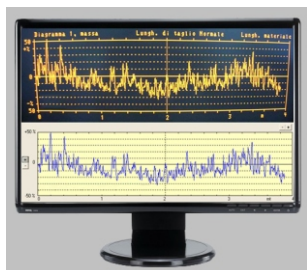


Force Test Load Cells

For Compression & Tension Test Machines



The BAYKON test load cells are specifically designed and manufactured for the compression & tension test machines. They are made of special material for precise measurement.

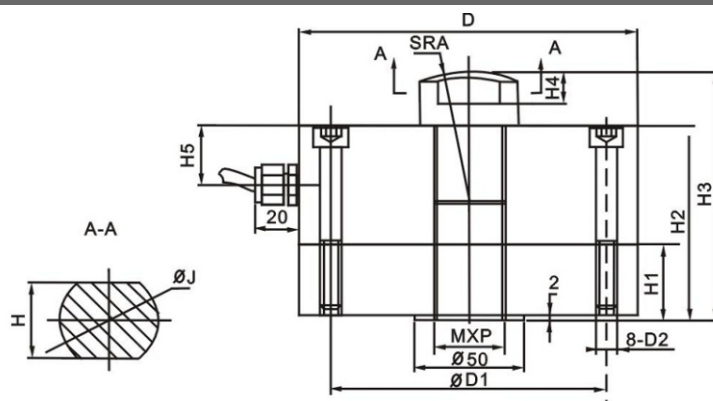
Available in various force capacities between 1 KN and 1000 KN.

Supplied complete with electronics equipments. (Baykon analog or digital transmitters, weight or force display, software etc.)

