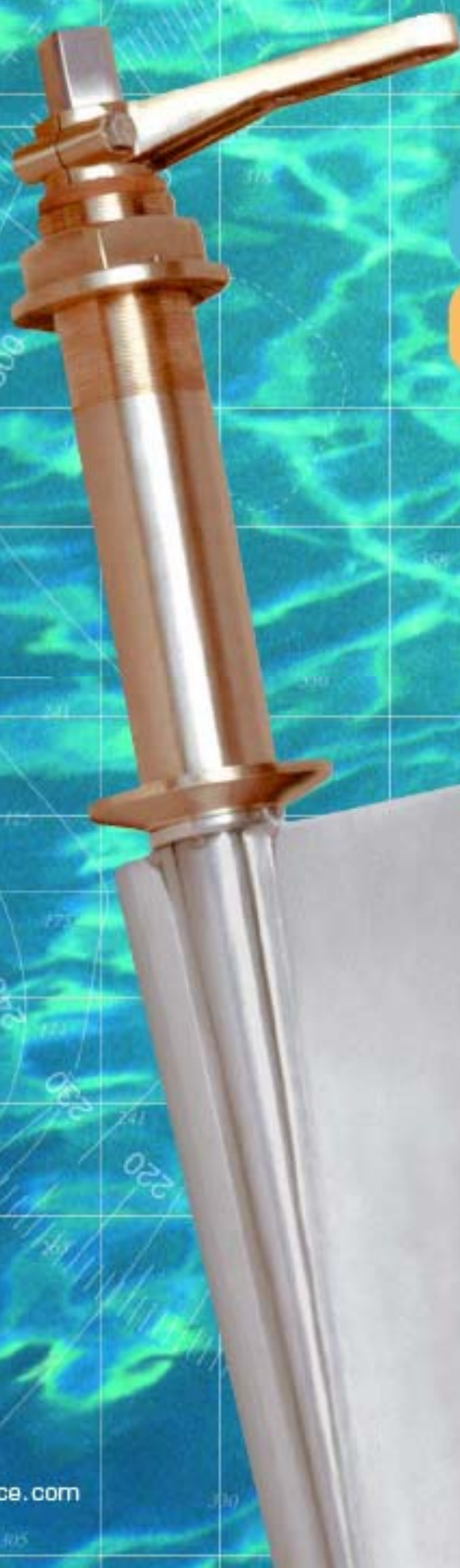


ELICHE RADICE



TIMONI STANDARD
per scafi fino a 30 metri

STANDARD RUDDERS
for boat up to 30 mt lenght



TIMONI STANDARD PER SCAFI FINO A 30 METRI

Per ottenere i risultati ottimali da una data superficie di timone e dalla coppia ad essa applicata, occorre studiare la forma del timone sia in prospettiva che in sezione.

La nostra produzione di serie, che comprende una vasta e completa gamma di timoni, è studiata e sperimentata in tal senso ed è particolarmente adatta sia per scafi con carena V che piana, con velocità fino a 50 nodi.

Il montaggio può essere eseguito sia sottoscafo che sugli specchi di poppa, sia piani che inclinati.

Una particolare ed accurata progettazione permette il loro facile e rapido montaggio sugli scafi senza smontare il timone, ma togliendo semplicemente la leva.

Per i tipi da montare sugli specchi

di poppa, poi, basta una piccola fessura per il passaggio della leva, che non deve nemmeno essere smontata.

Il dimensionamento dei nostri timoni è approvato dal **Registro Italiano Navale** per scafi da diporto quindi sono idonei all'utilizzo su imbarcazioni con omologazione **CE**.

Appropriati sistemi di tenuta d'acqua garantiscono il lungo funzionamento dei timoni Radice senza manutenzione e in assoluta sicurezza.

L'accurata scelta dei materiali, inoltre, li rende particolarmente adatti a sopportare le varie intensità di pressione cui vengono sottoposti nelle brusche virate. Per la costruzione di tutta la gamma di timoni usiamo le nostre leghe **Mibral** e **Ot.Man** e gli acciai speciali AISI 316 e V174.

MIBRAL:	R 650 N/mm²	S 245 N/mm²	A 20%
OT.MAN:	R 510 N/mm²	S 200 N/mm²	A 22%

STANDARD RUDDERS FOR BOATS UP TO 30 MT. LENGTH

To get the best result from a given rudder surface and from the applied torque, one must study the rudder shape both in perspective and in section.

Our standard production, which includes a wide complete range of rudder types, has been studied and tested from this point of view and is particularly suitable for vessels either with V-shaped and flat keels, for speed up to 50 knots.

The mounting can be carried out both under the vessel and on the transom, either flat and inclined.

A particular and accurate design allows their easy and quick mounting on vessels, without stripping them out completely, but just taking the lever away.

Moreover, rudder types intended for

mounting on the transom only need a small crack to allow the lever passage, that does not need to be stripped out.

*Our rudders sizing is approved by **RINA** according with pleasure crafts rules, and they are qualified for installation on boats with **CE** omologation.*

Suitable systems of water seal assure a long term and safe working life without maintenance.

*The careful material choice, then, enable our rudders to bear the different pressure intensities to which they are subjected during sharp tacks. To manufacturing our rudders range we employ our **Mibral** and **Ot.Man** alloys and the special stainless AISI 316 and V174.*

MIBRAL:	R 650 N/mm²	S 245 N/mm²	A 20%
OT.MAN:	R 510 N/mm²	S 200 N/mm²	A 22%

QUALE TIMONE?

In linea generale consigliamo i seguenti tipi di timoni:

- per scafi da 5 a 8 m – 12/6P-V, 16/7P-V-S
- per scafi da 8 a 12 m – 16/7P-V-S, 14/10P-V-S, 16/11P-V-S, 25/11P, 16/13P-V-S
- per scafi da 12 a 17 m – 56/13P, 50/18P
– 17/15P-V-S, 45/16P-V, 45/19P-V, 45/20P-V, 43/20P-V-S,
- per scafi da 17 a 20 m – 43/24S, 78/24P-V, 78/24PL-VL, 36/30P-V
- per scafi da 20 a 30 m – 38/35P-V, 38/40P-V, 38/50P-V, 42/70P, 79/38S, 38/40S, 38/50S

QUALI VANTAGGI?

La costruzione di serie garantisce notevoli vantaggi tecnico-economici:

- costi decisamente inferiori a quelli della tradizionale costruzione artigianale
- facilità di scelta per il progettista, che può disporre di una vasta gamma di timoni adatti a scafi di qualsiasi tipo e dimensione
- intercambiabilità delle parti di ricambio, particolarmente conveniente per prototipi in fase sperimentale
- facilità di sostituzione delle parti di ricambio, senza l'intervento di personale specializzato
- superiorità tecnica, frutto di una lunga esperienza
- nessuna manutenzione richiesta
- materiali disponibili a magazzino.

NOTE:

A richiesta possono essere fornite Losche Timone in Acciaio o Alluminio



WHICH RUDDER?

As a general indication, we advise the following rudder types:

- for vessels from 5 to 8 mt – 12/6P-V, 16/7P-V-S
- for vessels from 8 to 12 mt – 16/7P-V-S, 14/10P-V-S, 16/11P-V-S, 25/11P, 16/13P-V-S
- for vessels from 12 to 17 mt – 56/13P, 50/18P
– 17/15P-V-S, 45/16P-V, 45/19P-V, 45/20P-V, 43/20P-V-S,
- for vessels from 17 to 20 mt – 43/24S, 78/24P-V, 78/24PL-VL, 36/30P-V
- for vessels from 20 to 30 mt – 38/35P-V, 38/40P-V, 38/50P-V, 42/70P, 79/38S,
38/40S, 38/50S

WHICH ADVANTAGES?

Series construction guarantees remarkable technical and mechanical advantages:

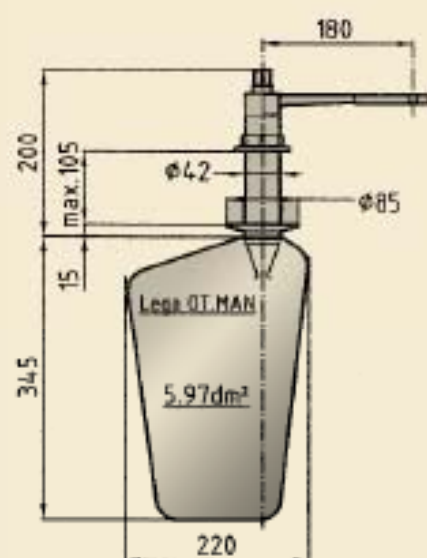
- lower costs compared with those of the traditional artisan construction
- easy choice for the designer, who has at his disposal a wide range of rudders suitable for any hull type and size
- spare parts interchangeability, particularly convenient for prototypes during the experimental period
- easy replacement of the spare parts without the intervention of skilled staff
- no maintenance required
- stock availability.

NOTE:

