

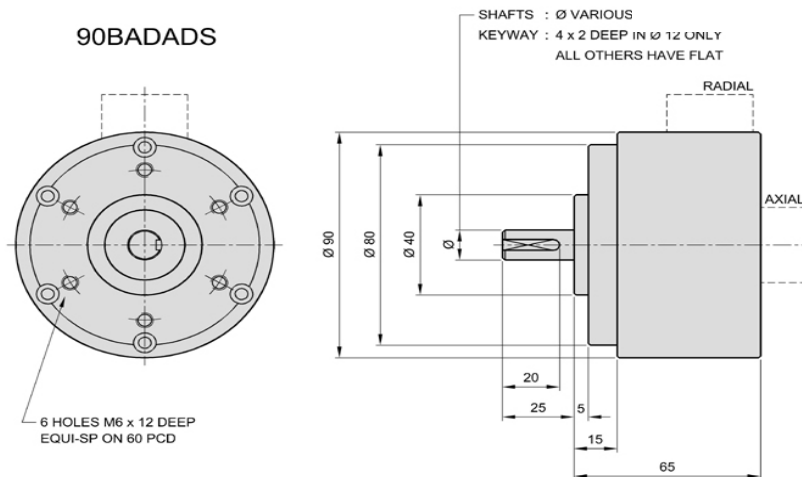
S E R I E S



90DS STAINLESS STEEL

ROTARY INCREMENTAL SHAFT ENCODER

The 90DS Series is a precision yet versatile shaft encoder manufactured in *food industry approved 316 - Stainless Steel* and is sealed to IP56 / IP66 / IP67 / IP68 as standard, making it capable of withstanding direct water jet sprays at up to 220psi (15 Bar). However, its frame size of 90mm makes the encoder compatible with other industrial formats.



S P E C I F I C A T I O N S

Body:

Precision Machined
316 - Stainless Steel

Cover:

Precision Machined
316 - Stainless Steel

Shaft:

Stainless Steel

Bearings:

Ballraces

Shaft Sealing:

Dependant on
environment type
(see Ordering Codes)

Protection:

(IP56 / IP66 / IP67 / IP68)

Operating Temp:

-20 to +85°C
(depending on model)

Maximum Speed:

3000 RPM
(Higher on request)

Torque:

2.9Ncm (typical)



Inertia:

100gcm² (typical)

Shaft Loading:

Axial = 10N (max)
Radial = 10N (max)

Cable:

Screened, oil and salt water
proof

Impulse Frequency:

Up to 200KHz
(depending on model)

Current Consumption:

60mA
(typical - without load)

CONNECTIONS

FUNCTION CABLE PLUG

0 Volts	Black	Pin 1
+ Volts	Red	Pin 2
A Channel	White	Pin 3
B Channel	Blue	Pin 4
Z Channel	Yellow	Pin 5
\bar{A} Channel	Green	Pin 6
\bar{B} Channel	Violet	Pin 7
\bar{Z} Channel	Brown	Pin 8

