

BC210 Solid Bearing Rodless Cylinder

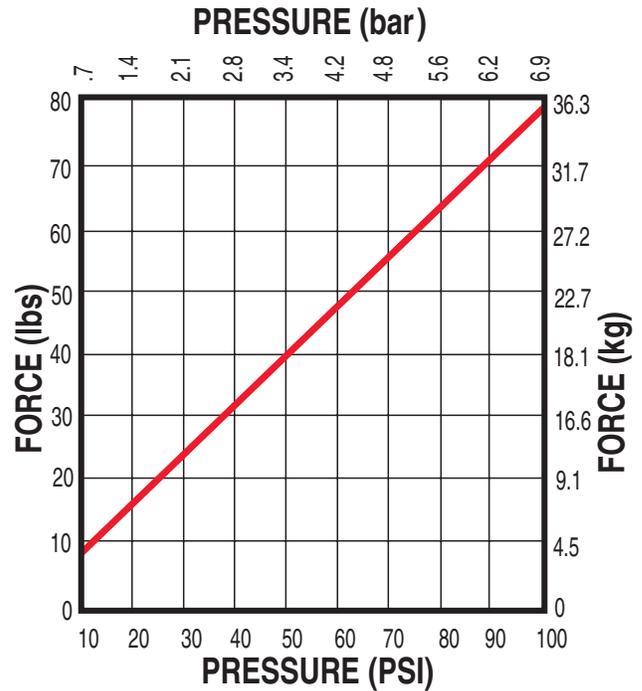
PERFORMANCE

BC210

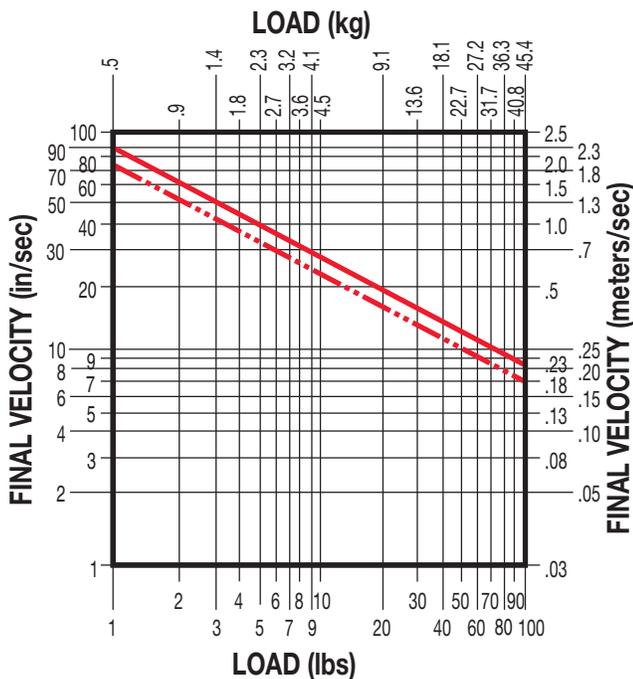


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THEORETICAL FORCE vs PRESSURE

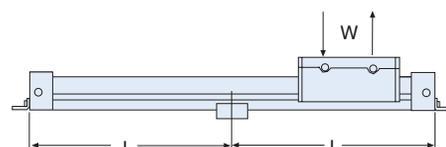
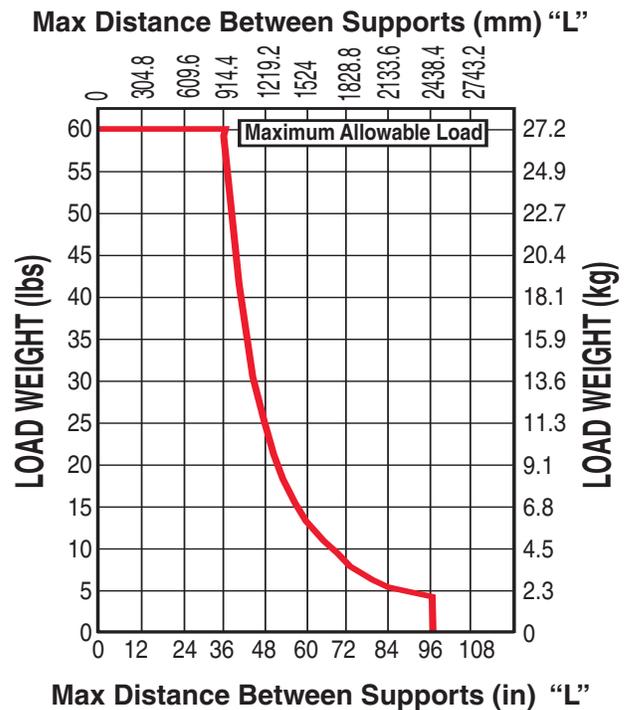


