

BC205

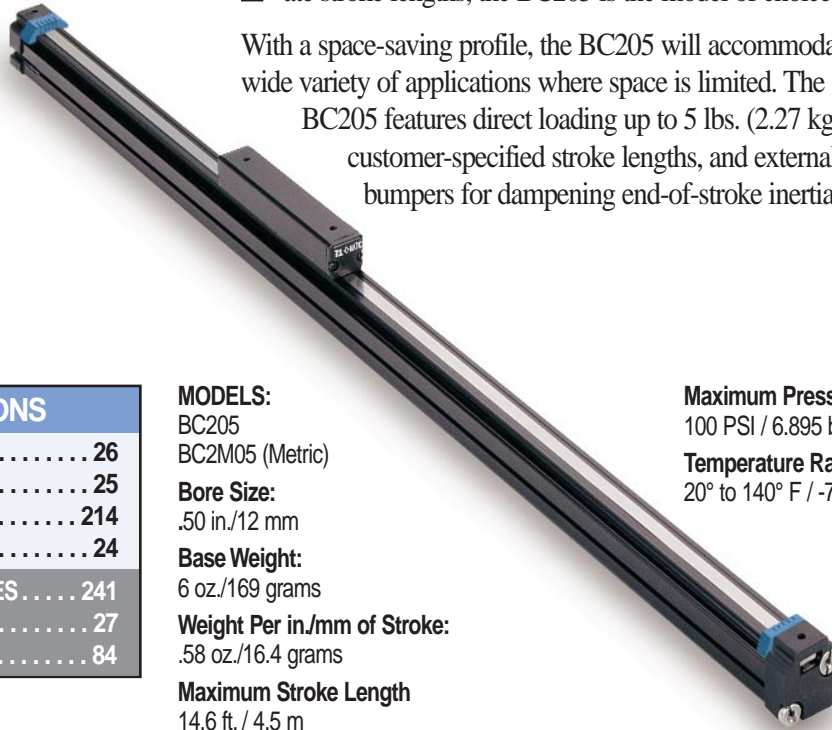
HOUSEN 

电话: 0592-6054592
Email: 13779968079@139.com

厦门吴盛工贸有限公司

For applications involving light loads and short to moderate stroke lengths, the BC205 is the model of choice.

With a space-saving profile, the BC205 will accommodate a wide variety of applications where space is limited. The BC205 features direct loading up to 5 lbs. (2.27 kg.), customer-specified stroke lengths, and external bumpers for dampening end-of-stroke inertia.



BC2 BAND CYLINDER

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MODELS:
BC205
BC2M05 (Metric)

Bore Size:
.50 in./12 mm

Base Weight:
6 oz./169 grams

Weight Per in./mm of Stroke:
.58 oz./16.4 grams

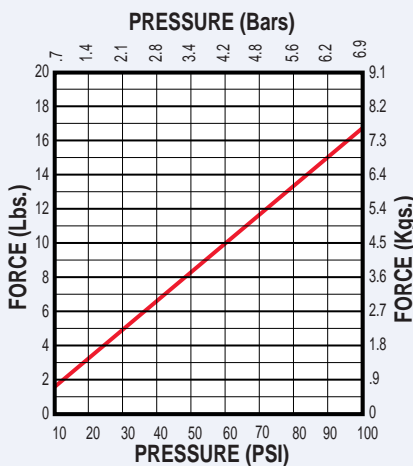
Maximum Stroke Length
14.6 ft. / 4.5 m

(For longer stroke lengths, please consult the factory)

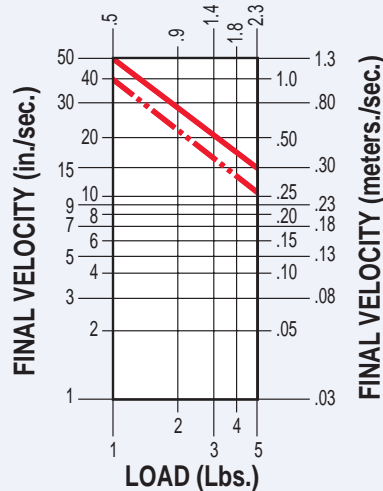
Maximum Pressure
100 PSI / 6.895 bar
Temperature Range
20° to 140° F / -7° to 60° C

PERFORMANCE DATA

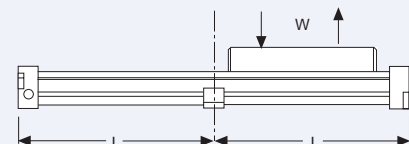
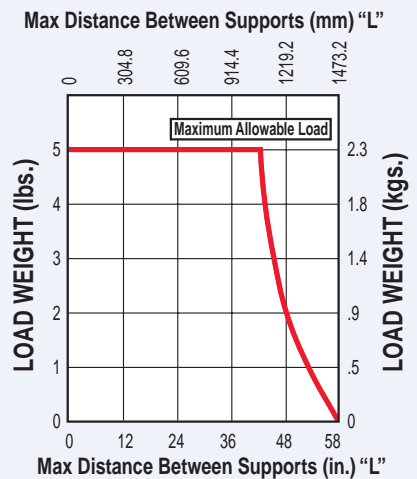
THEORETICAL FORCE VS. PRESSURE



BUMPER DAMPENING
LOAD (Kgs.)