On demande can be supplied Steel or Aluminium Rudder Case

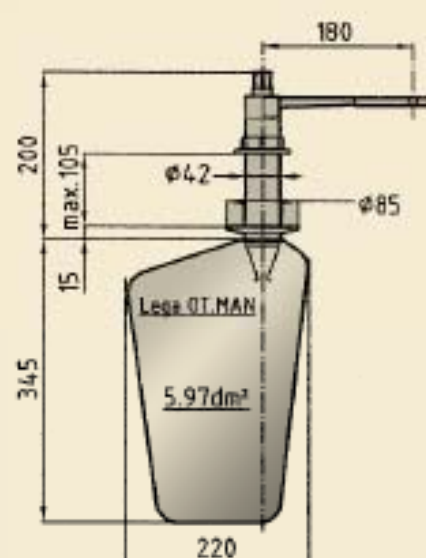
Tipo 12/6-P

Peso Kg 10



Tipo 12/6-V

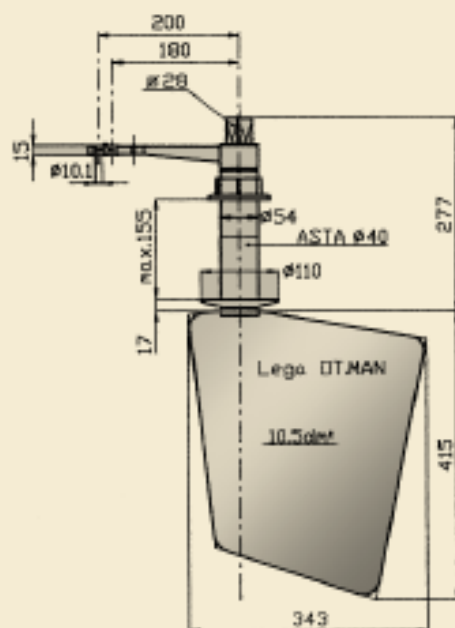
Peso Kg 10



Momento torcente max = 400Nm

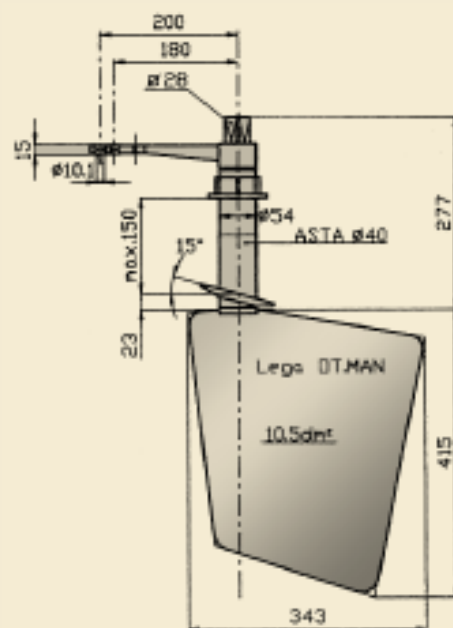
Tipo 14/10-P

Peso Kg 14



Tipo 14/10-V

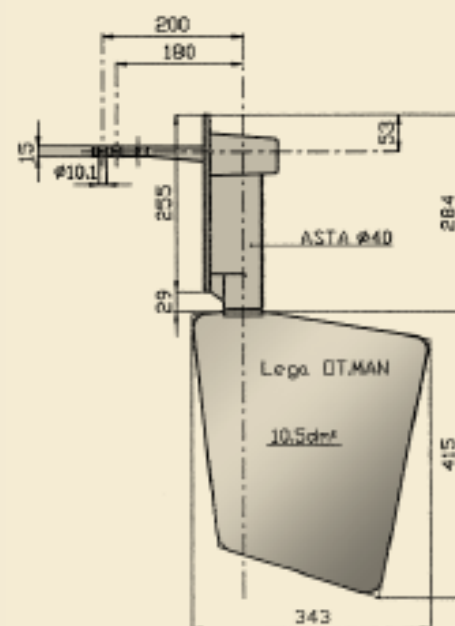
Peso Kg 14



Momento torcente max = 800Nm

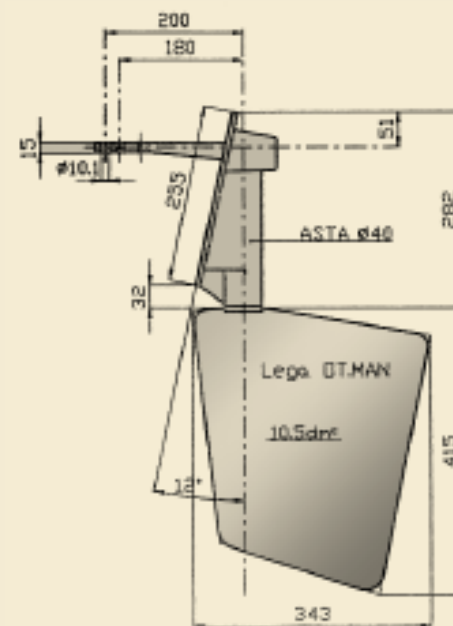
Tipo 14/10-S.0°

Peso Kg 15



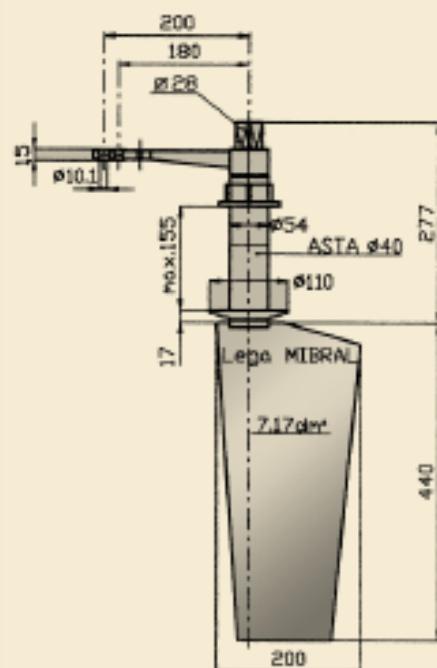
Tipo 14/10-S.12°

Peso Kg 15



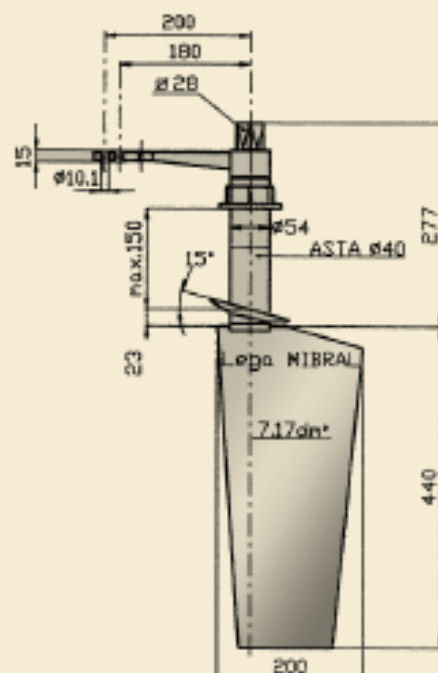
Tipo 16/7-P

Peso Kg 12



Tipo 16/7-V

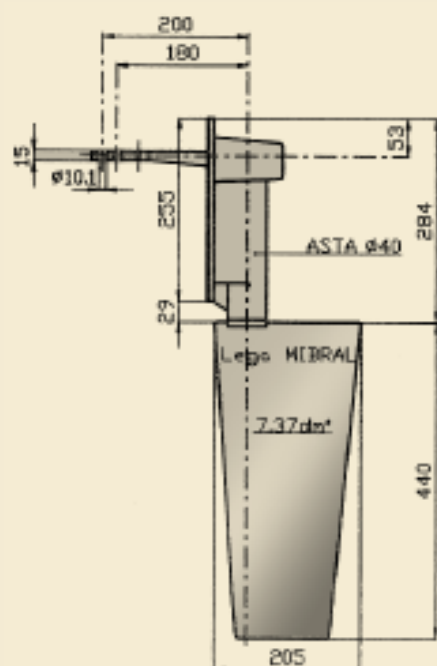
Peso Kg 12



Momento torcente max = 350Nm

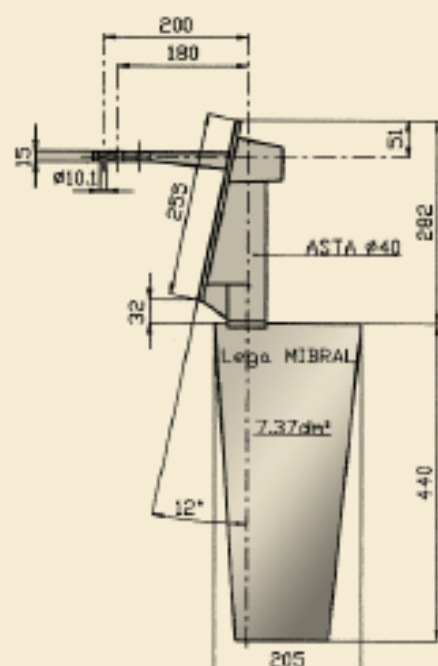
Tipo 16/7-S.0°

Peso Kg 15



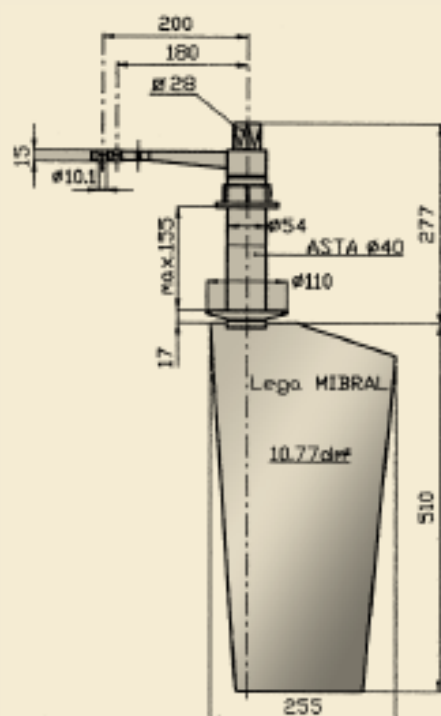
Tipo 16/7-S.12°

Peso Kg 15



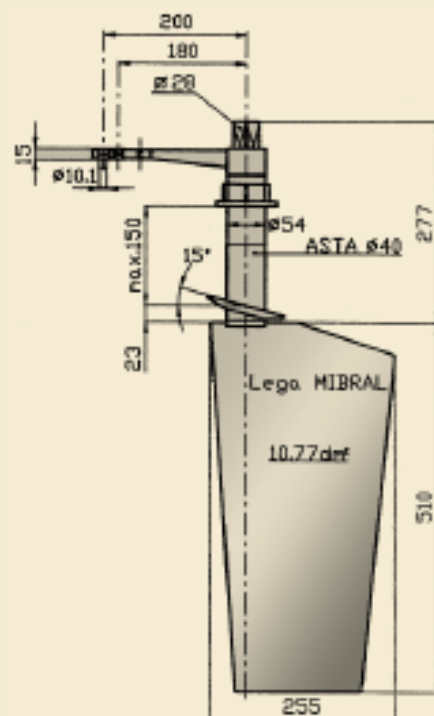
Tipo 16/11-P

Peso Kg 15,5



Tipo 16/11-V

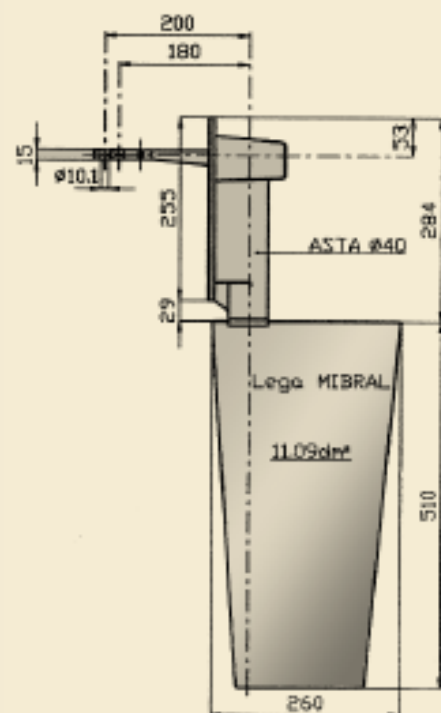
Peso Kg 15,5



Momento torcente max = 500Nm

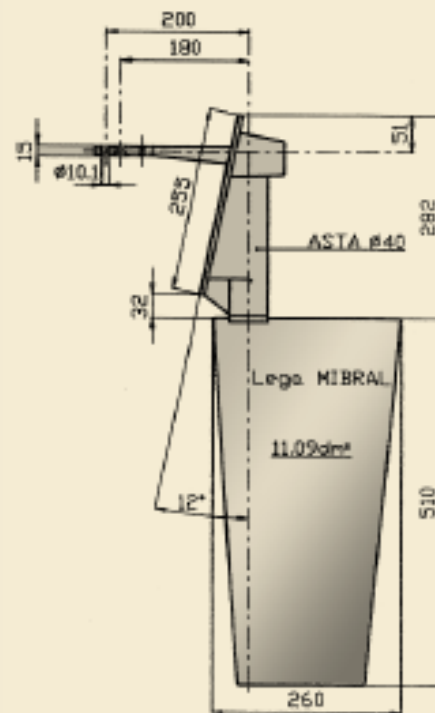
Tipo 16/11-S.0°

Peso Kg 18



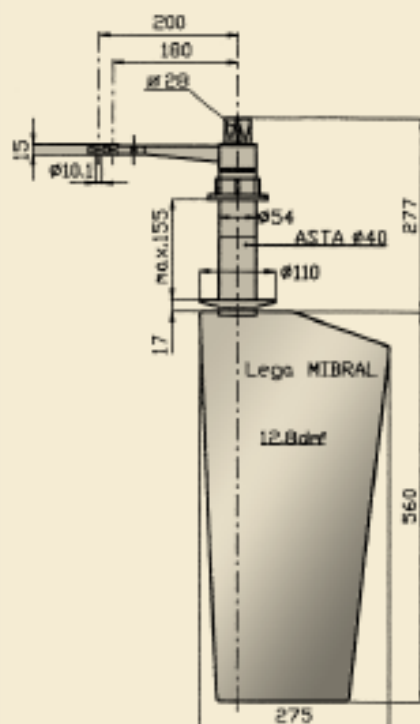
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Peso Kg 18



