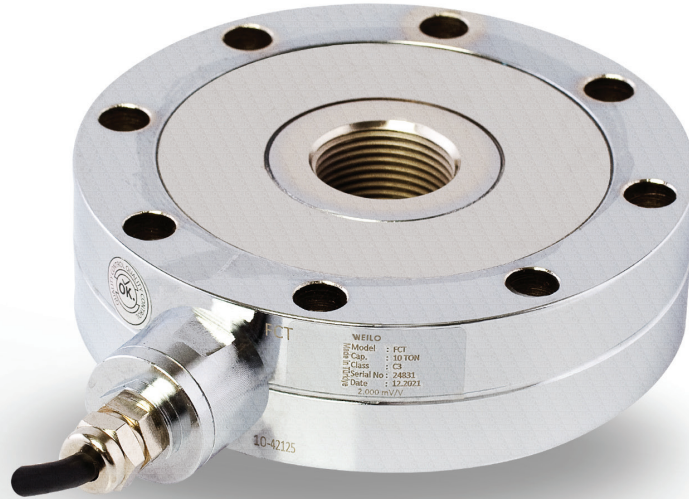


FCT Spoke Type Load Cell



Load cell with bidirectional operation (compression-tension) produced with high capacity and high precision.



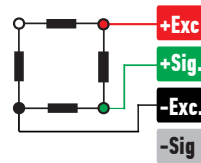
ABOUT PRODUCT

FCT is a load cell with high accuracy and sensitivity and dual-directional (compression-tension) working feature.

It is produced entirely domestically in our Konya factory with capacity options ranging from 0.5 ton to 550 tons.

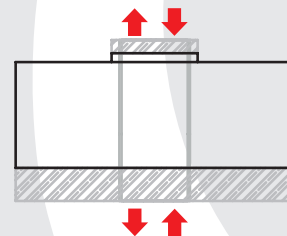
After being heat-treated and tempered with alloy steel, it is cleaned by sandblasting and then fully.

CONNECTION DIAGRAM

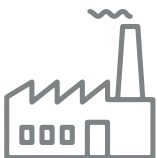


Red	Excitation+ (Input)
Green	Signal+ (Output)
Black	Excitation- (Input)
White	Signal- (Output)

WORK STYLE



APPLICATION AREAS



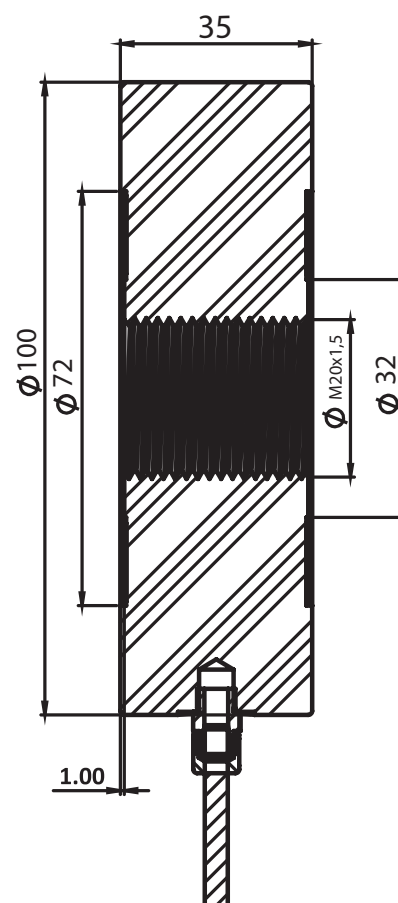
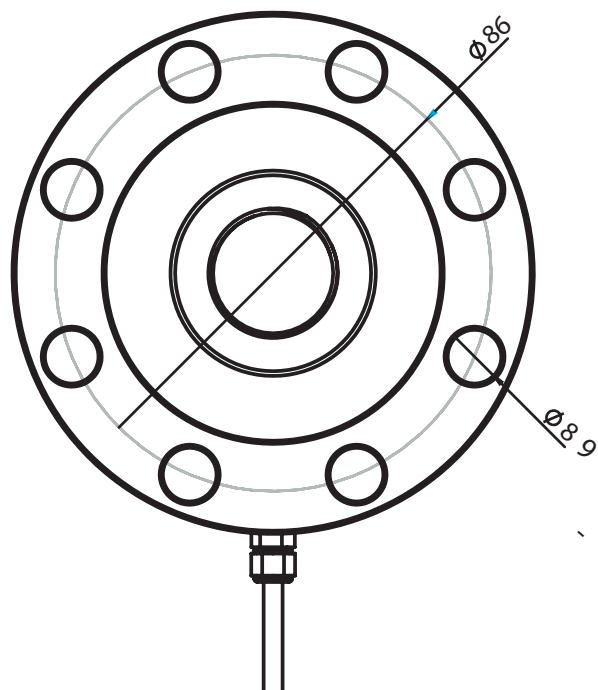
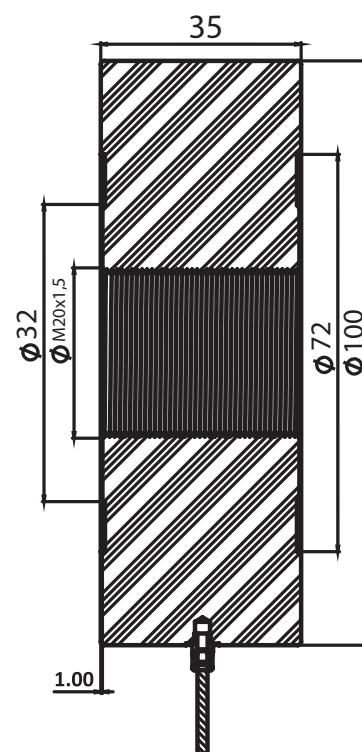
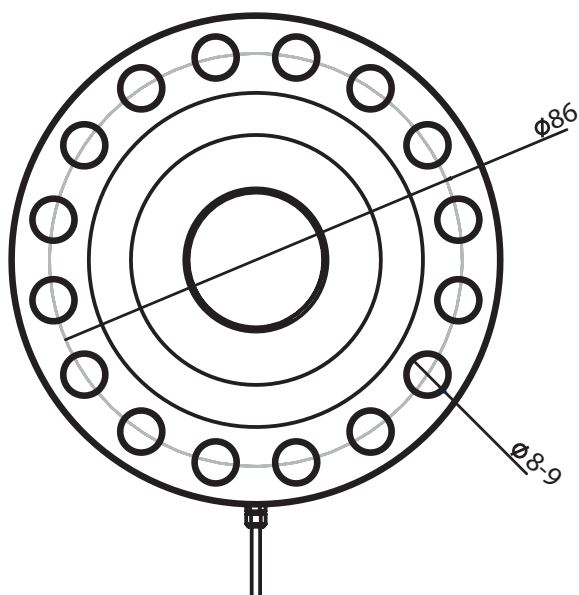
Machinery and Industry

