

0	initial design	Pr	04.09.2022
REV.	MODIFICATIONS	BY	DATE
	Builder Penguin Shipyards International		
	Project 35m Catamaran Ferry H 505		
	Title Rudder Details		
Free Dimensions acc. ISO 2768-mK	Surface Roughness acc. ISO 1302	Refer to proprietary notice ISO 16016	Date 04.09.2022
		Plot Size A4	Designed by E. Praefke
		Title: AssemblyRudder	Document No: 4100.501.689.000
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Due to the use of different metallic materials in the presence of sea water, the issues of galvanic elements and electrolytic corrosion are to be considered appropriately!

A-A (1 : 10)

B-B (1 : 10)

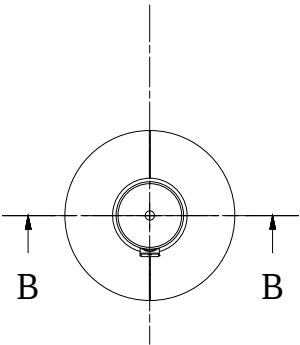
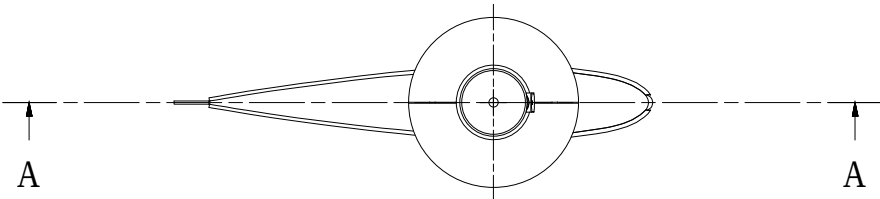