ACCESSORIES AVAILABLE

~COUPLINGS

~BRACKETS & FLANGES

~MEASURING WHEELS

STANDARD FEATURES

IP56/66/67/68 Protection

$A+B+Z+\bar{A}+\bar{B}+\bar{Z}$

Automatic Calibration

Short - Circuit & Overload Protection

UK Manufactured

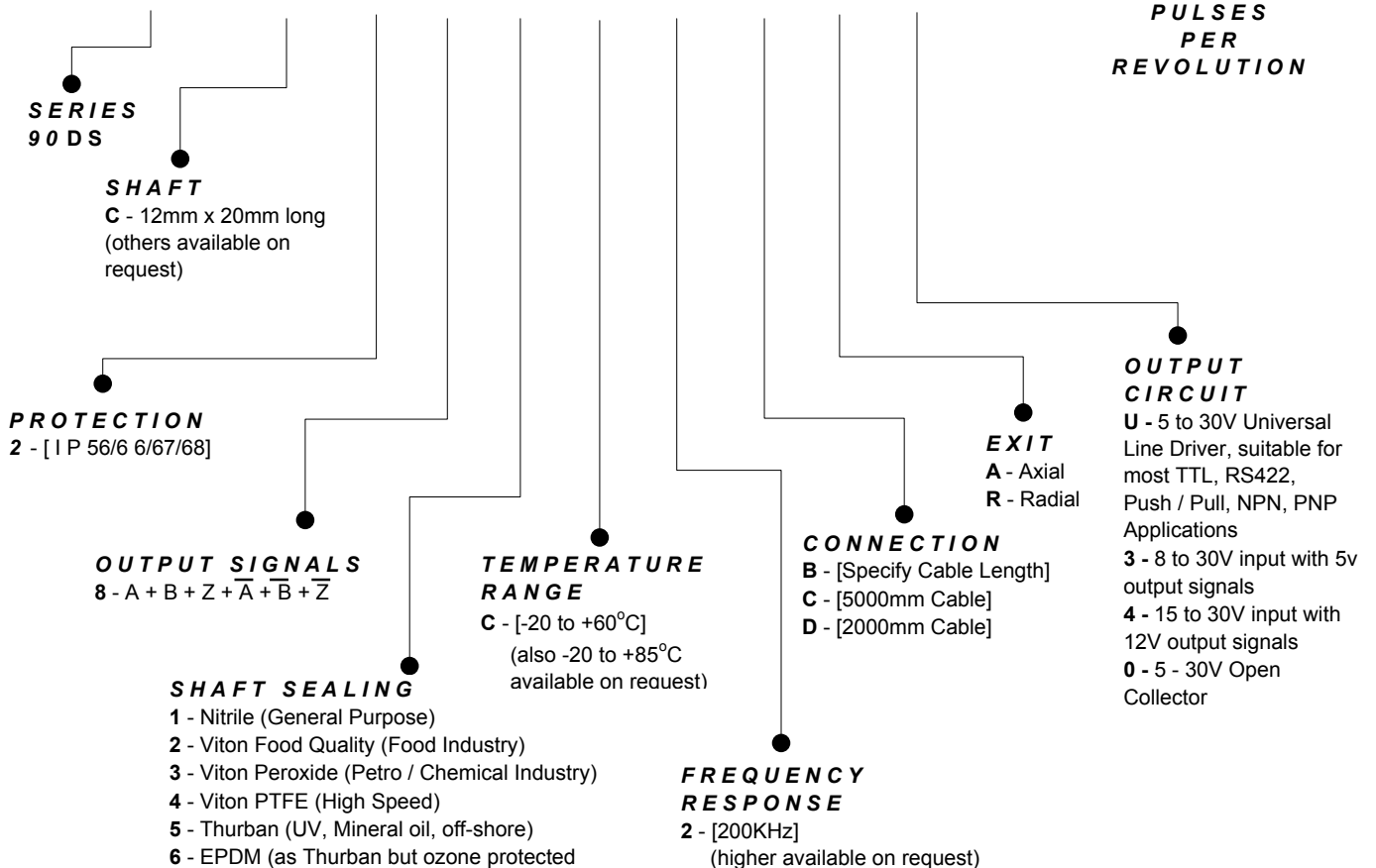
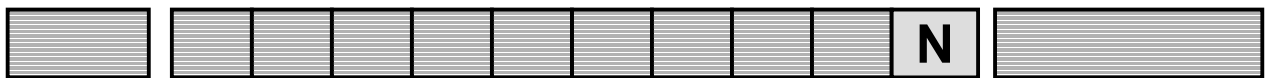
High Noise Immunity

Robust Construction

Fast Delivery

3 YEAR WARRANTY

STANDARD ORDERING CODES



Note: All shaft seals are double-lip and are fitted with appropriate grease.