FEATURES

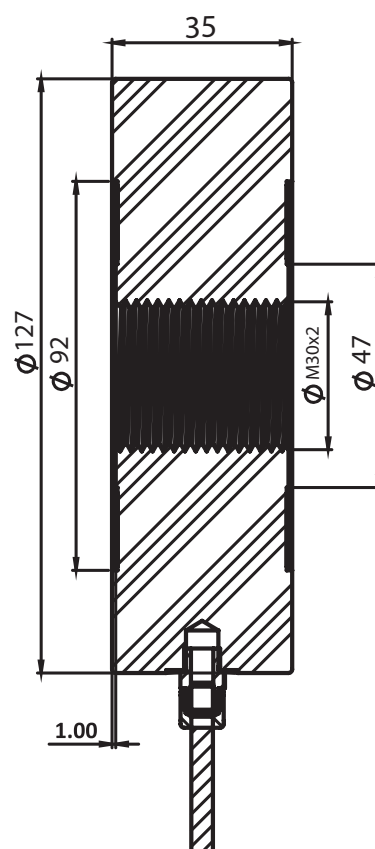
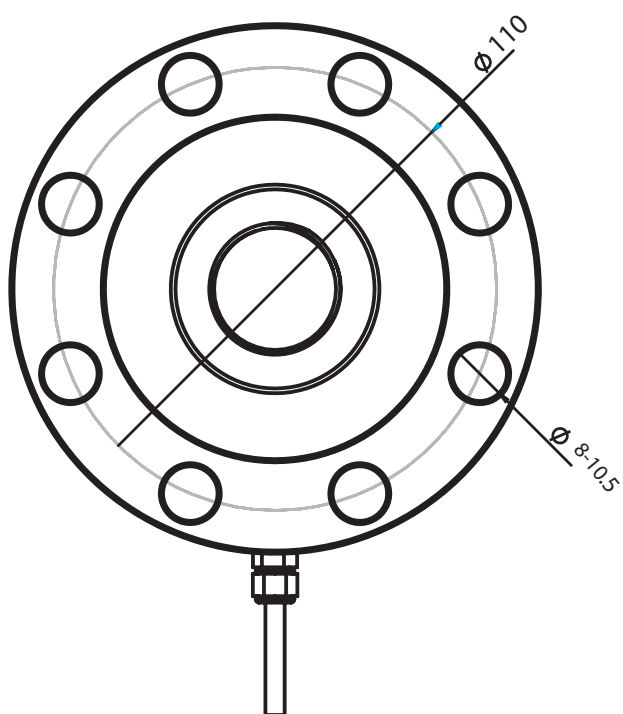
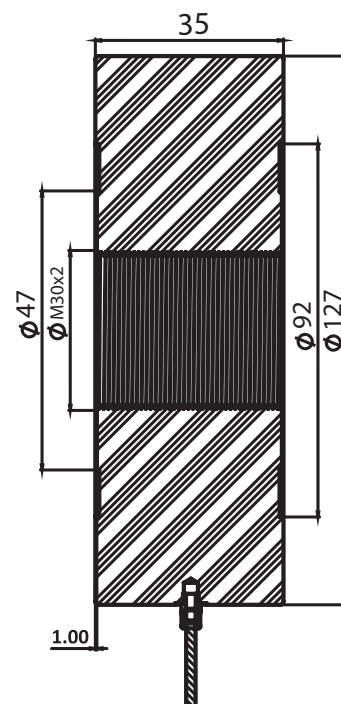
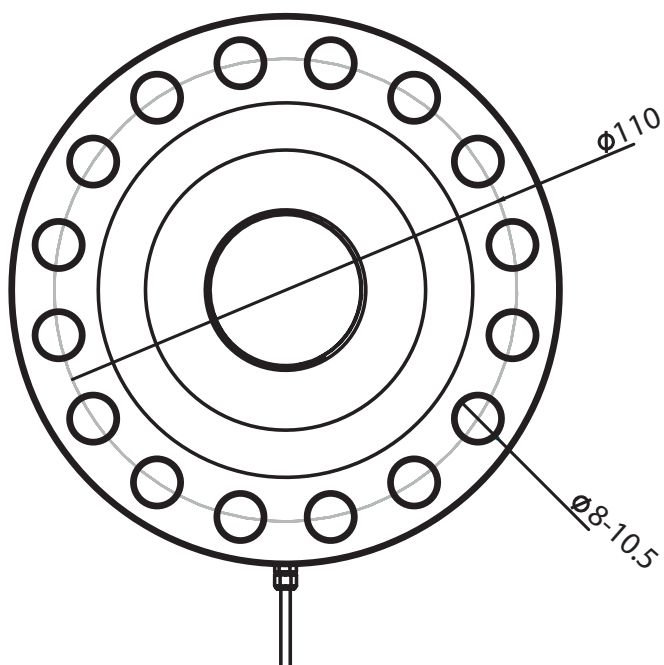
- ✓ IP 67 / IP 68 protection class
- ✓ Plated nickel, alloyed steel
- ✓ Ease of installation

