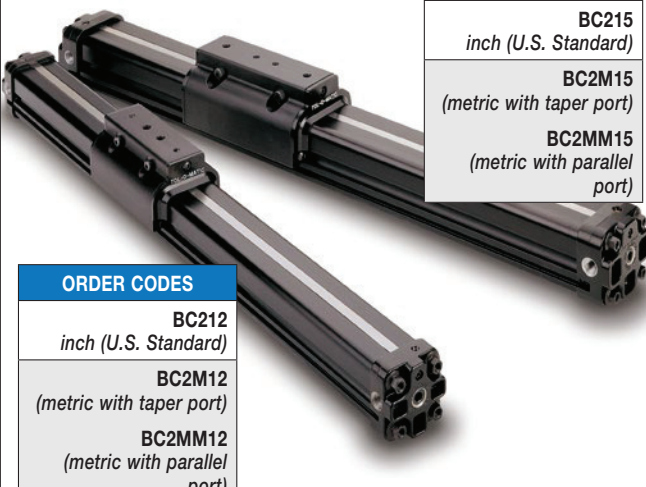


BC212 & BC215 Solid Bearing Rodless Cylinder

PERFORMANCE

BC212
BC215



ORDER CODES	
BC215	inch (U.S. Standard)
BC2M15	(metric with taper port)
BC2MM15	(metric with parallel port)

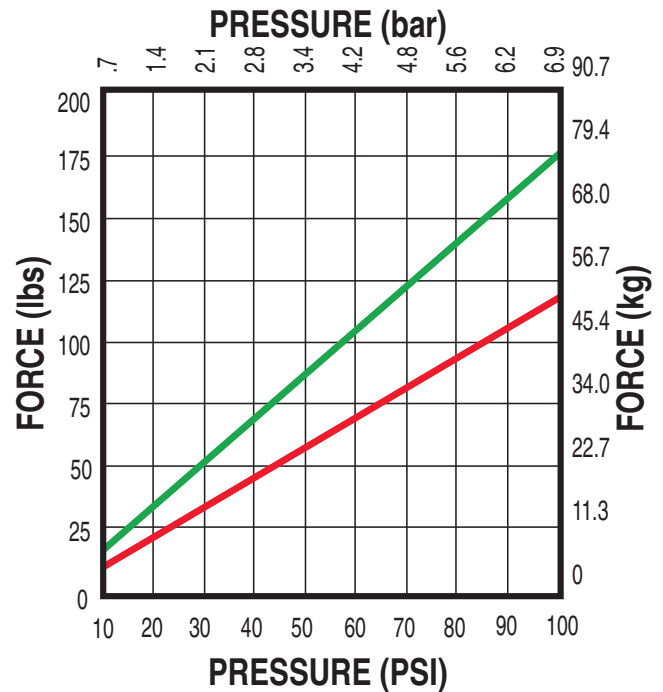
ORDER CODES	
BC212	inch (U.S. Standard)
BC2M12	(metric with taper port)
BC2MM12	(metric with parallel port)

BC212 & BC215 OPTIONS	
Auxiliary Carrier	BC2_14
Floating Mount	BC2_18
Foot Mount	BC2_17
Shock Absorbers	BC2_22
Switches	BC2_20
Tube Supports	BC2_16

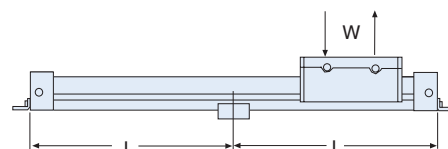
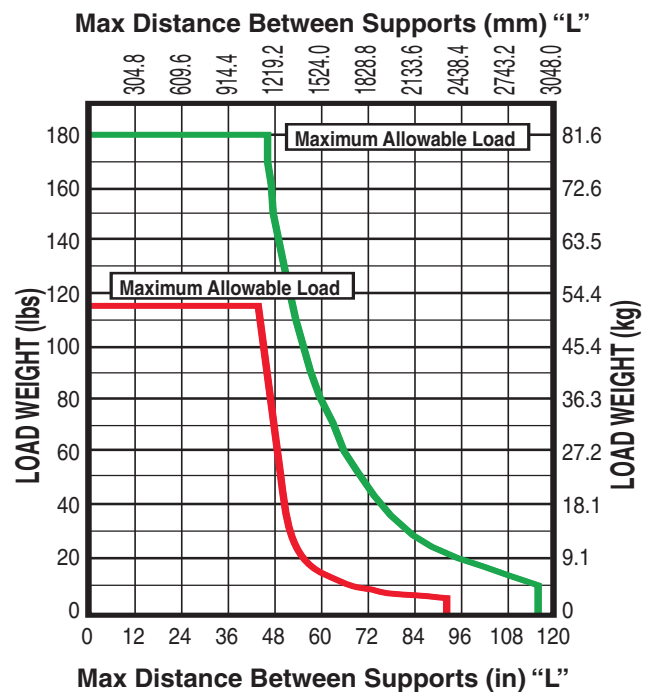
MORE INFORMATION	
Application Guidelines	BC2_26
Ordering	BC2_28
Selection	BC2_25

