

Arranjos Gerais Encontrados

Levantamento de arranjos gerais (plantas baixas e layouts de convés) de embarcações em alumínio naval 5083 e lanchas de intervenção/serviço, com foco em lanchas de cabine fechada (Hard Top / Walkaround / Center Console) para apoio e resposta rápida.

10

pranchas cotadas

1

grupos de fonte

Indice das 10 pranchas

Ordenadas pela ordem das secoes.

	Embarcacao	LOA	Boca	Pontal	Calado	Peso	Max HP	Deadrise	Material	País
PR-01	Plate Alloy 8.0m Hard Top (8HT)	8,60 m	2,95 m	1,66 m	0,38 m	2.100 kg	300 HP	15,6°	Alumínio 5083	AU
PR-02	Plate Alloy 7.5m Hard Top (75HT)	7,80 m	2,90 m	1,60 m	0,38 m	1.950 kg	250 HP	16,0°	Alumínio 5083	AU
PR-03	Plate Alloy 7.4m Hard Top (74HT)	7,70 m	2,45 m	—	0,40 m	2.000 kg	250 HP	—	Alumínio 5083 (chapa 6061)	AU
PR-04	Plate Alloy 6.8m Hard Top (68HT)	7,17 m	2,45 m	1,12 m	0,38 m	1.800 kg	—	—	Alumínio 5083	AU
PR-05	Plate Alloy 6.8m Center Console (68CCON)	7,17 m	2,45 m	1,12 m	0,38 m	1.800 kg	—	—	Alumínio 5083	AU
PR-06	Plate Alloy 6.8m Cuddy (68CUDDY)	7,17 m	2,45 m	1,12 m	0,38 m	1.800 kg	—	—	Alumínio 5083	AU
PR-07	Plate Alloy 6.5m Centre Cab (65CCAB)	6,70 m	2,45 m	1,47 m	—	1.500 kg	200 HP	14,0°	Alumínio 5083	AU
PR-08	Plate Alloy 6.2m Hard Top (62HT)	6,40 m	2,35 m	1,11 m	0,35 m	1.650 kg	150 HP	16,0°	Alumínio 5083	AU
PR-09	Plate Alloy 6.2m Extended Cab (62XCAB)	6,40 m	2,35 m	1,11 m	0,35 m	1.500 kg	150 HP	16,0°	Alumínio 5083	AU
PR-10	Plate Alloy 6.2m Center Console (62CCON)	6,40 m	2,35 m	1,11 m	0,35 m	1.500 kg	150 HP	16,0°	Alumínio 5083	AU

Celula vazia significa que o desenho nao informa o dado.

01

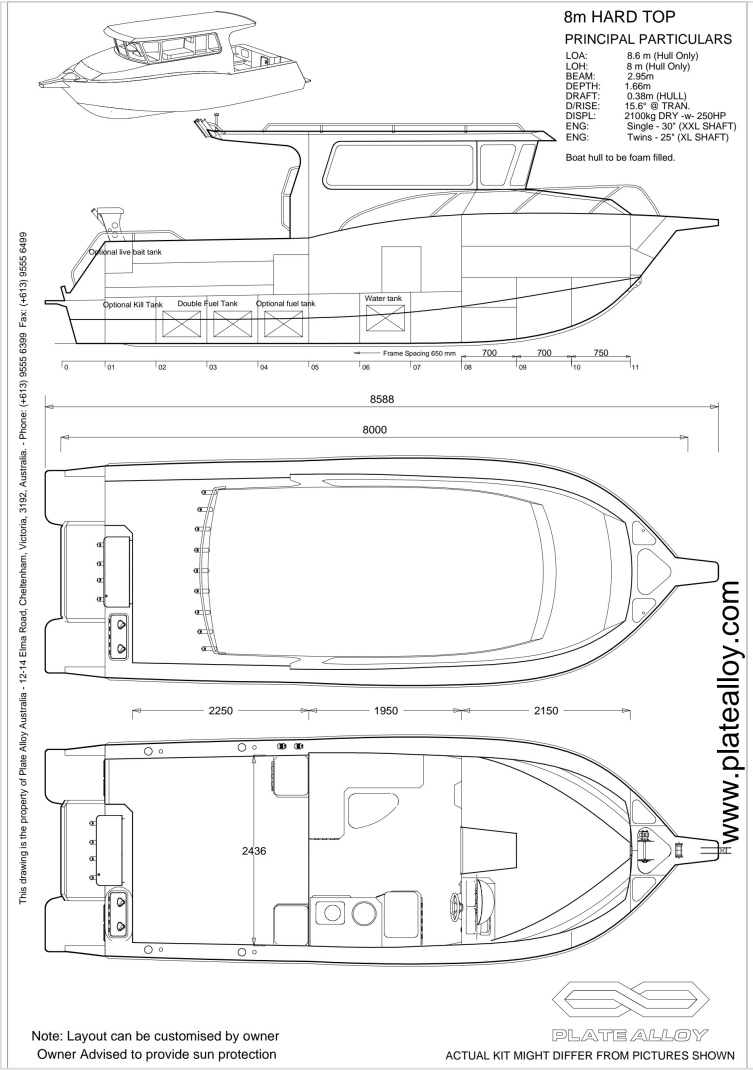
Plate Alloy Australia — Embarcações em Alumínio 5083

10 pranchas técnicas de arranjo geral oficial

- Projetos com plantas baixas cotadas, perfis longitudinais, anteparas estanques e escantilhões em chapa 5083.
- Variantes de convés fechado (Hard Top / XCab), cabine avançada (Cuddy / Centre Cab) e console central.
- Todos os desenhos trazem tabela de dados principais: LOA, boca, calado, pontal, deadrise no espelho e deslocamento.

