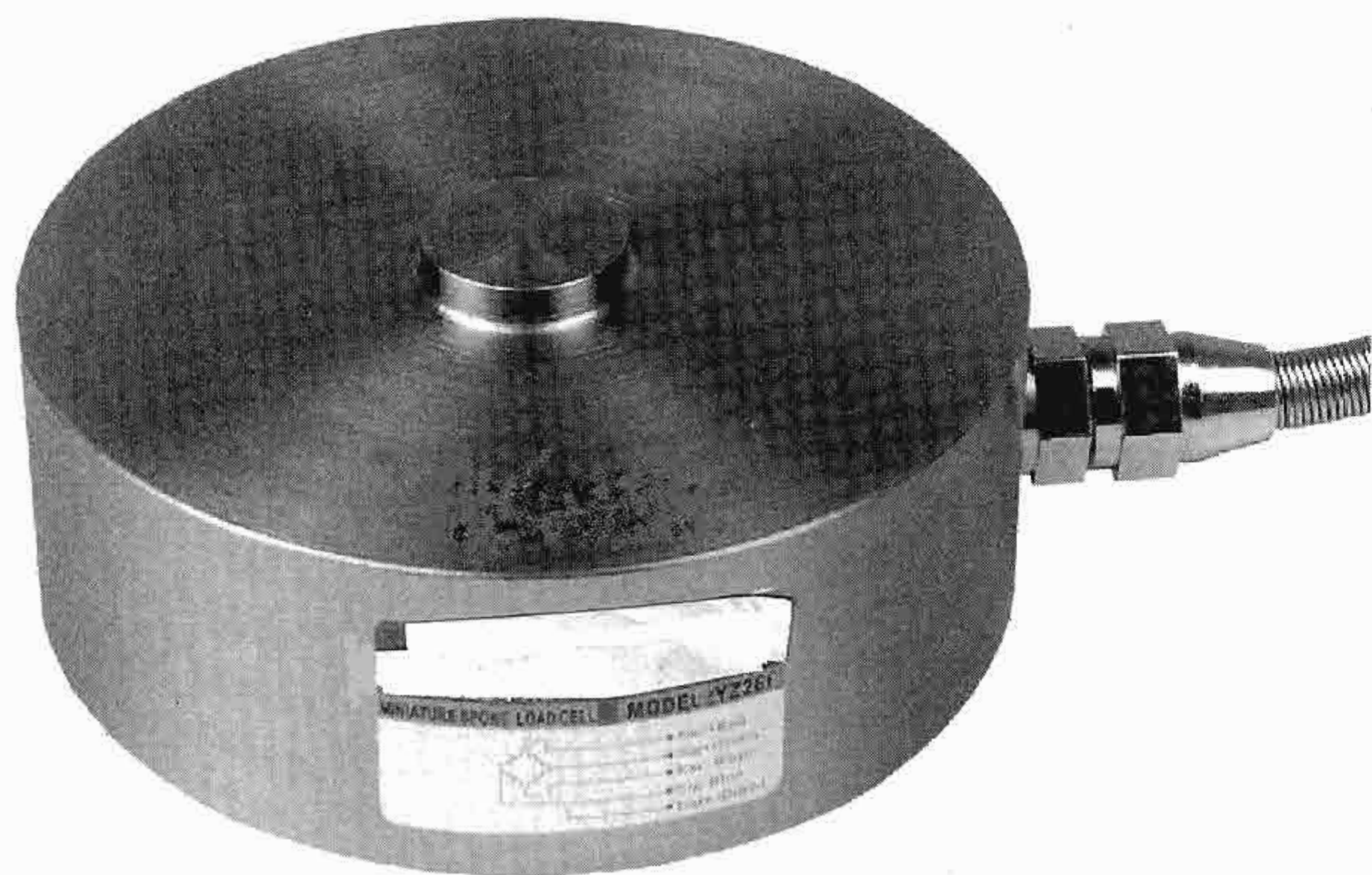


LCYC Load Cell

Max. Capacities:
25kg...30t



LCYC

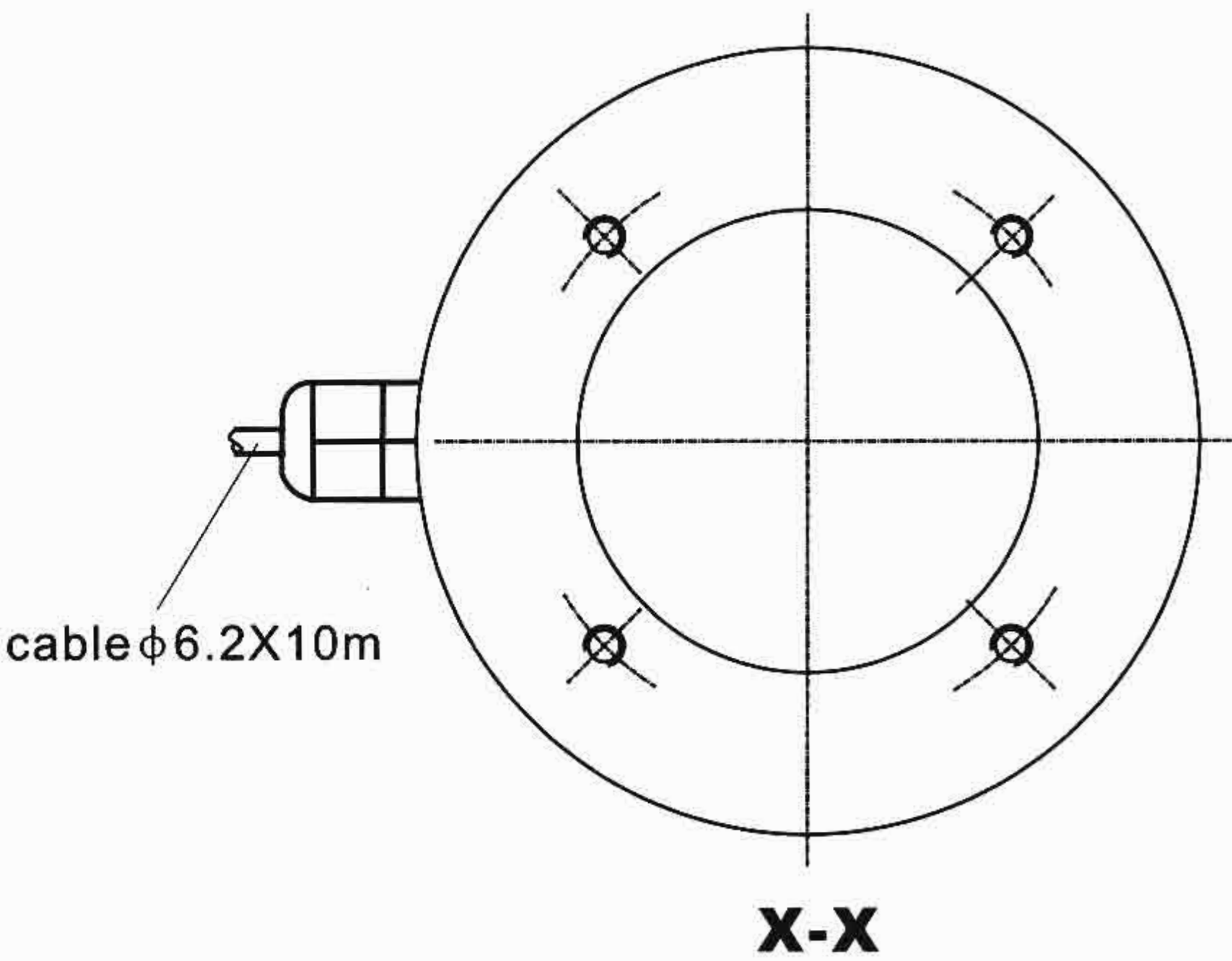
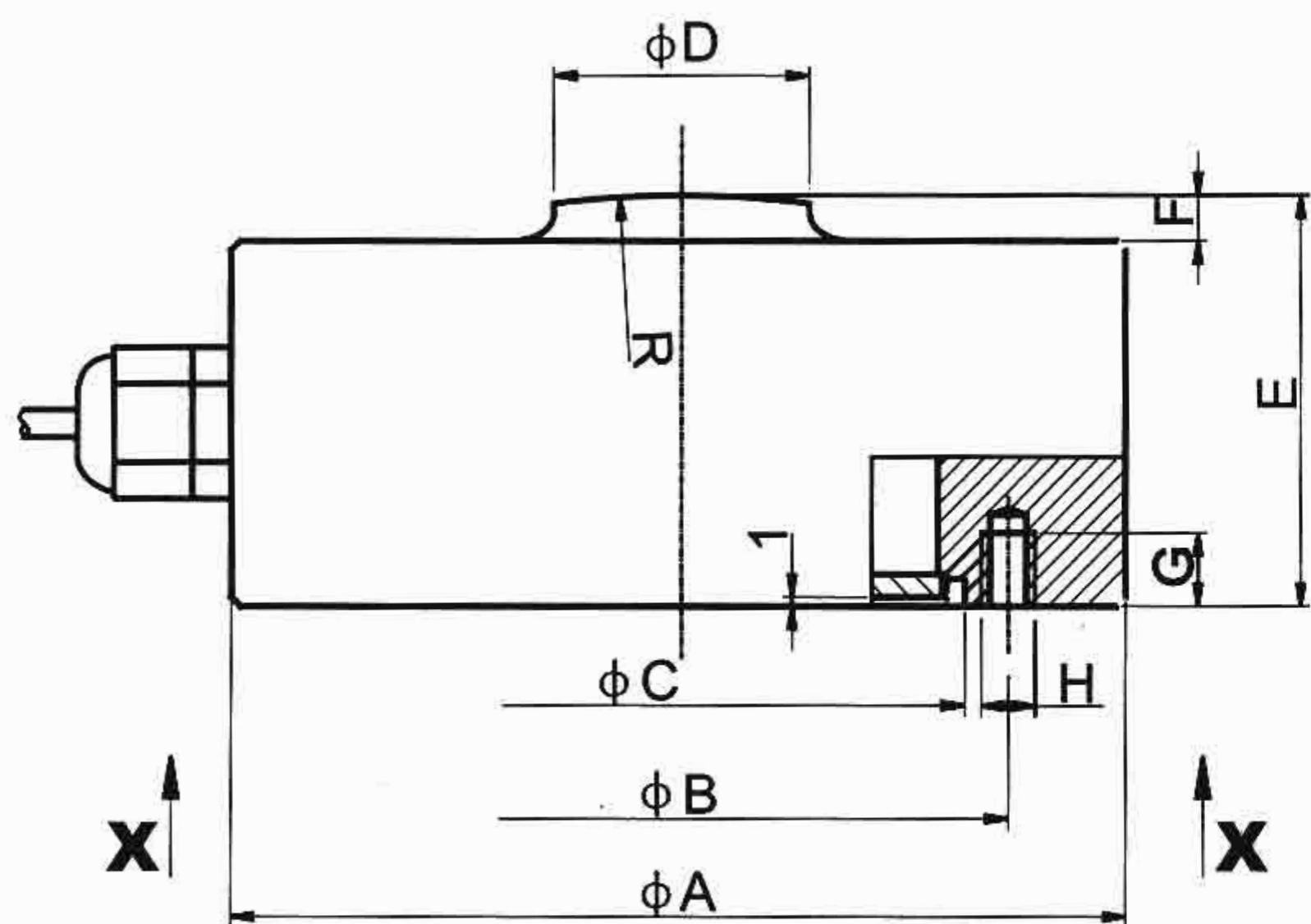
- Available options:
 - Service temperature range up to 120°C
 - Service lightning proof
 - 6-wire circuit
 - Stainless steel (Emax≥100kg)
 - IP68

