



ORION 120

Carbon fiber sailboat steering

EXIT
CARBON

BETTER
YACHTING

 MADE IN ITALY

www.exitcarbon.com

Carbon fiber **sailboat steering**

Exit Carbon wheels are suitable for sailing yachts, racing yachts, catamarans, and trimarans: ideal for anyone looking for a more responsive helm and enhanced comfort while, at the same time, increasing safety.

Exit Engineering was the first company to design and manufacture a wheel built in one piece, with no gluing of separate parts, unlike all other brands.

TECHNICAL DATA

Overall diameter	1200 mm
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Hub thickness	60 mm
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Rim thickness	35 mm
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Weight	1.75 Kg
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ORION 120

Space age technical exclusivity

Best results in terms of lightness, strength, and consistency.

The exact same wheel we supply to the fastest ocean racers is available for your yacht as well. Our shape seems easy to copy, but our construction is still unmatched.

European Patent 1755869B1

Exit Engineering was the first company to design and manufacture a wheel built in one piece - unlike those of all other brands at the time - without gluing separate parts.



The right hub for any axle

Our four standard hubs are always available and fit most steering wheel axles and we have stainless steel adapters for the 2 most common flange fittings, by Edson and JP3.

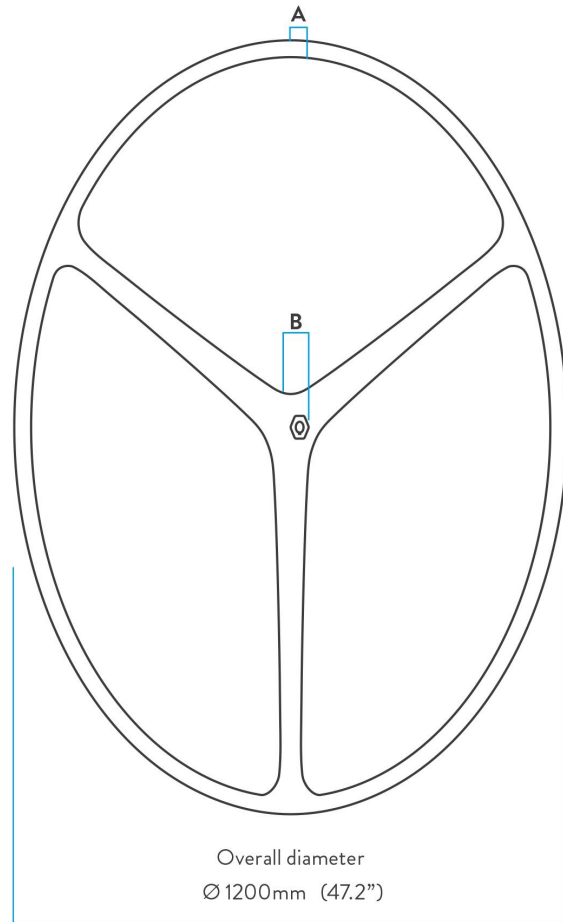
Many other brands of steering systems use the same fittings so check the drawings if in doubt.