TECHNICAL DRAWING

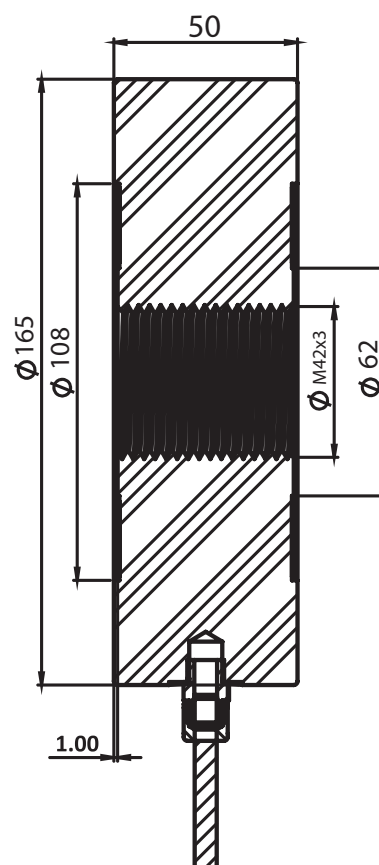
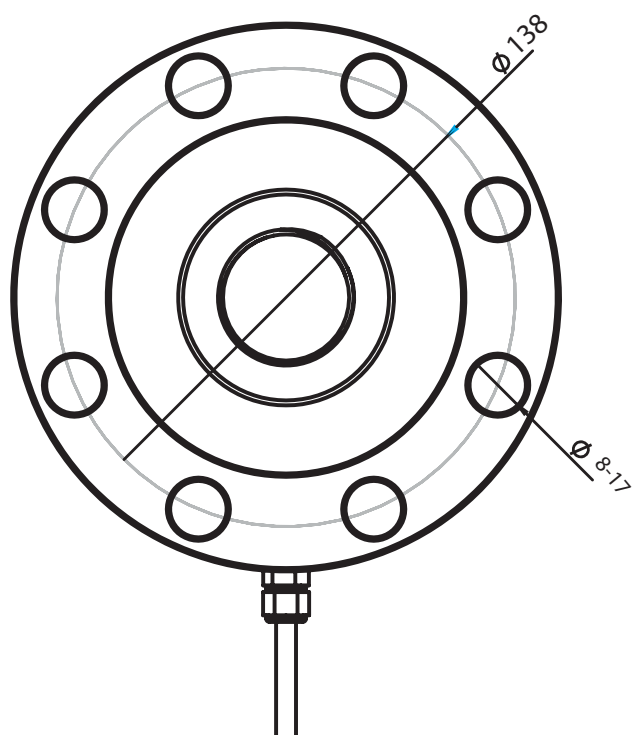
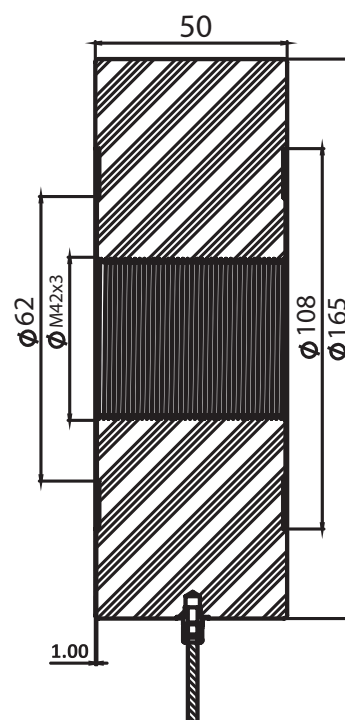
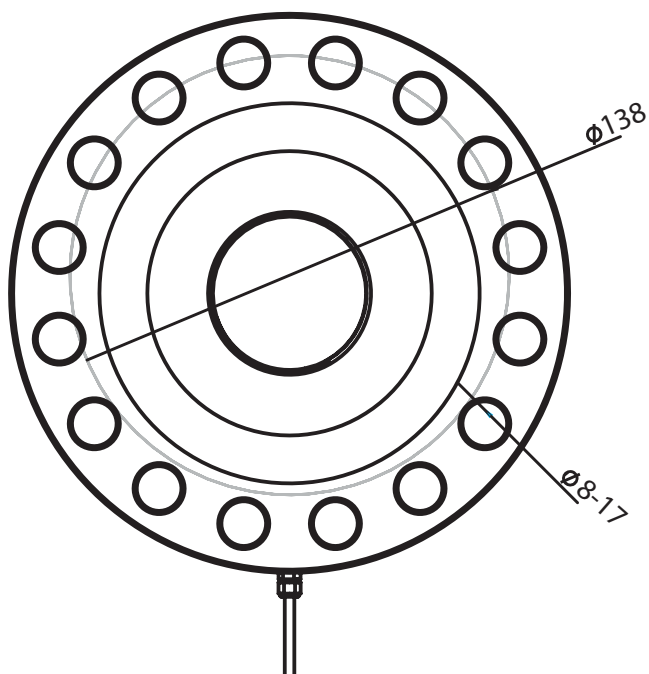
0,5 - 1 - 2,5 - 5 Tones