BAYKON
Industrial Weighing Systems

Model BY801

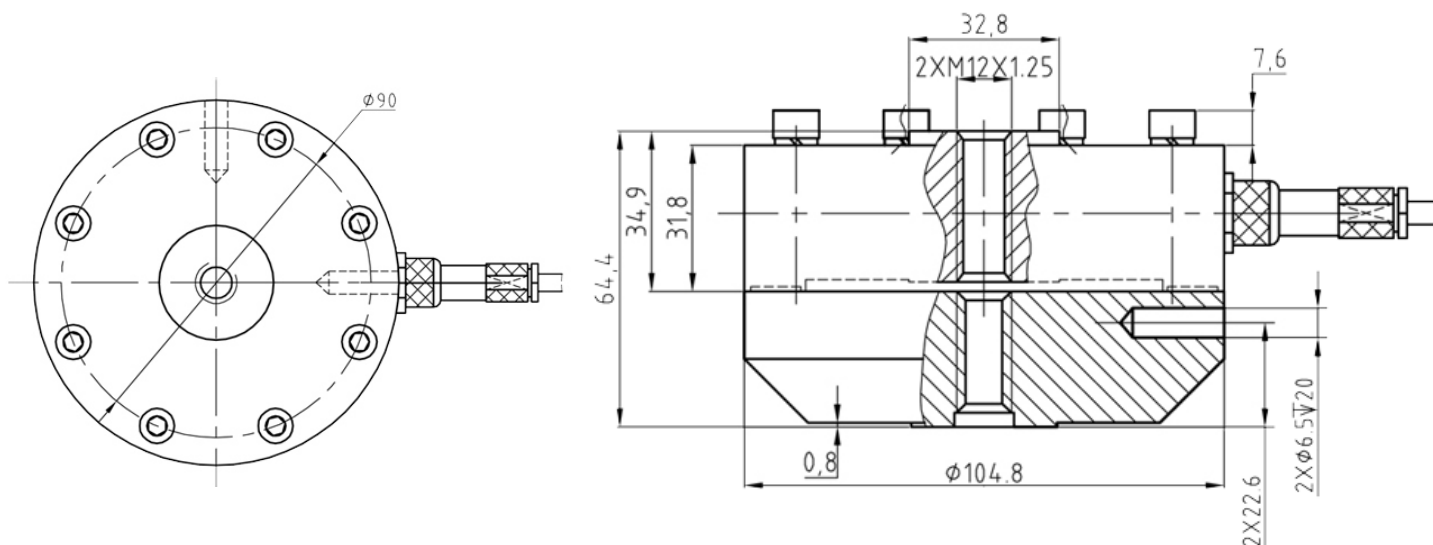
1 / 2 / 3 / 5 / 10 / 20 t



Rated Load	D	M*P	H1	H2	H3	H4	H5	H	Ø J	A	D1	D2
1,2,3	φ 105	M14*2	25	70	85	10	22.5	20	φ 25	40	90	M6x55
5	φ 120	M20*1.5	30	80	95	10	25	25	φ 30	45	104.5	M8x65
10,20	φ 155	M32*2	35	90	115	15	27.5	35	φ 45	60	133	M10x75

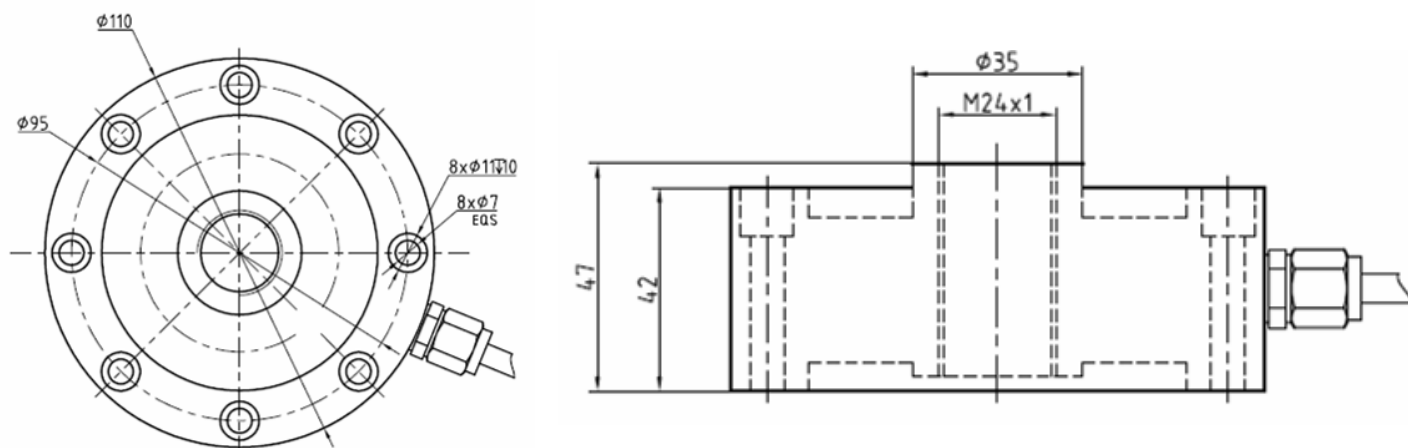
Model BY802 S

100 / 250 / 500 kg



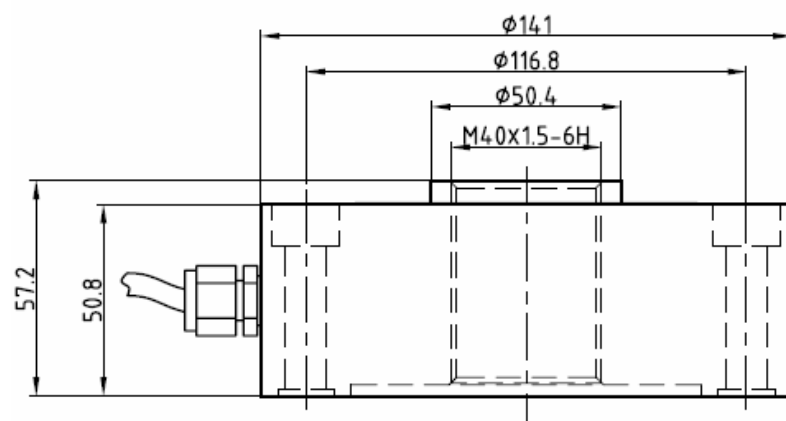
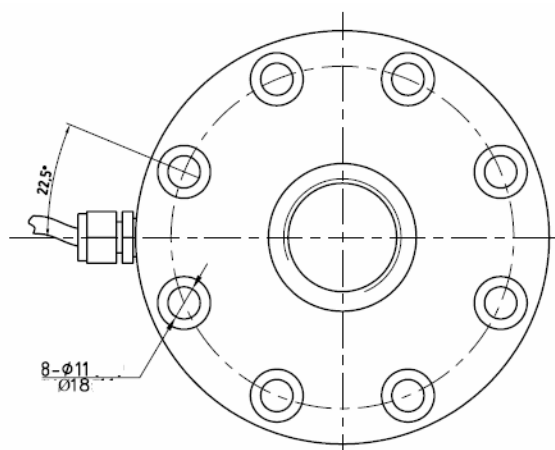
Model BY802 M