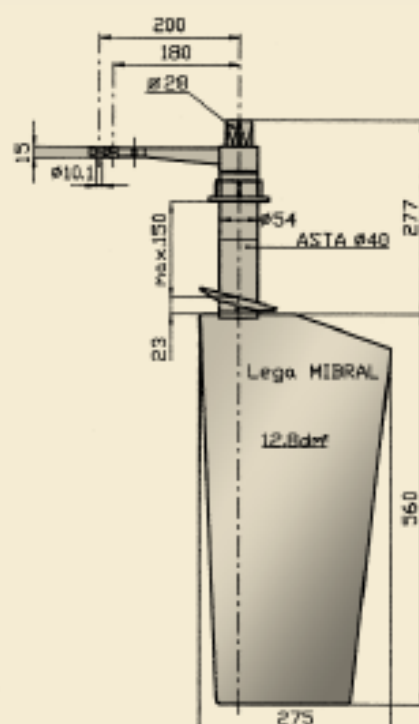
Tipo 16/13-P

Peso Kg 17



Tipo 16/13-V

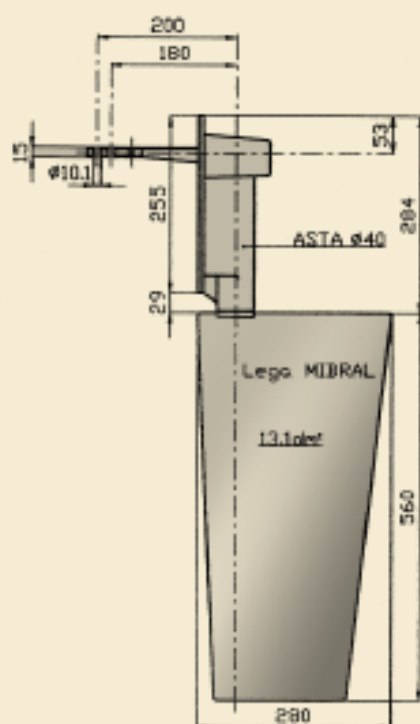
Peso Kg 17



Momento torcente max = 450Nm

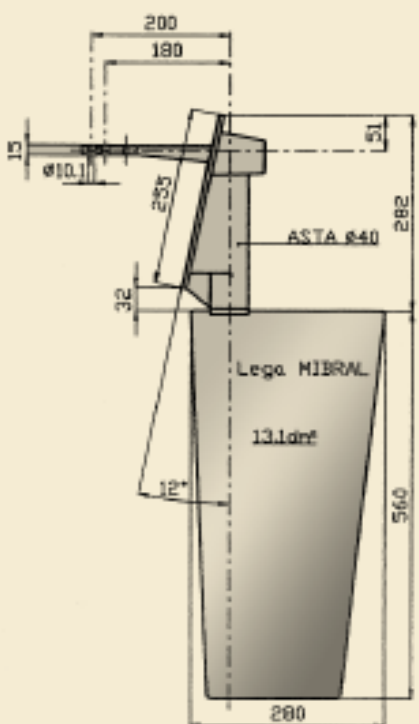
Tipo 16/13-S.0°

Peso Kg 19,5



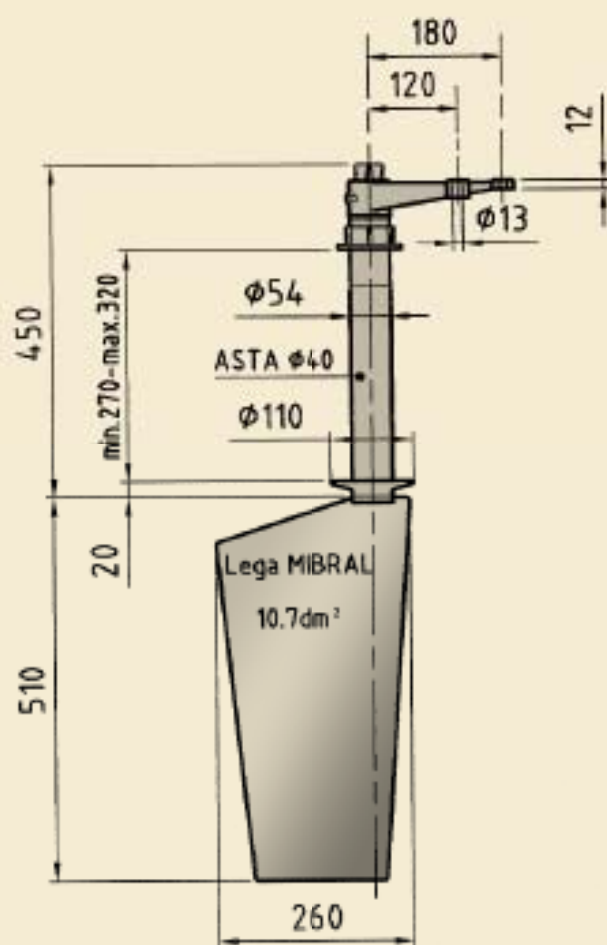
Tipo 16/13-S.12°

Peso Kg 19,5



Tipo 25/11-P

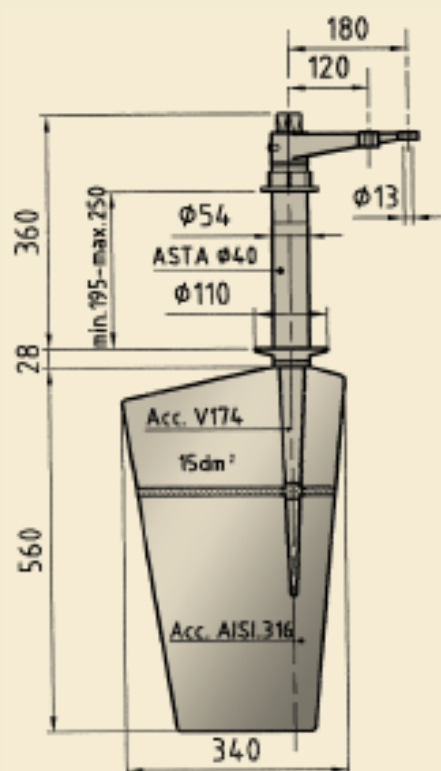
Peso Kg 16,5



Momento torcente max = 500Nm

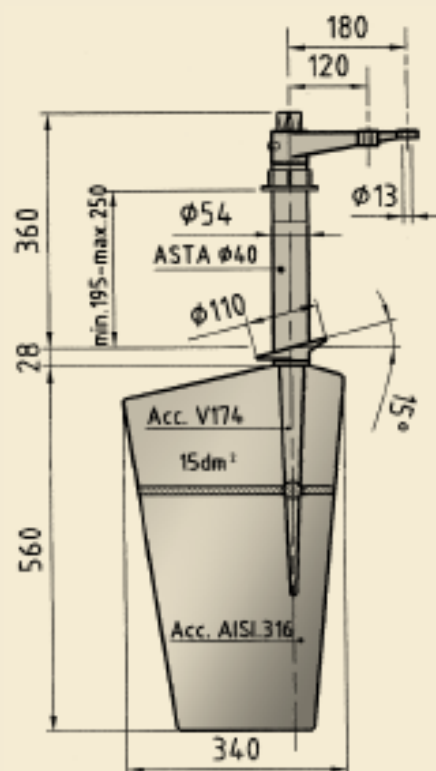
Tipo 17/15-P

Peso Kg 23



Tipo 17/15-V

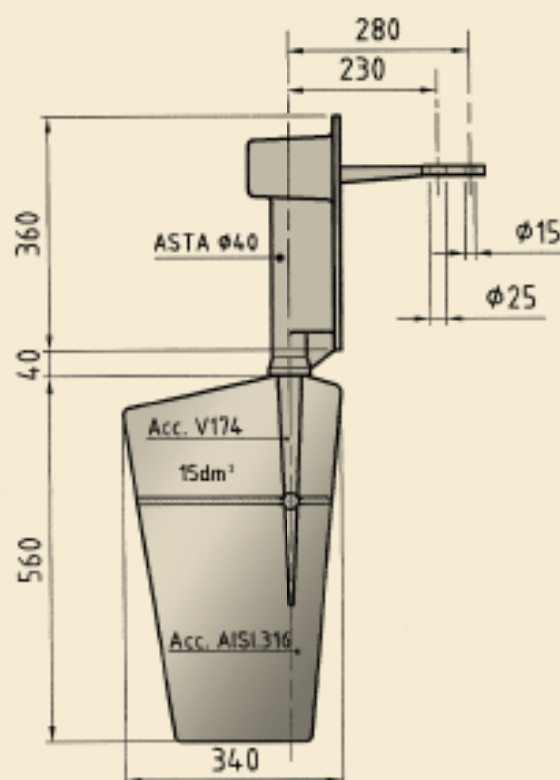
Peso Kg 23



Momento torcente max = 1200Nm

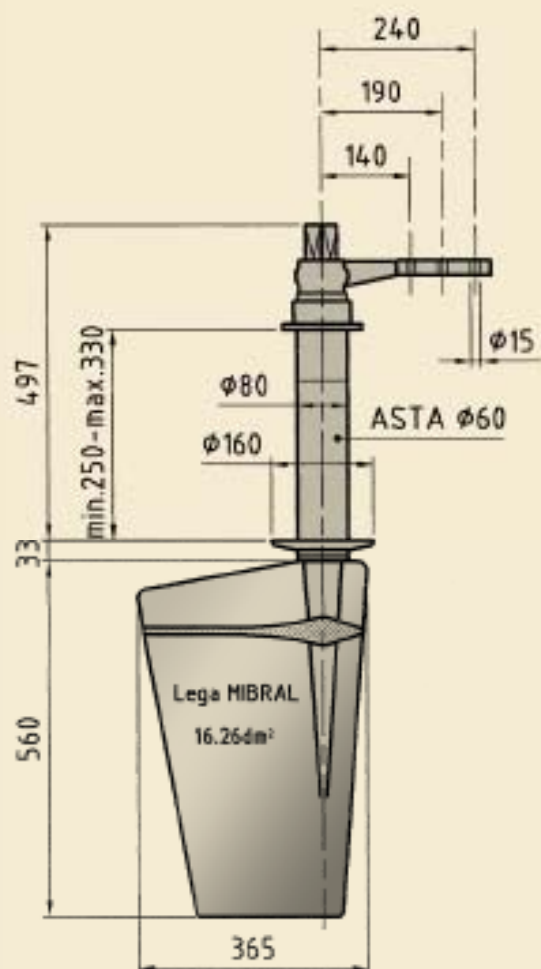
Tipo 17/15-S.0°

Peso Kg 27



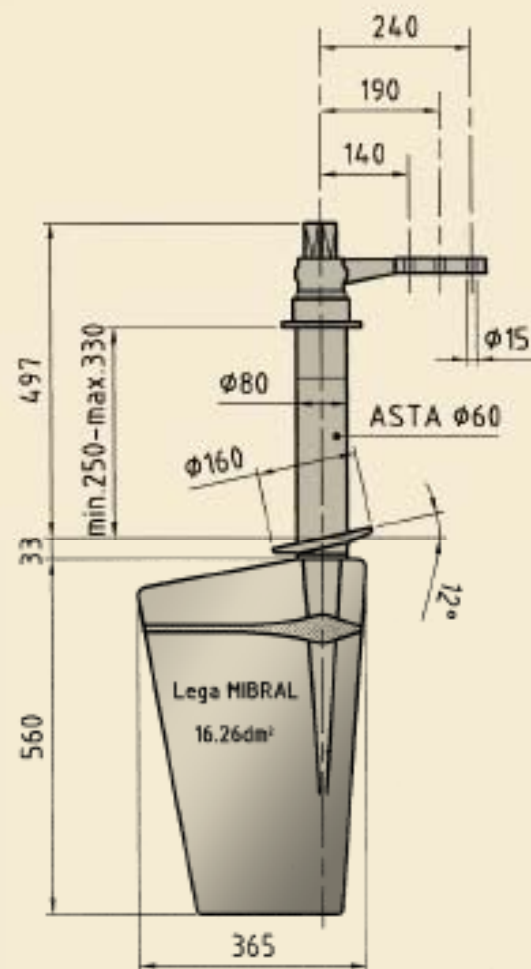
Tipo 45/16-P

Peso Kg 48



Tipo 45/16-V

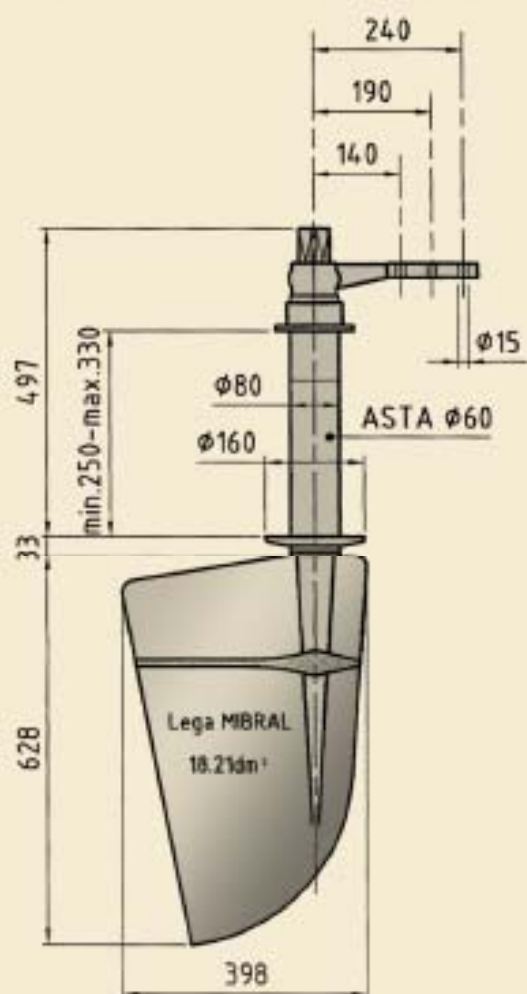
Peso Kg 48



Momento torcente max = 1500Nm

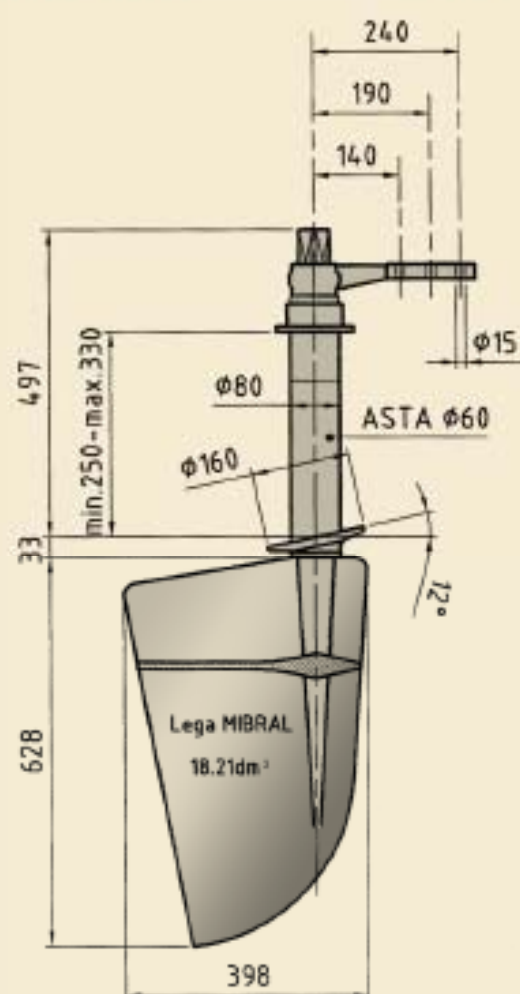