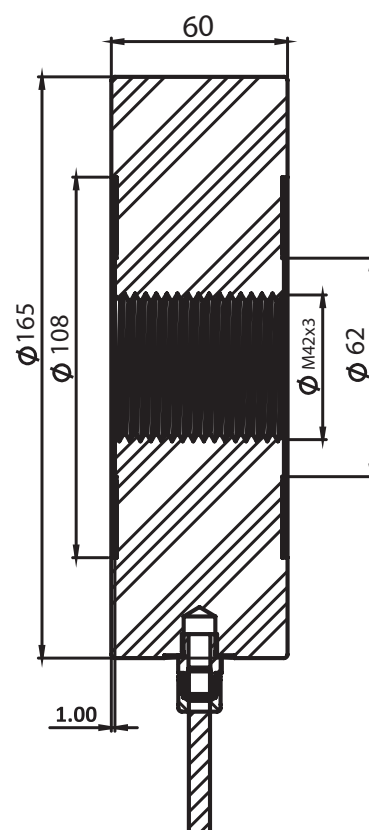
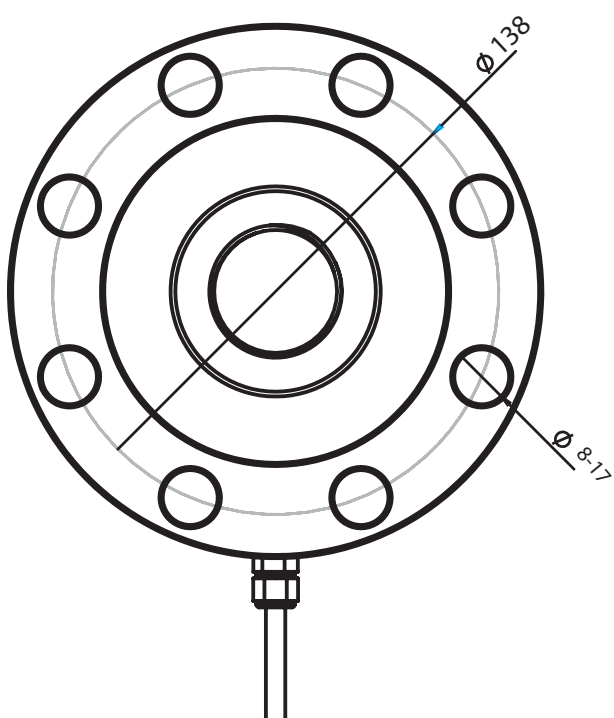
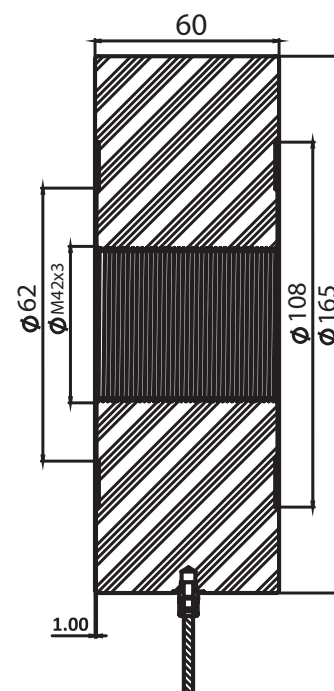
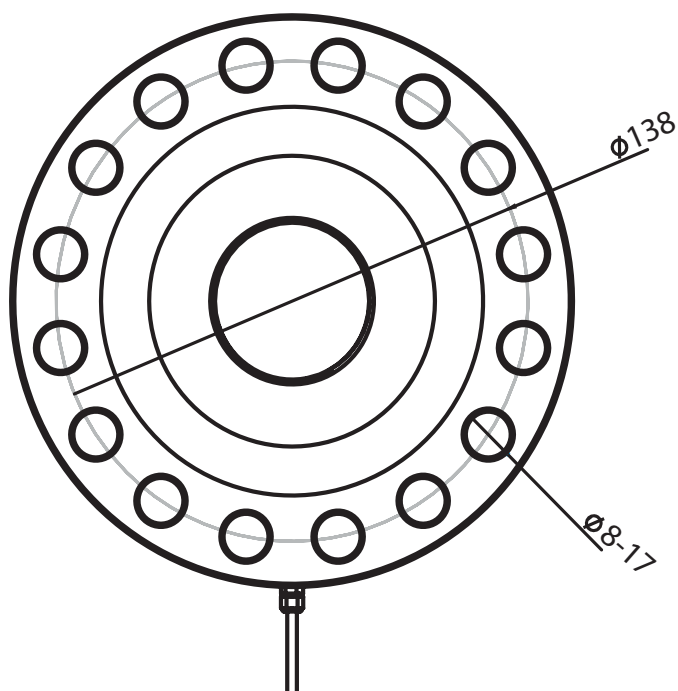
5 -10 Tones



