



**HARRISON  
FLAGPOLES**

---

# **FLAG** BUYING GUIDE.

[WWW.FLAGPOLES.CO.UK](http://WWW.FLAGPOLES.CO.UK)

The Beaufort Scale of Wind Force				
	Beaufort Number	Wind Type	Effect on Land	Speed (mph)
Flag Length up to 25% of Pole Height	0	Calm	Smoke rises vertically	Less than 1
	1	Light Air	Direction shown by smoke but not by wind vane	1 to 3
	2	Light Breeze	Wind felt on face, leaves rustle, wind vanes move	4 to 7
	3	Gentle Breeze	Leaves and twigs in motion, wind extends light flag	8 to 12
	4	Moderate Breeze	Raises dust, loose paper and moves small branches	13 to 18
	5	Fresh Breeze	Small trees in leaf being to sway	19 to 24
	6	Strong Breeze	Large branches in motion, whistling in telegraph wires, difficulty with umbrellas	25 to 31
Storm Flags Diameter of Bolts Required	7	Moderate Gale	Whole trees in motion, whistling in telegraph wires, difficulty with umbrellas	32 to 38
	8	Fresh Gale	Twigs break off trees, progress impeded	39 to 46
No Flags at all	9	Strong Gale	Slight structural damage occurs, chimney posts and slates blown off	47 to 54
	10	Whole Gale	Trees uprooted and considerable structural damage	55 to 63
	11	Storm	Widespread damage, seldom experienced in England	64 to 75
	12	Hurricane	Winds of this force only encountered in tropical revolving storms.	Above 75

Ground Mounted Poles																	
Pole Size (m)	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
Flag Size (Yd)	1	1.5	1.5	2	2	2	2.5	2.5	3	3	4	4	4	4	5	5	

Angled Poles - Wall Mounted		
Pole Size (m)	3	4
Flag Size (Yd)	1.5	2

Flag sizes can be different depending on the height situated above the ground and the wall thickness of the pole.

Angled Poles - Wall Mounted											
Pole Size (m)	3	4	5	6	7	8	9	10	11	12	
Flag Size (Yd)	1.5	2	2	2.5	2.5	3	3	3	4	4	

The above sizes are the maximum sizes for the pole. Flag sizes can vary depending on the location of the pole, the height of the pole situated above the ground and the wall thickness of the pole.

Standard Flag Sizes (1)		
Flag Size (Yd)	Flag Size (Ft)	Flag Size (m)
0.5	1' 6"	0.46 x 0.23
1	3' x 1' 6"	0.91 x 0.46
1.5	4' 6" x 2' 3"	1.37 x 0.69
2	6' x 3'	1.83 x 0.91
2.5	7' 6" x 3' 9"	2.29 x 1.14
3	9' x 4' 6"	2.74 x 1.37

Standard Flag Sizes (2)		
Flag Size (Yd)	Flag Size (Ft)	Flag Size (m)
3.5	10' 6" x 5' 3"	3.2 x 1.6
4	12' x 6'	3.66 x 1.83
5	15' x 7' 6"	4.57 x 2.29
6	18' x 9'	5.49 x 2.74
8	24' x 12'	7.31 x 3.66
10	30' x 15'	9.14 x 4.58

### **Hand Sewn Flags**

Our hand sewn flags are manufactured in the UK from the highest quality MOD approved material.

Flags are made using a woven polyester with knitted polyester overlays. Single or double sided is available, however national flags are always single sided.

Hand sewn flags are a more traditional style flag and are made of thicker material than printed flags. They are therefore more durable and longer lasting than printed flags. Virtually any design/ logo can be manufactured.

### **Screen Print & Digital Flags**

The number of colours within the artwork and the quantity required are the main factors to consider when selecting the appropriate print process. Both screen and digitally printed flags are commonly produced on 115 gram knitted polyester, however, we can also print onto 150 gram woven polyester.

There are two main types of print processes.

Screen Print: Typically results in a more vibrant colour finish and is more cost effective when larger quantities are required (20+ flags).

Digital Print: Commonly used for: lower quantities (1-20 flags), when the artwork contains shading, when there are more than 5 colours, or when there is a specific Pantone® colour requirement.

### **Flag Finishing**

All of our flags are manufactured to the highest standard and are available in various finishes so they can be flown on any type of flagpole.