Tipo 45/19-P

Peso Kg 51



Tipo 45/19-V

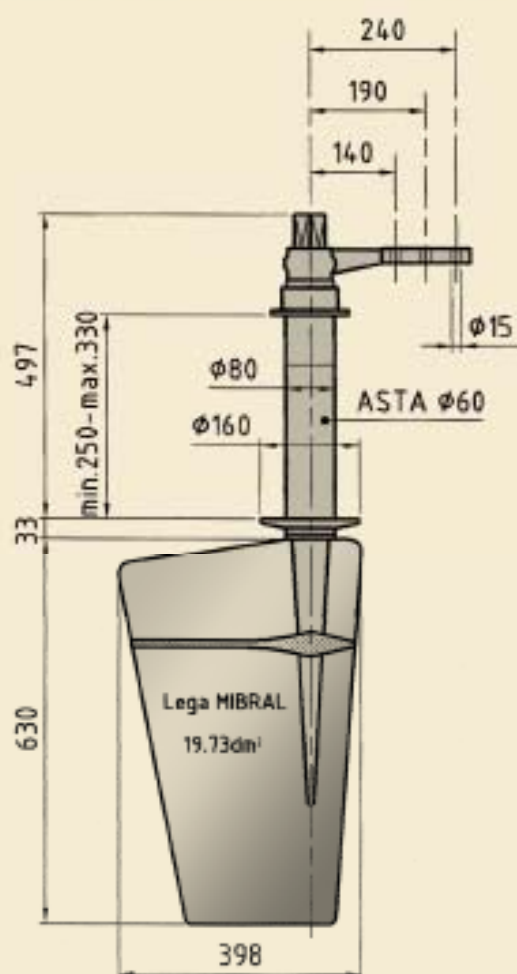
Peso Kg 51



Momento torcente max = 2000Nm

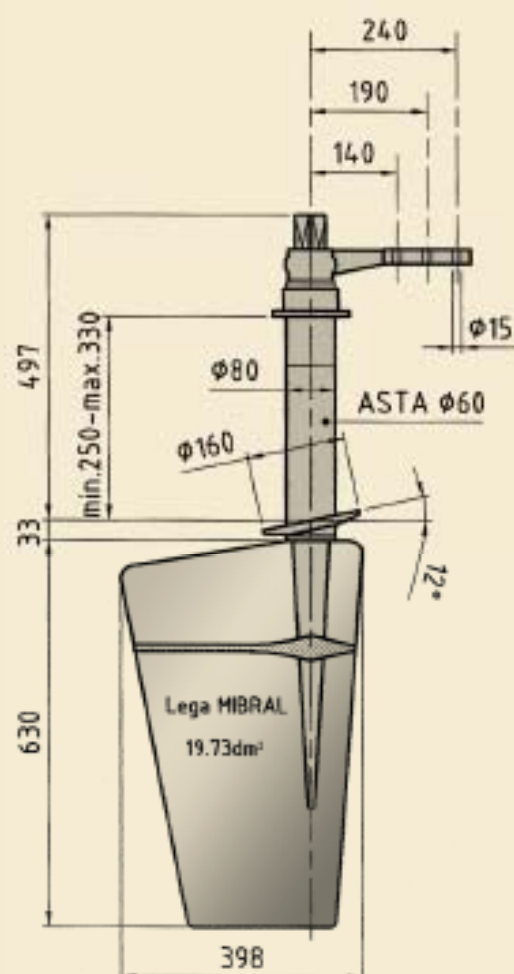
Tipo 45/20-P

Peso Kg 54



Tipo 45/20-V

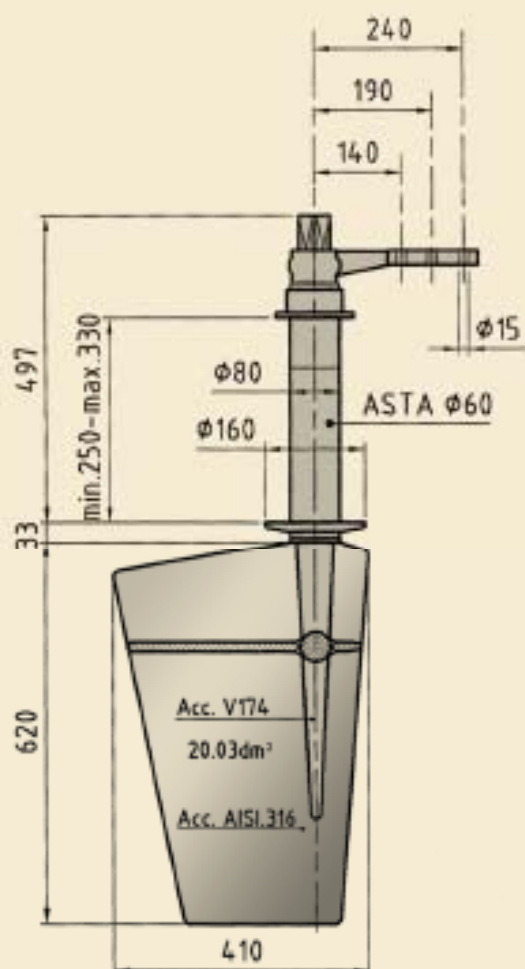
Peso Kg 54



Momento torcente max = 1800Nm

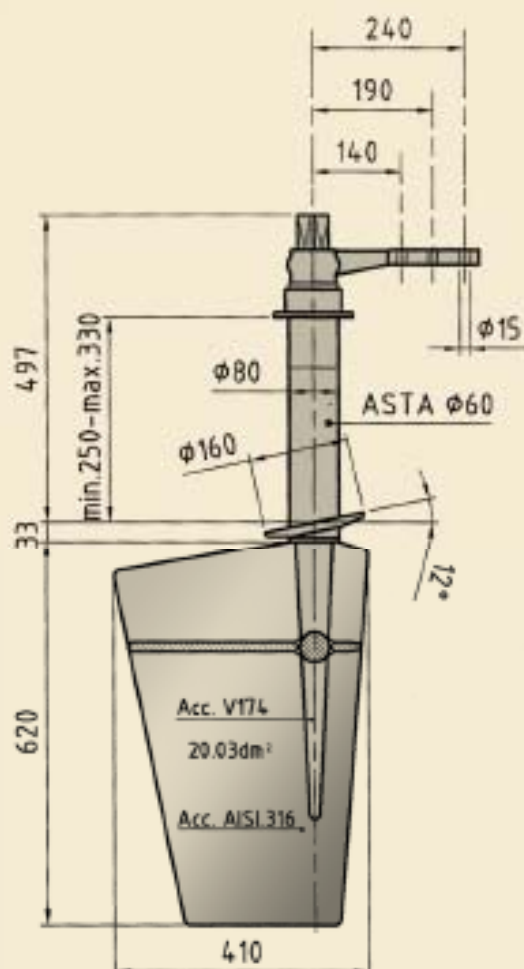
Tipo 43/20-P

Peso Kg 45



Tipo 43/20-V

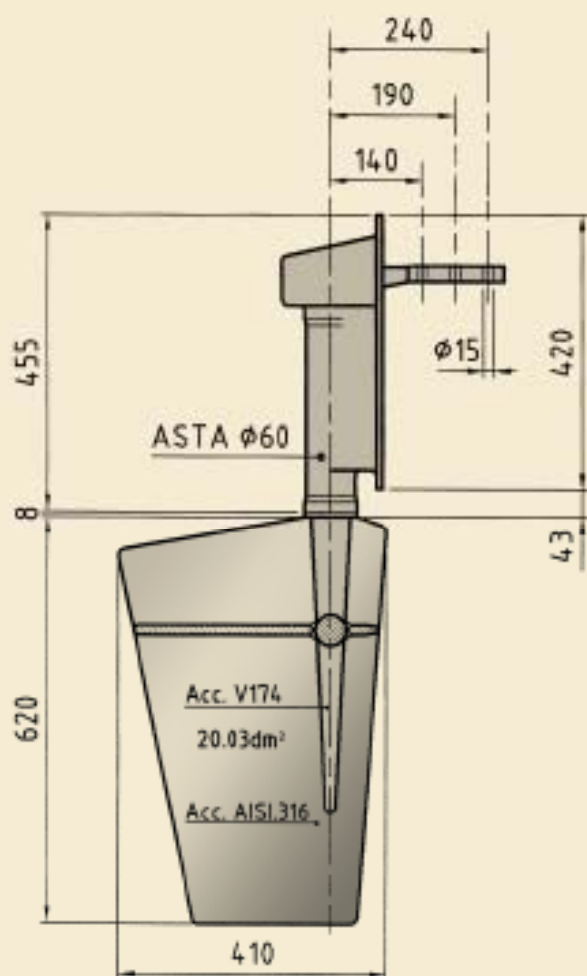
Peso Kg 45



Momento torcente max = 5000Nm

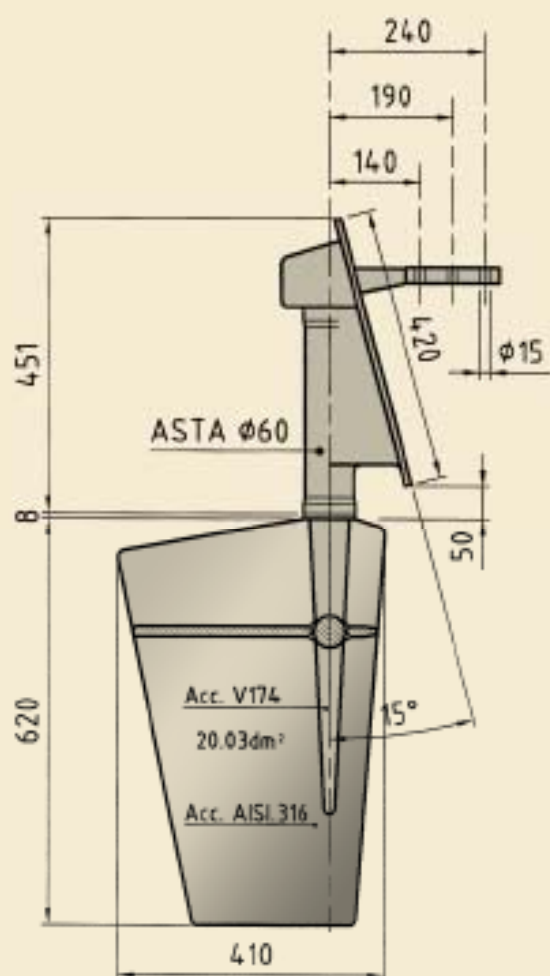
Tipo 43/20-S.0°

Peso Kg 45



Tipo 43/20-S.15°

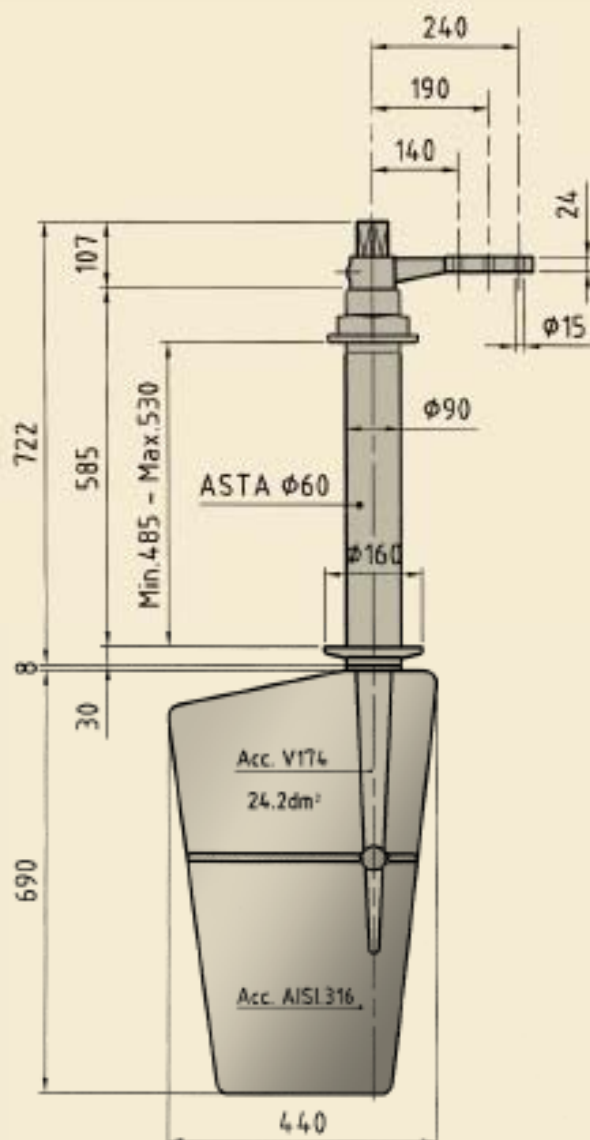
Peso Kg 46



Momento torcente max = 5000Nm

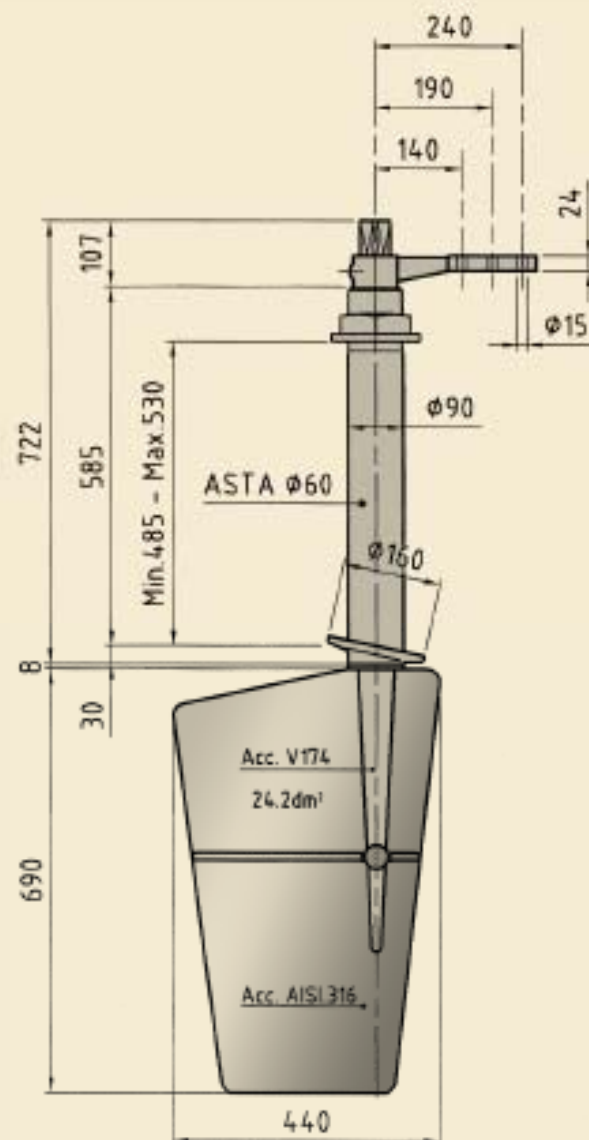
Tipo 78/24-P

Peso Kg 62



Tipo 78/24-V

Peso Kg 62

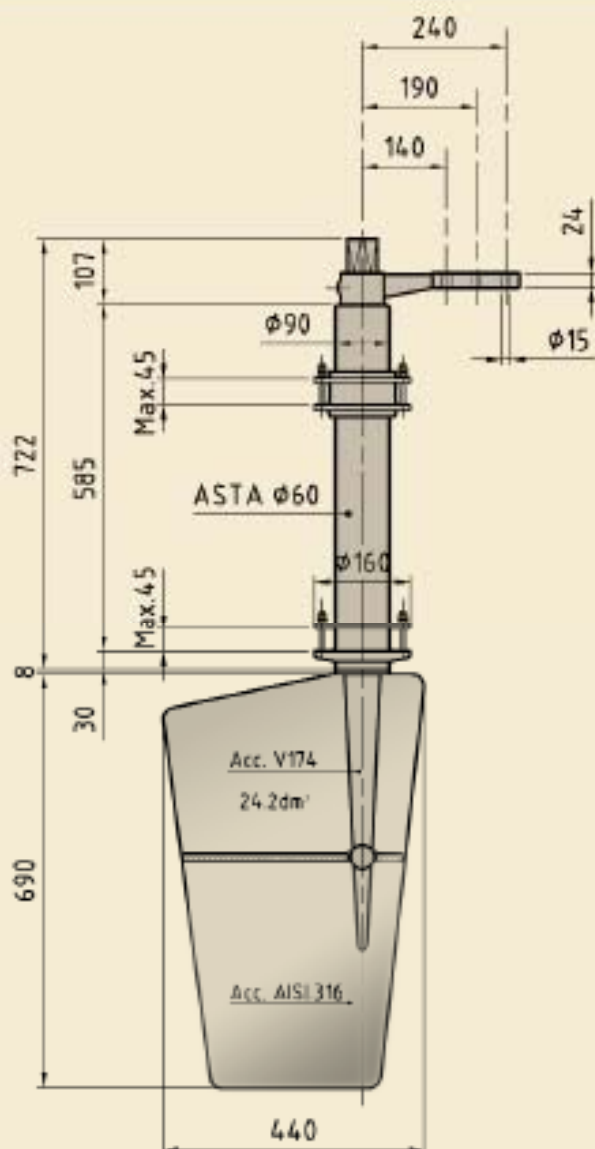


Momento torcente max = 6000Nm

(Adatto per scafi in vetroresina)