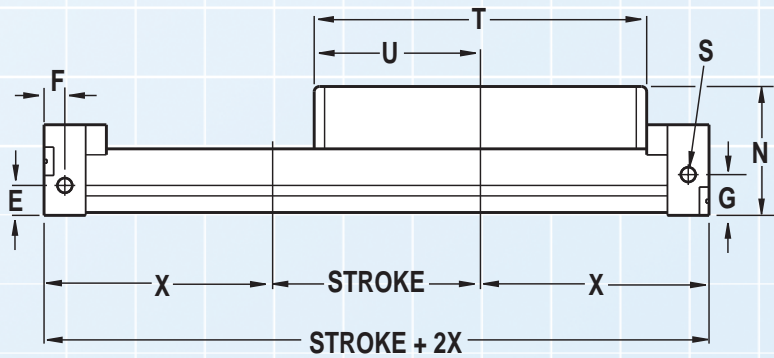
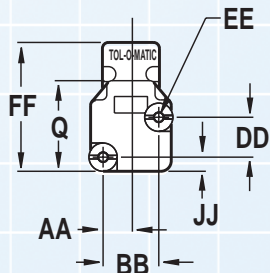
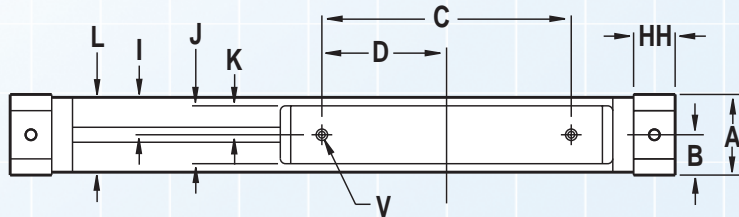
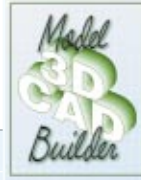


TUBE SUPPORT REQUIREMENTS



DIMENSIONAL DATA

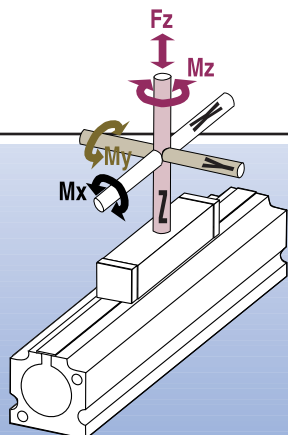
(30.7mm)
(5.8mm) 10-24 UNC



	MODELS	
	BC205	BC2M05
A	.97	24.6
B	.48	12.3
C	3.00	76.2
D	1.50	38.1
E	.36	9.1
F	.25	6.35
G	.49	12.4
I	.45	11.45
J	.70	17.8
K	.35	8.9
L	.90	22.9
N	1.55	39.4
Q	1.09	27.7
S	#10-32UNF	M5
T	4.00	101.6
U	2.00	50.8
V	2x #6-32 UNC x .38 DEEP	M3 x 9.7 DEEP
X*	2.60 @ 80-100 PSI 2.66 @ 40-80 PSI 2.71 @ 0-40 PSI	66.0 @ 80-100 PSI 67.6 @ 40-80 PSI 68.8 @ 0-40 PSI
AA	.33	8.4
BB	.66	16.8
DD	.48	12.2
EE	4x #6-32UNC x .25 DEEP	M3 x 6.4 DEEP
FF	1.55	39.4
HH	.50	12.7
JJ	.17	4.3
	INCHES	MILLIMETERS

*Bumpers compressed at end of stroke.

NOTE: To determine overall length of unit add 5.42" (137.7mm) to stroke length.



BENDING MOMENTS

MODEL NO.	BORE SIZE	MAXIMUM BENDING MOMENT			MAX. LOAD
		My	Mx	Mz	Fz
BC205	.50 in.	9.0 in.-lbs.	2.0 in.-lbs.	3.0 in.-lbs.	5.0 lbs.
BC2M05	12 mm	1.01 N-m	0.22 N-m	0.33 N-m	2.27 kgs.