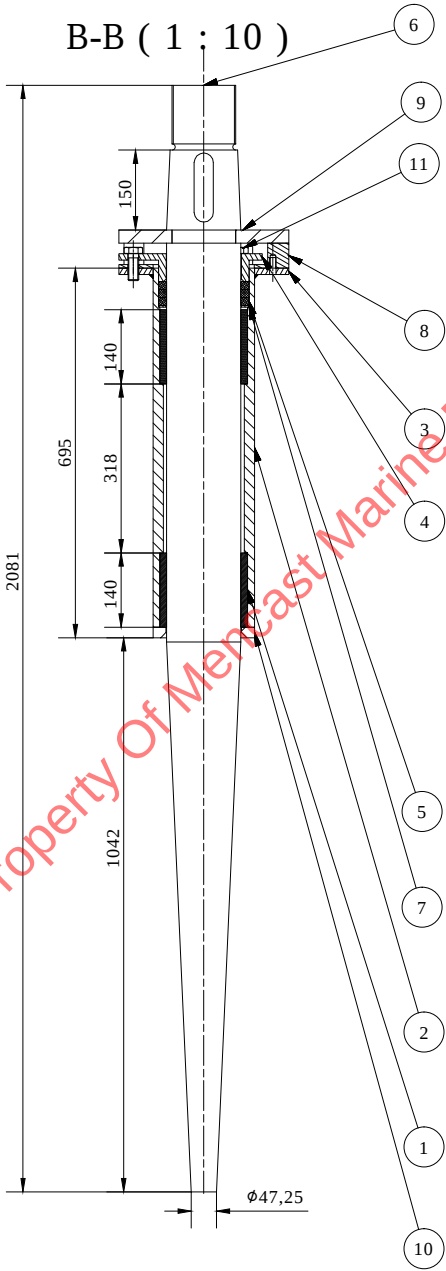
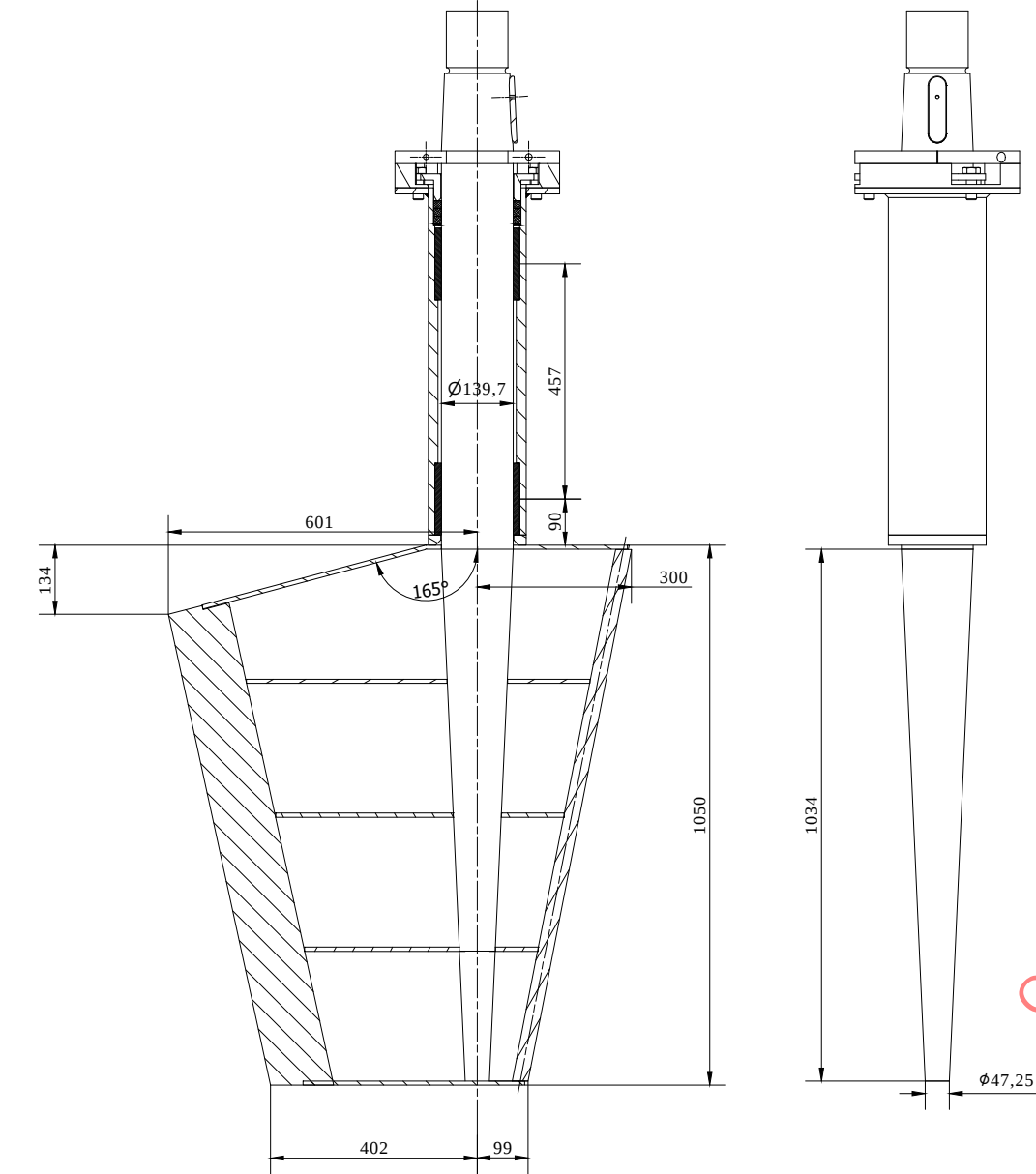
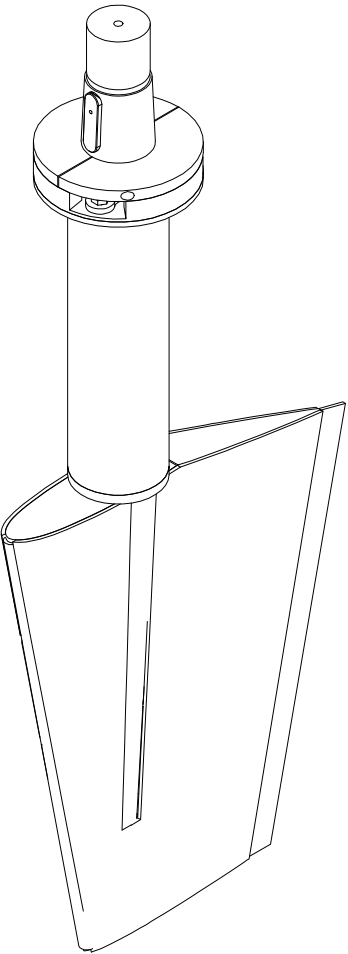
PART LIST				
ITEM	QUANTITY	PART	MATERIAL	WEIGHT
1	2	Bearing	Thordon SXL	0,8 kg
2	1	Rudder Trunk	Aluminium - 6061	15,4 kg
3	1	Rudder Trunk Rim	Aluminium - 6061	1,6 kg
4	1	PackingGland	Aluminium - 6061	1,7 kg
5	3	Packing	supplier specification	0,1 kg
6	1	Rudder Stock	Duplex Steel (1.4462)	175,1 kg
7	1	PackingRing	Aluminium - 6061	0,1 kg
8	1	ThrustWasher	Bronze	9,8 kg
9	1	SplitCollar	Stainless Steel 316 (1.4401)	13,1 kg
10	1	Jumping Collar	Aluminium - 6061	0,6 kg
11	3	ISO 4017 - M20 x 50	Stainless Steel	0 kg
12	1	RudderStockKey	Stainless Steel 316 (1.4401)	0,6 kg

