

JOHN DORY - Hull Materials

(for the basic open rowing version)
Minimum extra length is allowed for waste

Temporary frames, spalls	3/4" x 2-3/4"	50'	20 x 45	15m
Frames	3/4" x 4-3/4"	28'	20 x 120	8m
Sheer Clamp	5/8" x 1-1/2"	70'	15 x 38	12m
Risers	3/4" x 1-3/4"	24'	20 x 45	8m
Gunwales	5/8" x 1-1/4"	44'	15 x 25	14m
Rubbing strips	3/4" x 1-3/8"	12'	20 x 35	4m
Stem	2" x 3-1/4"	3 1/2'	45 x 50	1m
Outer Stem	3/8" x 1-7/8"	11'	10 x 50	4m
Transom	1-1/4" x 11-3/4"	3 1/2'	30 x 300	1m
Partner, breast hook	1-1/8" x 6-1/4"	4'	30 x 160	1 1/2m
Thwarts	3/4" x 7-3/4"	15'	20 x 200	5m
Floor boards	1/2" x 3"	60'	12 x 75	20m
Floor cleats	3/4" x 3/4"	20'	20 x 20	7m
Centre case	3/4" x 1-1/4"	16'	20 x 30	5m
Centre case	1/2" or 1" x 1-1/2"	2'	12 or 25 x 40	1m
Centre case	3/4" x 3/4"	5'	20 x 20	2m
Skeg	7/8" x 3"	3'	22 x 75	1m

PLYWOOD - 8' x 4' sheets (2440 x 1120)

Bottom	1 sheet	5/8" - 15mm
Garboards	1 1/2 sheet	3/8" - 9mm
Topsides	1 1/2 sheet	1/4" - 6mm
Centre case	1/3 sheet	3/8" - 9mm
O.B. well	1/4 sheet	3/8" - 9mm

FASTENINGS

Steel woodscrews: 1-1/2" x 8 - 70 for moulds. 2" x 10: 14 for spalls.
Drywall or self-tapping screws: for planking: 100 1/2" x 8 (12 x 4mm).

Silicon Bronze countersunk woodscrews:

2" x 10	(50 x 5mm) - 12 for stem, breasthook, partner.
1-1/2" x 10	(40 x 5mm) - 40 for inwales, risers, thwarts (and rowlocks?)
1-1/2" x 8	(40 x 4mm) - 150 for gunwales, rubbing strips. (see below)
1" x 10	(25 x 5mm) - 30 for centre-case bottom rails.
3/4" x 8	(20 x 4mm) - 90 for centre-case, top rails, floorboards.

Gripfast bronze nails:

1" x 12	(25mm) - 20 for 1/2" plywood (assuming 1/2" bottom) - 250g
7/8" x 14	(22mm) - 100 for 3/8" plywood (assuming 3/8" garboards) - 175g
5/8" x 16	(15mm) - 100 for 1/4" plywood (assuming 1/4" topsides) - 200g