Plate Alloy 8.0m Hard Top (8HT)

Alumínio naval 5083 · 8,60 × 2,95 m · Desenho Oficial 8HT



DADOS PUBLICADOS

Comprimento (LOA)	8,60 m
Boca	2,95 m
Pontal	1,66 m
Calado	0,38 m
Deslocamento seco	2.100 kg
Deadrise no espelho	15,6°
Potência máxima	300 HP
Material	Alumínio 5083

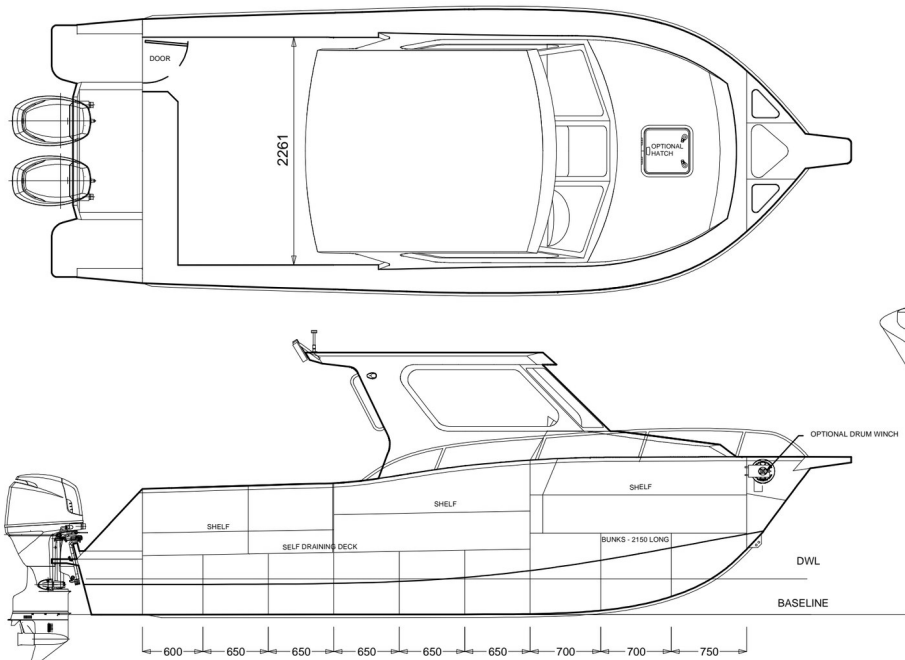
POR QUE IMPORTA

Porte muito próximo do projeto O RESGATE (LOA 8,60m x Boca 2,95m), convés Hard Top fechado e boca quase idêntica de 3,0 m.

Plate Alloy 7.5m Hard Top (75HT)

Alumínio naval 5083 · 7,80 × 2,90 m · Desenho Oficial 75HT

Note: Layout can be customised by owner
Owner Advised to provide sun protection



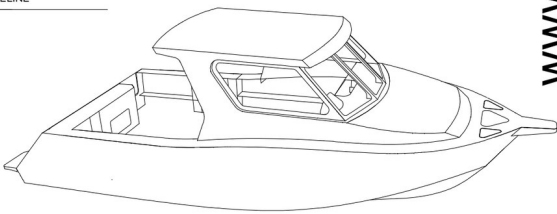
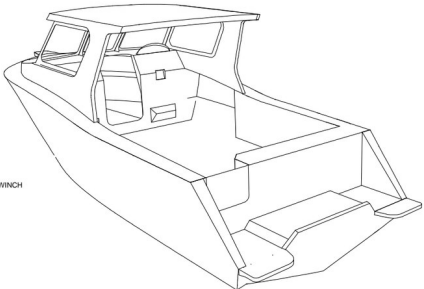
7.5m HARD TOP

GENERAL ARRANGEMENT

PRINCIPAL PARTICULARS

LOA: 8.4 m (Hull Only)
LOH: 7.42 m (Hull Only)
BEAM: 2.9m
DEPTH: 1.53m
DRAFT: 0.35m (HULL)
DRISE: 16" @ TRAN.
DISPL: 1550kg DRY -w- 250HP
ENG: SINGLE - 30" (XXL SHAFT)
ENG: TWIN - 25" (XL SHAFT)

Boat hull to be foam filled.



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○ AUSTRALIAN BUILDERS PLATE ○

BUILDER "YOUR NAME"

REG AL- "SEE REGISTRATION"

Max 300 hp

Max 380 kg

Max 6 480 kg

Max 1000 kg

Buoyancy BASIC Flotation

Alteration of the boat's hull or permanent fittings may invalidate the particulars on this plate.

A REDUCTION IN MAXIMUM NUMBER OF PERSONS MUST BE MADE IN ADVERSE WEATHER CONDITIONS OR WHEN ON THE OPEN SEA.

- Design in compliance with AS1799-1 2009
- Structure in accordance with ISO 12215
- Material: - Bottom, Chine, Transom & Stringers 5mm 5083 aluminium;
- Sides, Deck, etc. 4mm 5083 aluminium;
- Cabin 3mm 5083 aluminium.
- Builders plate, Jig, Drawings & Photo CD included with kit.
- Bollards, Scuppers, Inspection port & Drain plug included in the kit.
- 5 days per week helpdesk available
- Customization available.
- Flotation foam & most fit out parts available, check catalogue for pricing.

ACTUAL KIT MIGHT DIFFER FROM PICTURES SHOWN



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DADOS PUBLICADOS

Comprimento (LOA)	7,80 m
Boca	2,90 m
Pontal	1,60 m
Calado	0,38 m
Deslocamento seco	1.950 kg
Deadrise no espelho	16,0°
Potência máxima	250 HP
Material	Alumínio 5083

POR QUE IMPORTA

Boca larga de 2,90m proporcionando grande estabilidade e arranjo de cockpit amplo na popa para resgate.