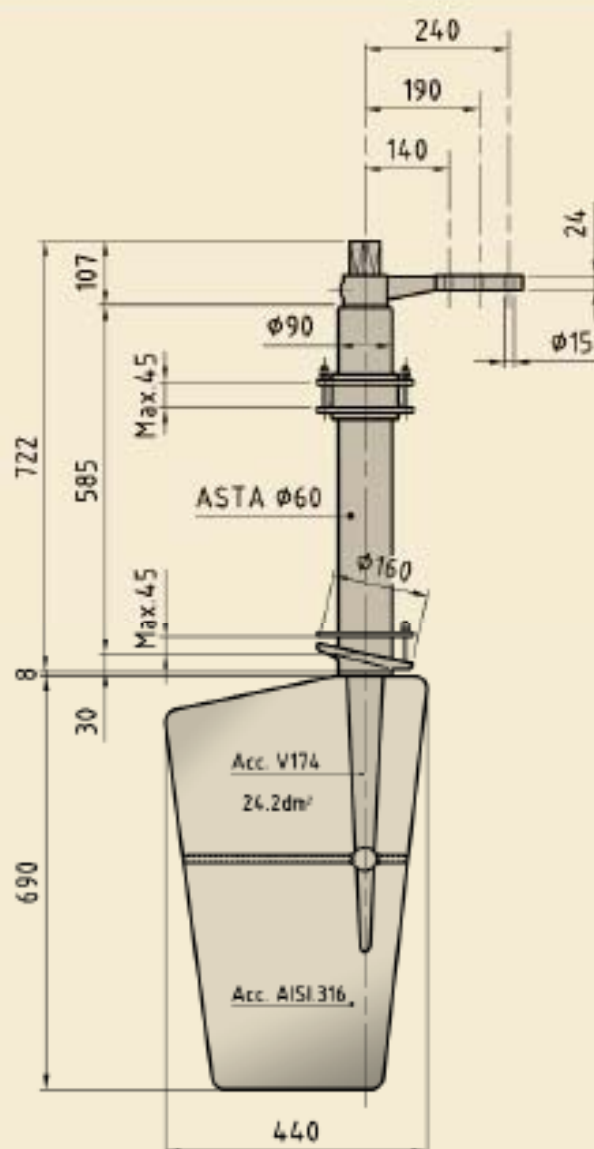
Tipo 78/24-PL

Peso Kg 65



Tipo 78/24-VL

Peso Kg 65

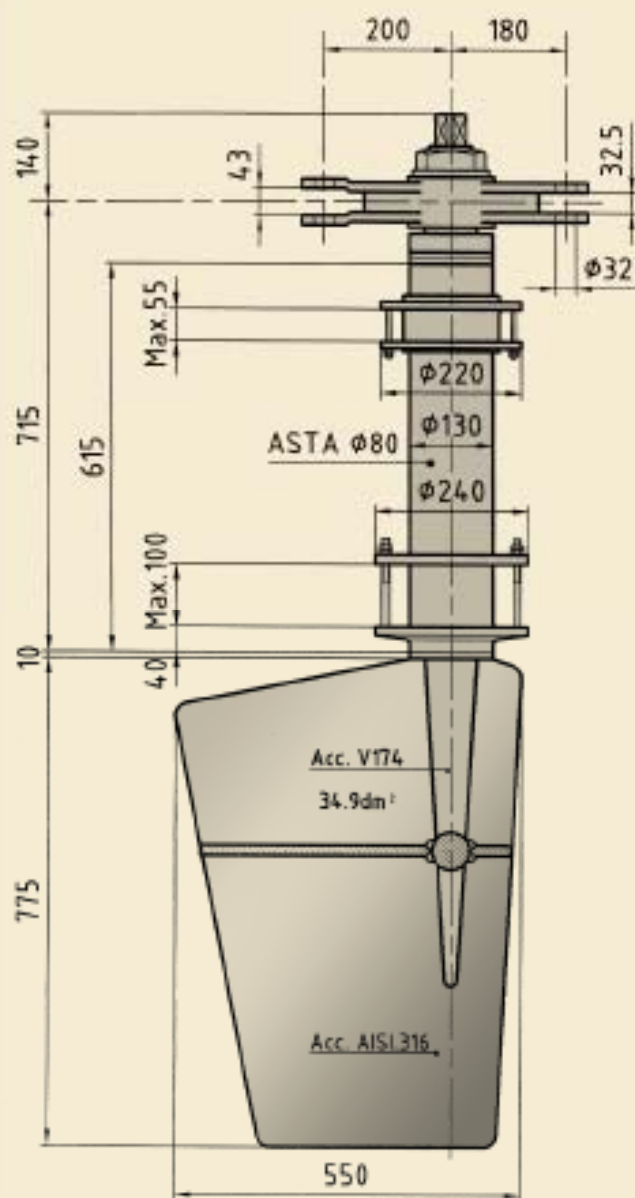


Momento torcente max = 6000Nm

(Adatto per scafi in legno)

