

FLAG BUYING GUIDE

A HARRISON EXTERNAL DISPLAY SYSTEMS GUIDE



The Beaufort Scale of Wind Force

	Beaufort No.	Wind Type	Effect on Land	Speed (mph)
Flags 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 begin to sway	19 to 24
Storm Flags	6	Strong Breeze	Large branches in motion; whistling in telegraph wires; difficulty with umbrellas	25 to 31
	7	Moderate Gale	Whole trees in motion; whistling in telegraph wires; difficulty with umbrellas	32 to 38
No Flags at All	8	Fresh Gale	Twigs break off trees; progress impeded	39 to 46
	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

Recommended Flag Sizes

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

Vertical 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

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

The above sizes are the MAXIMUM flag 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.

Conversion Table

Standard Flag Sizes		
Flag Size (Yd)	Flag Size (Ft)	Flag Size (m)
0.5	1' 6" x 9"	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		
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 background with knitted polyester layering. 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 typically produced on 115 gram knitted polyester, however, we can also print onto 150gram 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 is used for lower quantities (1 - 20 flags), when the artwork contains shading, 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 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 therefore extending the life of your flag. Anti Fray is very cost effective when taking into account your initial flag investment.



Rope & Toggle

Landscape flags to suit external pole



Sleeve & Mastband

Portrait flags to suit fixed & hoistable swivel arm flagpole



Sleeve & Eyelet

Portrait flags to suit fixed & hoistable swivel arm flagpole



Anti-Fray Netting

(Optional extra)

What size of flag do you 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 you require single sided or double sided flags?

Single sided prints have a mirror image on the back of the flag with a bleed through of the design on the reverse.
Double sided - reads correctly both sides - 2 prints are sewn together back to back with an inter liner.

How do you want the flags finished?

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

- » **Rope and toggled** - traditional flag and 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 you want your 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 flags as the material is thicker (150grms to 200grms compared to 115g knitted polyester). If you require flags for temporary, medium or event use printed flags are ideal.

How many colours does your 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 require as the price does not fluctuate. Digital printing is more expensive than screen printing when larger quantities are required but cheaper on smaller quantities.

How long will your flag last?

No flag producer 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 including geographical location, material used, weather conditions and location of the flagpole.

Flag Protocol

- » Universal custom to display flag only from sunrise and sunset
- » Union flag must always be flown from the senior flagpole
- » The senior flagpole is either the higher of the group, or if the flagpoles are all 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 takes precedence over a house flag

Recommended Flag Sizes to Fly on Flagpoles

Flag Size (Yd)	Standard Flag Sizes		Ground Mounted Flagpoles	Wall Mounted Angled Flagpoles	Wall Mounted Vertical Flagpoles
	Flag Size (Ft)	Flag Size (m)	Pole Size (m)	Pole Size (m)	Speed (mph)
0.5	1' 6" x 9"	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		
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			

DELIVERING THE BEST BRANDING EXPERIENCE

HARRISONEDS

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