1 / 2 / 5 t



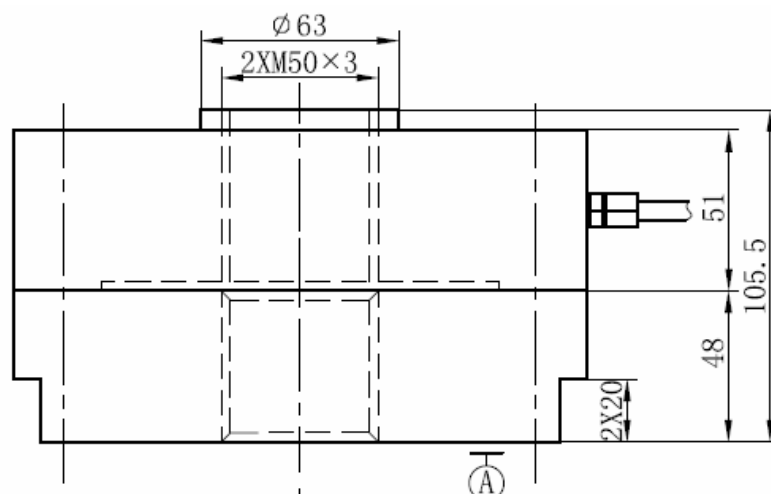
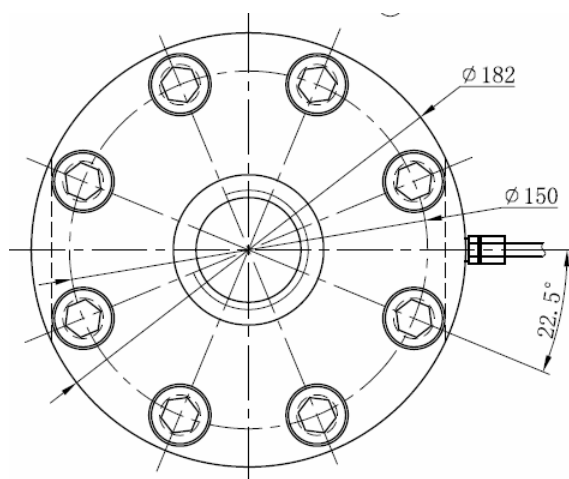
Model BY802 L

