

# STAGE BRACES & WEIGHTS / CLEATS

## Sausage Weight Bags

Can be used to weigh down the base of cloths and prevent light leaks. The bags with delta rings can be used to help ropes fly-in or for quiet sash window counterweights. We now fill these bags with steel shot to avoid unnecessary handling of lead by our staff. They are slightly lighter than the old ones but still really heavy!



code	description	Colour	weight	length	price
FHSROH5	Plain	White	3kg	500mm	£27.70
FHSSWB5	Delta rings each end	Black	3kg	500mm	£32.58
FHSSWB1	Delta rings each end	Black	6kg	1m	£53.70

## WEIGHT FILLING OPTIONS

### Lead

We are keen to avoid our staff being exposed to lead so we now use steel shot whenever possible. The steel shot we supply is of excellent quality and is only a little lighter than the lead shot. We still sell lead shot but only in sealed units.

### Lead Shot

For filling very heavyweight bags. The density of solid lead is 11,340 kg/m<sup>3</sup>. A one litre paint kettle filled with lead shot would weigh 7.95 kg.



code	weight	price
FHS026LS	5kg	£35.00

### Steel Shot

For filling heavyweight bags. The density of solid steel is 7,850 kg/m<sup>3</sup>. A one litre paint kettle filled with steel shot would weigh 5.6 kg.



code	weight	price
FHS026SS	5kg	£28.56

### Marble Dust

We use Marble Dust to fill our sand bags as it is clean and supplied very dry. The density of solid marble is 2,563 kg/m<sup>3</sup>. A one litre paint kettle filled with marble dust would weigh 1.92 kg. We no longer sell Marble Dust by the kilo and instead get them pre bagged into handy 4 kg bags. We took this decision to minimise airborne dust in the warehouse which is not only a health hazard but also means we have to tickle everything with a feather duster before we send it out! Grain size: 300 - 710 micron.



code	weight	price
PAT8674 <b>NEW</b>	4kg	£4.50
PAT867B	25kg	£22.62

## CLEATS

Cleats should be fitted at a slight angle to the direction of the pull of the rope. The rope should make one full turn around the main body of the cleat before crossing over the arms three or four times. The final locking hitch should only be done when there is no load on the rope or it will become jammed.

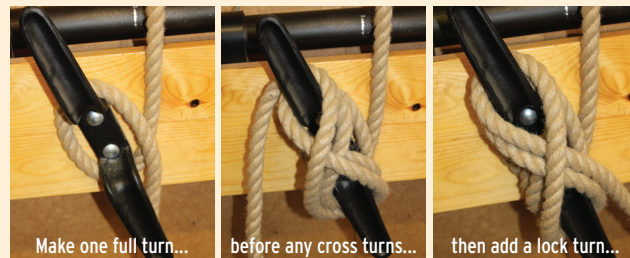
### Flyrail Cleats [Cast Iron and Alloy]

Specialist fittings intended for tying-off manila and polyester ropes. These fittings should be securely bolted to a fly rail or wall and are intended to take the heavy loads associated with hand-hauled flying. To keep the fly floor clear of lines try to choose the largest cleat possible so the excess line can be neatly stored on the cleat. Fixings: M10 bolts or coach screws.



code	Material	length	price
WIR454	Cast Iron	225mm	£17.33
WIR455	Cast Iron	300mm	£17.75
WIR455A	Aluminium	285mm	£25.09
WIR456A	Aluminium	375mm	£33.47
WIR456	Cast Iron	375mm	£21.75
WIR457	Cast Iron	450mm	£29.00
WIR457A	Aluminium	450mm	£58.57

### Tying ropes to cleats



If the cleats are very large it may be possible to just hook any excess rope over the cleat. Normally this is not possible and another method is needed. Coil up the excess rope working away from the cleat but leave about 1 m slack between the cleat and the start of your coil. Working outwards towards the loose end allows any twist to escape. Finally, pass your hand through the coil and pull the slack through, wrap it around the coil, twist it then place the loop over the cleat so it holds up the coil.

For the demo video visit our YouTube channel [www.youtube.com/flintstheatre](http://www.youtube.com/flintstheatre).

**There may be times when a Rope Clutch or Rope Lock [page 240] or the lovely Tibloc Ascender [page 359] might be more appropriate for your job.**

## Nylon Black Cleats

A range of very strong but light marine nylon cleats offering excellent value. The bitter end can be tied between the cleat's legs.



code	length	fastening ø	price
BAR250	75mm	3mm	£2.90
BAR251	100mm	4mm	£3.90
BAR252	125mm	4mm	£6.80
BAR253	170mm	5mm	£8.88
BAR254	210mm	6mm	£12.90
BAR255	245mm	8mm	£23.10

## Cleat Hooks [Galvanised]

A commercial quality fitting with two arms, around which sash cord or similar can be tied off temporarily. These cleats will fracture if the fixings are overtightened or if the arm is hit. We recommend them only for light items such as blinds. For heavier items needing small cleats choose the strong nylon cleats listed above.



code	length	price
WIR450	75mm	£1.35
WIR451	100mm	£1.47
WIR452	125mm	£2.59
WIR453	150mm	£2.50

## Small Brass Cleat

Economically-priced smart cleat measuring 75 mm overall. Useful for nylon blind cords, flag halyards etc. Includes two brass 19 mm screws.



code	length	price
WIR449	75mm	£2.15

## CAM AND JAMMING CLEATS

### Cam Cleat

These cam cleats take ropes from 6 to 12 mm Ø. The tooth design causes minimum rope wear. The rope can be pulled easily through the cams in one direction only. They are fitted with a removable stainless wire fairlead.



code	weight	fastening ø	holding power	price
BAR721	46g	5mm	230kg	£24.49

### Nite Ize Cam Jam

No good at knots? Knot to worry, thread your rope through the cam and it will lock off the rope for you, then lift the cam to release. Great for tensioning smaller diameter ropes/cords with a durable aluminium snap hook for ease of use. See also the knot books on page 402. Comes in 2 sizes to accept ropes from 2 to 5 mm (Max Load: 127 kg) or 3 to 9 mm (Max Load 227 kg)



code	rope diameter	price
SAFNCJSA01R3	2-5mm	£8.50
SAFNCJLA01R3	3-9mm	£11.62

### Nylon Tubular Cleats

A handy small tubular cleat to guide and lock small cords. The cord is quickly and effectively locked by pulling it into the V shaped jaw. Suitable for relatively light applications only.



code	length	fastening ø	max line ø	bore	price
BAR401NY	55mm	4mm	6mm	8mm	£2.21
BAR402NY	80mm	6mm	10mm	13mm	£3.14