Plate Alloy 7.4m Hard Top (74HT)

Alumínio naval 5083 · 7,70 × 2,45 m · Desenho Oficial 74HT

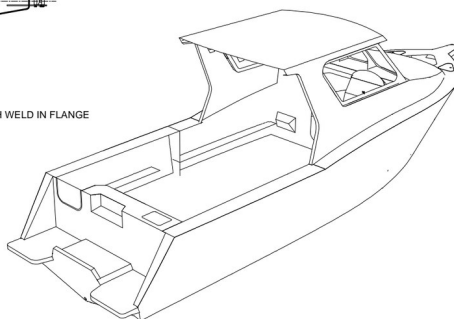
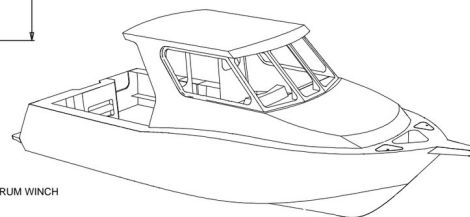
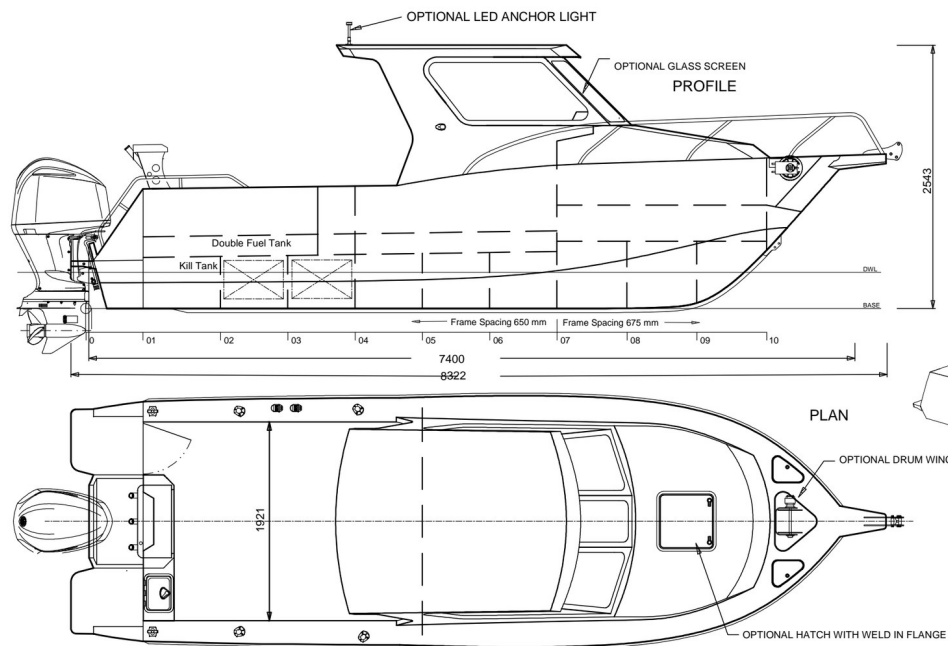
7.4m HARD TOP -2018

GENERAL ARRANGEMENT

PRINCIPAL PARTICULARS

LOA 7.70 metres
LOH 7.40 metres
Lwl 6.32 metres
Beam(Hull Only) 2.45 metres
Design Draft 0.40 metres
Displacement (Dry) 2.0 tonnes
Height above keel 2.5 metres
Deck to Gunwale (min) 0.67 metres

ENGINE 200 HP RECOMENDED, 250 MAX
6 PAX MAX.



ACTUAL KIT MIGHT DIFFER FROM PICTURES SHOWN



Note: Layout can be customised by owner



- Design in compliance with AS1799-1 2009
- Structure in accordance with ISO 12215
- Material:
 - Bottom, Chine, Transom & Stringers, 6mm 5083 aluminium.
 - Sides, Deck, Shelves etc. 4mm 5083 aluminium
 - Wheel house & Coachroof 3mm 5083 aluminium
- Builders plate, Jig, Drawings & Photo CD included with kit.
- Bollards, Scuppers, Inspection port & Drain plug included in the kit.
- 5 days per week helpdesk available
- Customization available.
- Flotation foam & most fit out parts available, check catalogue for pricing.
- HIN number engraved in kit & registered.

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DADOS PUBLICADOS

Comprimento (LOA)	7,70 m
Boca	2,45 m
Calado	0,40 m
Deslocamento seco	2.000 kg
Potência máxima	250 HP
Material	Alumínio 5083 (chapa 6mm)

POR QUE IMPORTA

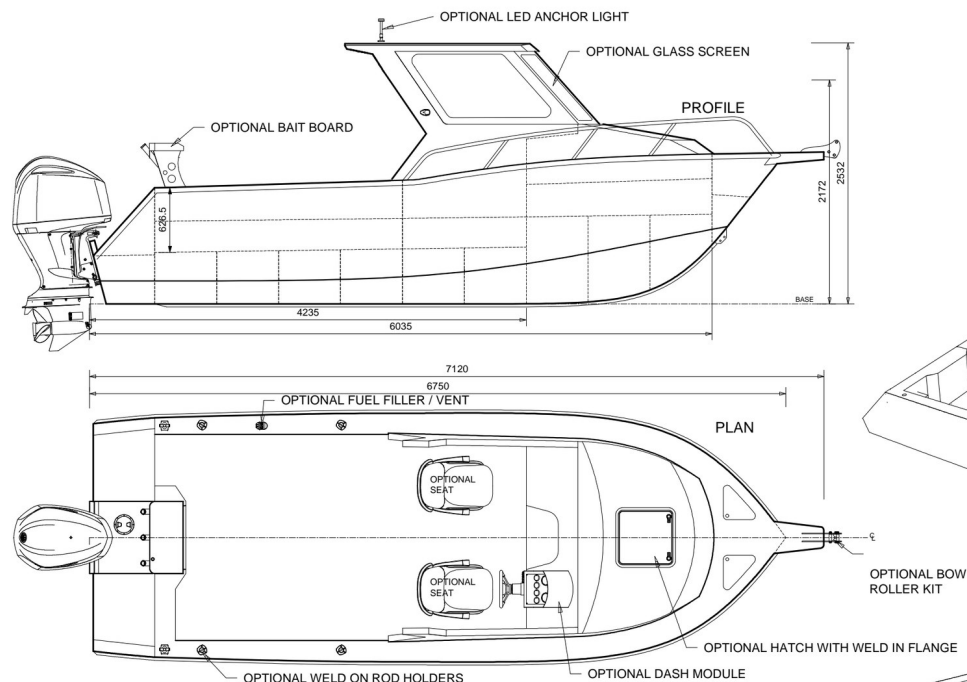
Estrutura reforçada com chapa de fundo de 6mm em liga 5083, ideal para operação pesada e impactos em mar aberto.

