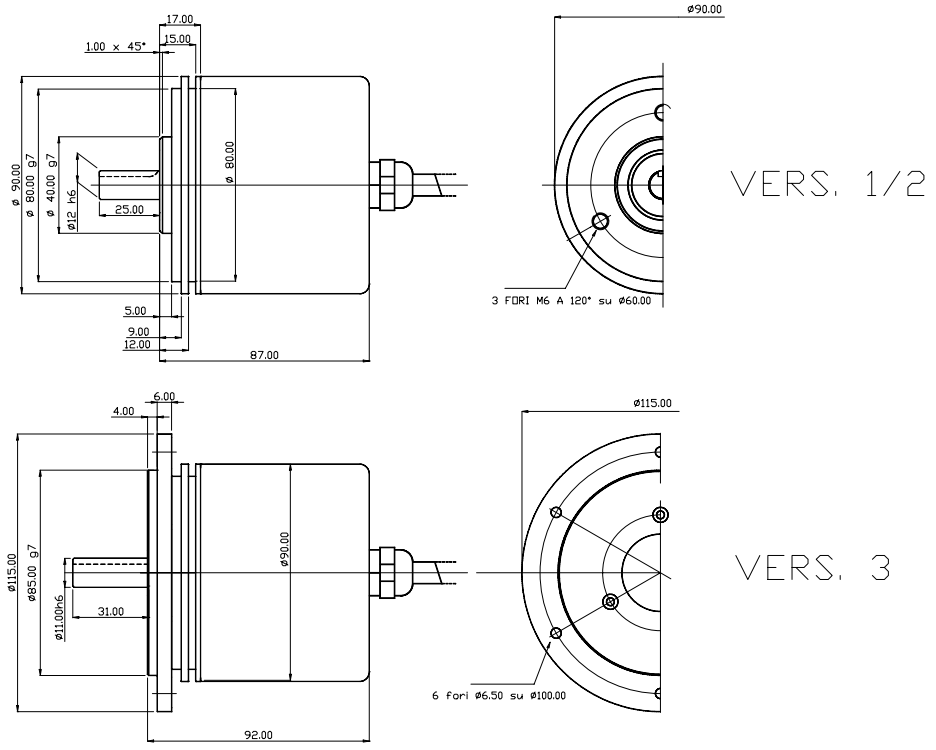
Series BTR

Incremental Bi-Coder high settlement

Mechanics Data

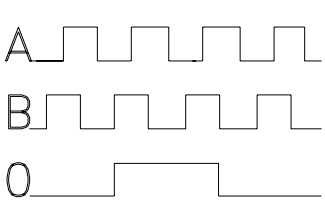
Cover:	Lacquered aluminium
Body:	Aluminium
Solid shaft:	Stainless steel
Bearings:	2, ballraces
Weight:	Approx.600 gr.
Protection:	IP65
Rpm:	6000 Max
Torque:	5Ncm
Inertia:	270gcm²
Shaft loading:	Axial 100N - Radial 100N (the value decrease when the number of pulses increase)

Dimensions in mm



Series BTR

Output signals (cw)



Electronics Data

Power supply:	from 5 to 24V depends on the electronics circuit
Current consumption:	40/80mA depends on the electronics circuit
Permissible load:	40mA
Frequency:	600KHz depends on the electronics circuit
Protections:	Against short circuit, reversal polarity
Operating Temp.:	-20/+60°C

Ordering code

Series B T R - * - * * - * * - * * / Impulsi 1° / Impulsi 2°

(1° 2° 1° 2°)

Version

1 = Sha. Ø 10mm
Fla. Ø 90mm
2 = Sha. Ø 12mm
Fla. Ø 90mm
3 = Alb Ø 11mm
Fla Ø 115mm

Uscite

2 = AB	PP11/28V
3 = AB0	PP11/28V
N = AB+$\overline{AB}$	PP11/28V
P = AB0+$\overline{AB0}$	PP11/28V
5 = AB+$\overline{AB}$	LD5V
6 = AB0+$\overline{AB0}$	LD5V
8 = AB+$\overline{AB}$	LD5/12V
9 = AB0+$\overline{AB0}$	LD5/12V

Connections

X = single connector / cable
1 = Cable
2 = 9414
3 = 9416
4 = 9418
5 = 9419
6 = 9426
7 = 9429
8 = 94MIL26
9 = 94MIL32

Connector Position

A = Axial
R = Radial

Options

0 = None
Z = Synchronised zero Pulse to 180° only for Line Driver
W= Synchronised zero Pulse to 90° only for Line Driver
A = Special connections
Y = Power supply 5/12V for output NPN/OC/PP

1°= First bicoder section
2°= Second bicoder section

Connections

	0 Volt	**+ Volt**	**A**	**B**	**$\overline{A}$**	**$\overline{B}$**	**0**	**$\overline{0}$**
Cable 5 Poles	White	Brown	Green	Yellow			Gray	
Cable 8 Poles	Black	Blue	Brown	Beige	Green	Yellow	Pink	Violet
Connector 9414	Pin1	Pin2	Pin3	Pin4			Pin5	
Connector 9416	Pin1	Pin2	Pin3	Pin4	Pin5	Pin6	Pin7	Pin8
Connector 9418	PinA	PinB	PinC	PinD	PinE	PinF	PinG	
Connector 9419	PinA	PinB	PinC	PinD	PinE	PinF	PinG	PinH