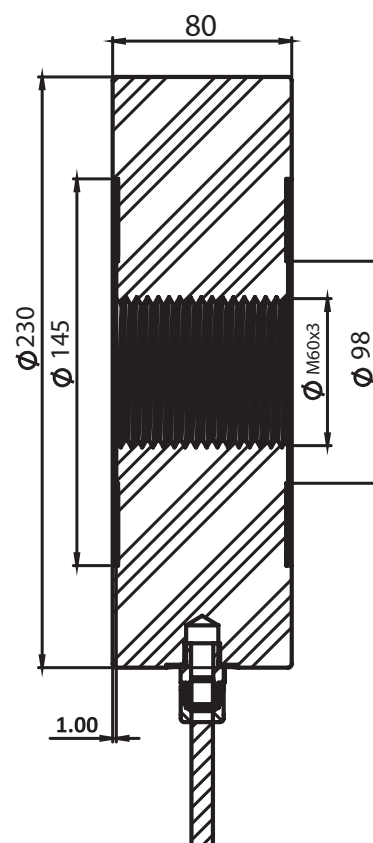
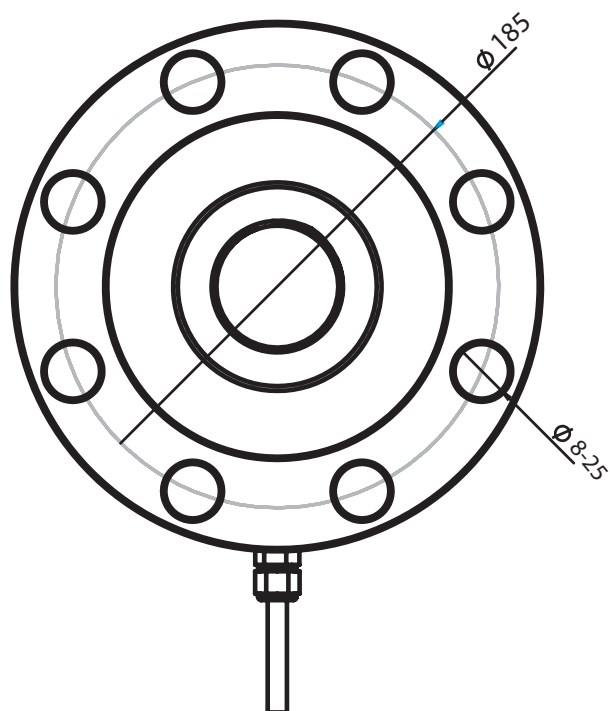
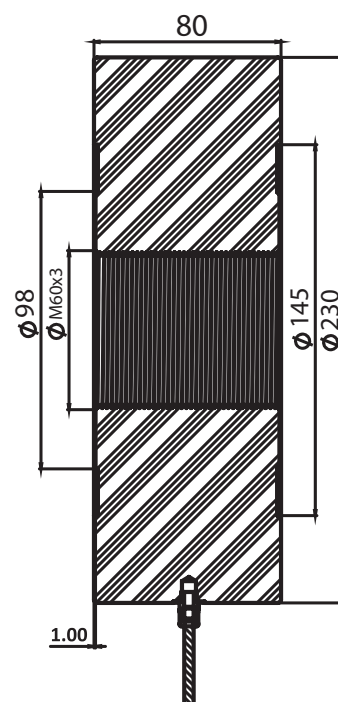
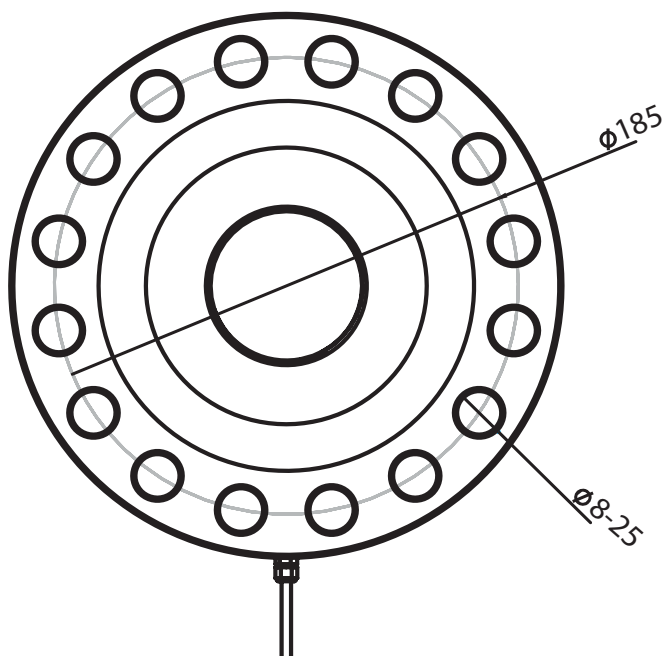
20 - 30 Tones



