

# Barrel Blankets

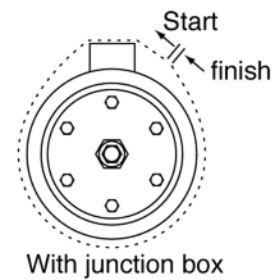
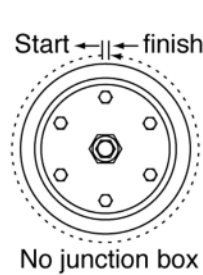
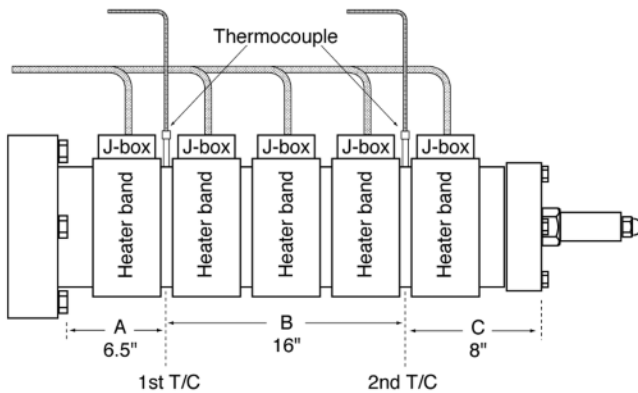
**These high quality insulation jackets provide a simple method of insulating barrels of injection molding machines. Resultant reduction of heat loss dramatically reduces the amount of power required to provide a consistent barrel temperature and improves start-up times and part consistency. *Typical pay-back is 6 months.***

Heat loss cut by a factor of 10 to 15!

e.g., Heat loss for a barrel operating in ambient temperature of 70°F and barrel temperature of 600°F:

With no insulation.....660 Watts/ Sq. Ft.

With 1" thick Insulating Jacket 54 Watts/ Sq. Ft.



To determine width of jackets required:

1. Start from rear of barrel
  2. Measure from rear to 1st thermocouple
  3. Measure to next T/C, etc.
- In the example above, a 6 1/2" jacket, plus one 16" and one 8" wide jackets are required. Note that 4 jackets 4" wide can be used to substitute the 16" wide jacket.

To determine diameter of jackets required:

1. Measure the circumference of the O.D. of the heater bands, including junction box.
  2. Divide by 3.14, to give diameter.
  3. Round up to nearest inch.
- For example, an outside diameter of 27", divided by 3.14, gives a diameter of 8.5"; use 9" dia. jackets.

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## Specifications:

**Hot face (Inside Fabric):** Silica Fabric 1/16" thick. 2000°F continuous. Thermal characteristics exceed asbestos materials and provide excellent working capacity beyond that of fiberglass.

**Cold face (Outside Fabric):** Teflon Impregnated Fiberglass cloth. 1/64", 500°F.  
Teflon outer coating is strong, flexible and will repel melt and drool. Can be easily cleaned.

**Insulation:** Ceramic Fibre, 1" thick, 2300°F. Non-asbestos, withstands extreme heat for prolonged periods and has excellent insulation characteristics.

**Straps:** Same tough Teflon impregnated material as outer fabric.

**Closure:** High temp Velcro with Nomex loop. High shear strength, temperature-resistant and designed for use in repeated cycle applications.

**Buckles:** Nickel plated steel wire with loose roller.



Outer diameter of barrel and bands	Length	Part #	Reference #	Price Each
4	2"	<b>BB4x2</b>	BIJ105	\$22.80
	4"	<b>BB4x4</b>	BIJ1010	\$33.60
	6"	<b>BB4x6</b>	BIJ1015	\$50.40
5	2"	<b>BB5x2</b>	BIJ125	\$22.80
	4"	<b>BB5x4</b>	BIJ1210	\$38.40
	6"	<b>BB5x6</b>	BIJ1215	\$55.20
6	2"	<b>BB6x2</b>	BIJ155	\$22.80
	4"	<b>BB6x4</b>	BIJ1510	\$39.60
	6"	<b>BB6x6</b>	BIJ1515	\$58.80
7	2"	<b>BB7x2</b>	BIJ175	\$25.20
	4"	<b>BB7x4</b>	BIJ1710	\$44.40
	6"	<b>BB7x6</b>	BIJ1715	\$66.00
8	2"	<b>BB8x2</b>	BIJ205	\$27.60
	4"	<b>BB8x4</b>	BIJ2010	\$49.20
	6"	<b>BB8x6</b>	BIJ2015	\$73.20
9	2"	<b>BB9x2</b>	BIJ225	\$30.00
	4"	<b>BB9x4</b>	BIJ2210	\$54.00
	6"	<b>BB9x6</b>	BIJ2215	\$80.40
10	2"	<b>BB10x2</b>	BIJ255	\$33.60
	4"	<b>BB10x4</b>	BIJ2510	\$58.80
	6"	<b>BB10x6</b>	BIJ2515	\$87.60
11	2"	<b>BB11x2</b>	BIJ275	\$36.00
	4"	<b>BB11x4</b>	BIJ2710	\$63.60
	6"	<b>BB11x6</b>	BIJ2715	\$96.00
12	2"	<b>BB12x2</b>	BIJ305	\$38.40
	4"	<b>BB12x4</b>	BIJ3010	\$68.40
	6"	<b>BB12x6</b>	BIJ3015	\$102.00