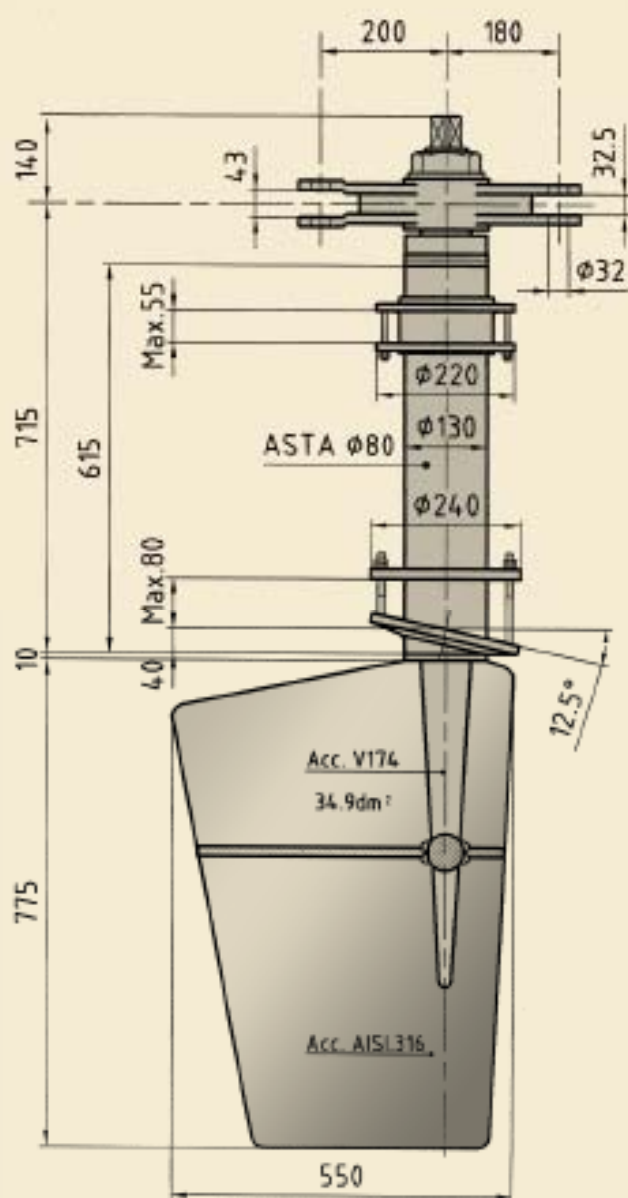
Tipo 38/35-P

Peso Kg 150



Tipo 38/35-V

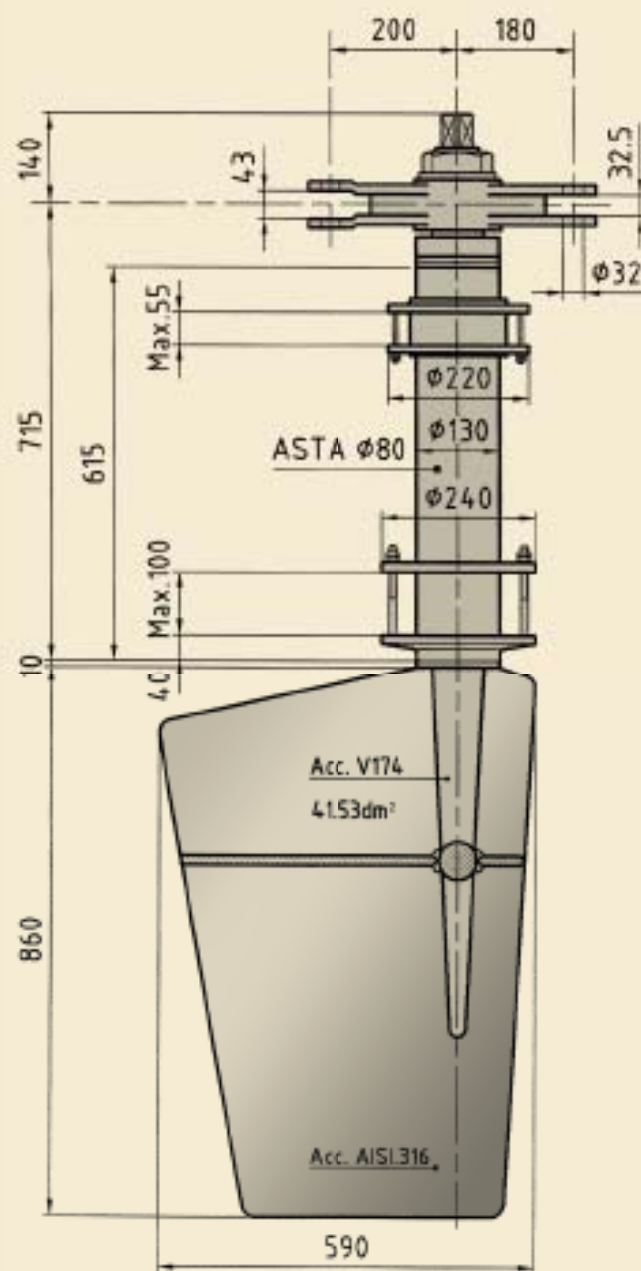
Peso Kg 150



Momento torcente max = 12000Nm

Tipo 38/40-P

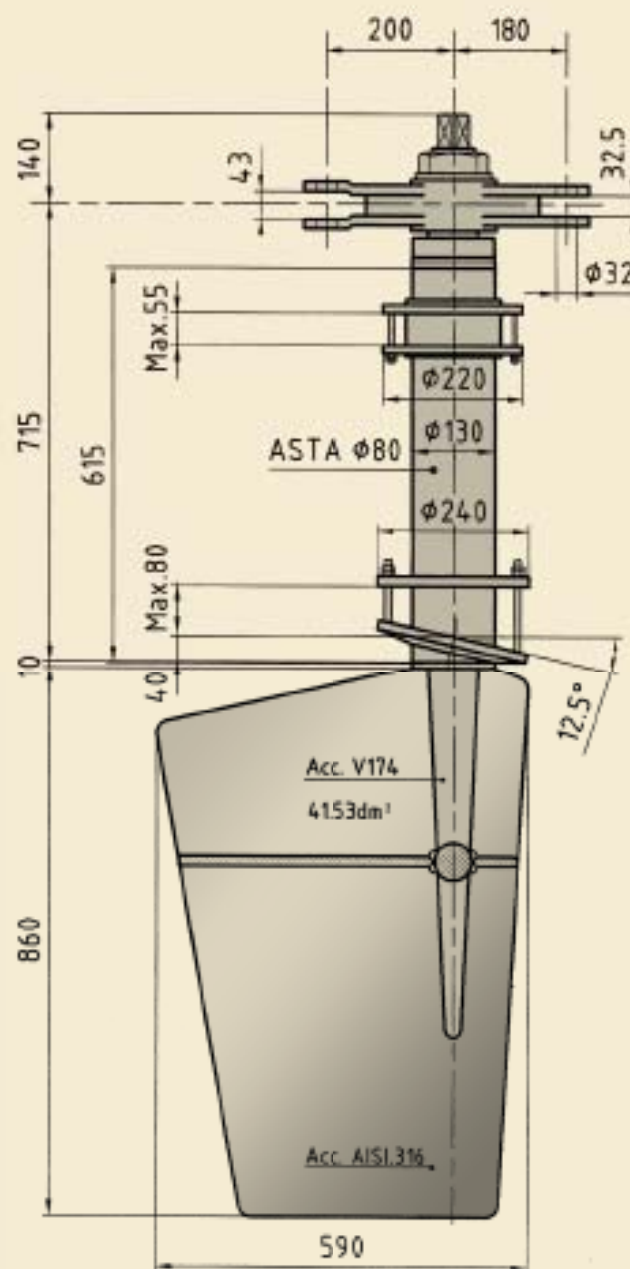
Peso Kg 160



Momento torcente max = 12000Nm

Tipo 38/40-V

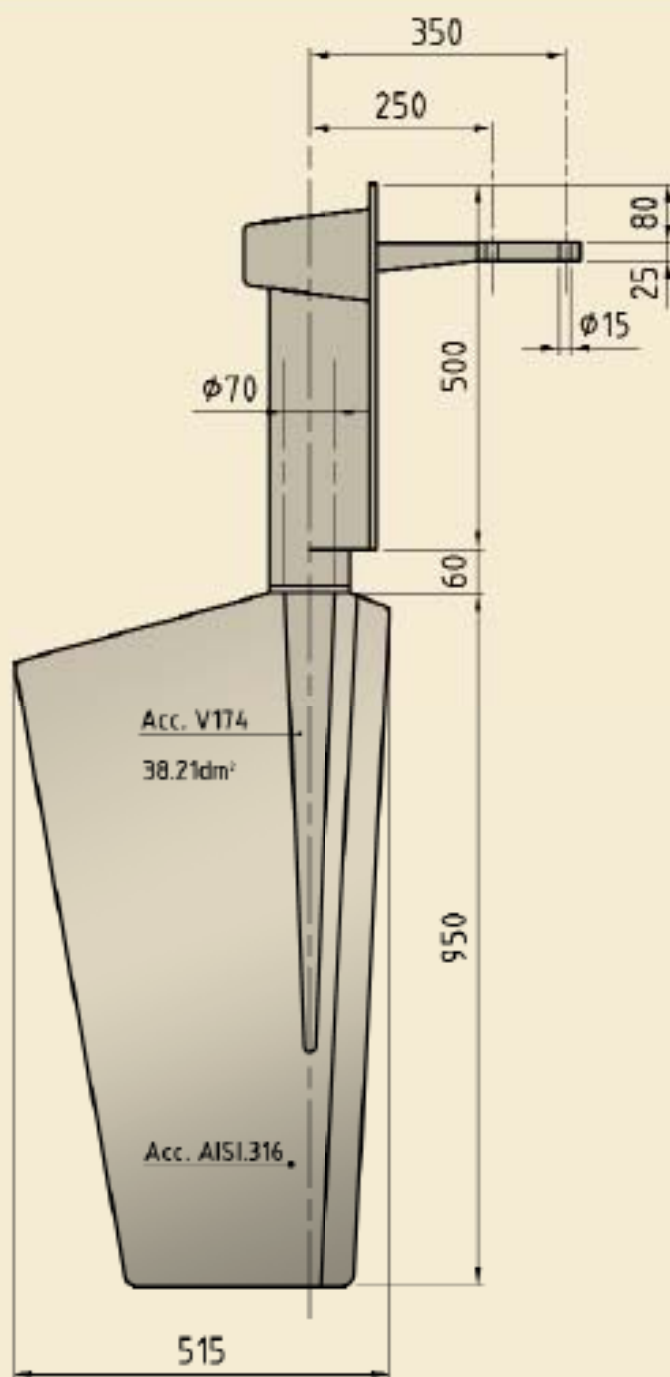
Peso Kg 160



Momento torcente max = 12000Nm

Tipo 79/38-S.O°

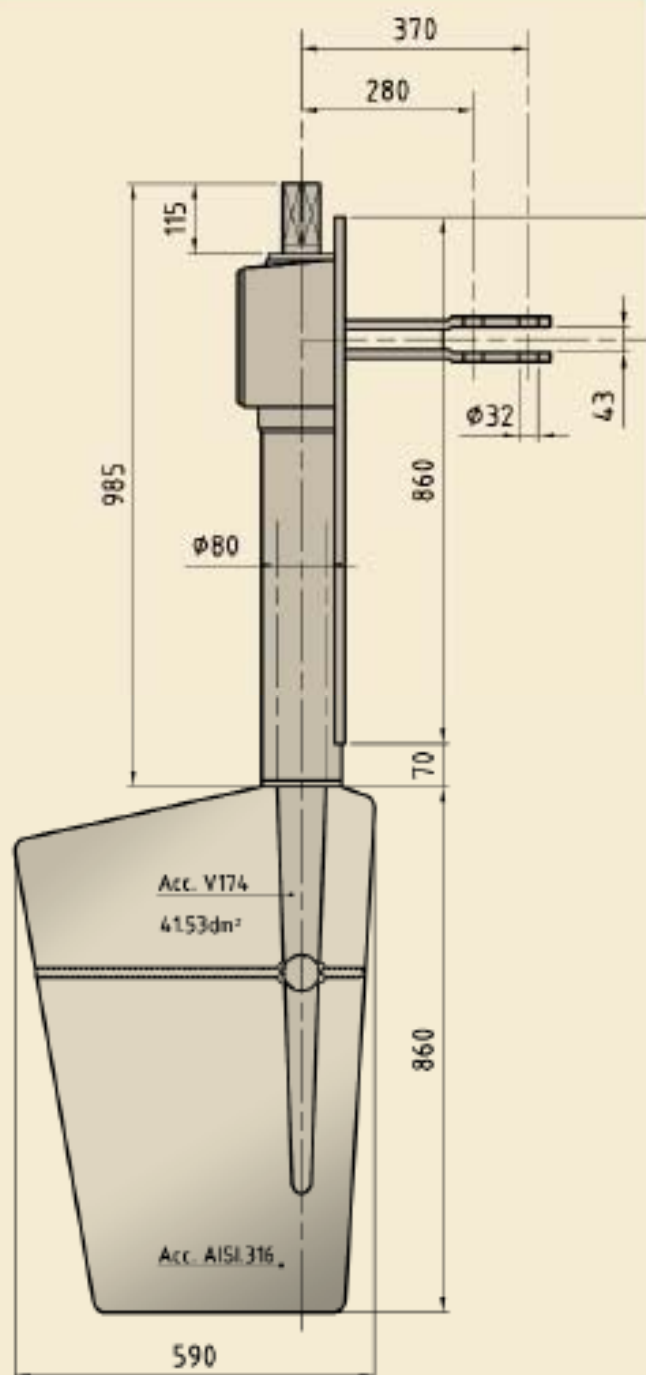
