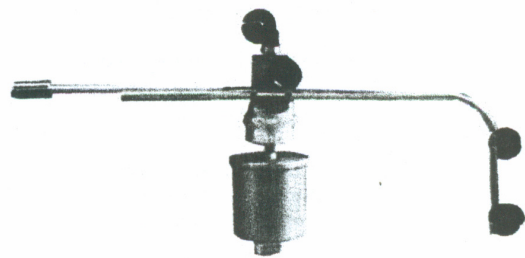
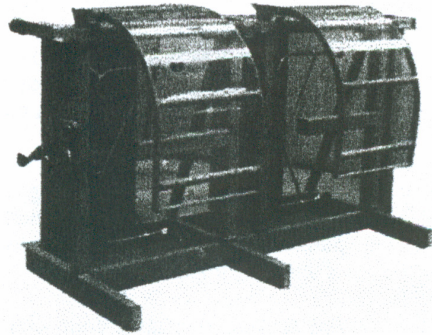
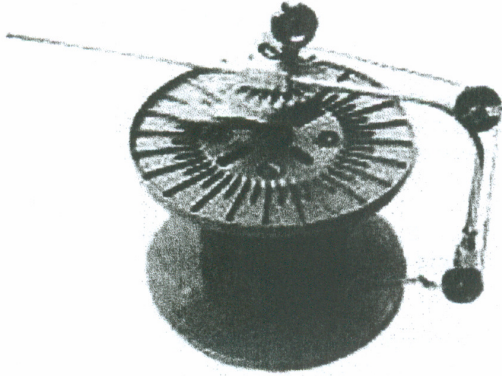


Flyer Payoffs



Flyer payoff equipment comprises 3 main elements

- The brake
- The arm
- A support

Each element can be provided using a wide variety of systems and configurations.

In all applications it is the selection of the appropriate method and combination of elements which offers the best results.

With over 30 years experience supplying only the best systems Marldon can guarantee you the best solution.

Brake Performance

Hysteresis Brakes

Mod	Max. Torque
B1	2.5 Ncm
B2	13.0 Ncm
B4	45.0 Ncm
B9	2.0 Nm
B16	4.0 Nm

Electromagnetic Powder

Model	Max. Torque
PB50	3.25 Nm
PB120	12.0 Nm

Belt Brakes

Model	Max. Torque
B16 - Belt	9.0 Nm

In most applications maximum payoff speed is 300 m/min. Above this speed alternative methods are advisable ("ballooning" systems which we can also supply).

Available systems

Brakes

Hysteresis brakes A magnetic coupling comprising a powerful, permanent magnet disc mounted opposite a special alloy steel (hysteresis) plate. The hysteresis loop formed within the special alloy causes torque which can be varied by adjusting the gap between the two components.

Electromagnetic powder brakes. A coupling comprising an inner armature and an outer induction ring. Between the inner and outer components is a reservoir of magnetic particles whose viscosity is varied by application of an electrical current. This adjustment of viscosity imparts the torque.

Belt brakes. A rotating drum with a fixed belt pulled around the circumference. The amount of tension in the belt will determine the extent of braking and can be effected using pre-tensioning or dynamic feedback methods.

Arms

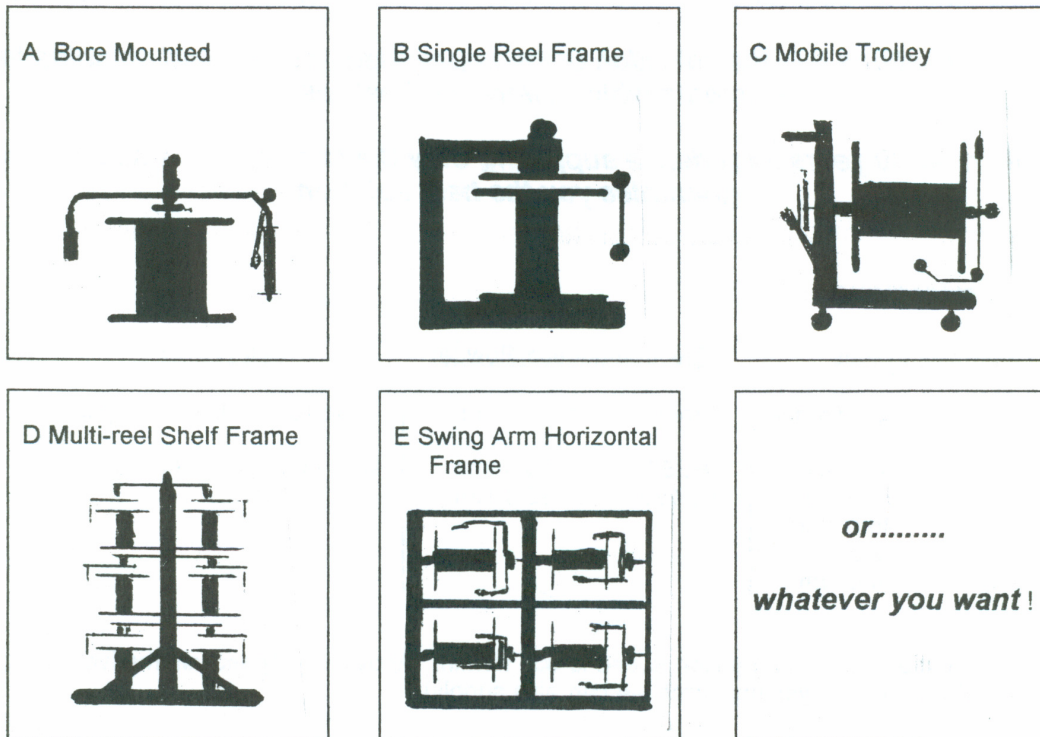
The greatest care is required in selecting the correct type of arm to suit the application. Wire / cable type and diameter; reel size, type, and orientation; and payoff speed will all influence the decision.

Marldon offers over 50 types of arm with either ceramic eyelets or pulleys to suit all applications from fine single wires to multiwire and insulated. We are also able to modify this range to offer specials.

Support Systems

The simplest support method is to mount the flyer in the bore of the reel, with the reel on the floor.

Where it is required to support the flyer above the reel, or to support the reel(s) in a frame, the illustrations below demonstrate our range.



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