Page	
Auxiliary Carrier	BC2_14
Floating Mount	BC2_18
Foot Mount	BC2_17
Shock Absorbers	BC2_22
Switches	BC2_20
Tube Supports	BC2_16

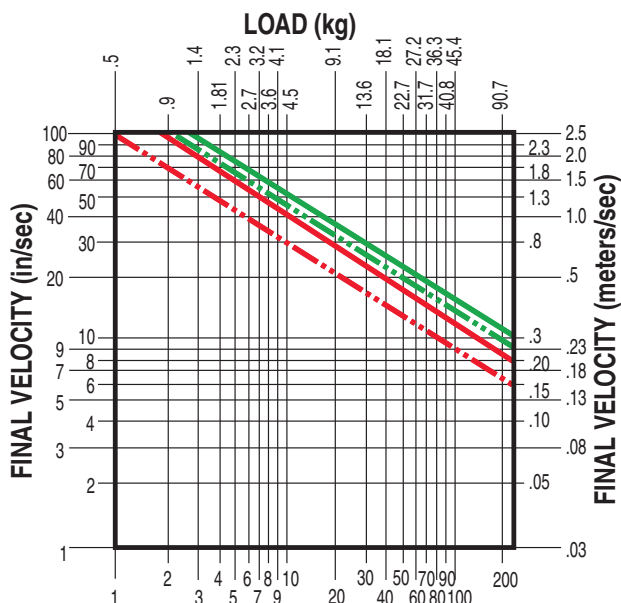
THEORETICAL FORCE vs PRESSURE



TUBE SUPPORT REQUIREMENTS



CUSHION DATA

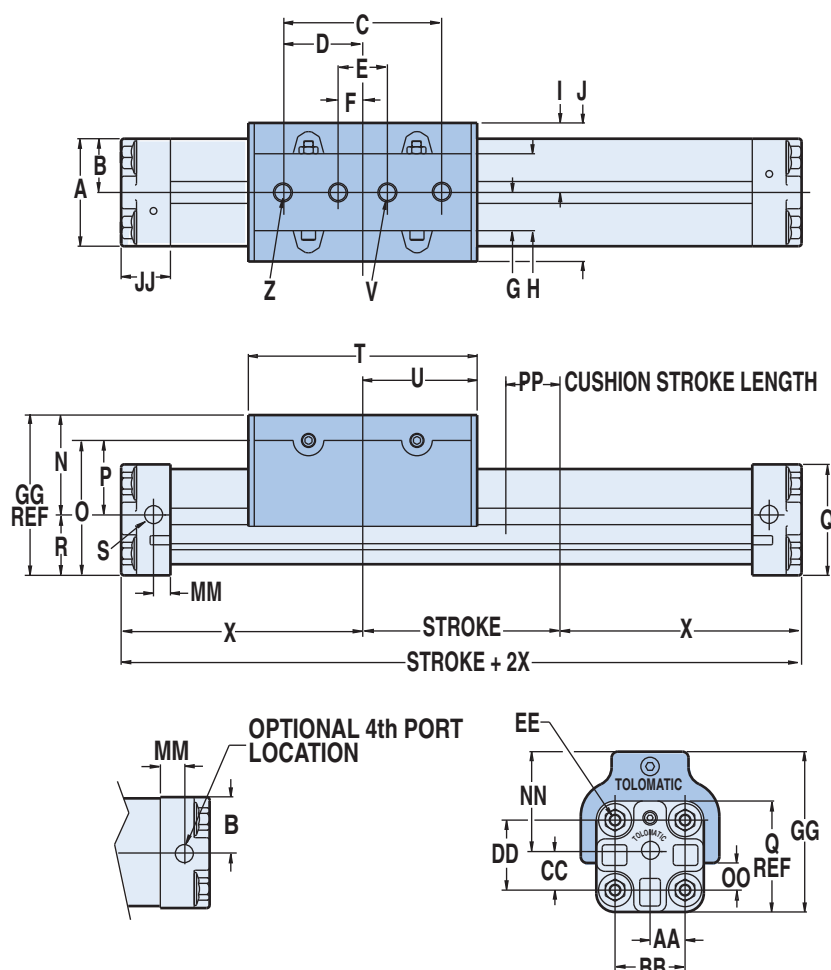


NOTE:

- Max. for any application
- Max. for continuously cycled application

BC212 & BC215 Solid Bearing Rodless Cylinder

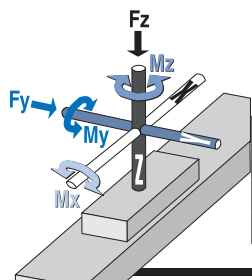
DIMENSIONS



	12	15	M(MM)12	M(MM)15
A	2.18	2.85	55.4	72.4
B	1.09	1.42	27.7	36.1
C	3.20	4.25	81.3	108.0
D	1.60	2.12	40.6	53.8
E	1.00	1.00	25.4	25.4
F	0.50	0.50	12.7	12.7
G	0.78	0.90	19.8	22.9
H	1.56	1.80	39.6	45.7
I	1.41	1.75	35.8	44.5
J	2.82	3.50	71.6	89.0
N	1.83	2.13	46.5	54.1
O	2.48	2.95	63.0	74.9
P	1.25	1.51	31.0	38.4
Q	2.25	2.59	57.2	65.8
R	1.23	1.41	31.2	36.6
S	1/4 NPT (3)	1/4 NPT (3)	M 1/4 BSPT(3) MM 1/4 BSPP(3)	M 1/4 BSPT(3) MM 1/4 BSPP(3)
T	4.64	5.91	117.9	150.1
U	2.32	2.96	58.9	75.1
V	5/16-18 UNC x .31 DP	1/4-20 UNC x .38 DP	M8 x 7 DP	M8 x 10 DP
X	4.87	5.91	123.7	150.1
Z	1/4-20 UNC x .31 DP	5/16-18 UNC x .38 DP	M8 x 7 DP	M8 x 10 DP