Quantities stated above refer to one rudder
One ship set = two rudders

Weight without Blade 220,0 kg

Design Speed = 30 knots
Max Helm Angle = 35°

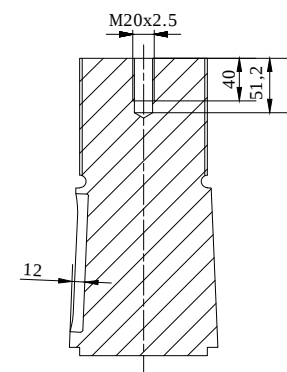
Confidential Property Of MenCast Marine Pte Ltd



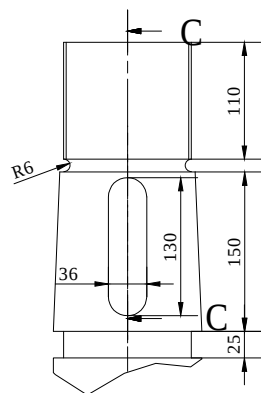
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6 - Rudder Stock (1 : 10)

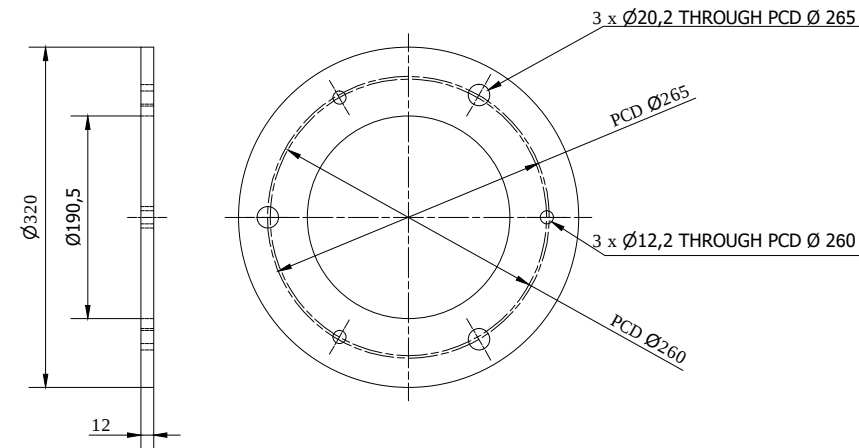
C-C (1 : 5)



Detail C (1 : 5)