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Plate Alloy 6.8m Hard Top (68HT)

Alumínio naval 5083 · 7,17 × 2,45 m · Desenho Oficial 68HT

Note: Layout can be customised by owner
Owner Advised to provide sun protection

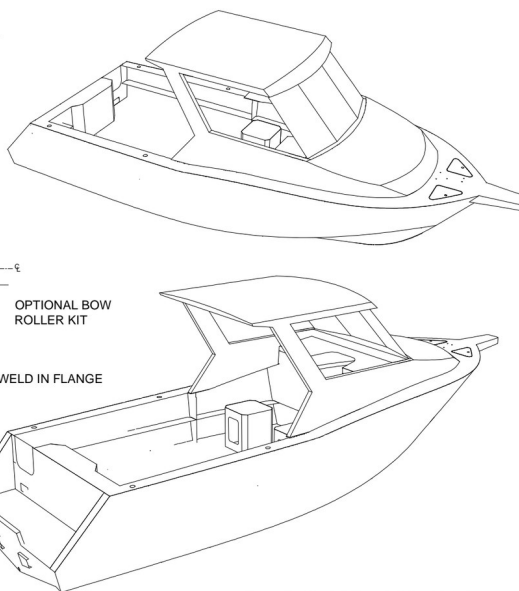


6.8m HARD TOP 2012 GENERAL ARRANGEMENT

PRINCIPAL PARTICULARS

LENGTH OVER ALL:	7.17 M
LENGTH HULL:	6.80 M
BEAM:	2.45 M
DEPTH:	1.12 M
DRAFT:	0.38 M
DEADRISE:	18 DEGREES
DISPLACEMENT:	1.80 TONNES
RECOMMENDED POWER:	175 HP
MAXIMUM POWER:	225 HP

Boat hull to be foam filled.



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AUSTRALIAN BUILDERS PLATE

BUILDER "YOUR NAME"

SEE REGISTRATION

Max 225 hp

Max 275 kg

Max 6 540 kg

Max 625 kg

Buoyancy BASIC Flotation

Alteration of the boat's hull or permanent fittings may invalidate the particulars on this plate.

A REDUCTION IN MAXIMUM NUMBER OF PERSONS MUST BE MADE IN ADVERSE WEATHER CONDITIONS OR WHEN ON THE OPEN SEA.

- Design in compliance with AS1799-1 2009
- Structure in accordance with ISO 12215
- material:
 - Bottom, Chine, Transom & Stringers, 5mm 5083 aluminium.
 - Sides, Deck, Cuddy, etc. 4mm 5083 Aluminium
- Builders plate, Jig, Drawings & Photo CD included with kit.
- Bollards, Scuppers, Inspection port & Drain plug included in the kit.
- 5 days per week helpdesk available
- Customization available.
- Flotation foam & most fit out parts available, check catalogue for pricing.
- HIN number engraved in kit & registered.

ACTUAL KIT MIGHT DIFFER FROM PICTURES SHOWN



DADOS PUBLICADOS

Comprimento (LOA)	7,17 m
Boca	2,45 m
Pontal	1,12 m
Calado	0,38 m
Deslocamento seco	1.800 kg
Material	Alumínio 5083

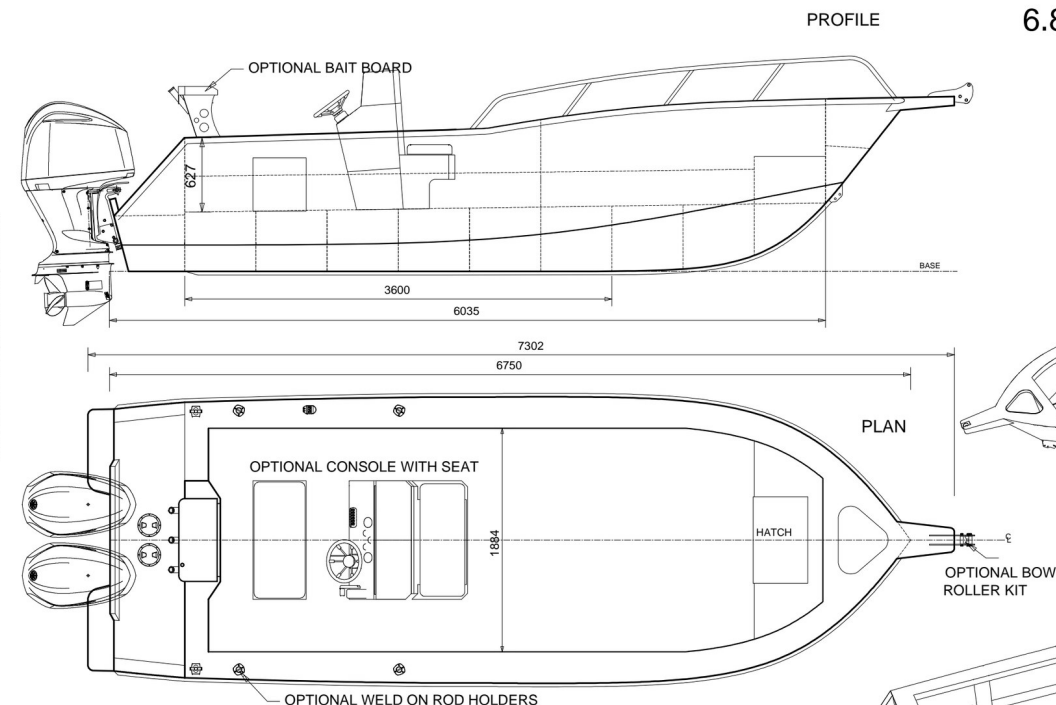
POR QUE IMPORTA

Layout clássico de Hard Top fechado com proteção total da timoneira e ampla praça de popa.