AA	0.71	0.91	18.0	23.1
BB	1.42	1.81	36.1	46.0
CC	0.78	1.03	19.8	26.2
DD	1.42	1.81	36.1	46.0
EE	1/4-20 x .47 DP	1/4-20 x .47 DP	M6 x 12 DP	M6 x 12 DP
GG	3.06	3.54	77.7	90.7
JJ	1.00	1.25	25.4	31.8
MM	0.34	0.50	8.6	12.7
NN	1.83	2.13	46.5	54.1
OO	0.35	0.28	9.0	7.0
PP	1.10	1.29	27.9	32.7
INCHES			MILLIMETERS	

SPECIFICATIONS

BC212/15 BENDING MOMENTS AND LOAD



	BORE SIZE	MAX. BENDING MOMENT			MAX. LOAD
		My	Mx	Mz	Fz
12	1.25 in	290 in-lbs	75 in-lbs	130 in-lbs	120 lbs
15	1.50 in	500 in-lbs	275 in-lbs	200 in-lbs	180 lbs
M(MM)12	32 mm	32.77 N-m	8.47 N-m	14.69 N-m	54.42 kg
M(MM)15	40 mm	56.49 N-m	31.07 N-m	22.60 N-m	81.63 kg

	BORE SIZE	WEIGHT		MAX. STROKE LENGTH*	MAX. PRESSURE	TEMPERATURE RANGE
		BASE	PER UNIT OF STROKE			
12	1.25 in	4.56 lbs	0.21 lbs/in	288 in	100 PSI	20° to 140° F
15	1.50 in	8.18 lbs	0.34 lbs/in	298 in	100 PSI	20° to 140° F
M(MM)12	32 mm	2.068 kg	0.0036 kg/mm	7315 mm	6.895 bar	-7° to 60° C
M(MM)15	40 mm	3.7 kg	0.0058 kg/mm	7569 mm	6.895 bar	-7° to 60° C

*For longer strokes, alternate materials, mounting and/or fasteners – consult Tolomatic