Special features

- Small size, low profile
- Small deflection, the compact stainless steel construction and a structural integrity capable of withstanding extraneous loads are all unique features of the 266A series.
- High permissible dynamic load
- Fully welded, providing IP67 protection
- Hazardous area approved to Ex ib II CT4

Dimensions

1mm = 0.03937 inches)



Max.Cap	ϕ A	ϕ B	ϕ C	ϕ D	E	F	G	H	R
25kg...2t	62	55	36	12	22	4	6	M5	50
5t	98	72	62.4	20	40	5	13	M6	150
10t	98	72	62.4	20	45	5	13	M6	150
20t	118	90	62.4	25	52	7	15	M8	250
30t	138	115	62.4	25	73	8	15	M10	250

Technical Data

Technical Data

Type		LCYC					
Accuracy class		0.3		0.1			
Maximal capacity (E _{max})	kg	25;50	100;200 500				
Weight (G), approx.	t kg		1;2 0.5	5 2.2	10 2.6	20 4.1	30 7.8
Sensitivity (C _n)	mV/V	2 ± 1%		2 ± 1%			
Zero balance	mV/V	± 0.04		± 0.04			
Temperature effect on sensitivity (TK _c)	% of C _n /k	< ± 0.0023		< ± 0.0023			
Temperature effect on zero balance (TK _o)	% of C _n /k	< ± 0.0120		< ± 0.0120			
Non-linearity (d _{lin})	%	< ± 0.2		< ± 0.1			
Repeatability (d _{rep})	%	< ± 0.3		< ± 0.1			
Hysteresis error (d _{hy})	%	< ± 0.1		< ± 0.03			
Creep (d _{DR}) in 30 min.	%	< ± 0.1		< ± 0.05			
Input resistance (RLC) [Red(+)-black(-)]	Ω	400 ± 25		770 ± 30			
Output resistance (R _o) [Green(+)-white(-)]	Ω	350 ± 3		700 ± 5			
Reference excitation voltage (U _{ref})	V(DC/AC)	0.5...12		0.5...24			
Maximal excitation voltage	V(DC/AC)	18		36			
Insulation resistance (R _{Is})	GΩ	>2(50 VDC)		>2(50 VDC)			
Nominal temperature range	°C [°F]	-10...+40 [15...+105]		-10...+40 [15...+105]			
Service temperature range	°C [°F]	-30...+70 [-5...+122]		-30...+70 [-20...+160]			
Storage temperature range	°C [°F]	-25...+70 [-13...+158]		-50...+85 [-60...+185]			
Safe load limit (EL)	% of C _n	150					
Breaking load (Ed)	% of C _n	300					
Protection class (IP) acc. to IEC529		IP67/IP68					
Material		E _{max} =25kg;50kg Aluminium		E _{max} ≥100kg Steel alloy Stainless steel available			