

# RL30000 Threaded Hole

Alloy Steel, Environmentally Sealed, NTEP Certified 1:5,000 IIII Class III Multiple Cell, IP67

## Interchangeable Products

- VPG REVERE®  
**5123** ..... page 282
- VPG TEDEA-HUNTLEIGH®  
**3411** ..... page 344
- ARTECH®  
**30310** ..... —

## Weigh Module Available

- RICE LAKE WEIGHING SYSTEMS  
**RL50210 TA** ..... page 52
- RICE LAKE WEIGHING SYSTEMS  
**RL1800 Series** ..... page 62



Picture is a representation of actual product

## Specifications

- Full Scale Output:**  
3.0 mV/V
- Bridge Resistance:**  
350 ohm, nominal
- Material/Finish:**  
High-alloy steel, nickel plated
- Seal Type:**  
Environmentally sealed, IP67
- Safe Overload:**  
150% full scale
- Safe Sideload:**  
100% full scale
- Temperature:**  
Compensated range: 14°F to 104°F / -10°C to 40°C  
Operating range: -40°F to 150°F / -40°C to 65°C
- Rated Excitation:**  
5-10 VDC (15 V maximum)
- Nonlinearity:**  
0.03% full scale
- Hysteresis:**  
0.02% full scale
- Insulation Resistance:**  
5,000 megohms
- Deflection at Capacity:**  
250 lb to 1,000 lb = 0.013 in (0.33 mm)  
2,000 lb to 3,000 lb = 0.015 in (0.38 mm)  
4,000 lb to 5,000 lb = 0.025 in (0.64 mm)  
10,000 lb = 0.032 in (0.81 mm)  
15,000 lb to 20,000 lb = 0.038 in (0.97 mm)

- Cable Length:**  
20 ft (6.1 m)
- Cable Diameter:**  
0.200 polyurethane jacket
- Cable Color Code:**  
Red ..... + Excitation  
Black ..... - Excitation  
Green ..... + Signal  
White ..... - Signal

- Warranty:**  
Two-year limited warranty
- Approvals:**



## Dimensions

Rated Capacity	A1*	A2	A3*	B	C	D	E	F	G	H
<b>lb/in</b>										
250-5,000 SE**	1/2-20 UNF	0.60	0.53	5.12	1.25	1.25	0.62	1.00	3.00	0.50
5,000 LE***-10,000	3/4-16 UNF	0.75	0.78	6.75	1.50	1.50	0.75	1.50	3.75	0.75
20,000	1-12 UNF	1.00	1.03	8.75	2.00	2.00	1.00	2.00	4.75	1.00
<b>kg/mm</b>										
113.4-2,268 SE**	1/2-20 UNF	15.2	13.5	130.1	31.8	31.8	15.8	25.4	76.2	12.7
2,268.0 LE***-4,535.9	3/4-16 UNF	19.1	19.8	171.5	38.1	38.1	19.1	38.1	95.3	19.1
9,071.9	1-12 UNF	25.4	26.2	222.3	50.8	50.8	25.4	50.8	120.7	25.4

## Order Information

Load Rating	Part#	Est. Weight	Price
<b>NTEP Certified</b>			
1,000 lb	21491	3 lb	Consult
2,000 lb	21493	3 lb	Consult
2,500 lb	21495	3 lb	Consult
3,000 lb	21497	3 lb	Consult
4,000 lb	21498	3 lb	Consult
5,000 lb SE**	21500	3 lb	Consult
5,000 lb LE***	21501	5 lb	Consult
10,000 lb	21503	5 lb	Consult
<b>Non-NTEP Certified</b>			
250 lb	17341	3 lb	Consult
500 lb	17342	3 lb	Consult
20,000 lb	17109	10 lb	Consult
<b>Conduit Adapter Kit (must be factory installed to maintain warranty)</b>			
3/8-24 nipple	31533	1 lb	Consult
3/8-24 to 1/4-18 NPT	31534	1 lb	Consult

\*Dimension A1 is identical to A3 on the RL30002 thru-hole model  
\*\*SE refers to small envelope  
\*\*\*LE refers to large envelope