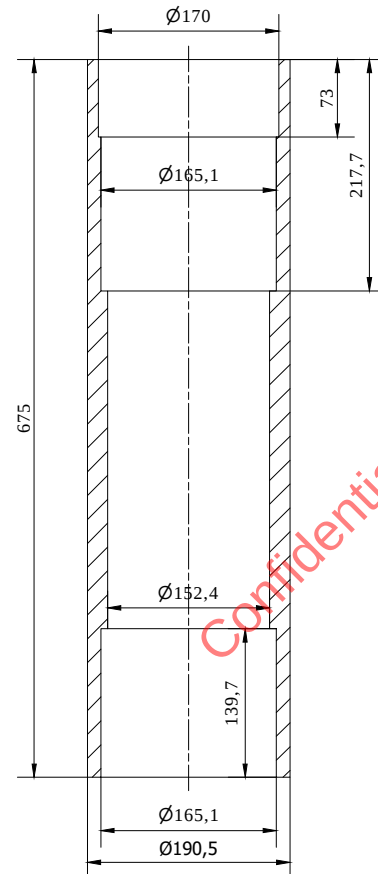


3 - Rudder Trunk Rim (1 : 10)

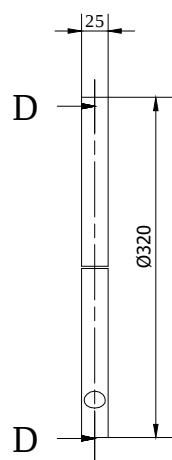


2 - Rudder Trunk (1 : 5)

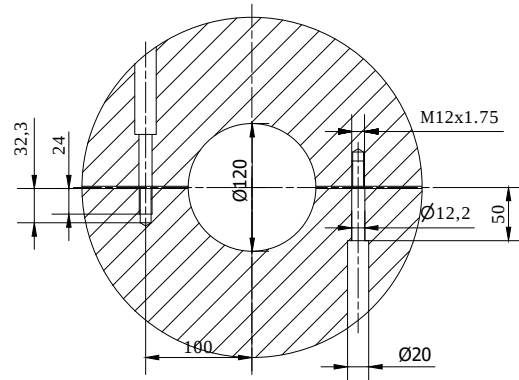
E-E (1 : 5)



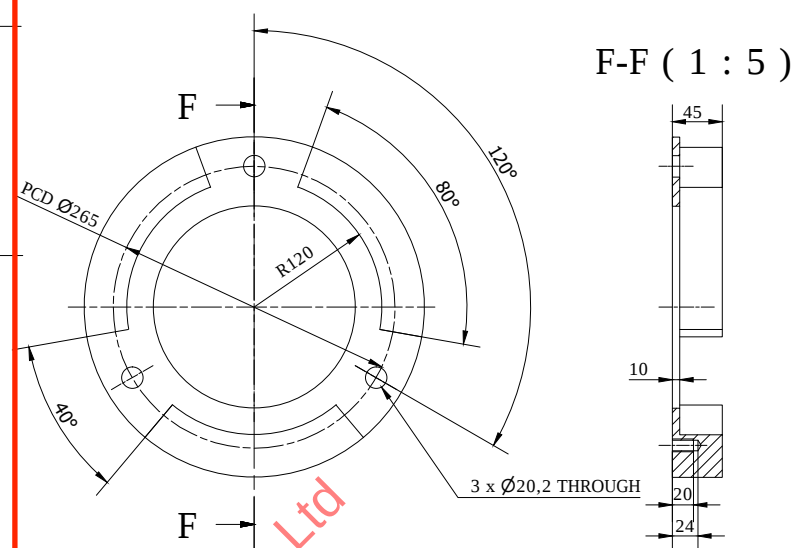
9 - Split Collar (1 : 5)