Plate Alloy 6.8m Center Console (68CCON)

Alumínio naval 5083 · 7,17 × 2,45 m · Desenho Oficial 68CCON

Note: Layout can be customised by owner
Owner Advised to provide sun protection



6.8m CENTRE CONSOLE

GENERAL ARRANGEMENT

PRINCIPAL PARTICULARS

LENGTH OVER ALL: 7.17m
LENGTH HULL: 6.80m
BEAM: 2.45m
DEPTH: 1.12m
DRAFT: 0.38m
DEADRISE: 16 degrees
DISPLACEMENT: 1.80 tonnes
RECOMMENDED POWER: 175 hp
MAXIMUM POWER: 225 hp

Boat hull to be foam filled.

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AUSTRALIAN BUILDERS PLATE

BUILDER "YOUR NAME"

MAX ALL "SEE REGISTRATION"

Max 180 hp

Max 275 kg

Max 5 400 kg

Max 739 kg

Buoyancy BASIC Flotation

Alteration of the boat's hull or permanent fittings may invalidate the particulars on this plate.

A REDUCTION IN MAXIMUM NUMBER OF PERSONS MUST BE MADE IN ADVERSE WEATHER CONDITIONS OR WHEN ON THE OPEN SEA.

- Design in compliance with AS1799-1 2009
- Structure in accordance with ISO 12215
- Slush Deck, - Bottom, Chine, Transom & Stringers, 5mm 5083 aluminium.
- Cuddy, etc. 4mm 5083 aluminium
- Builders plate, Jig, Drawings & Photo CD included with kit.
- Bollards, Scuppers, Inspection port & Drain plug included in the kit.
- 5 days per week helpdesk available
- Customization available.
- Flotation foam & most fit out parts available, check catalogue for pricing.
- HIN number engraved in kit & registered.

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DADOS PUBLICADOS

Comprimento (LOA)	7,17 m
Boca	2,45 m
Pontal	1,12 m
Calado	0,38 m
Deslocamento seco	1.800 kg
Material	Alumínio 5083

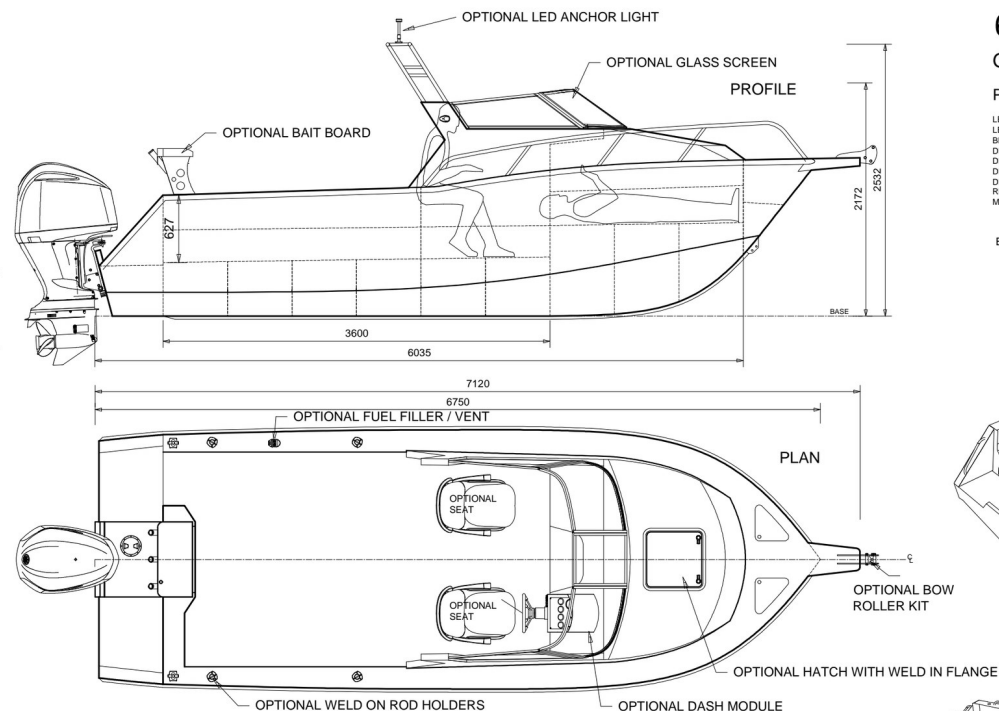
POR QUE IMPORTA

Arranjo walkaround com circulação livre 360°, excelente para embarque e manobra rápida de cabos e resgates.

Plate Alloy 6.8m Cuddy (68CUDDY)

Alumínio naval 5083 · 7,17 × 2,45 m · Desenho Oficial 68CUDDY

Note: Layout can be customised by owner
Owner Advised to provide sun protection



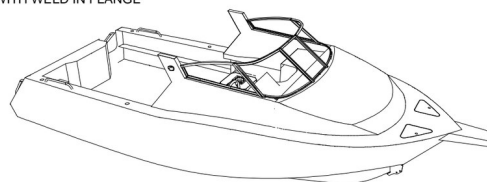
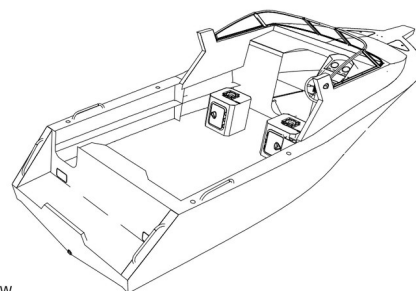
6.8m CUDDY CABIN

GENERAL ARRANGEMENT

PRINCIPAL PARTICULARS

LENGTH OVER ALL: 7.17m
LENGTH HULL: 6.80m
BEAM: 2.45m
DEPTH: 1.12m
DRAFT: 0.38m
DISAIDISE: 15 degrees
DISPLACEMENT: 1.80 tonnes
RECOMMENDED POWER: 175 hp
MAXIMUM POWER: 225 hp

Boat hull to be foam filled.



ACTUAL KIT MIGHT DIFFER FROM PICTURES SHOWN



PLATE ALLOY

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DADOS PUBLICADOS

Comprimento (LOA)	7,17 m
Boca	2,45 m
Pontal	1,12 m
Calado	0,38 m
Deslocamento seco	1.800 kg
Material	Alumínio 5083

POR QUE IMPORTA

Cabine de proa rebaixada para guarda de equipamentos de salvatagem e primeiros socorros.