Peso Kg 87



Momento torcente max = 5000Nm

Tipo 38/40-S.0°

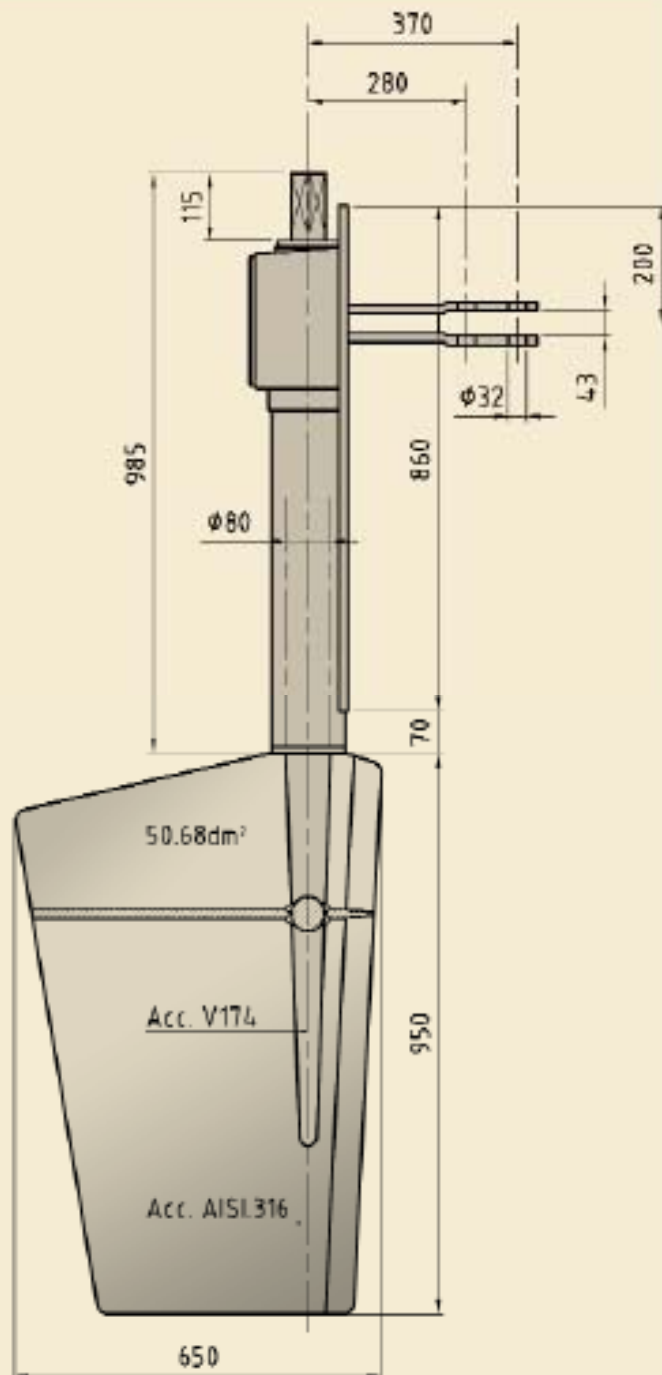
Peso Kg 160



Momento torcente max = 12000Nm

Tipo 38/50-S.0°

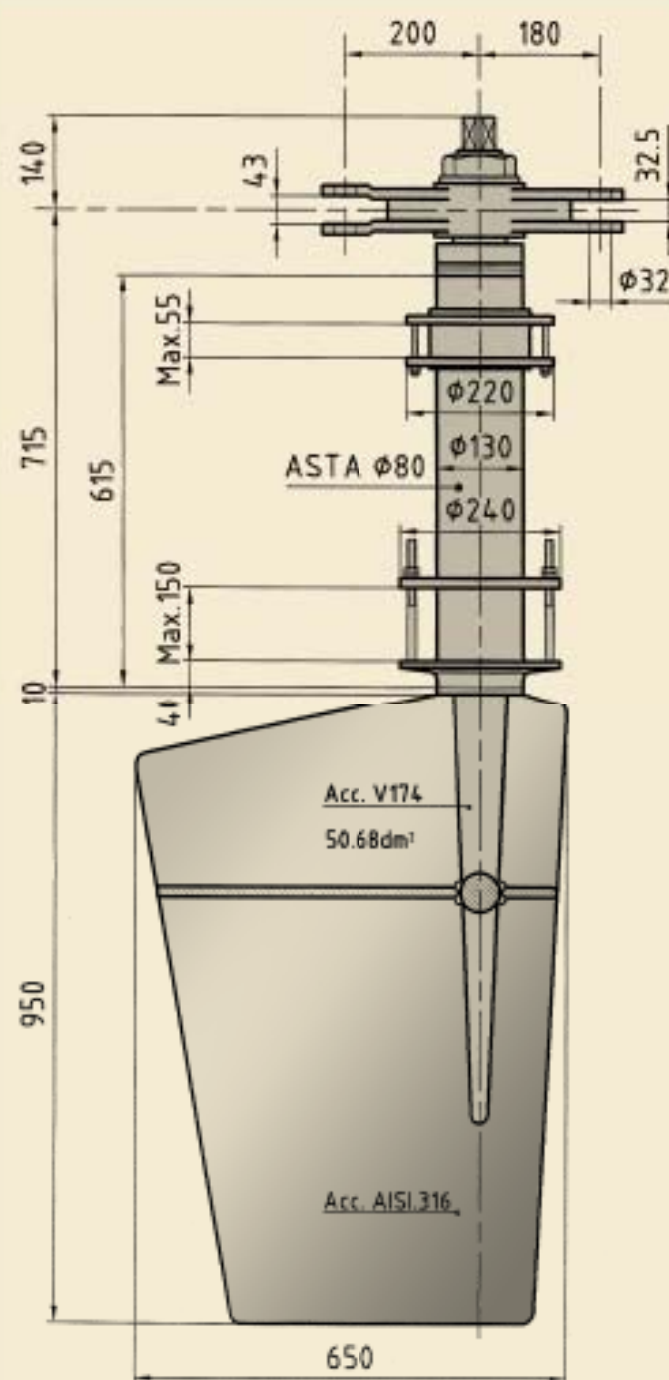
Peso Kg 170



Momento torcente max = 10000Nm

Tipo 38/50-P

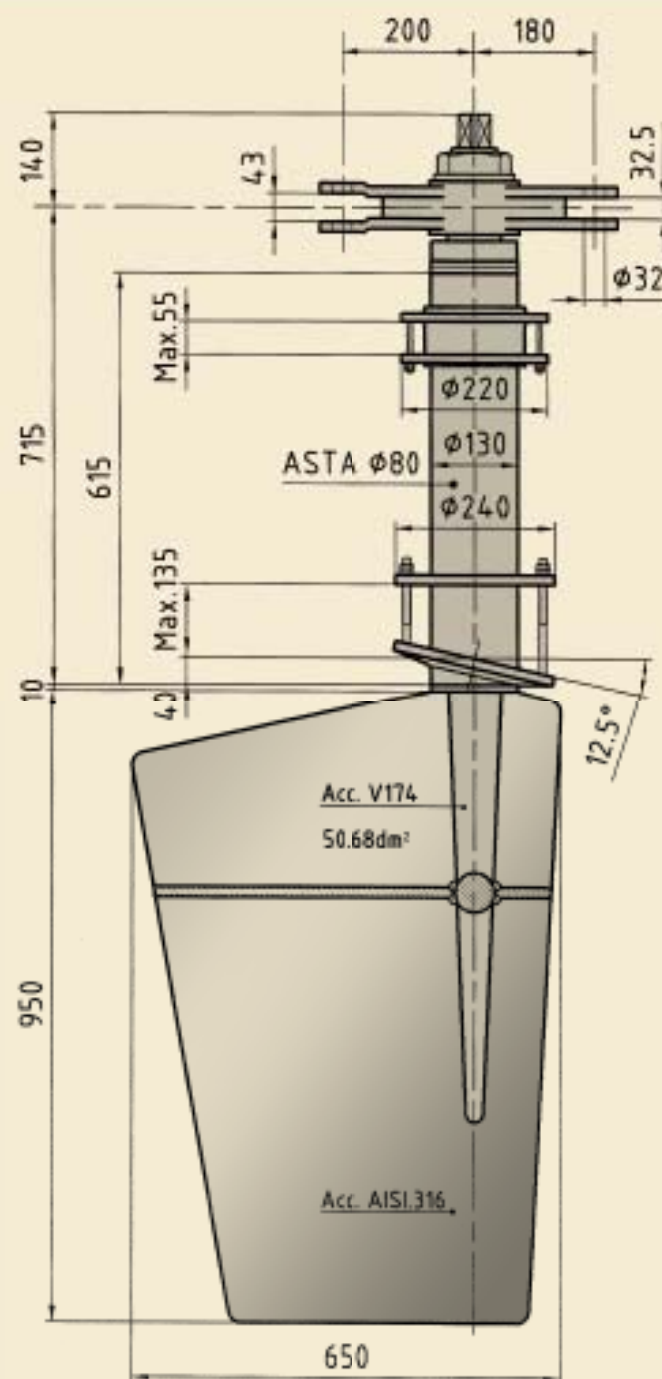
Peso Kg 170



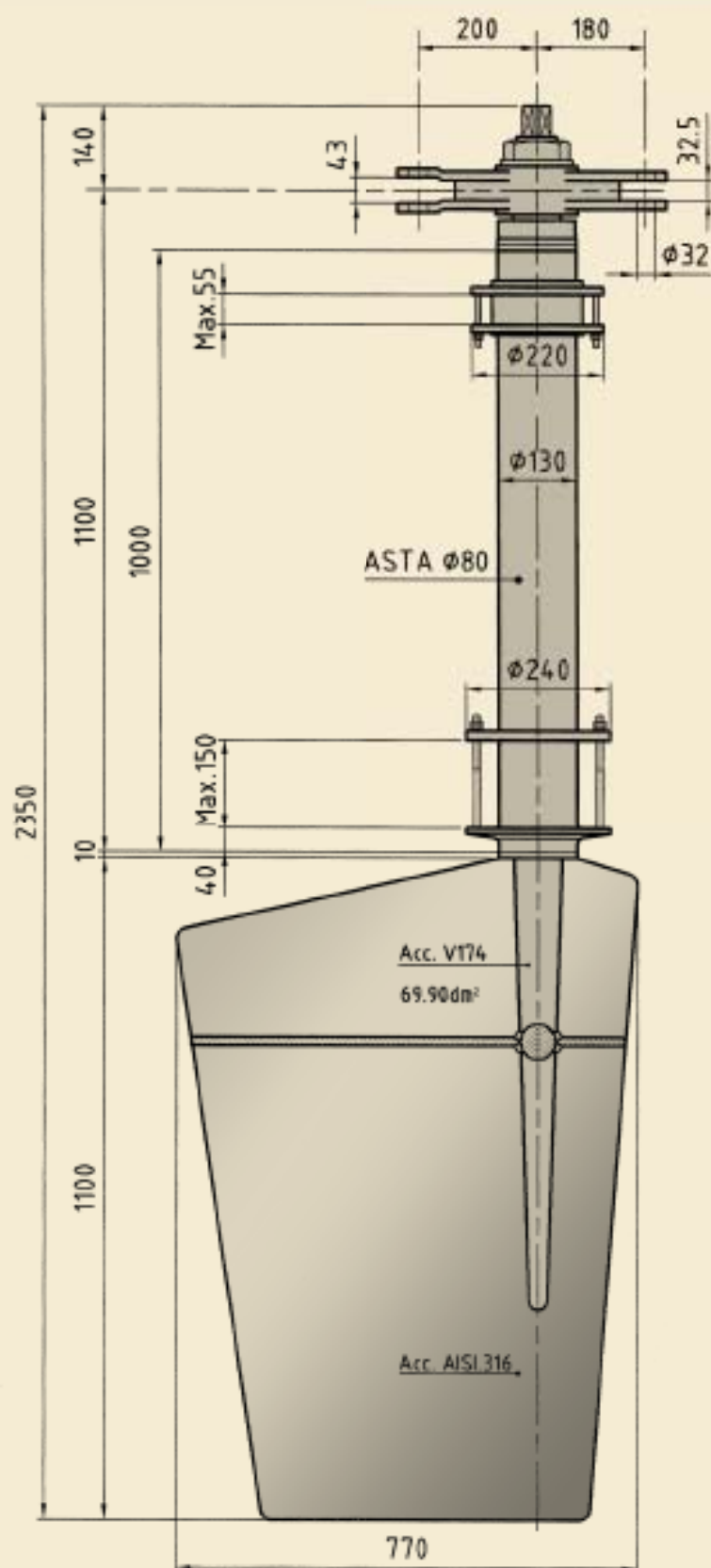
Momento torcente max = 10000Nm

Tipo 38/50-V

Peso Kg 170



