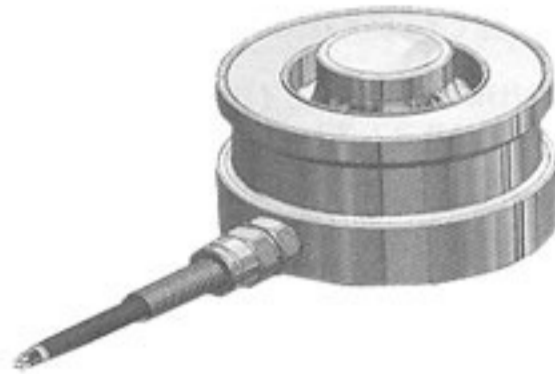


Model IDS648-WO



SDS LOAD CELL

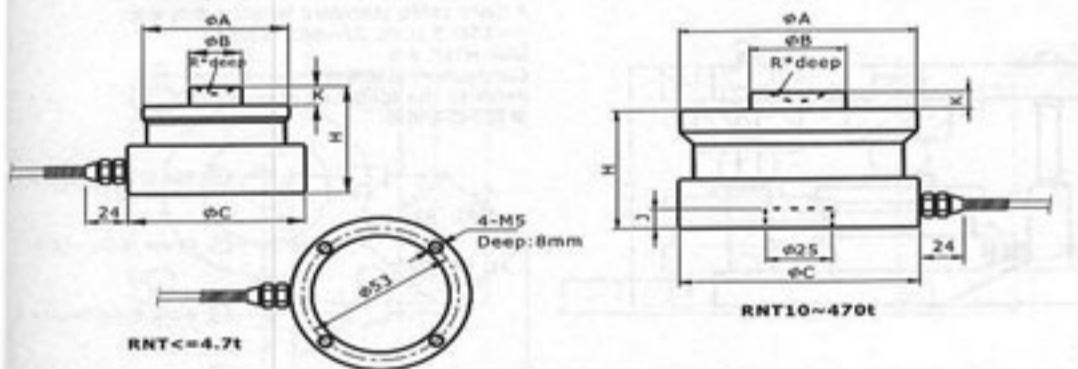


Specification

Item\ Parameter	C3	Unit
Rated load (E _{max}):	1, 2, 2.4, 7, 10, 22, 33, 47	t
Maximal numbers of load cell verification Intervals (N _k):	3000	d
Minimum load cell verification intervals Intervals (V _{min}):	0.01	% of rated load
Rated output (C _n):	2.0 ± 0.1%	mV/V
*Combined error:	0.015	±% of rated output
Temperature effect on sensitivity (T _k):	0.0012	±% of rated output/°C
Temperature effect on zero balance (T _{k0}):	0.0008	±% of rated output/°C
Zero balance :	1.0	±% of rated output
Input resistance(R _{ic}) :	775 ± 5 / > = 33t : 1550 ± 10	Ω (Ohms)
Output resistance(R _o) :	702 ± 2 / > = 33t : 1402 ± 2	Ω (Ohms)
Insulation resistance :	≥ 5000	MΩ (Mega-Ohms)
Safe overload :	150	% of rated capability
Ultimate overload:	300	% of rated capability
Operating temperature range :	-20 ~ +70 / -20 ~ +160	°C / °F
Recommend excitation :	8 ~ 24	V (DC or AC)
Maximum excitation :	48	V (DC or AC)
Material of elastomer :	Alloy steel / Stainless steel	
Protection class:	IP67/IP68	

All specifications listed subject to change without notice.

Dimensions (In mm. 1mm = 0.03937 inches)



CAP./SIZE	1t	2.2t	4.7t	10t	15t	22t	33t	47t
φA	49	49	49	74	75	75	95	130
φB	20	20	20	30	30	30	40	60
φC	60	60	60	75	75	75	95	130
H	43	43	43	50	50	50	65	75
J	-	-	-	7	7	7	7	7
K	7.5	7.5	7.5	6.5	6.5	6.5	10	14
R	15	15	15	25.4	25.4	25.4	50	60
	2.2	2.2	2.2	3.3	3.3	3.3	3.3	5.1

Wiring Schematic Diagram (Balanced bridge configuration)