AUSTRALIAN BUILDERS PLATE

BUILDER "YOUR NAME"

SEE REGISTRATION

Max 180 hp

Max 275 kg

Max 5 400 kg

Max 739 kg

Buoyancy BASIC Flotation

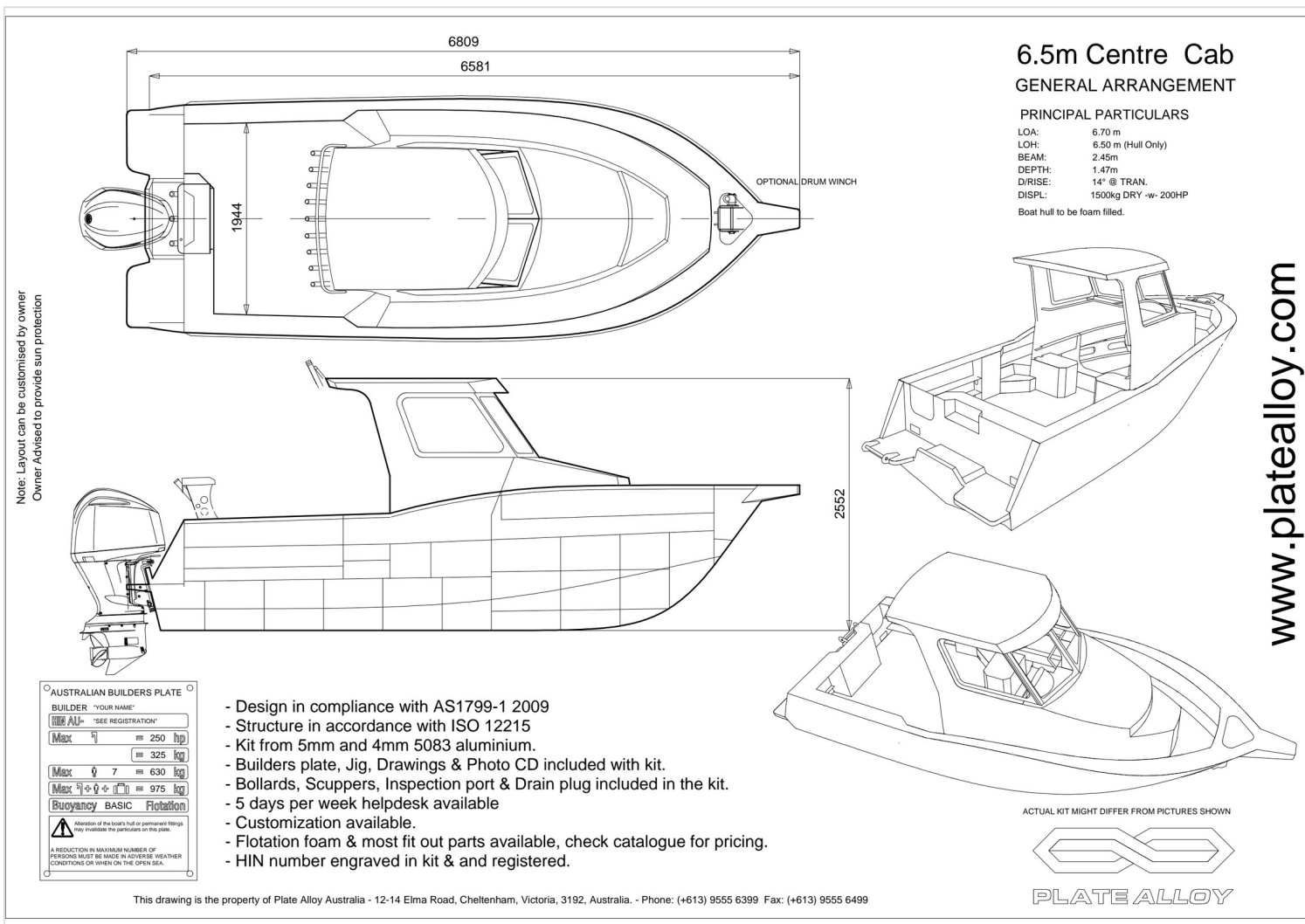
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Plate Alloy 6.5m Centre Cab (65CCAB)

Alumínio naval 5083 · 6,70 × 2,45 m · Desenho Oficial 65CCAB



DADOS PUBLICADOS

Comprimento (LOA)	6,70 m
Boca	2,45 m
Pontal	1,47 m
Deslocamento seco	1.500 kg
Deadrise no espelho	14,0°
Potência máxima	200 HP
Material	Alumínio 5083

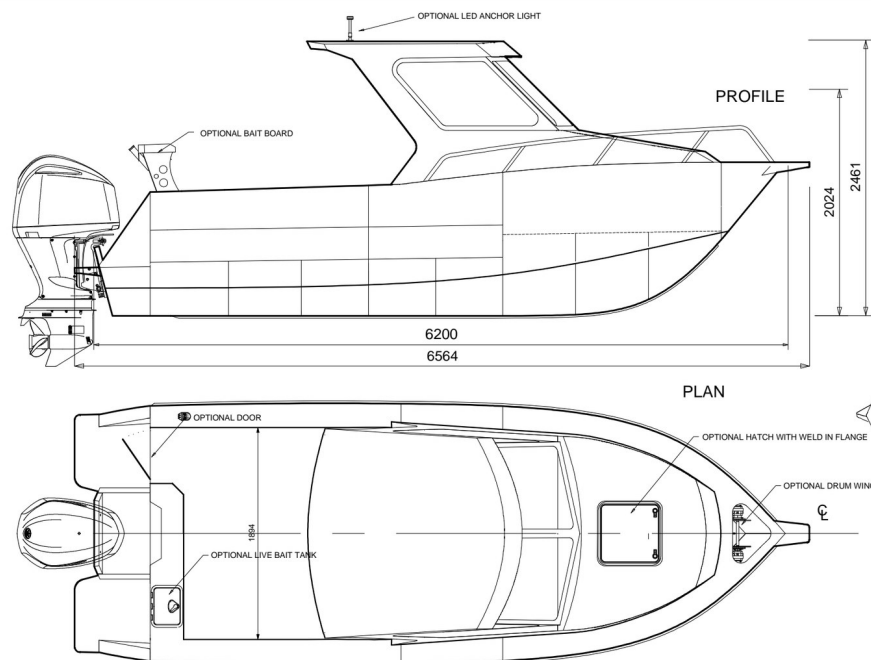
POR QUE IMPORTA

Cabine centralizada com passadiços laterais seguros e ampla área de trabalho na proa e na popa.