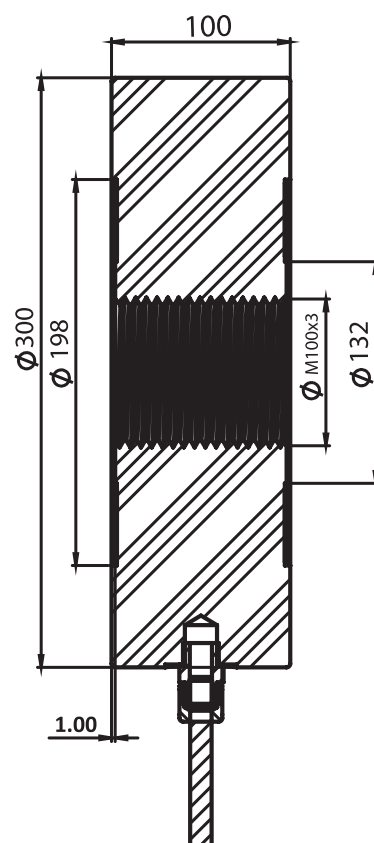
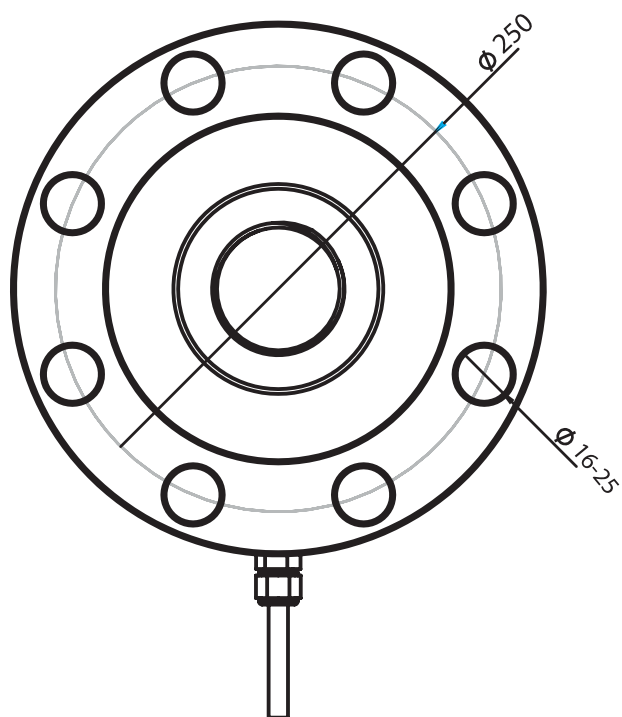
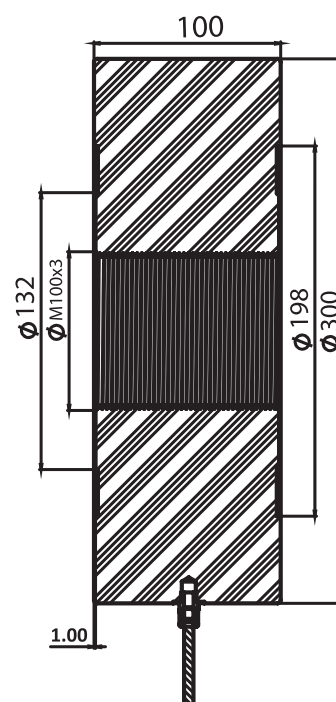
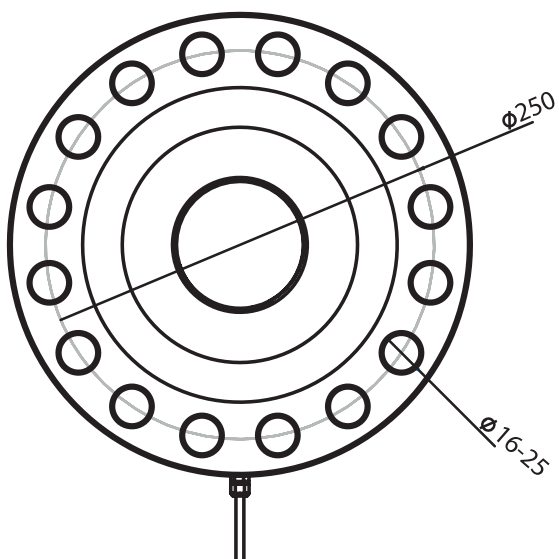
50 Tones



