



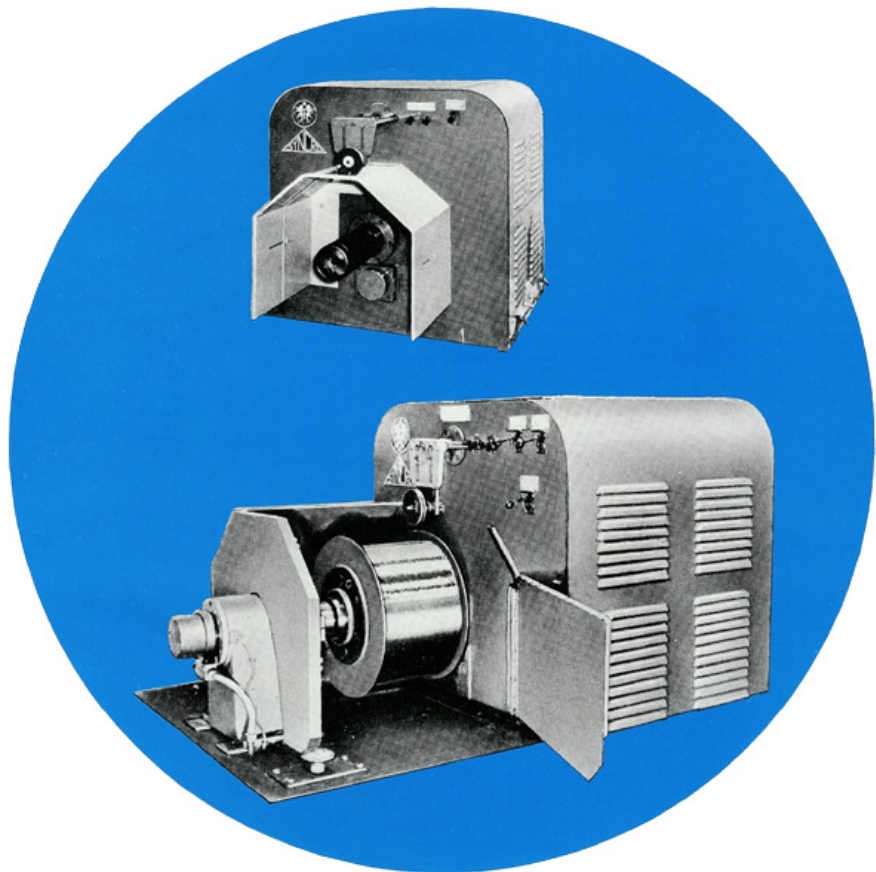
Winget Syncro

Type C3 and DFH Spoolers

suitable for the take-up of non-ferrous wires

These are independently mounted and driven, non-ferrous wire spoolers suitable for use with Winget Syncro, and most other types of rod breakdown and intermediate wire drawing machines.

Constant spooling speed is maintained by the use of an eddy current coupling designed to operate under tension control conditions.





Specification Type C3 and DFH Spoolers

Spooler Type	C3		DFH	
Maximum Spool Capacity	500 lb	226 kg	1,000 lb	454 kg
Maximum Flange Diameter	22"	560mm	30"	760mm
Maximum Traverse	14"	355mm	14"	355mm
Maximum Overall Width	15"	380mm	15"	380mm
Minimum Bore Diameter:				
Expanding Arbor	3"	76mm	5"	127mm
Outboard Bearing	3/4"	19mm	3/4"	19mm
Maximum Arbor Speed	3,200 rpm	3,200 rpm	3,200 rpm	3,200 rpm
Take-up Wire Range Copper	0.0159" to 0.051"	0.40mm to 1.3mm	0.0159" to 0.204"	0.40mm to 5.18mm
Take-up Wire Range Aluminium	0.029" to 0.051"	0.73mm to 1.3mm	0.040" to 0.211"	1.01mm to 5.36mm
Motor Power	5 hp	5 hp	10 hp	10 hp
Power Required	5 KVA	5 KVA	10 KVA	10 KVA
Approximate Weight:				
Expanding Arbor	2,900 lb	1,300 kg	3,100 lb	1,400 kg
Outboard Bearing	3,600 lb	1,600 kg	3,800 lb	1,700 kg
Floor Space Required:				
Expanding Arbor	48" x 42"	1.22m x 1.07m	48" x 42"	1.22m x 1.07m
Outboard Bearing	48" x 78"	1.22m x 2.0m	48" x 78"	1.22m x 2.0m
Compressed Air Required	1 cu ft (28 litres) per spool change at 40 psi (2.8 kg/cm ²)			

Spools outside the limiting dimensions must be submitted for approval.

Features

Spools The design allows a wide range of spool sizes to be accommodated on either an expanding type arbor or between centres when using an outboard bearing.

Drive A wide range of spooling speeds are obtained by using a motor driven eddy current coupling and a four or six speed gearbox.

Distribution (lay) The distributor is hydraulically operated by a small adjustable pump giving variable lay, driven by a constant speed AC motor.

Braking The spooler is brought to rest, synchronised with the machine, by means of the magnetic brake.

Pneumatics

(a) *The ram* for the outboard bearing type outer centre is pneumatically controlled and fitted with a mechanical lock incorporating a safety device whereby should the air fail and the ram move back the spooler is automatically brought to a stop.

(b) *The ejector* is provided to assist the operator in removing the full spool and ejects the spool beyond the expanding arbor onto an unloading platform provided, or clear of the centres in the case of the outboard bearing.

(c) *The unloading platform* fitted to the outboard bearing is inbuilt and pneumatically operated, assisting in both the loading and unloading of the spool.

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.