CUSHION DATA



NOTE:
— Max. for any application
- - - Max. for continuously cycled application

TUBE SUPPORT REQUIREMENTS



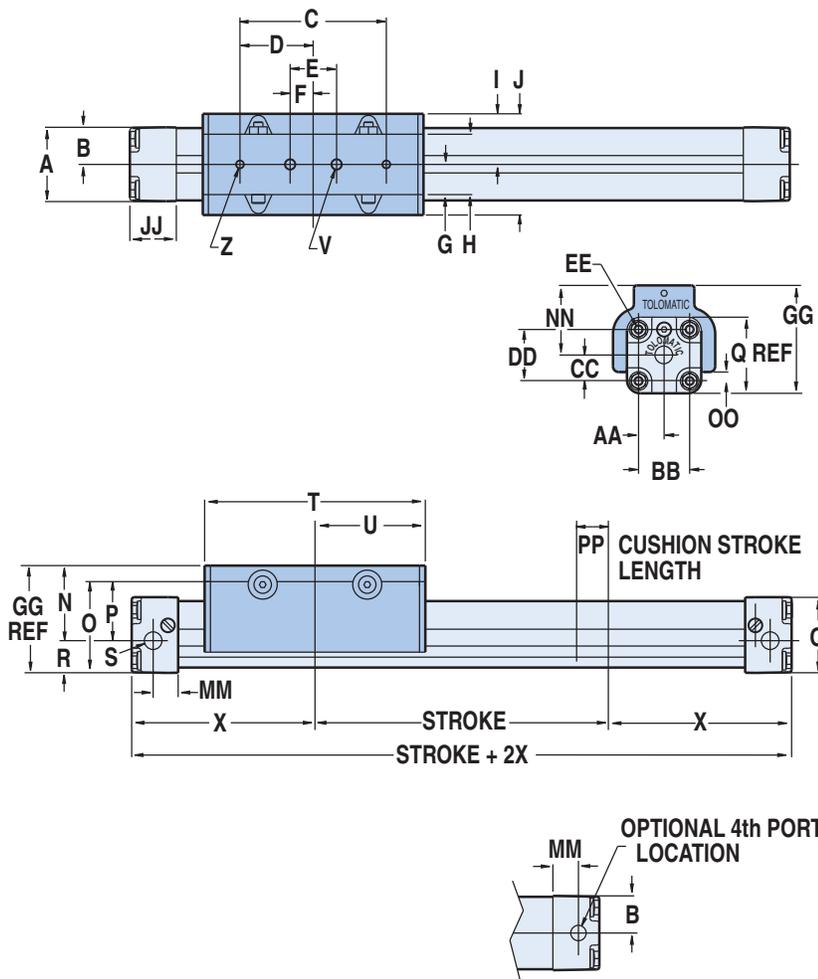
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3D CAD available at
www.tolomatic.com



Always use configured CAD solid model
to determine critical dimensions

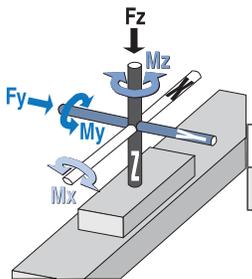
DIMENSIONS



	U.S. Standard	Metric
A	1.58	40.1
B	0.79	20.1
C	3.15	80.0
D	1.57	40.0
E	1.00	25.4
F	0.50	12.7
G	0.65	16.5
H	1.30	33.0
I	1.09	27.7
J	2.18	55.4
N	1.62	41.2
O	1.88	47.7
P	1.20	30.5
Q	1.64	41.5
R	0.68	17.3
S	1/8 NPT (3)	TP 1/8 BSPT(3) GP 1/8 BSPP(3)
T	4.75	120.7
U	2.37	60.2
V	1/4-20 UNC X .25 DEEP	M6 X 6 DEEP
X	3.94	100.1
Z	10-32 UNC X .25 DEEP	M6 X 6 DEEP
AA	0.55	14.0
BB	1.10	27.9
CC	0.55	14.0
DD	1.10	27.9
EE	10-24 X .43 DEEP	M5 X 11.0 DEEP
GG	2.30	58.4
JJ	1.00	25.4
MM	0.55	14.0
NN	1.50	38.1
OO	0.18	4.7
PP	0.68	17.3
	INCHES	MILLIMETERS

SPECIFICATIONS

BC210 BENDING MOMENTS AND LOAD



	BORE SIZE	MAX. BENDING MOMENT			MAX. LOAD
		My	Mx	Mz	Fz
U.S.	1.00 in	100 in-lbs	55 in-lbs	30 in-lbs	60 lbs
Metric	25 mm	11.29 N-m	6.21 N-m	3.39 N-m	27.21 kg

	BORE SIZE	WEIGHT		MAX. STROKE LENGTH*	MAX. PRESSURE	TEMPERATURE RANGE
		BASE	PER UNIT OF STROKE			
U.S.	1.00 in	2.26 lbs	0.14 lbs/in	350 in	100 PSI	20° to 140° F
Metric	25 mm	1.025 kg	0.0024 kg/mm	8890 mm	6.895 bar	-7° to 60° C

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