

Pipe Floater for Dredging







FURUKAWA ELECTRIC

In spite of its lightweight and compactness Large Buoyancy

Free from rusting and sinking due to water seepage

"Wooky" is a pipe floater of laminated circular structure, obtained by interlayer thermal fusion of chemically cross-linked polyethylene foam of Furukawa Electric "FOAMACE"

Wooky can be mounted directly on sand discharge pipes, enabling compact and simple installation.

Eliminating sinking due to water seepage, Wooky achieves stabilized buoyancy and durability, thereby exhibiting superior performance.

Stabilized Buoyancy

The fine closed cells individually exert buoyancy, and they do not absorb water. Moreover, since Wooky has a solid structure, it won't sink even if it is damaged by impact causing an opening or hole

In designing and manufacturing, Wooky is tailored for its size and mounting numbers according to specified pipes to be used.

Ease of Handling

For its lightweight and compactness, Wooky is easy to handle, allowing easy mounting on to sand discharge pipes. It can be used to float in shallow water areas and narrow channels

Long-Term Stability

Wooky neither corrodes due to sea water nor sinks due to seepage, thus maintaining stabilized buoyancy for long periods.

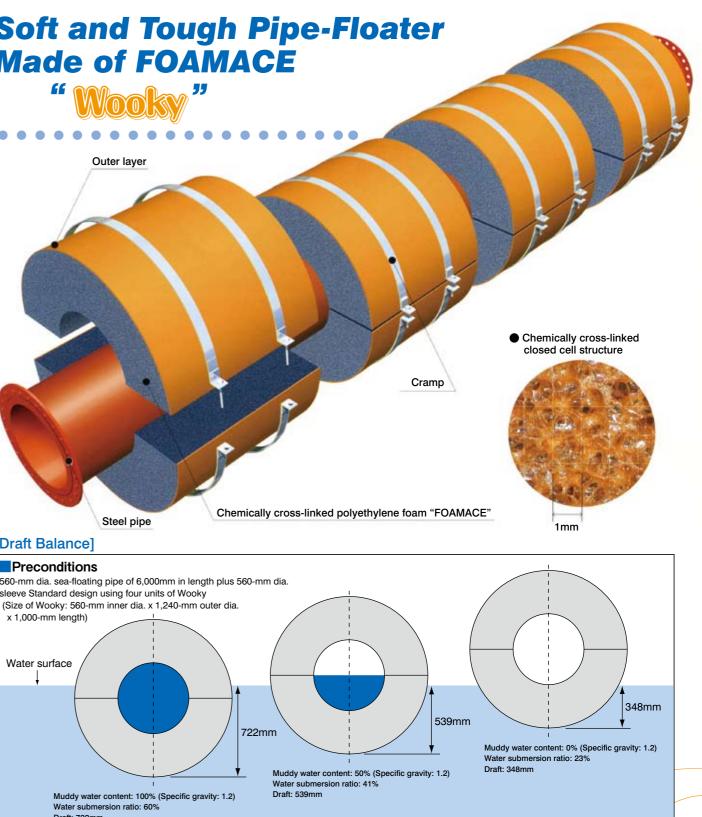
Environment and Safety Is Taken into Account

