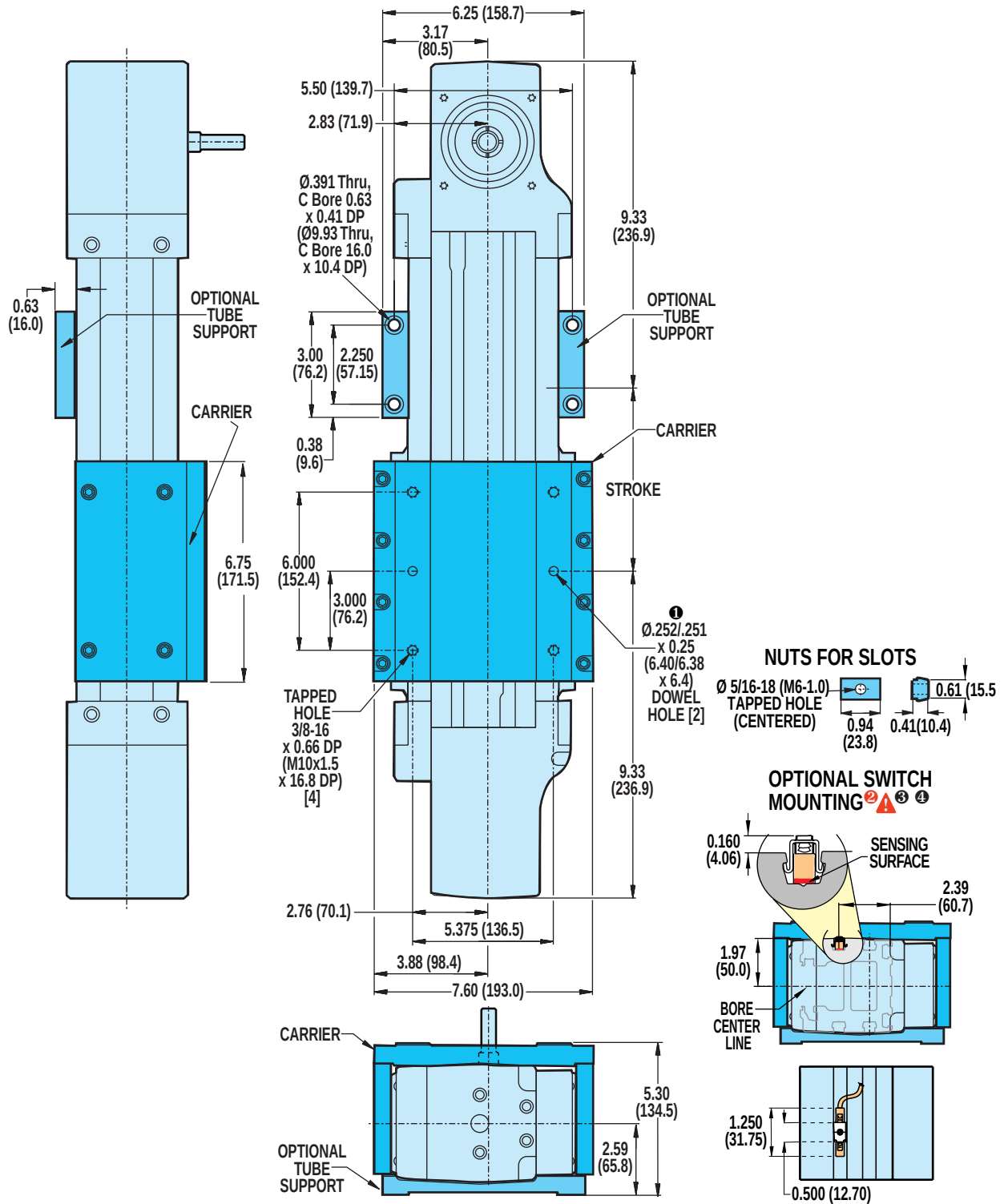
B3BD/M3BD20 DUAL 180° OPTION



RODLESS

B3B/M3B20 Series

- Dual 180° carrier option dimensions



1 DOWEL PINS $\pm .003$ (08mm) (M)

2 CAUTION: DO NOT OVERTIGHTEN SWITCH HARDWARE WHEN INSTALLING

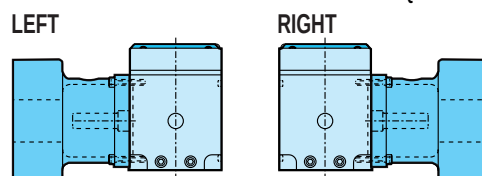
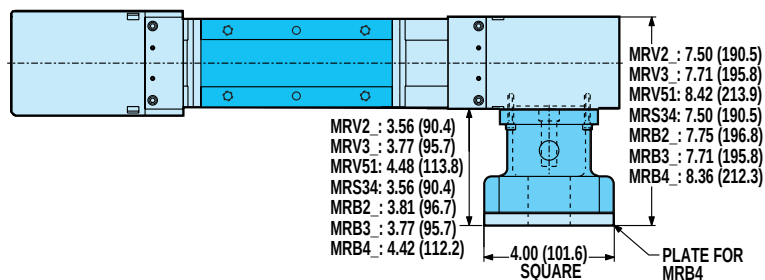
3 NOTE: The scored face of the switch indicates the sensing surface and must face toward the magnet