Photo credit - Mylius Shipyard

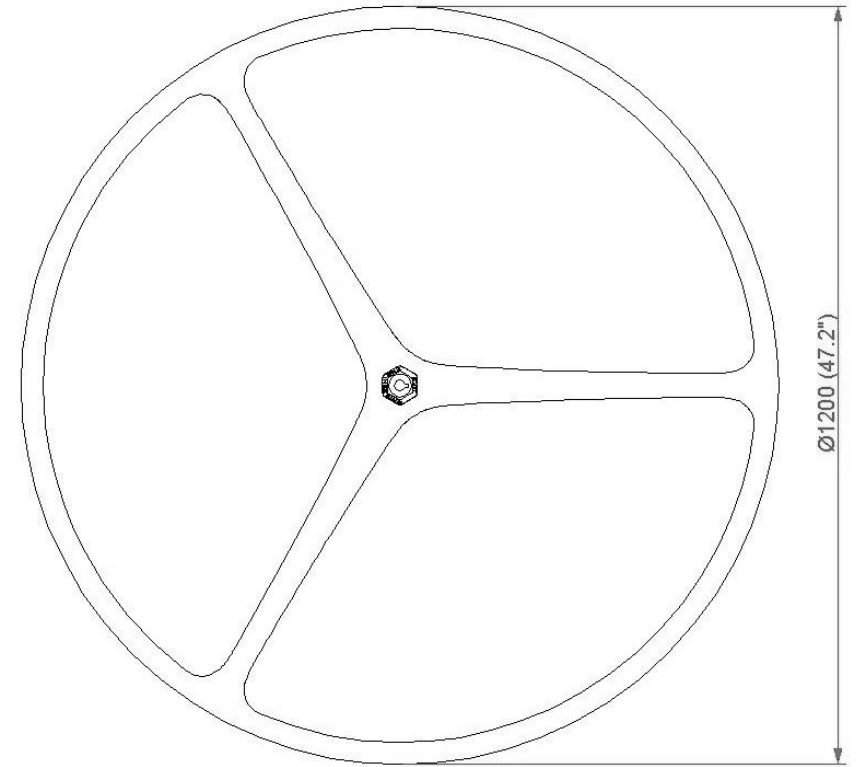


DAME Award Nominated
for three-spoke design
and monocoque construction



hub thickness 60 (2.4")

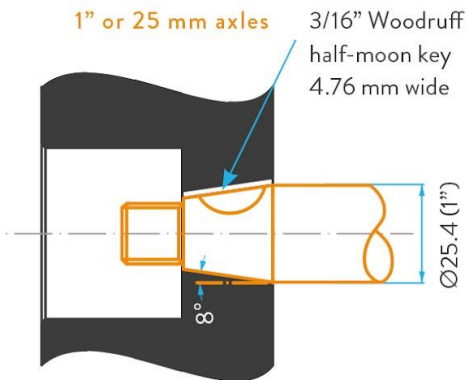
rim diameter Ø35 (1.4")