Plate Alloy 6.2m Hard Top (62HT)

Alumínio naval 5083 · 6,40 × 2,35 m · Desenho Oficial 62HT

Note: Layout can be customised by owner
Owner Advised to provide sun protection

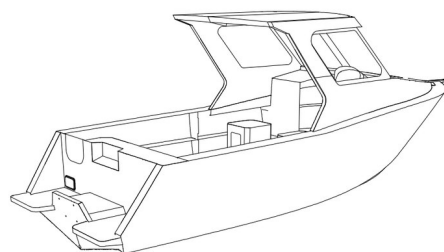
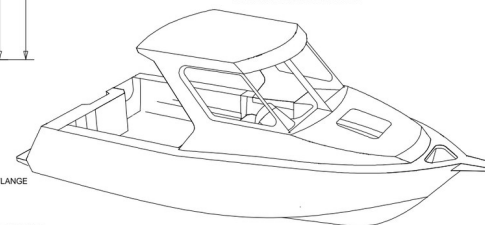


6.2m HARD TOP 2017

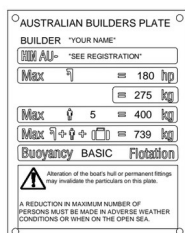
GENERAL ARRANGEMENT

PRINCIPAL PARTICULARS

LOH: 6.20 m (Hull Only)
BEAM: 2.35m
DEPTH: 1.11m
DRAFT: 0.350m (HULL)
D/RISE: 16° @ TRAN.
DISPL: 1650kg DRY -w- 150HP
Boat hull to be foam filled.



www.platealloy.com



- Design in compliance with AS1799-1 2009
- Structure in accordance with ISO 12215
- material: - 5083 Aluminium
- 5083 Aluminium
- Builders plate, Jig, Drawings & Photo CD included with kit.
- Bollards, Scuppers, Inspection port & Drain plug included in the kit.
- 5 days per week helpdesk available
- Customization available.
- Flotation foam & most fit out parts available, check catalogue for pricing.
- HIN number engraved in kit & and registered.

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PLATE ALLOY

DADOS PUBLICADOS

Comprimento (LOA)	6,40 m
Boca	2,35 m
Pontal	1,11 m
Calado	0,35 m
Deslocamento seco	1.650 kg
Deadrise no espelho	16,0°
Potência máxima	150 HP
Material	Alumínio 5083

POR QUE IMPORTA

Referência de cabine rígida com para-brisa envolvente e integração estrutural no convés estanque.

Plate Alloy 6.2m Extended Cab (62XCAB)

Alumínio naval 5083 · 6,40 × 2,35 m · Desenho Oficial 62XCAB

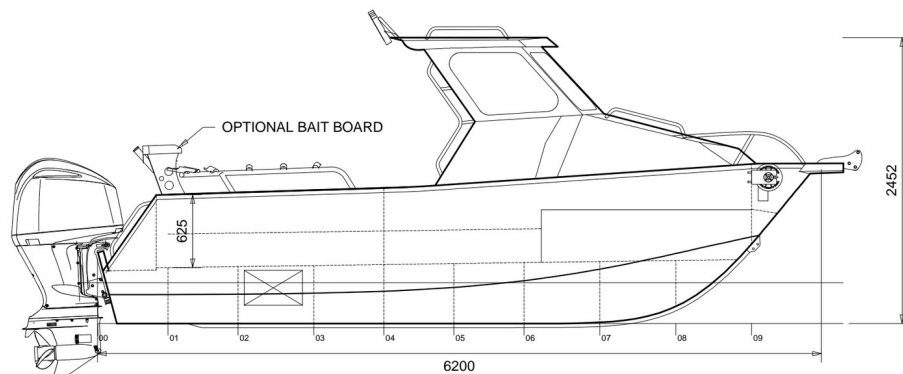
6.2m XCAB

GENERAL ARRANGEMENT

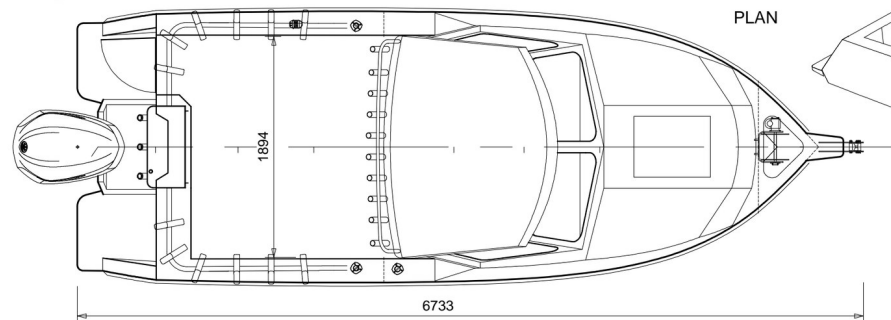
PRINCIPAL PARTICULARS

LOH: 6.20 m (Hull Only)
BEAM: 2.35m
DEPTH: 1.11m
DRAFT: 0.350m (HULL)
D/RISE: 16° @ TRAN.
DISPL: 1500kg DRY -w- 150HP

Boat hull to be foam filled.



PLAN



ACTUAL KIT MIGHT DIFFER FROM PICTURES SHOWN



Note: Layout can be customised by owner
Owner Advised to provide sun protection

AUSTRALIAN BUILDERS PLATE

BUILDER "YOUR NAME"

SEE REGISTRATION

Max 180 hp

Max 275 kg

Max 5 400 kg

Max 739 kg

Buoyancy BASIC Flotation

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DADOS PUBLICADOS

Comprimento (LOA)	6,40 m
Boca	2,35 m
Pontal	1,11 m
Calado	0,35 m
Deslocamento seco	1.500 kg
Deadrise no espelho	16,0°
Potência máxima	150 HP
Material	Alumínio 5083

POR QUE IMPORTA

Cabine estendida proporcionando espaço extra para console de navegação, rádios VHF/HF e assentos da equipe.

