



# ITT

Koni  
Enidine

## PRO Long Stroke Series SHOCK ABSORBERS



Enidine PRO Long Stroke Series shock absorbers feature the same reliability and performance as standard Enidine shock absorbers, with the added capability of consistent, soft energy absorption in repetitious high-velocity conditions with speeds of up to 185 in/sec. (4.7 m/sec).

With long stroke configurations designed to accommodate varying load conditions, Enidine PRO Long Stroke Series shock absorbers provide the smooth, even transitions and progressive damping required for the rapid transfer of materials.

### Features

- Effective control of lightweight component movements.
- Reliable operation in temperatures of 15° to 180°F (-10° to 80°C)
- Handles load capacities of 75 to 2,300 in- lbs. (9 to 275 Nm)
- Controlled deceleration maintains precision transfer of parts and increases productivity.
- Ideal for high-volume applications requiring repeatable interface with molding processes.

### Designed for applications such as:

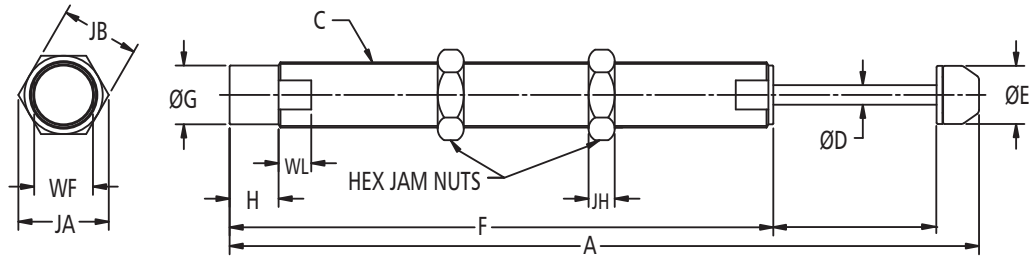
Sprue-Picker Machines  
Pick-and-Place Robotics  
Parts Removal and Handling Systems  
Blow Molding Equipment  
High-Volume Factory Automation

Plastic Bottling Equipment  
Manufacturing Process Equipment  
Injection Molding Equipment  
Packaging