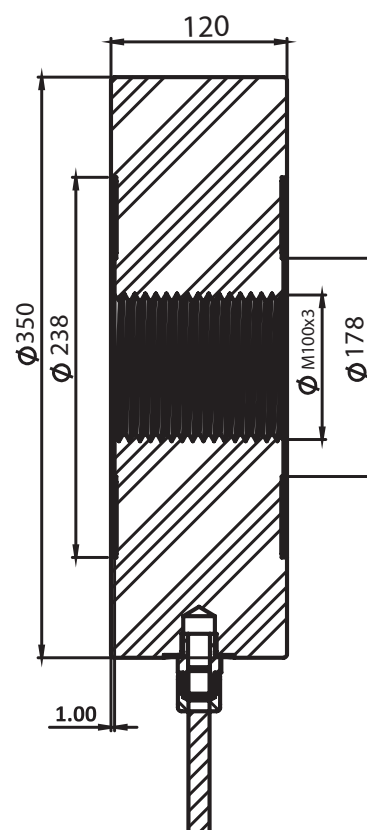
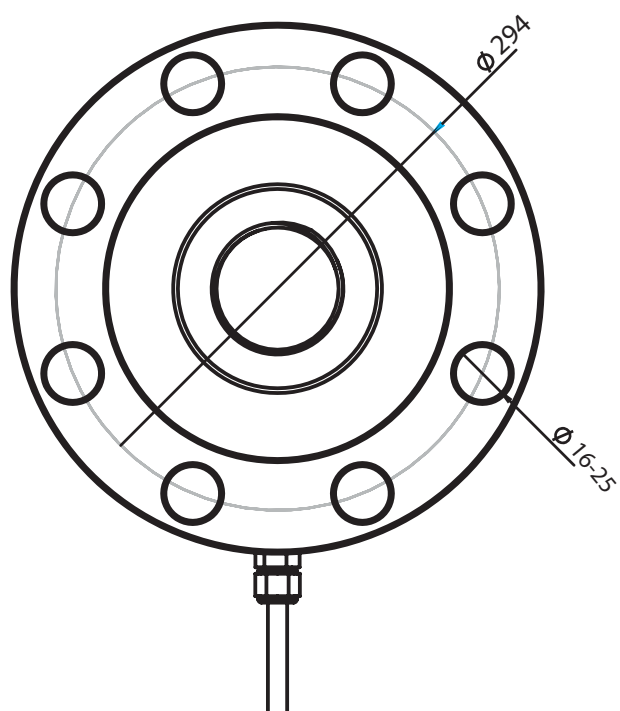
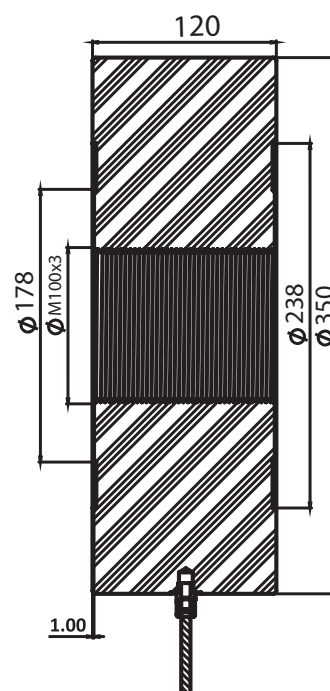
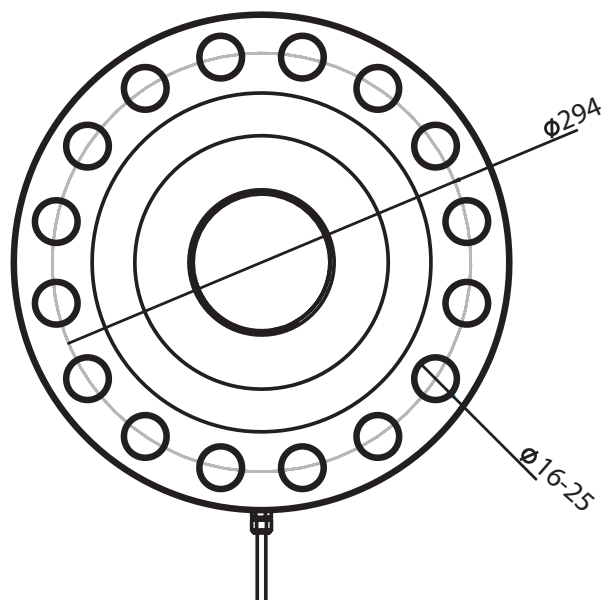
75 - 100 Tones



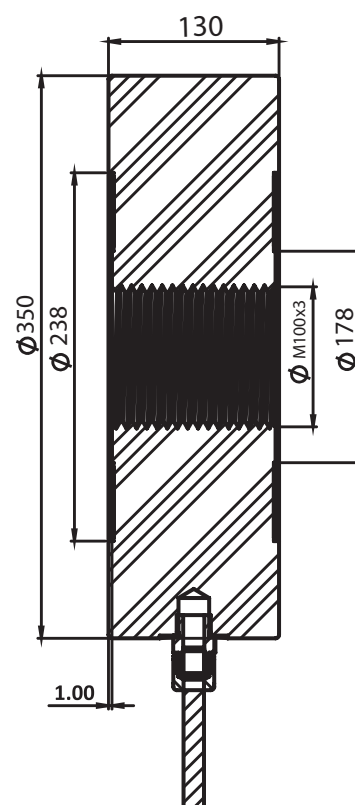
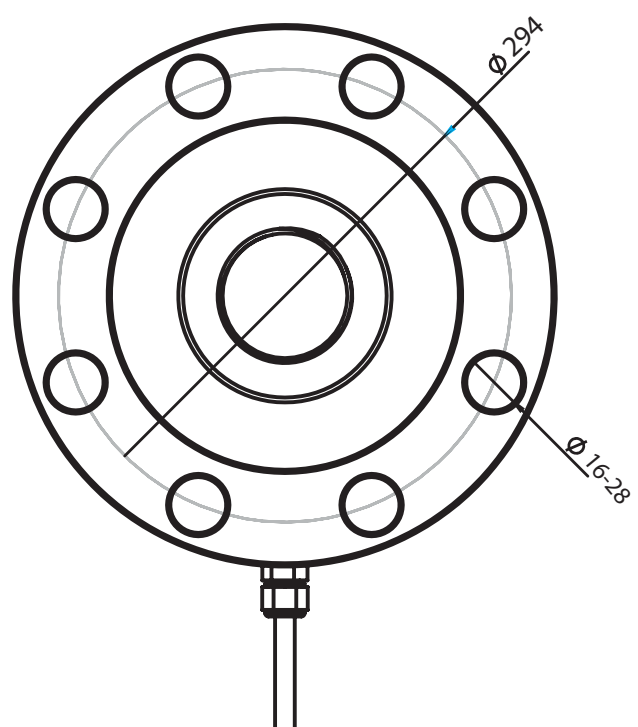
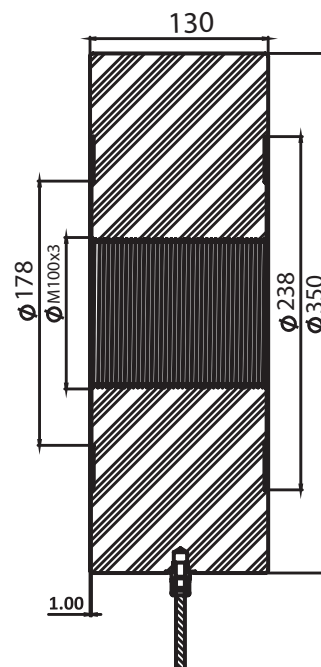
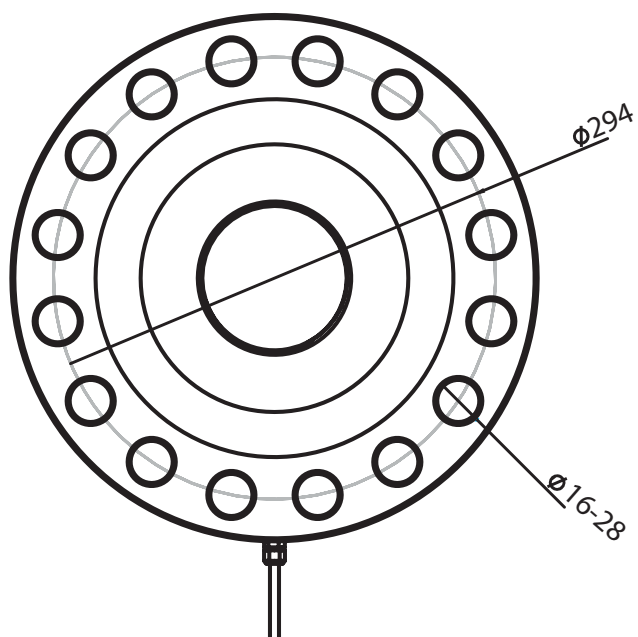
200 Tones



