

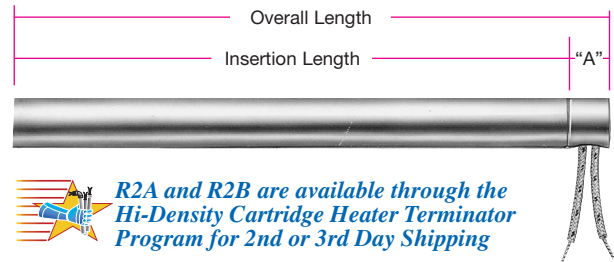
### Cartridge Heater — Flexible Spring Abrasion Resistant Right-Angle Terminations

#### Type R2 Right-Angle Leads

Available on HDC, HDM, and LDC cartridge heaters

This termination is used when space is limited. Not suitable for abrasive environments. Same as C3 and W1 except plain leads. Various lead end finishes are available as listed below:

- R2A** Cement potting, no lead end disc
    - Cement potting temperature rating: 1000°F (538°C)
    - Standard fiberglass lead wire temperature rating: 482°F (250°C)
  - R2B** Cement potting, welded lead end disc
    - Cement potting temperature rating: 1000°F (538°C)
    - Standard fiberglass lead wire temperature rating: 482°F (250°C)
  - R2C** Silicone rubber potting, welded lead end disc
    - Silicone Rubber potting temperature rating: 392°F (200°C)
    - Standard silicone rubber lead wire temperature rating: 392°F (200°C)
  - R2D** High temperature epoxy potting, welded lead end disc
    - High Temperature epoxy potting temperature rating: 450°F (232°C)
    - Standard Teflon® lead wire temperature rating: 392°F (200°C)
  - R2E** Low temperature epoxy potting, welded lead end disc
    - Low Temperature epoxy potting temperature rating: 266°F (130°C)
    - Standard Teflon® lead wire temperature rating: 392°F (200°C)
- Minimum 3/8" up to 1" unheated section at the lead end is required.
- **Standard 10" (254 mm) leads. Specify other lead lengths.**



R2A and R2B are available through the Hi-Density Cartridge Heater Terminator Program for 2nd or 3rd Day Shipping

#### Dimensions for types R2

Diameter		Availability		"A" Dim.	
in	mm	HD	LD	in	mm
3/16	4.76	No	No	—	—
1/4	6.35	Yes	Yes	5/16	7.94
5/16	7.94	Yes	No	5/16	7.94
3/8	9.53	Yes	Yes	7/16	11.11
1/2	12.70	Yes	Yes	9/16	14.29
5/8	15.88	Yes	Yes	9/16	14.29
3/4	19.05	Yes	Yes	9/16	14.29
7/8	22.23	No	Yes	5/8	15.88
1	25.40	Yes	Yes	5/8	15.88
1-1/4	31.75	No	Yes	5/8	15.88

#### Type S2 Right-Angle Spring

Available on HDC, HDM, and LDC cartridge heaters

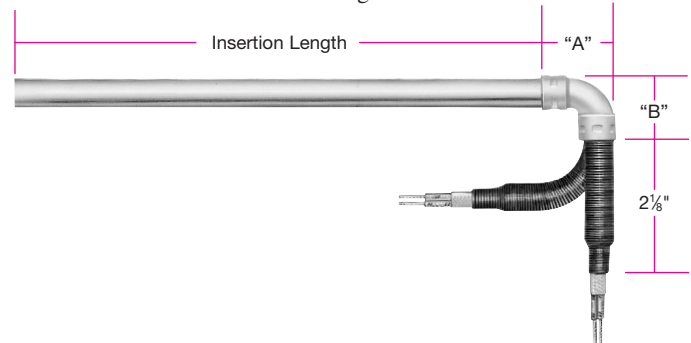
The leads are reinforced with a steel spring for applications with extreme flexing. The spring is mechanically fastened or silver brazed.

- S2A** Mechanically fastened spring
- S2B** Silver brazed spring
- Minimum 3/8" up to 1" unheated section at the lead end is required.
- Standard fiberglass lead wire temperature rating  
HDC and HDM: 842°F (450°C), LDC: 482°F (250°C)
- **Standard 10" (254 mm) leads. Specify longer leads.**

#### Dimensions for Type S2

	Diameter		Fig.	"A" Dim.		"B" Dim.	
	in	mm		in	mm	in	mm
Hi-Density Cartridge Heaters	1/4	6.35	1	3/4	19.05	3/4	19.05
	5/16	7.94	1	15/16	23.81	15/16	23.81
	3/8	9.53	1	15/16	23.81	15/16	23.81
	1/2	12.70	1	1-1/4	31.75	1-1/4	31.75
	5/8	15.88	1	1-1/4	31.75	1-1/4	31.75
	3/4	19.05	1	1-3/4	44.45	1-1/4	31.75
	1	25.40	2	1-1/8	28.58	1-3/8	34.93
Low-Density Cartridge Heaters	3/16	4.76	—	—	—	—	—
	1/4	6.35	1	3/4	19.05	3/4	19.05
	3/8	9.53	1	15/16	23.81	15/16	23.81
	1/2	12.70	1	1-1/4	31.75	1-1/4	31.75
	5/8	15.88	2	11/16	17.46	1-1/4	31.75
	3/4	19.05	2	3/4	19.05	1-1/4	31.75
	7/8	22.23	2	3/4	19.05	1-3/8	34.93
	15/16	23.81	2	1-1/8	28.58	1-3/8	34.93
	1	25.40	2	1-1/8	28.58	1-3/8	34.93
	1-1/4	31.75	2	1-1/8	28.58	1-3/8	34.93

TYPE S2 Fig. 1



TYPE S2 Fig. 2

