

DS

S Type



Top Quality from Diamond

- *Alloy steel nickel plated*
- *Reliable - durable precise*
- *Interchangeable with Revere 363*
- *Capacities from 20 lb to 20,000 lb*
- *Environmentally sealed IP67*
- *20 ft 4 conductor cable*



Totalcomp Scales & Components

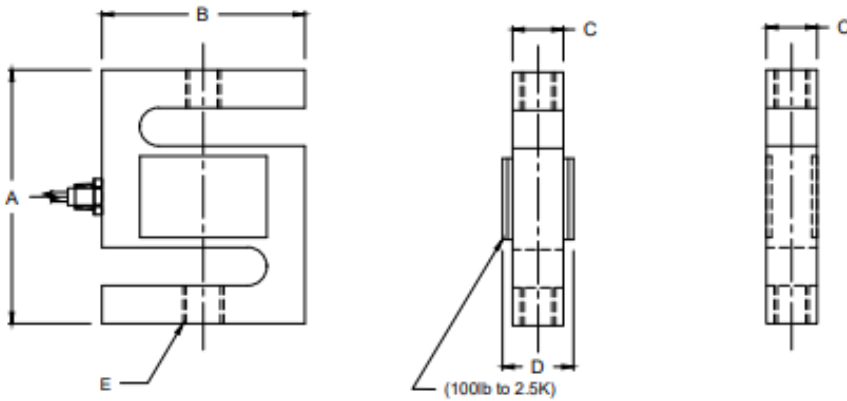
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Specifications

DS

The Diamond S type (DS) load cells are interchangeable with Revere 363 series.. They are built to meet or exceed all manufacturers specs for this type of cell. They are constructed from alloy steel nickel plated.



RATED CAPACITY	DIMENSIONS				
	A	B	C	D	E
100lb-300lb	2.50	2.00	0.50	0.75	1/4-28UNF
500lb-2.5K	2.50	2.00	0.75	1.00	1/2-20UNF
3K	4.00	3.00	1.00	-	1/2-20UNF
5K-10K	4.00	3.00	1.00	-	3/4-16UNF

Part No	Capacity	Stock	Weight
DS-50	50 lb	7254	2 lb
DS-100	100 lb	7255	2 lb
DS-150	150 lb	7256	2 lb
DS-200	200 lb	7257	2 lb
DS-250	250 lb	7258	3 lb
DS-500	500 lb	7259	3 lb
DS-750	750 lb	7260	3 lb
DS-1K	1,000 lb	7261	3 lb
DS-1.5K	1,500 lb	7262	3 lb
DS-2K	2,000 lb	7263	3 lb
DS-2.5K	2,500 lb	7264	3 lb
DS-3K	3,000 lb	7265	4 lb
DS-5K	5,000 lb	7266	4 lb
DS-10K	10,000 lb	7267	5 lb
DS-15K	15,000 lb	7268	8 lb
DS-20K	20,000 lb	7269	16 lb

Performance

Full Scale Output	3.00 mv/v
Combined error	0.03% FS
Nonlinearity	0.03% FS
Hysteresis	0.02% FS
Creep in 30 min	0.02% FS
Non-Repeatabillity	0.01% FS
Zero Balance	1.0% FS
Overload, Safe	150% FS
Overload, Ultimate	300% FS

Electrical

Bridge Resistance	
Input	385+/-10 ohms
Output	350+/-3 ohms
Excitation Voltage	10VDC(20VDC Max)
Insulation Resistance	5KMohms@50VDC

Temperature

Compensated Range	-10 deg C to +40 deg C
Temperature Operating Range	-20 deg C to +60 deg C

Effect on Zero Balance	0.0027% FS/ deg C
Effect on FS Output	0.0015% FS/ deg C

Mechanical

Material	Alloy steel
Finish	Nickel plated
Sealing	IP67

Wiring

Cable length & Type	20 foot, 4 conductor
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Cable Color Code

+ Excitation	Green
- Excitation	Black
+ Output	White
- Output	Red
Shield	Bare

Some early units have a different color code. Use the color code on the certificate.

Totalcomp Limited Warranty

Totalcomp warrants this product to be free of defects in materials and/or workmanship and suitable for the purpose intended as outlined in this sheet. This warranty is effective and shall cover the purchaser for one year from the date of shipment from our plant. If this product is found to be defective by our inspection in accordance with the above listed criteria, we will replace or repair it at our expense. For warranty service, please obtain a return authorization number from us and return the item, shipping prepaid, with a written description of the problem. We will respond promptly with the results of our evaluation.

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