

Fork Grapple



Fork Grapple is a relatively new design under the Grapple family. Although this design is not commonly seen outside the Asian market, it has been fast gaining popularity. The design was tweaked from a conventional grapple for material handling applications, light demolition, recycling and scrap industries. Its lightweight, 2-tine over 3-tine frame design provides extraordinarily rapid grappling action, reducing cycle time and increasing productivity. Internal structures within each tine are heavily reinforced to ensure maximum rigidity.

Unlike the conventional grapple design where a stiff arm is mandatory, in the case of a fork grapple, the use of stiff arm is totally eliminated. As a result, both jaws open and close simultaneously in a single action, which translate into 2x the opening and closing speed of jaws as compared to typical stiff-arm grapple, and yet with a very firm clamping force. Each tine is serrated with wear strips, provides additional protection on each tine as well as enhancing the gripping strength of irregularly shaped items. The installation process of the fork grapple is similar to installing a bucket, and absolutely no welding is required.

Available in various models to suit excavator sizes ranging from 5 – 30 metric tons (11,000 – 66,000 lbs) operating weight. The fork grapple is popular among customers who seek to reduce cycle time as their top priority.

Applications:

- Demolition of wooden structure/house.
- Handling of industrial material.
- Land clearing and garbage handling.
- Waste recycling and scrap handling.

Features:

- Extremely easy to install, no welding process is needed. Similar assembly process as a bucket.
- Large jaw opening, increased productivity.
- Upper and lower jaws open and close simultaneously, translate to a higher operation speed and improves productivity.
- Reinforced internal tine structure, designed for high durability.