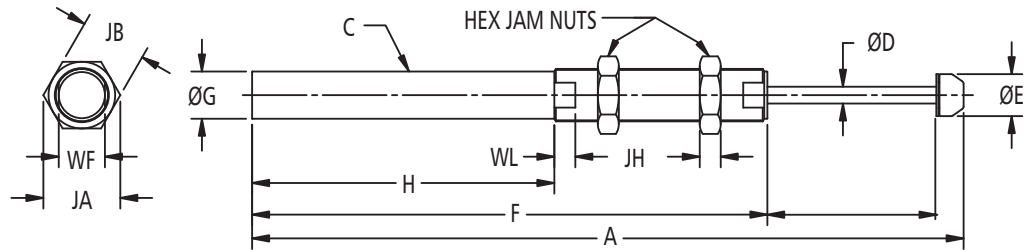
*Engineered for life*



**PRO 50MC X 50 - "X"B**  
Base Part Number NM 21673 "X"



**PRO 100MC X 80 - "X"B**  
Base Part Number NM 21674 "X"

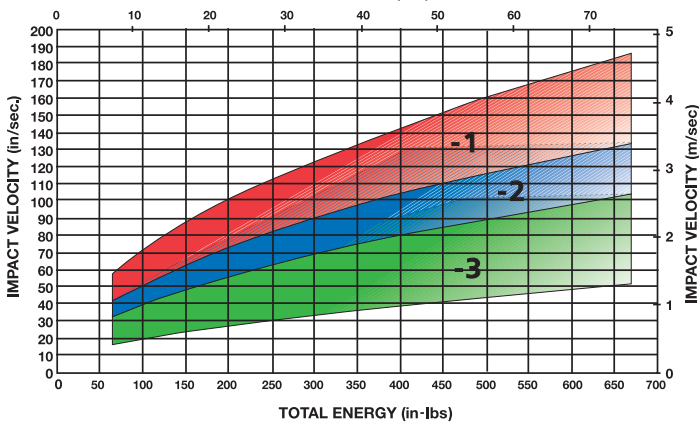


Model	Damping Constant	Bore Size in (mm)	S Stroke in (mm)	(E <sub>T</sub> ) Max. Energy/Cycle in-lbs (Nm)	(E <sub>T</sub> -C) Max. Energy/Hour in-lbs (Nm)	(F <sub>p</sub> ) Max. Shock Force lbs (N)	Nominal Coil Spring Force		(F <sub>D</sub> ) Max. Propelling Force lbs (N)	Model Weight oz (g)
							Extended lbs (N)	Compressed lbs (N)		
PRO 50MC x 50	-1, -2, -3	.39 (10,0)	1.97 (50,0)	650 (75)	306,000 (34 600)	750 (3 336)	2.0 (9)	4.7 (21)	200 (890)	14 (390)
PRO 100MC x 80	-1, -2, -3	.55 (14,0)	3.15 (80,0)	2,300 (260)	761,000 (86 000)	1,500 (6 672)	4.5 (20)	10.8 (48)	350 (1 550)	20 (570)

Model	A in (mm)	C	ØD in (mm)	ØE in (mm)	F in (mm)	ØG in (mm)	H in (mm)	WF in (mm)	WL in (mm)	JA in (mm)	JB in (mm)	JH in (mm)
PRO 50MC x 50	8.86 (225,0)	M20 x 1.5	0.24 (6,0)	0.67 (17,0)	6.38 (162,0)	0.71 (18,0)	0.47 (12,0)	0.71 (18,0)	0.39 (10,0)	1.06 (27,0)	0.94 (24,0)	0.32 (8,0)
PRO 100MC x 80	13.19 (335,0)	M25 x 2.0	0.31 (8,0)	0.79 (20,0)	9.53 (242,0)	.89 (22,5)	5.63 (143,0)	0.87 (22,0)	0.39 (10,0)	1.47 (37,0)	1.26 (32,0)	0.39 (10,0)

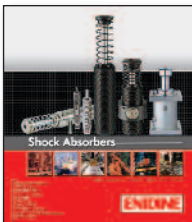
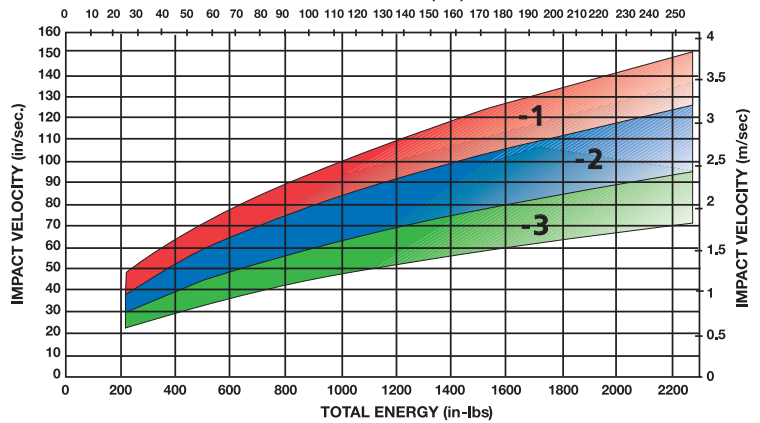
**PRO 50 X 50**

TOTAL ENERGY (Nm)

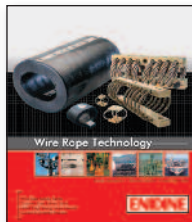


**PRO 100 X 80**

TOTAL ENERGY (Nm)



Shock Absorbers



Wire Rope Technology



Air Springs

Other Enidine Solutions in Energy Absorption and Vibration Isolation.

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