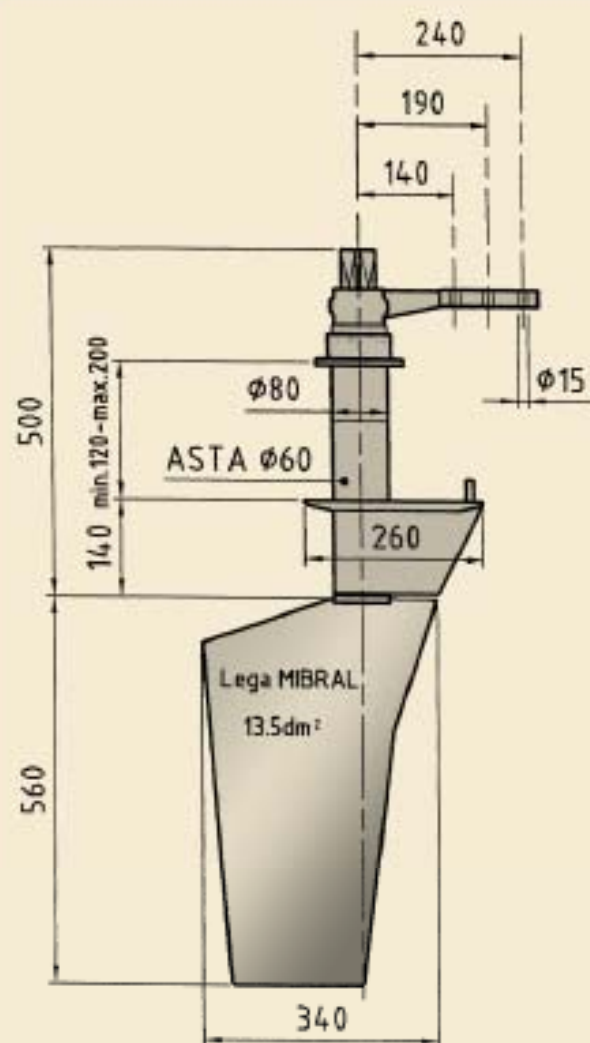
Momento torcente max = 10000Nm



Momento torcente max = 12500Nm

Tipo 56/13-P

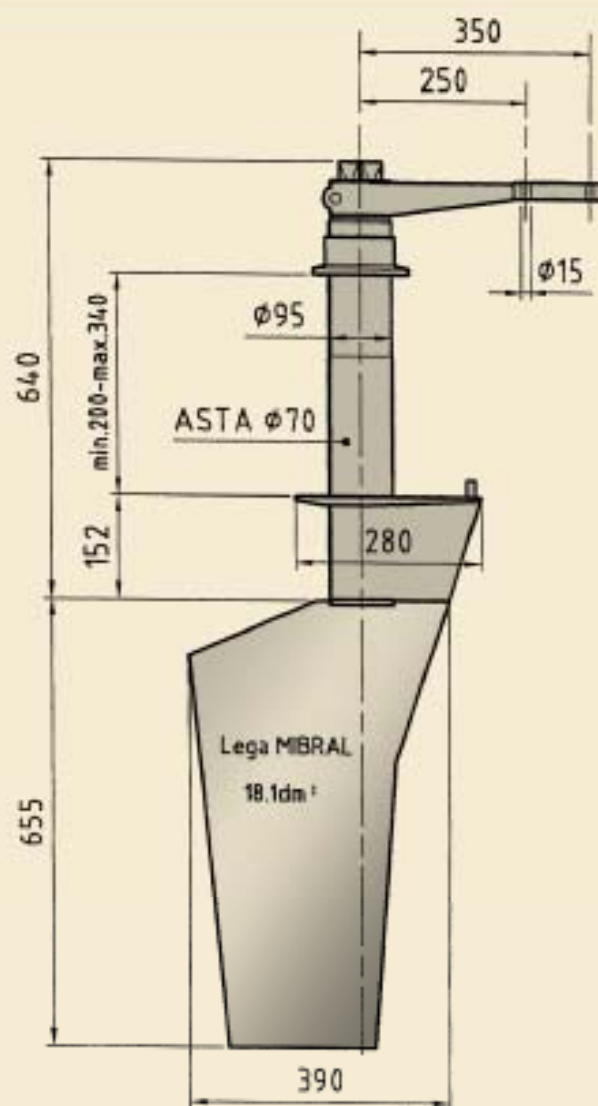
Peso Kg 40



Momento torcente max = 1700Nm

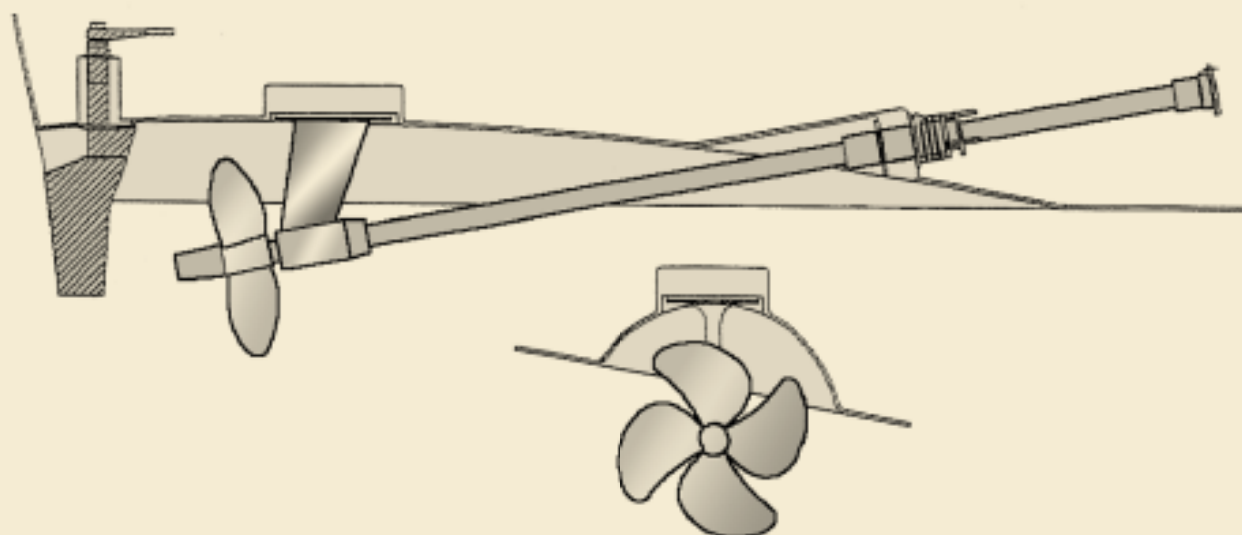
Tipo 50/18-P

Peso Kg 60



Momento torcente max = 6000Nm

Timoni adatti per scafi con Semi-Tunnel





ELICHE RADICE

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