The most common steering axles

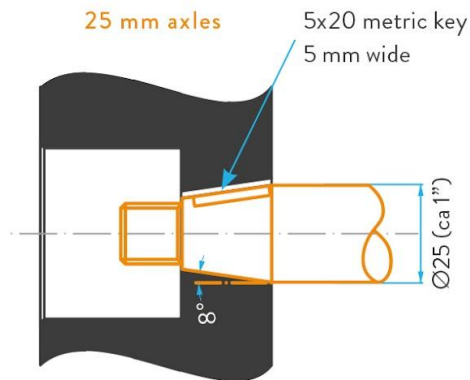
Tapered with 3/16" (4.76 mm) key

LEWMAR/EDSON/JP3 (TAPERED)
8° tapered axle, 3/16" Woodruff key



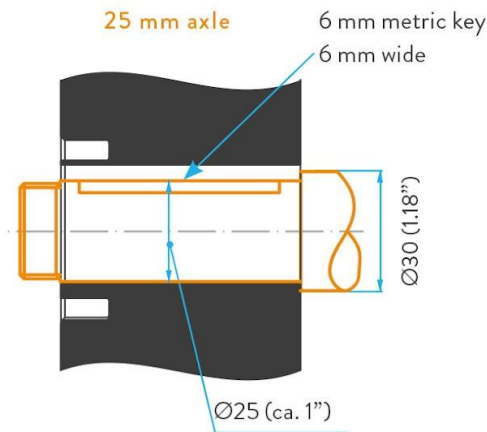
Tapered with 5 mm key

JEFA/SOLIMAR (TAPERED)
8° tapered axle, 5 mm metric key



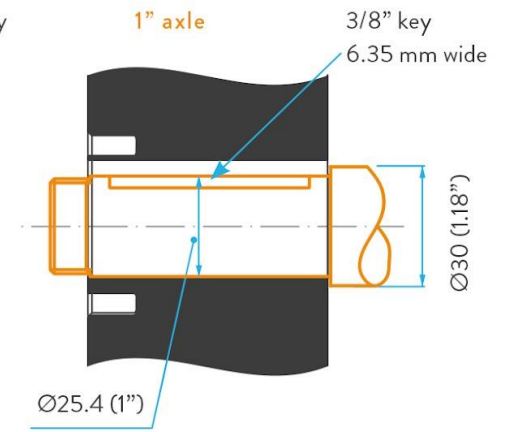
Cylindrical with 6 mm key

SOLIMAR CYLINDRICAL
Untapered axle, 6 mm metric key



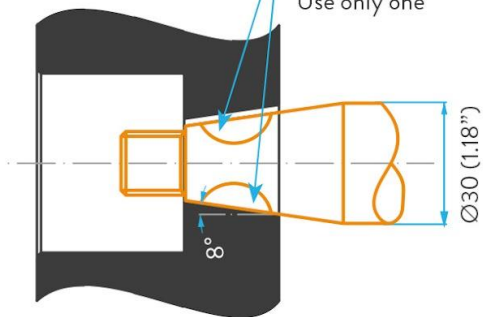
Cylindrical with 3/8" (6.35 mm) key

EDSON CYLINDRICAL
1" untapered axle, 3/8" imperial key



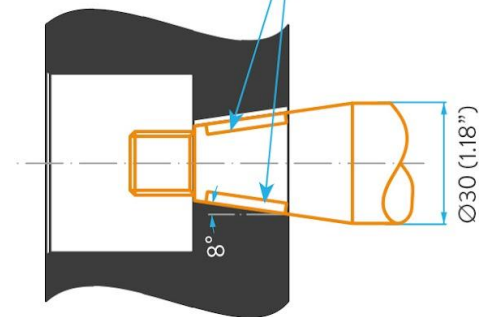
30 mm axles

Double 3/16" Woodruff half-moon key 4.76 mm wide
Use only one



30 mm axles

Double 5x20 metric key 5 mm wide
Use only one



ADDITIONAL HUBS

JP3 ALUMINIUM SHAFT	30 mm dia. shaft, 6° taper angle, 3/16" Woodruff half moon key (4.76 mm wide)
NORTHWIND TAPERED	25 mm dia. shaft, 5° taper angle, 6 mm metric key
TELEFLEX TAPERED	19 mm (3/4") dia. shaft, 2.5° taper angle, 3/16" Woodruff half moon key (4.76 mm wide)
PRIME PROJECTS TAPERED	30 mm dia. shaft, 3.4° taper angle, 8 mm metric key
MCCONAGHYS TAPERED	30 mm dia. shaft, 3.15° taper angle, twin 6 mm metric key
MARSILI 10% TAPERED	25 mm dia. shaft, 10% taper, 8 mm metric key

Options

Custom Painting

Gangways, swim ladders, walking surfaces, wheels, sun awning poles, can be painted in different colors. Please refer to the table to choose your color combination.

Our standard antiskid surface color is *RAL 7036 Platinum Grey*.



RAL
7015 Slate Grey

AWLGRIP
N1101 Whisper Grey

RAL
7036 Platinum Grey

RAL
7044 Silk Grey

AWLGRIP
N8102 Oyster White

AWLGRIP
G8009 Off White

AWLGRIP
G8044 Snow White

RAL
3004 Purple

RAL
8001 Ochre Brown

RAL
1019 Grey Beige

AWLGRIP
N6103 Desert Sand

RAL
7032 Pebble Grey

AWLGRIP
N5103 Majestic Blue

RAL
5013 Cobalt Blue

AWLGRIP
N5100 Aristo Blue

AWLGRIP
N5110 Navy Blue

AWLGRIP
N5106 Royal Blue

For an unlimited choice of color, please contact us, explaining your needs.

Sunbrella marine plus cover

Protect your carbon wheels with our exclusive Sunbrella Marine Plus covers. You can choose different colors: Blue, Dune, Grey





EU-TYPE-EXAMINATION CERTIFICATE

CERTIFICATE NUMBER -21-10-2979-

European Certification Bureau Nederland BV, Notified Body 0614, declares
that the product type as described below and specified in Annex I

Product name **Steering Wheel type Orion**
Product description Carbon fibre 3 spoke steering wheel in diameters 900,
1050 and 1200 mm

Manufacturers name **Exit Engineering S.R.L.**
Manufacturers address Via Industria, 43
30010 Camponogara, Venice
Italy

is in compliance with the essential requirements of the European Recreational Craft
Directive 2013/53/EU. The product as assessed has been found to comply with the
relevant parts of ISO standards and normative documents as listed in Annex I

Certification module **B (EU type-examination)**

Issue date 29-October-2021

This certificate remains property of ECB Nederland BV and remains valid unless
cancelled or revoked, provided the conditions of the certification contract remain
complied with and the certified product is not modified.

CERTIFICATE

This certificate consists of 1 page and 1 annex

For ECB Nederland,

Signature
name
function

H.J. Bloemers, B. Eng
Senior Executive



ECB Nederland www.ecb.nl +31(0)299 323123 info@ecb.nl



EU-TYPE-EXAMINATION CERTIFICATE

CERTIFICATE NUMBER -21-10-2979-

Annex I

Main particulars of Certified product

Overall largest diameter: 1200 [mm]

The Certified product has been assessed on basis of the following

Technical Documentation as in ECB file: EXP-3667, and described in final report
'211029 report 1 EXP-3667'

Construction and production plans, as detailed in Technical Documentation, kept by
Applicant:

- EC1093-HubA.01 Orion 120 carbon steering wheel with type A hub for 8.28deg tapered axle with 3_16in Woodruff key
- EC1109-HubA.01 Orion 105 carbon steering wheel with type A hub for 8.28deg tapered axle with 3_16in Woodruff key
- EC1107-HubA.01 Orion 90 carbon steering wheel with type A hub for 8.28deg tapered axle with 3_16in Woodruff key
- EC1187.01 Ply book Orion carbon wheels D_1300 mm

