



# HYDRAULIC GRAB

## Working Principle

Hydraulic Grab is a high efficient equipment to handle waste steel ,iron,mineral,rubbish or other irregular massive material which replace human under various conditions.

Hydraulic grab belongs to hydraulic structural product. It is combined by hydraulic cylinder,grab bucket (jaw), connection columns, ear plate, earmuffs, bucket teeth, tooth block and other spare parts.The key driving parts is hydraulic oil cylinder.

Excavator used hydraulic grab is divided into rotary and non-rotary two kinds .The non-rotary grab use the excavator oil pipeline which means it do not need additional hydraulic valve block and pipeline.Oppositely,the rotry grab need additional hydraulic valve block and pipeline to operate.

## Engineering application scope

Hydraulic grab can operate under various conditions. The unique designed jaw curve is perfect for grabing waste steel,iron and other irregular massive material.It owns 2-6 jaw, each jaw driven by an individual oil cylinder to insure the materials won't leak.

## Excavator used hydraulic grab application scope:

- 1.Digging construction foundation, deep hole or load soil,sand,coal,macadam etc.
- 2.Digging and loading on the limited side of the channel or space
- 3.Loading,stacking and transportation waste steel,crushed aggregates, saw dust, ballast in iron and steel enterprises,port,wharf,railway station,storage etc.

Item \ Model	Unit	BY1000H	BY1500H	BY2000H
Weight	kg	510	1200	1560
Max jaw opening	mm	1750	1780	1950
Height of closed grapple	mm	1440	1540	1650
Set up pressure	bar	260	260	260
Operating flux	lpm	20-70	60-120	60-120
Cylinder volume	litre	400	600	800
No.of jaw	piece	5-6	5-6	5-6
Suitable excavator	Ton	5-11	12-18	18-25