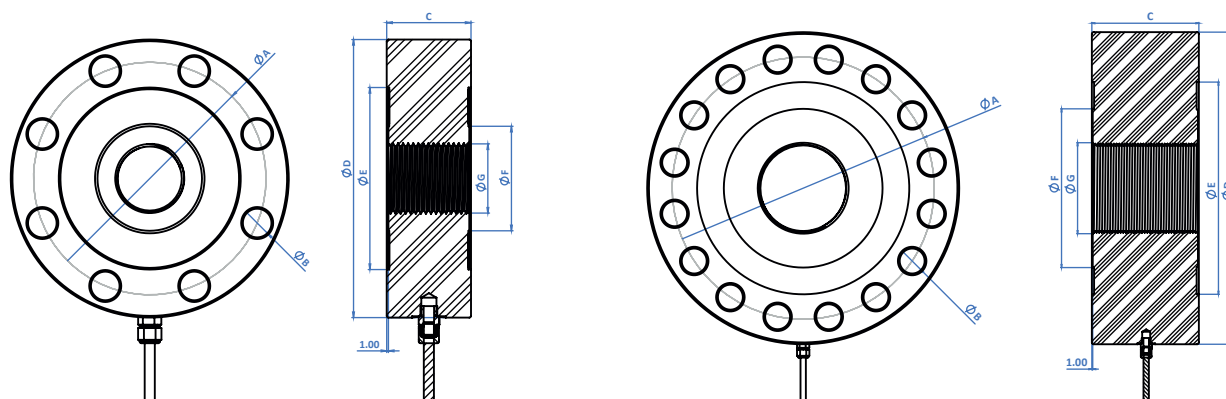
300 Tones



500 Tones



FCT Spoke Type Load Cell



CAPACITY	A	B	C	D	E	F	G
0.5 - 1 - 2.5 - 5 TONES	86	8-9	35	100	72	32	M20x1.5
5 - 10 TONES	110	8-10.5	35	127	92	47	M30x2
20 - 30 TONES	138	8-17	50	165	108	62	M42x3
50 TONES	138	8-17	60	165	108	62	M42x3
75 - 100 TONES	185	8-25	80	230	145	98	M60x3
20 TONES	250	16-25	100	300	198	132	M100x3
300 TONES	294	16-25	120	350	238	178	M100x3
500 TONES	294	16-28	130	350	238	178	M100x3

TECHNICAL SPECIFICATION

Capacity	0.5 - 50 Tones / 75 - 500 Tones
Accury Class	C1
Minimum Load	0 kg
Linearity	$\leq \pm 0.05 \%FS$
Repeability	$\leq \pm 0.05 \%FS$
Total Error	0.05 ~ 0.25
Output Sensitivity (FS)	$2.00 \pm 0.005mV/V$
Zero Balance	$\pm 1 \%FS$
Input Resistance	$750 \Omega \pm 30 \Omega$
Output Resistance	$703 \Omega \pm 5 \Omega$
Isolation Resistance	$\leq 5000 M\Omega (100VDC)$
Compansated Temperature	-10 ~ + 40 °C
Operating Temperature	-30 ~ + 70 °C
Excitation, Recommended Voltage	10 VDC
Maximum Excitation Voltage (Umax)	15 VDC
Safe Overload	150 % FS
Ultimate Overload	300 % FS
Ingress Protection (EN60529)	IP 67 / IP 68
Element Material	Alloyed Steel / Stainless Steel
Cable	4x022mm ²