Plate Alloy 6.2m Center Console (62CCON)

Alumínio naval 5083 · 6,40 × 2,35 m · Desenho Oficial 62CCON

6.2m CENTRE CONSOLE

GENERAL ARRANGEMENT

PRINCIPAL PARTICULARS

LOH: 6.20 m (Hull Only)
BEAM: 2.35m
DEPTH: 1.11m
DRAFT: 0.350m (HULL)
D/RISE: 16° @ TRAN.
DISPL: 1500kg DRY -w- 150HP

Boat hull to be foam filled.

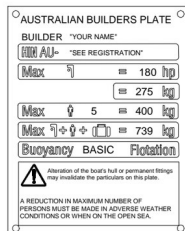
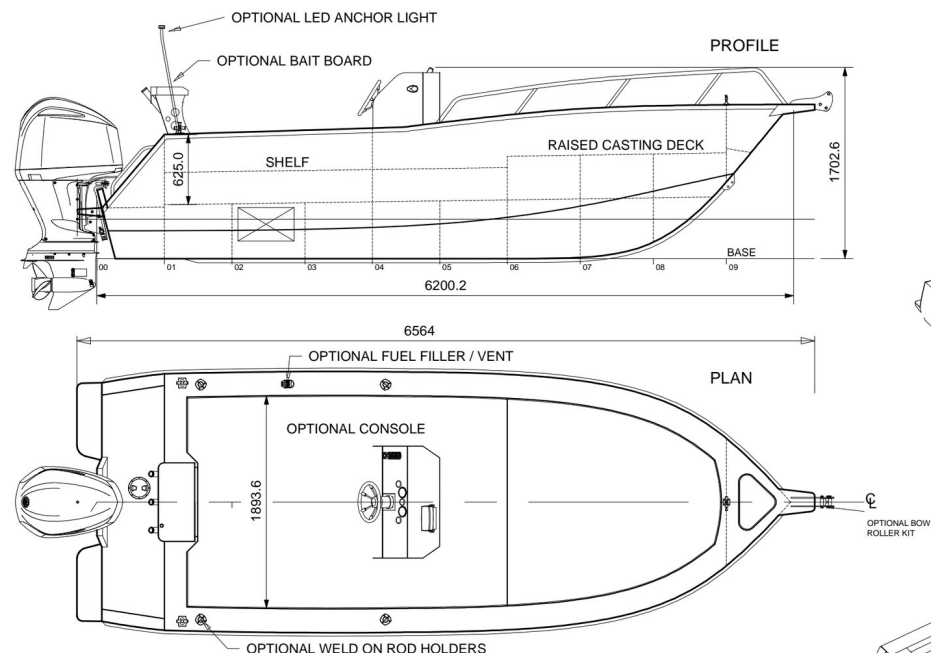
DADOS PUBLICADOS

Comprimento (LOA)	6,40 m
Boca	2,35 m
Pontal	1,11 m
Calado	0,35 m
Deslocamento seco	1.500 kg
Deadrise no espelho	16,0°
Potência máxima	150 HP
Material	Alumínio 5083

POR QUE IMPORTA

Excelente visualização de distribuição de pesos, cavernas de fundo e anteparas longitudinais em casco V.

Note: Layout can be customised by owner
Owner Advised to provide sun protection



- Design in compliance with AS1799-1 2009
- Structure in accordance with ISO 12215
- Material: - Bottom, Chine, Transom & Stringers, 5mm 5083 aluminium.
- Sides, Deck, Cuddy, etc. 4mm 5083 Aluminium
- Builders plate, Jig, Drawings & Photo CD included with kit.
- Bollards, Scuppers, Inspection port & Drain plug included in the kit.
- 5 days per week helpdesk available
- Customization available.
- Flotation foam & most fit out parts available, check catalogue for pricing.
- HIN number engraved in kit & registered.

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ACTUAL KIT MIGHT DIFFER FROM PICTURES SHOWN



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As pranchas contra o seu projeto

Onde o seu projeto cai dentro do que os desenhos publicados mostram

Comprimento (LOA)	NAS PRANCHAS 6,40 a 8,60 m	SEU PROJETO 9,00 m	ligeiramente acima da média para maior navegabilidade offshore
Boca (BOA)	NAS PRANCHAS 2,35 a 2,95 m	SEU PROJETO 3,00 m	boca larga para máxima estabilidade transversal
Calado (T)	NAS PRANCHAS 0,35 a 0,40 m	SEU PROJETO 0,60 m	compatível com casco Deep-V e parelha de 300 HP
Deadrise no espelho	NAS PRANCHAS 14° a 16°	SEU PROJETO 15,3°	perfeito alinhamento com a classe comercial/serviço
Material	NAS PRANCHAS Alumínio 5083	SEU PROJETO Alumínio 5083	padrão naval de alta resistência e durabilidade

O que estas plantas mudam no projeto

Leituras que so aparecem depois de ver os desenhos cotados

01

Cabine Fechada com Passadiço Lateral

A combinação de Hard Top com passadiço lateral (Centre Cab / Walkaround) é o arranjo mais recomendado para operações SAR, permitindo que a tripulação circule com segurança até a proa enquanto o piloto mantém visão 360° abrigado do vento e spray.

02

Área Desimpedida na Popa

O arranjo do cockpit de ré deve ser mantido 100% plano e autovaziante, com borda livre adequada para permitir o recolhimento lateral e pela popa de vítimas da água e fixação de maca rígida.

03

Estrutura Longitudinal em Chapas 5083

As pranchas reforçam o uso de sicordas e longarinas contínuas com fundo em chapas de 5mm a 6mm em liga 5083-H116, garantindo rigidez contra slamming em altas velocidades (38-40 nós).

Plate Alloy Australia

Desenhos técnicos oficiais e pranchas de arranjo geral para construção naval em chapas de liga 5083.

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