Optional hub types:

- type A hub for 8.28deg tapered axle with 3/16 inch Woodruff key
- type D hub for 25mm axle with 6mm metric key
- type M hub for JP3 90mm flange 5 screws to hub
- custom built hub types

The Certified product is found to comply with the relevant parts of ISO standards and normative documents listed below

EN ISO 8847:2017 Steering gear – Cable and pulley systems, clause 5.6 'Steering-
wheel'

This certificate consists of 1 page and 1 annex

For ECB Nederland,

Signature
name
function

H.J. Bloemers, B. Eng
Senior Executive



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ORION 120

Carbon Fiber Sailboat Steering Wheels

					PRICE		
MODELS	DIAMETER	HUB THICKNESS	RIM THICKNESS	WEIGHT	WHEELS	COVERS	PAINTING
Quantum	Ø 93,5 cm	60 mm	35 mm	1.34 Kg	€2,640	€255	€320
Millennium	Ø 105 cm			1.52 Kg	€2,810	€265	€330
Orion 120	Ø 120 cm			1.75 Kg	€2,400	€290	€345
Nautilus	Ø 164 cm		40 mm	3,18 Kg	€3,630	€550	€375
Arcadia	Ø 172 cm			3.28 Kg	€3,850	€575	€385
Enterprise	Ø 184 cm			3.68 Kg	€4,070	€595	€400

STANDARD FINISHING

High gloss carbon fiber visible finishing with anti UV coating. Ample choice of beautiful RAL and Awlgrip ® colors, on option. Custom colors +€110. Metallic paint: +€110.

CONFIGURATION

Hub compatible with any steering shaft. See list below and send drawing for different kinds.

OPTIONAL WHEEL COVER

Tight fit, made to measure, Sunbrella Marine Plus ® covers. Choice of 3 colors.

5049 Charcoal grey, 5026 Dune (+€150), 5031 Marine blue (+€150)

Choices of color

Slate Grey - Whisper Grey - Platinum Grey - Silk Grey - Oyster White - Off White - Snow White - Purple

Ochre Brown - Grey Beige - Desert Sand - Pebble Grey - Majestic Blue - Cobalt Blue - Aristo Blue

Navy Blue - Royal Blue For even more colors, ask a quote.

ALWAYS AVAILABLE STEERING HUBS

Hub A	Lewmar / Edson / JP3 tapered (1" or 30 mm dia. shaft, 8° taper angle, 3/16" Woodruff half moon key)	included
Hub B	Jefa / Solimar tapered (25 or 30 mm dia. shaft, 8° taper angle, 5 mm metric key)	included
Hub D	Solimar 25 mm untapered (25 mm dia. shaft, 60 mm long, 6 mm metric key)	included

ADDITIONAL, MADE TO ORDER STEERING HUBS

Hub E	Edson 1" untapered (1" dia. shaft, 60 mm long, ¼" key)	€255
Hub G	JP3 aluminium shaft (30 mm dia. shaft, 6° taper angle, 3/16" Woodruff half moon key)	€255
Hub H	Teleflex tapered (¾" dia. shaft, 2.5° taper angle, 3/16" Woodruff half moon key)	€255
Hub R	Northwind tapered (25 mm dia. shaft, 5° taper angle, 6 mm metric key)	€255
Hub L	Prime Projects tapered (30 mm dia. shaft, 3.4° taper angle, 8 mm metric key)	€255
Hub I	McConaghys tapered (30 mm dia. shaft, 3.15° taper angle, twin 6 mm metric key)	€255
Hub M	JP3 90 mm flanged hub, 5 screws to hub	€400
Hub N	JP3 90 mm flanged hub, 6 screws to column	€400
Hub O	JP3 Square tapered keyless axle	€275
Hub P	Marsili 10% taper (25 mm dia. shaft, 10% taper, 8 mm metric key)	€255
Hub Q	JP3 30mm dia axle, 8° taper, 6mm metric key	€255

ADAPTERS FOR FLANGED SHAFTS

AISI316L Stainless Steel adapter for Edson 138 mm dia. flange	€330
AISI316L Stainless Steel adapter for for JP3 90 mm dia. flange	€330
<i>Any other kind of shaft can be made to measure. Provide drawing.</i>	ASK

www.exitcarbon.com

EXIT CARBON IS MANUFACTURED

by **EXIT ENGINEERING**

For more details, please send us an email at info@exitcarbon.com

HEADQUARTERS

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