



Winget Syncro

Type 'SGD' Coilers

The Winget Syncro coilers illustrated are designed for continuous take-up of all non-ferrous wires, either bare or plastic covered. They may be used with any Winget Syncro intermediate and rod breakdown machines or similar machines of other manufacture.





Specification Type 'SGD' Coilers

Coiler Type	SGD1		SGD3		SGD4	
Take-up Wire Range Copper	0.016" to 0.128"	0.4mm to 3.26mm	0.029" to 0.162"	0.74mm to 4.12mm	0.029" to 0.162"	0.74mm to 4.12mm
Take-up Wire Range Aluminium	0.029" to 0.128"	0.74mm to 3.26mm	0.040" to 0.162"	1.01mm to 4.12mm	0.040" to 0.162"	1.01mm to 4.12mm
Maximum Operating Speed	5,000 fpm	25.4 mps	5,000 fpm	25.4 mps	6,000 fpm	30.5 mps
Coil Sizes						
Outside Diameter	20"	508mm	38"	965mm	46½"	1,180mm
Inside Diameter	13"	330mm	20½"	520mm	25½"	648mm
Effective Height	30"	760mm	54"	1,370mm	54"	1,370mm
Capstan Diameter	17"	432mm	30"	762mm	36"	915mm
Approximate Coil Weight Dependent on Wire Diameter						
Copper	400 lb	180 kg	3,500 lb	1,600 kg	4,000 lb	1,800 kg
Aluminium	120 lb	55 kg	1,050 lb	470 kg	1,200 lb	540 kg
Rotating Platform	No		Optional		Optional	
Motor Power	10 hp	10 hp	15 hp	15 hp	20 hp	20 hp
Power Required	10 KVA	10 KVA	16 KVA	16 KVA	22 KVA	22 KVA
Floor Space Required	86" x 39"	2.2m x 1.0m	86" x 100"	2.2m x 2.5m	86" x 100"	2.2m x 2.5m
Approximate Weight	4,250 lb	1,900 kg	7,000 lb	3,100 kg	9,000 lb	4,000 kg

Features

Drive These coilers are completely self-contained units with inbuilt drive and are designed to operate under either Tension Control or Speed Control according to requirements.

'Petal' lay To assist the removal of wire from coils made on this machine the wire is dropped into the coil in a petal pattern or lay. This is achieved by a rotating distributor attached to the underside of the capstan. The SGD3 and SGD4 coilers may alternatively be supplied without distributor but with a device to eccentrically rotate the coil under the capstan. The speed rotation of the coil may be adjusted to vary pattern form.

Accumulator This device allows a full coil to be removed and an empty stem to be loaded without stopping the coiler.

Loading/Unloading The type SGD1 is normally equipped with a revolving loading platform (as illustrated). Alternatively it may be

supplied with a pass through conveyor of the type fitted to the SGD4 (as illustrated).

Coiling ring
Chrome plated to reduce wear.

Jog pedals
Switches are fitted to enable the Operator to 'inch' the wire drawing machine from the coiler position, and to 'inch' the coiler for string-up.

Automatic operation If desired these coilers may be arranged to unload coils of pre-determined length and load empty stems.

Details available on request.



SGD1 Coiler

Disclaimer

Whilst we have endeavoured to ensure that the information contained herein is accurate, Winget Syncro and Beaumont Machinery do not accept responsibility for any errors or omissions. This specification is subject to amendment.