Anti fray netting can be added onto the fly end of the flag so it takes the whip of the wind and begins to fray before the flag. When the anti fray starts to fray, simply return it to us and more anti fray netting can be added to the flag, thus extending the life of your flag. Anti fray is very cost effective, when taking into account the initial flag investment.

**What size flag do I require?**

We can produce any size required. If you are flying your flag on a flagpole then you should follow particular guidelines (see conversion table on page 5).

**Do I require single sided or double sided flags?**

Single sided prints have a mirror image on the back of the flag as the design bleeds through onto the reverse. Double sided reads correctly on both sides, which is two prints sewn together back to back with an inter liner inbetween.

**How do I want the flags finished?**

Finishing of flags is depended on how the flag will flown and on what type of flagpole:

Rope and toggle - traditional flag finish

Sleeved and eyeleted - for use on a swivel arm flagpole

Sleeved and mast bands - for use on a swivel arm flagpole

**What material do I want my flag made of?**

The two most popular materials are knitted polyester (printed flags) and woven (hand sewn and printed). Hand sewn flags will generally last longer than any printed flag as the material is thicker (150gsm-200gsm compared to 115gsm knitted polyester). If you require flags for temporary, medium or event use, printed flag are ideal.

**How many colours does my artwork contain?**

The number of colours and flag quantity mainly affects the price of printed flags. For large quantities, flags are better screen printed. However the number of colours required will affect the price. (The fewer colours there are, the lower the price will be.)

If flags are digitally printed, the artwork can contain as many colours as you like and will not affect the price. Digital printing is more expensive than screen printing when larger quantities are required but cheaper on smaller quantities.

**How long will my flag last?**

No flag manufacturer can guarantee how long a flag will last because it depends on how the flag is maintained. There are many elements that can affect the life expectancy of your flag, geographical location, material used, weather conditions, and location of the flagpole.

Flag Protocol

- » Universal custom to display only from sunrise and sunset.
- » Union flag must always be flown from the senior flagpole.
- » The senior flagpole is either highest of the group, or if all flagpoles are the same height, the senior flagpole is furthest to the left when viewed from a position facing the poles.
- » When a number of national flags are displayed together, the host flag should take the senior flagpole with the other countries arranged alphabetically.
- » One flag must never be flown above another on the same flagpole. Traditionally, this symbolises that the nation displayed on the lower flag has been defeated in battle.
- » The Union flag takes precedence over the Queen’s Award which take precedence over a house flag.

Recommended Flag Sizes to Fly on a Flagpole					
Standard Flag Sizes			Ground Mounted Flagpoles	Wall Mounted Angled Flagpoles	Wall Mounted Vertical Flagpoles
Flag Size (Yd)	Flag Size (Ft)	Flag Size (m)	Pole Size (m)	Pole Size (m)	Pole Size (m)
0.5	1' 6"	0.46 x 0.23			
1	3' x 1' 6"	0.91 x 0.46	3		3
1.5	4' 6" x 2' 3"	1.37 x 0.69	4 / 5	3	
2	6' x 3'	1.83 x 0.91	6 / 7 / 8	4	4 / 5
2.5	7' 6" x 3' 9"	2.29 x 1.14	9 / 10		6 / 7
3	9' x 4' 6"	2.74 x 1.37	11 / 12		8 / 9 / 10
3.5	10' 6" x 5' 3"	3.2 x 1.6			
4	12' x 6'	3.66 x 1.83	13 / 14 / 15 / 16		11 / 12
5	15' x 7' 6"	4.57 x 2.29	17 / 18		
	18' x 9'	5.49 x 2.74			
8	24' x 12'	7.31 x 3.66			
10	30' x 15'	9.14 x 4.58			

# Flag Finishing



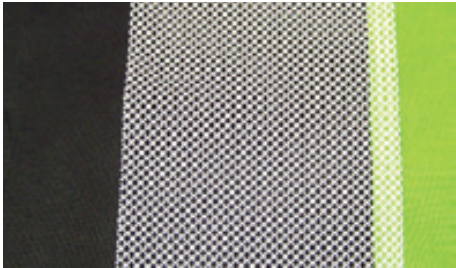
**Rope and Toggle**



**Sleeve and Eyelets**



**Sleeve and Mastbands**



**Anti Fray**

**Harrison Flagpoles**

38 Borough Road, Darlington, DL1 1SW

01325 355 433

[www.flagpoles.co.uk](http://www.flagpoles.co.uk)

[sales@weareharrisons.com](mailto:sales@weareharrisons.com)