

Block Wound Coils

Packaging Specification

DATA SHEET



AT A GLANCE

Product code	BWC
Construction	Self-supporting block wound coil
Standard material	Precision drawn wire
Packaging	No core retained in transit
Core sizes available	8 standard sizes, 8" - 25"
Max coil weight	Up to 250 kg

ABOUT BLOCK WOUND COILS

WintWire supplies precision drawn wire in block wound coils, providing a compact, stable and efficient packaging solution that is ideal for automated manufacturing processes. During wire drawing, the material is progressively reduced through a series of precision dies to achieve the required diameter, surface finish and mechanical properties before being carefully wound into uniform coils. To maintain coil stability and prevent excessive residual stress or deformation, the inside core diameter is selected according to the finished wire diameter. Larger diameter wires require larger core sizes to avoid over-bending, while finer wires can be supplied on smaller cores without compromising product quality. Selecting the correct coil size helps preserve wire straightness, minimise handling damage and ensures smooth, consistent pay-off during your manufacturing process.

COIL SIZE RANGE

Core	Outside Dia.	Inside Dia.	Max Weight
8" core	350 mm	200 mm (8")	10 kg
12" core	500 mm	300 mm (12")	25 kg
16" core	600 mm	400 mm (16")	30 kg
18" core	650 mm	450 mm (18")	40 kg
22" core	850 mm	550 mm (22")	150 kg
22" core	850 mm	551 mm (22")	100 kg
22" core	850 mm	552 mm (22")	50 kg
25" core	1000 mm	650 mm (25")	250 kg

Suitable WintWire products

- Stainless and spring steel
- Nickel and cobalt alloys
- Copper alloys and titanium

Core sizing principle

- Larger wire diameters need larger cores
- Finer wires suit smaller cores
- Correct sizing preserves straightness

SELF-SUPPORTING

No core to return

AUTOMATION READY

Consistent pay-off

PRECISION DRAWN

Controlled diameter & finish

STABLE COILS

Matched core-to-wire sizing

Document WW-PS-BWC | Revision: V1.0 | Nominal data. Final coil size and weight suitability must be confirmed at quotation stage.

WintWire Ltd

Manufacturers of speciality round, flat and profile wires
www.wintwire.co.uk

REQUEST A QUOTATION

sales@wintwire.co.uk