

Print Preflight Checklist

Minimum line thickness & font size by decoration method. Treat every figure as a floor, not a target.

Minimums by decoration method

Method	Min line / stroke	Min text	Notes
Screen printing	1 pt (0.35 mm); 2 pt reversed	8 pt	Halftones to ~55 LPI
DTG	0.5 to 1 pt	6 pt bold	300 dpi CMYK; white underbase
DTF / heat transfer	0.014 in (~1 pt); 0.028 in knockout	Bold sans small	300 dpi
Sublimation	~0.5 pt	6 pt	Polyester only; full bleed
Pad printing	~1 pt (detail to ~0.2 mm)	6 to 8 pt	Small print area
Laser engraving	1 pt	10 pt	Solid black/white, no greys
Embroidery	Stitch length >= 1 mm	5 mm letters (8 mm safer)	All caps, block fonts
UV printing	0.5 to 1 pt	6 pt	White underbase; avoid hairlines
Fine offset / labels	0.25 pt absolute floor	4 pt	Tints <10% drop, >90% fill

Reversed (knockout) art

Add a point or two to every minimum. A 1 pt positive line becomes ~2 pt reversed; 8 pt text is safer at 10 to 12 pt knocked out, because ink, thread, and engraved edges spread into the gaps.

Point / mm / inch conversion

Points	Millimetres	Inches
0.25 pt	0.09 mm	0.0035 in
0.5 pt	0.18 mm	0.007 in
1 pt	0.35 mm	0.014 in
2 pt	0.71 mm	0.028 in
3 pt	1.06 mm	0.042 in

1 pt = 1/72 inch = ~0.353 mm

Before it goes to production

- Lines >= 1 pt for screen, pad, laser, transfers; double for reverse.
- Text >= 8 pt screen, 10 pt laser, 5 mm letters embroidery.
- Laser: solid black and white, no greys or tints.
- Knockout space >= 0.028 in (~2 pt) on transfers.
- Trademark / registered marks >= 0.031 in with a real stroke.
- Raster art at 300 dpi at final size, or rebuilt as vector.
- Fonts outlined or embedded; no hairline strokes.
- Run the check per decoration method and per SKU, not once per logo.