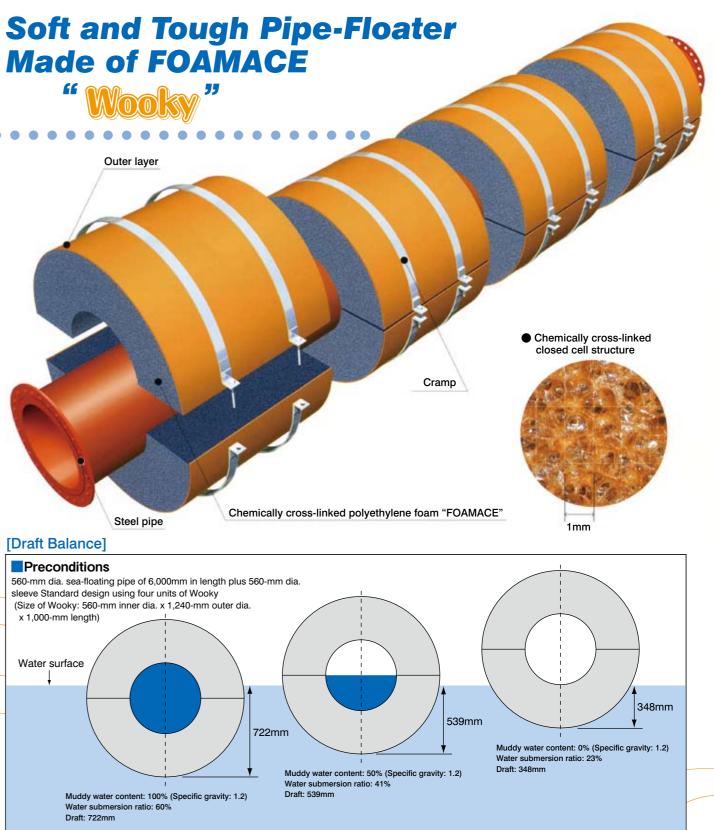
Wooky uses neither chlorofluorocarbons for foaming nor hazardous substances leaching into sea water. Moreover, its resiliency reduces impacts on equipment in case of collisions.

High Transportability and Economic Efficiency

Wooky saves storage space and upgrades transportation efficiency. Moreover, it can be used repeatedly, resulting in much improved economic efficiency







[Guideline for Standard Wool	ky Des	sign] (Specific	gravity o	of mudd	y water:	1.2; Draf	t in fully-	loaded o	peration	1: 60%)	\checkmark	\square
Sand discharge pipe: nominal dia. (mm)	200	250	300	355	410	510	560	610	630	660	685	710	760
Sand discharge pipe: inner dia. (mm)	204.7	254.2	304.7	355.0	410.0	510.0	560.0	610.0	630.0	660.0	685.0	710.0	760.0
Sand discharge pipe: thickness (mm)	5.8	6.6	6.9	9.0	9.0	9.0	9.0	12.0	12.0	12.0	12.0	12.0	12.0
Sand discharge pipe: length (mm)	5,500	5,500	5,500	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
Number of Wooky used: (unit per steel pipe)	4	4	4	4	4	4	4	4	4	4	4	5	5
Inner dia. of Wooky (mm)	210	260	310	360	420	510	560	610	630	660	690	710	760
Outer dia. of Wooky (mm)	490	590	690	840	950	1,140	1,240	1,390	1,430	1,490	1,540	1,470	1,560
Length of Wooky (mm)	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
* Designs under other conditions listed above are available with different sizes of sand discharge pipe and different numbers of Wooky unit Places make induiries								nuirios					

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Mounting Procedures

Example of mounting using metal cramp (Sand discharge pipe: 810-mm dia. x 6,000mm; Five Wooky units are used per one length)



1 Metal cramp and Wooky (lower half) are arranged.



•Example of Wooky mounted using metal cramps for sea water use.





3 Wooky (upper half) is overlaid. The size is designed to be a little tight to prevent coming off. Press it down to fit properly.



4 Fasten the bolt firmly so that the metal cramp sinks somewhat into the surface.

Mounting using steel band (for freshwater) An exclusive tool is needed.



As shown in the photo, put the outside steel band on the binding tool to let it through, and fasten the band by moving the lever back and forth.



•Example of Wooky mounted using steel bands for freshwater use.

Caution

Wooky is flammable, being made of foamed polyethylene. When a fusion burner and the like is used for disassembly, take extra care that Wooky does not catch fire. Also watch out for fire during storage.

Pipe Floater for Dredging WOOKY

Wooky can be used in combination with steel drum floaters.

Wooky can be used in combination with steel drum floaters, when line elongation is needed. The drum floaters would sink, making a smooth transition.

Example of Use



Pipe Floater for Dredging WOO

Track Record of Wooky (Abstract of typical construction work)

Name of construction work	Sand discharge pipe dia. (mm ϕ)
Banyu river, Kanagawa-pref.	510
Kumamoto port, Kumamoto-pref.	340
Lake Kasumigaura, Chiba-pref.	270
Island City, Hakata bay, Fukuoka-pref.	760
Toyano tideland, Niigata-pref.	160
Port Island, Hyogo-pref.	560
Tokoname offshore, Ise bay, Aichi-pref.	355
Central Japan International Airport, Aichi-pref.	800
Multi-purpose dam, Yamagata-pref.	310
Aritificial beach, Nachi bay, Wakayama-pref.	560
Singapore	700

Frequently Asked Questions about

Q.1 Is Wooky free from getting chipped and crushed?

