

DREDGING CUTTER HEADS

Harrow Head

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Key Highlights

Category	Dredging Cutter Heads
Standard	DIN
Material	Harrow tooth and other quick-wear parts are all made of high wear-resist...
Weight / Size	Proper selection of the shape and size for harrow head has direct relati...
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS

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Technical Specifications

Category	Dredging Cutter Heads	Model / SKU	Harrow-Head
Standard	DIN	Material	Harrow tooth and other quick-wear parts are all made of high wear-resisting material and there's fast and convenient fixed institutions to replace.
Weight / Size	Proper selection of the shape and size for harrow head has direct relationship between the efficiency of production cost and dredging the high and low.	Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS
Warranty	12 Months unless specified otherwise	Origin	China

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Harrow head

General description

The design and selection of harrow head is based on mining soil types to decide. Proper selection of the shape and size for harrow head has direct relationship between the efficiency of production cost and dredging the high and low.

Harrow head mainly includes adjust cover support frame and a flexible adjust cover. They connect through the high strength of the hinge. Harrow head used blocking design, components on harrow head can be replaced after damaged or worn unit directly. Need not change harrow head assembly.

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Technical parameter

Pipe diameter(mm)	Length	Flexible cover length	Width	Flexible cover width
420	1300	1000	1600	1340
550	1525	1100	1800	1560
600	1560	1190	1850	1560
650	1900	1240	2650	2550
700	1935	1255	2700	2600
750	1950	1300	2810	2700
800	2000	1550	2940	2750
900	2350	1650	3200	2850
1000	2850	1760	3700	3250
1200	3300	1850	4240	3700

General type harrow head (Gravity type harrow head)

General type harrow head mainly include main body of harrow head and self-adjusting cover installed on main body. It can loose soil under the work role of harrow tooth on adjust cover and water column water column supplied by special nozzle, water diversion window on adjust cover which can be mechanical adjusted can provide appropriate dredge water when conveying mud.

Harrow head welded of high-tensile structural steel, the harrow tooth is made of high wear resisting cast steel, installed in the adjust cover along with the full width mouth water type decorates, the key parts are made of rustproof material.



Fixed turbulence model

Adjustable fixed feet slip of fixed turbulence model harrow head at the end of adjust cover is used to set the interval between adjust cover and seabed or between adjust cover and support frame, there is fixed adjustable device used to set the interval between adjust cover and seabed, convenient for the support of dredge water when harrow head working, there is adjustable water inlet on adjust cover, in order to provide more dredge water when dredging soft soil.

Harrow head of this type can dredge high concentrations of mud of various soil types, its characteristic is main body weight relatively light and drag force is small.



Initiative harrow head

Initiative harrow head is connected by hydraulic device between adjust cover and main part on harrow head, when dredging in control cabinet adjust interval between adjust cover and seabed through hydraulic device to get the most suitable sucking pressure and play the most efficient dredging efficiency.

Hydraulic power components on initiative harrow head can be installed directly on harrow head, just need to connect control line and power line, then can easily adjust in control cabinet; Hydraulic power components can also be installed in the cabin deck, need connect hydromantic oil pipe to hydraulic cylinder on harrow head.

Optional monitoring measuring system the hydraulic cylinder on the hydraulic cylinder, equipped with signal cable, can do accurate settings according to the circumstance in control cabinet when in work.