10 / 20 / 30 t



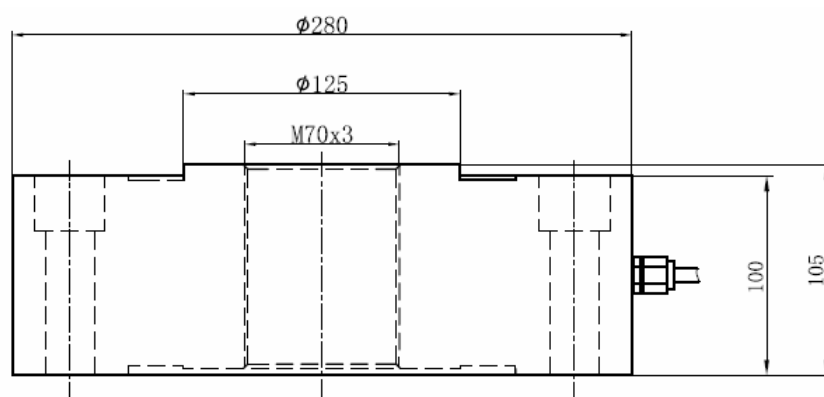
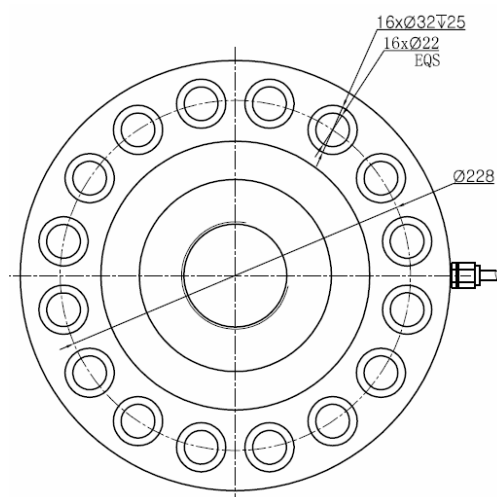
Model BY802 XL

50 / 60 t



Model BY802 XXL

100 t



Technical Specifications;

Model		BY801	BY802				
			S	M	L	XL	XXL
Rated Capacities (E _{max})	t	1/2/3/5/10/20	0,1/0,25/0,5	1/2/5	10/20/30	50/60	100
Sensitivity	mV / V	2,0 ± 0,006	2,0 ± 0,01		3,0 ± 0,006		3,0 ± 0,03
TCO	%FS / 10°C	± 0,02	± 0,02	± 0,02	± 0,05		± 0,05
TC SPAN	%FS / 10°C	± 0,02	± 0,02	± 0,02	± 0,05		± 0,05
Total Error	%FS	± 0,02(2,3,5t); ± 0,1(10,20t)	± 0,03	± 0,1	± 0,1	± 0,2	± 0,5
Creep Error (30min)	%FS	± 0,03	± 0,03		± 0,05		1
Input Impedance	Ω	400 ± 10			760 ± 20		400 ± 10
Output Impedance	Ω	352 ± 3			703 ± 5		702 ± 5
Insulation Impedance	MΩ			≥5000			
Zero Balance	%FS			±1			
Temperature Range, Compensated	°C			-10...+40			
Temperature Range, Operating	°C			-30...+70			
Maximum Safe Overload	%FS			120			
Ultimate Overload	%FS			150			
Excitation, Recommend	V			10-12 (DC)			
Excitation, Maximum	V			15 (DC)			
Construction				Alloy Steel			
Protection Class				IP67			
Cable				Length 6-10 m Diameter 6 mm			

Electronics;

Models		Type		Output Type	Key Specifications
		Product	Montage		
TX1 TX1W		Load cell Transmitters	DIN Type	Analoque 0-10 V & 4-20mA	- A/D conversion: 24 bit - D/A output conversion :16 bit - 100 conversions/sec.(TX1) - 400 conversions/sec. (TXS) - Electronic calibration (eCAL) without test weights - 4 x programming buttons
TX1S TX1SW		Load cell Transmitters	DIN Type	Analoque 0-10 V & 4-20mA	
TX2 TX4		Load cell Transmitters	DIN Type	Digital RS-232 RS-485 Ethernet Modbus TCP/IP Modbus RTU Profibus DP Profinet CANopen	-A/D conversion: 24 bit -800 conversions/sec. -Electronic calibration (eCAL) without test weights -8.000.000 internal, 100.000 external resolution, -2.000.000 counts -1 digital Output and 2 digital ports configurable input or output.(TX4) - Local Display; easy and local service in site and up to 8 channel(MX)
MX Series		Load cell Transmitters	DIN Type		
BX10 BX11		Weight & Force Indicators	Panel Type		- Up to 1600 1/s measurement speed. -16.000.000 internal counter -13,5 mm LED display - eCAL Electronic calibration - Programmable via PC and Peak function

(Specifications are subject to change without notice. 04 / 2013)