

# Barrel Blankets

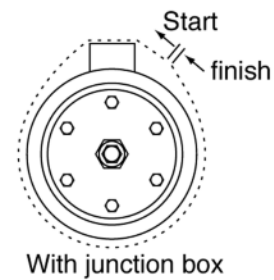
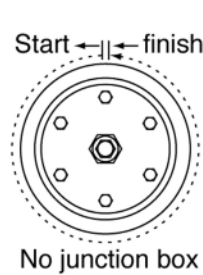
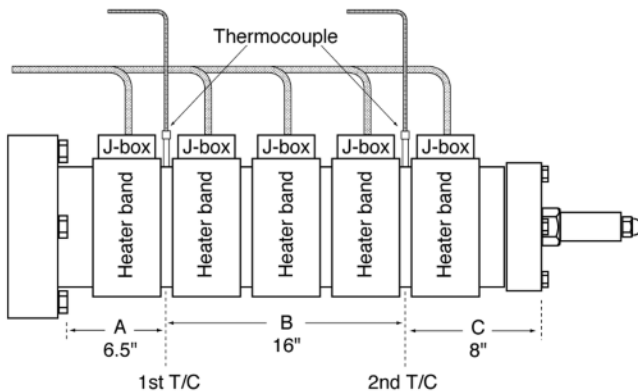
*These high quality insulation jackets provide a simple method of insulating barrels of injection molding machines. Resultant reduction of heat loss dramatically reduces the amount of power required to provide a consistent barrel temperature and improves start-up times and part consistency. **Typical 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 6½" 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.

# Barrel Blankets



## 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	\$19.00
	4"	<b>BB4x4</b>	BIJ1010	\$28.00
	6"	<b>BB4x6</b>	BIJ1015	\$42.00
5	2"	<b>BB5x2</b>	BIJ125	\$19.00
	4"	<b>BB5x4</b>	BIJ1210	\$32.00
	6"	<b>BB5x6</b>	BIJ1215	\$46.00
6	2"	<b>BB6x2</b>	BIJ155	\$19.00
	4"	<b>BB6x4</b>	BIJ1510	\$33.00
	6"	<b>BB6x6</b>	BIJ1515	\$49.00
7	2"	<b>BB7x2</b>	BIJ175	\$21.00
	4"	<b>BB7x4</b>	BIJ1710	\$37.00
	6"	<b>BB7x6</b>	BIJ1715	\$55.00
8	2"	<b>BB8x2</b>	BIJ205	\$23.00
	4"	<b>BB8x4</b>	BIJ2010	\$41.00
	6"	<b>BB8x6</b>	BIJ2015	\$61.00
9	2"	<b>BB9x2</b>	BIJ225	\$25.00
	4"	<b>BB9x4</b>	BIJ2210	\$45.00
	6"	<b>BB9x6</b>	BIJ2215	\$67.00
10	2"	<b>BB10x2</b>	BIJ255	\$28.00
	4"	<b>BB10x4</b>	BIJ2510	\$49.00
	6"	<b>BB10x6</b>	BIJ2515	\$73.00
11	2"	<b>BB11x2</b>	BIJ275	\$30.00
	4"	<b>BB11x4</b>	BIJ2710	\$53.00
	6"	<b>BB11x6</b>	BIJ2715	\$80.00
12	2"	<b>BB12x2</b>	BIJ305	\$32.00
	4"	<b>BB12x4</b>	BIJ3010	\$57.00
	6"	<b>BB12x6</b>	BIJ3015	\$85.00