(Below will be given answers to frequently asked questions.)

Wooky



•Typical loading of Wooky on a truck.



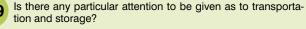
Wooky can be stacked in many ways to ensure space-saving storage.

Since Wooky has a solid foam structure, it does not sink even when damaged by pebbles. Moreover, even when it is dropped from a truck, rolled on land or plunked on its end, Wooky does not sink during usage.

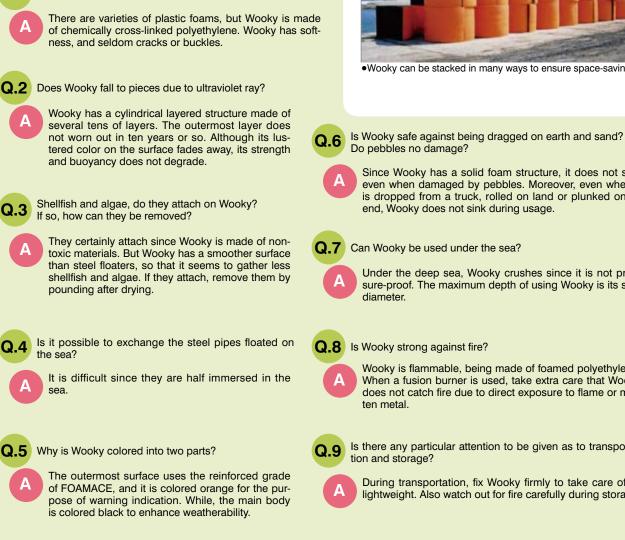
Can Wooky be used under the sea?

Under the deep sea, Wooky crushes since it is not pressure-proof. The maximum depth of using Wooky is its self-

Wooky is flammable, being made of foamed polyethylene. When a fusion burner is used, take extra care that Wooky does not catch fire due to direct exposure to flame or mol-



During transportation, fix Wooky firmly to take care of its lightweight. Also watch out for fire carefully during storage.



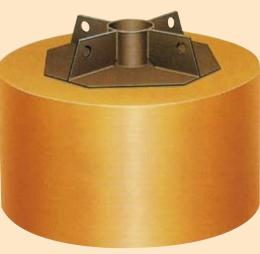
For Workboats

Furukawa Anchor Buoy D-type

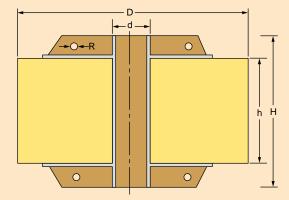
FOAMACE-made anchor buoy that is light in weight, high in softness and toughness. Best suited for workboats which require frequent casting and hoisting of anchor.

Features Lightweight It is half as heavy as steel anchor buoys. Non Water-Absorbing It does not absorb water since the floater is made of FOAMACE, a chemically cross-linked polyethylene foam having closed cell structure. High Safety Even when collided with by any chance, it eases impact thanks to its cushioning effects. High Durability FOAMACE does not rust out.

Provided with Holes on Metal Fitting Convenient for







Hanging and Tugging

Structure and Material

Floater

FOAMACE, a chemically cross-linked polyethylene foam, is laminated in a circular form and its layers are thermally fused together.

Metal Fitting

Made of steel, rustproof coated.

Product No.	Max. buoyancy	D mm ϕ	d mm ϕ	H mm	h mm	R mm ϕ	Mass
D-200	200kg	840	150	700	500	40	Approx. 66kg
D-300	300kg	1000	150	700	500	40	Approx. 72kg
D-600	600kg	1000	150	1200	1000	40	Approx. 102kg

* Please make inquiries for special sizes.

A Cautions When Using

This product is flammable, being made of foamed polyethylene. In case of using fire, cover the product with flame-resistant sheets.

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