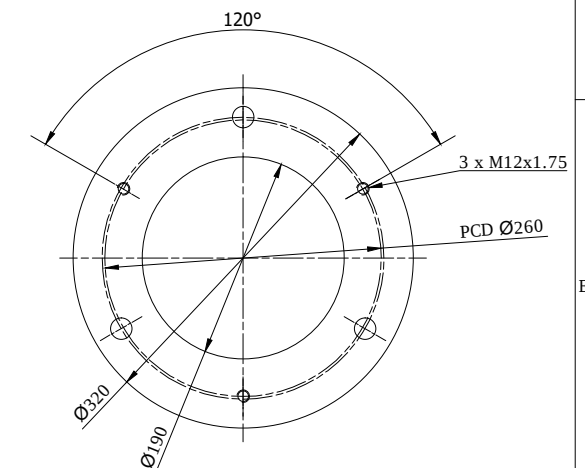
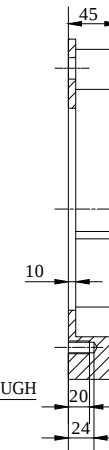
D-D (1 : 5)



8 - Thrust Washer (1 : 5)

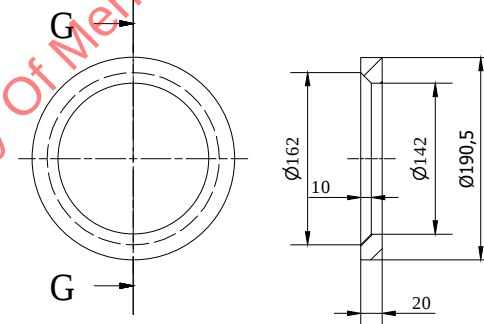


F-F (1 : 5)



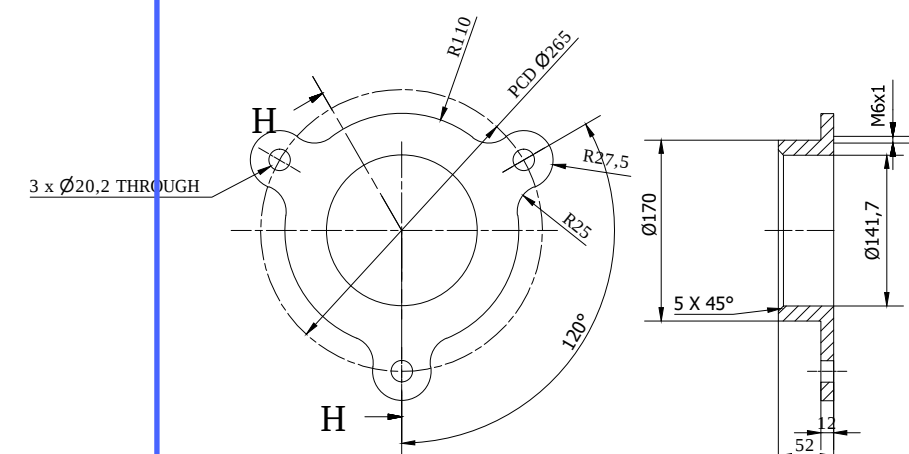
10 - Jumping Collar (1 : 5)

G-G (1 : 5)

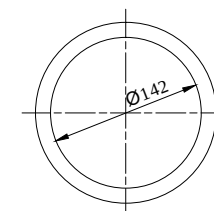


4 - Packing Gland (1 : 5)

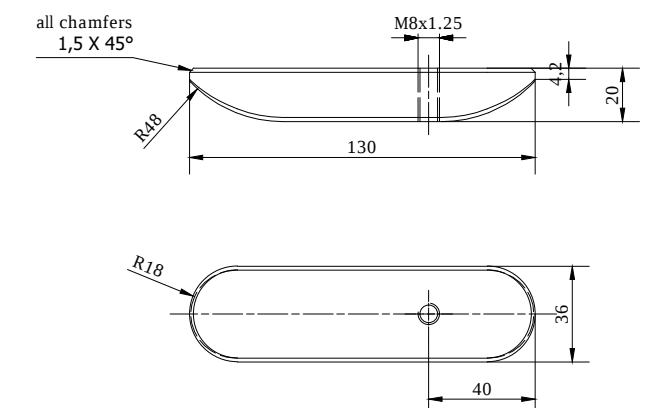
H-H (1 : 5)



7 - Packing Ring (1 : 5)



12 - Rudder Key (1 : 2)



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