4 NOTE: Some actuators require switch mounting on a specific side of the actuator. Call Tol-O-Matic 1-800-328-2174 for details

Axi dyne® B3B/M3B20 Series

DIMENSIONS

B3BD/M3BD20 DIRECT DRIVE MOTOR MOUNTING

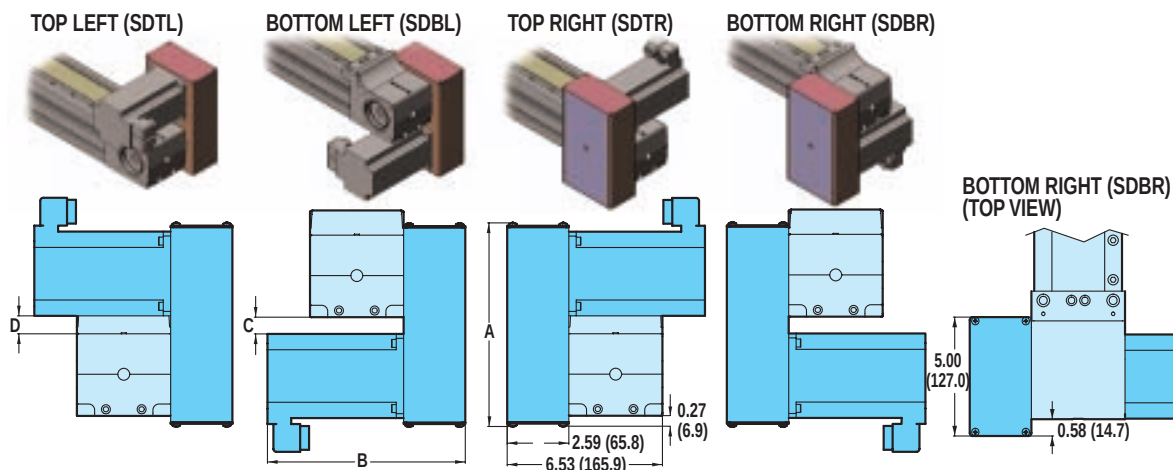


RODLESS

B3B/M3B20 Series

- Direct drive motor mounting
- Reduction drive motor mounting

B3BD/M3BD20 REDUCTION DRIVE MOTOR MOUNTING



DIMENSIONS

	MOTOR	A		B		C		D	
		in.	mm	in.	mm	in.	mm	in.	mm
BRUSHLESS	MRV21	7.98	202.6	7.34	186.4	1.35	34.3	1.30	33.0
	MRV22	7.98	202.6	8.34	211.8	1.35	34.3	1.30	33.0
	MRV23	7.98	202.6	9.34	237.2	1.35	34.3	1.30	33.0
	MRV24	7.98	202.6	10.34	262.6	1.35	34.3	1.30	33.0
	MRV31	8.49	215.6	8.70	221.0	0.70	17.9	0.70	16.6
	MRV32	8.49	215.6	9.95	252.7	0.70	17.9	0.70	16.6
	MRV33	8.49	215.6	11.20	284.5	0.70	17.9	0.70	16.6
	MRV51	11.66	296.1	12.55	318.8	2.35	59.6	2.35	58.3
STEPPER	MRS342	8.49	215.6	6.35	161.3	0.79	20.0	0.79	18.7
	MRS343	8.49	215.6	7.65	194.3	0.79	20.0	0.79	18.7
BRUSHED	MRB21	7.98	202.6	8.92	226.6	1.35	34.3	1.35	33.0
	MRB31	8.49	215.6	7.66	194.6	0.84	21.4	0.84	20.2
	MRB32	8.49	215.6	10.31	261.9	0.84	21.4	0.84	20.2
	MRB41	8.85	224.8	13.22	335.8	0.47	12.0	0.47	10.8
	MRB42	8.85	224.8	14.22	361.2	0.47	12.0	0.47	10.8

SPECIFICATIONS

	MOTOR	WEIGHT OF REDUCTION DRIVE		REDUCTION INERTIA AT MOTOR SHAFT	
		lb	kg	lb-in ²	kg-m ² x 10 ⁻⁴
BRUSHLESS	MRV21, 22, 23, 24	3.40	1.54	0.229	66.98
	MRV31, 32, 33	3.92	1.78	0.229	66.98
	MRV51	4.78	2.17	0.226	66.11
STEPPER	MRS342, 343	3.84	1.76	0.199	58.20
BRUSHED	MRB21	3.33	1.51	0.208	60.84
	MRB31, 32	3.92	1.78	0.229	66.98
	MRB41, 42	4.62	2.10	0.226	66.11

3:1 REDUCTION EFFICIENCY: 0.95