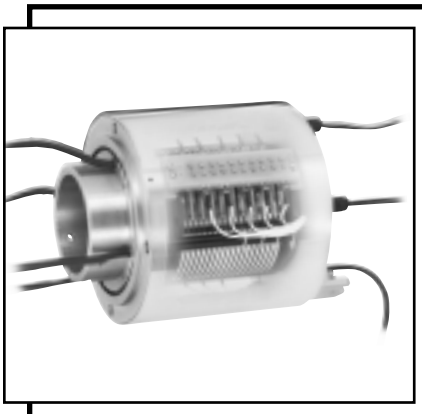
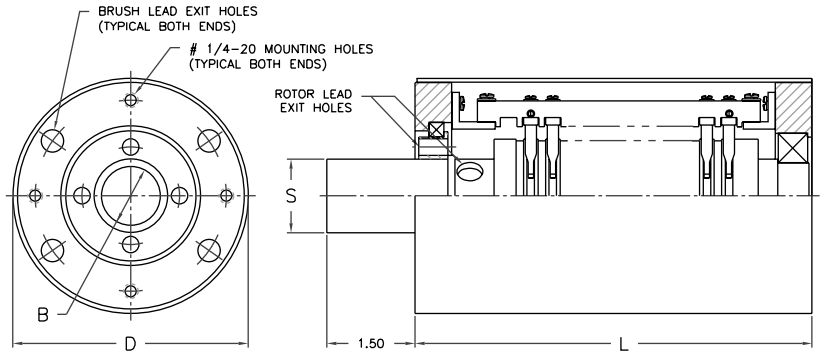
multi-purpose
slip ring assemblies

DAY-490 – 499 series

THRU BORE DESIGN

These assemblies, designed for use in commercial equipment, have been used in applications ranging from thermocouples to the transmission of medium power. They feature coin silver rings, silver graphite brushes, convenient terminals on both the slip ring and brush blocks, and a rotor design which allows the leadwires to be exited through the shaft bore, or under the bearing when a shaft clearance hole is required. The 1.5" shaft extension can be modified to meet any mounting arrangement. The wide variety of sizes and configurations available, including "in-between" shaft diameters, allows the designer to select a standard assembly for his application, eliminating time consuming and costly design charges.





MECHANICAL

1. Frame: Aluminum
2. Rings: Coin silver
3. Brushes: Silver Graphite
4. Leafs: Beryllium copper
5. Brush/Ring Termination:
   Assemblies with 30 rings or less have standard screw terminals on the brush blocks and solder posts on the slip rings. Contact factory for specific information on other assemblies.

ENVIRONMENTAL

1. Operating Temperature: 0 to 250˚ F
2. Humidity: 95% maximum

ELECTRICAL

1. Current: 10 amp per ring, standard. 20 amp per ring available. Custom assemblies with up to 100 amp per ring rating have been built.
2. Voltage: 250 volts maximum AC or DC
3. Dielectric Strength: 750 volts rms (all combinations).
4. Insulation Resistance: 50 megohms minimum at 500 VDC
5. Contact Resistance Variation: 10 milliohms maximum at maximum speed
6. Leadwire: Contact Factory

ORDERING INFORMATION:

DAY- [ ] – [ ]

NO. OF RINGS
MODEL

No. of Rings	"L"
1-10	4.88"
11-20	6.75"
21-30	8.63"
31-40	10.50"
41-50	12.38"
51-60	16.00"
61-70	17.88"
71-100	*

**Consult Factory*

MODEL	"B" DIA.	"D" DIA.	"S" DIA.	SPEED (MAX.RPM)	LIFE (MIN.REV'S.)	MAX. TORQUE PER RING (INCH-LBS.)
DAY-490	1.00	4.00	1.250	5000	50,000,000	.21
DAY-491	1.75	5.00	2.125	4000	40,000,000	.30
DAY-492	2.75	6.50	3.125	3000	30,000,000	.40
DAY-493	3.75	7.50	4.125	2500	25,000,000	.50
DAY-494	4.75	8.50	5.125	2000	20,000,000	.61
DAY-495	5.75	9.50	6.125	1500	15,000,000	.71
DAY-496	6.75	10.50	7.125	1500	15,000,000	.82
DAY-497	7.75	11.50	8.125	1000	10,000,000	.92
DAY-498	8.75	13.00	9.125	1000	10,000,000	1.02
DAY-499	9.75	14.00	10.125	750	7,500,000	1.12