No.2501

Refiner plate

The pattern and material of the plate has a close relationship with not only pulp quality but also available feed amount of chip and specific power consumption. The pattern and material are selected on the basis of experience and operation record. The plate is composed of two sections: breaking zone where chips are roughly broken, and refining zone for complete defibration and beating. The plate is made of high-chrome stainless steel. One set includes six plates. Three plates on each side (rotational and fixed sides) forms one segment. The photo shows the shapes.

Plate diameter: 305mm in diameter
Material: stainless steel antiwearing material
Outer dimensions: 260 x 115 x 15mm
Plate weight: 1.5kg x 6 plates

<shape and features>
A · B: For intermediate breaking. Capable of beating to make fibers directly from chips. Plate "A" is provided with a circumferential line to improve the breaking force. Plate "B" facilitates discharge.

C · I: Plate with smaller number of blades skew and not so sharp, suitable for defibration of coarse material without cutting fibers. "I" is provided with a circumferential line. "C" is effective to defibrate coarse materials, without cutting the fibers. "I" is provided with a circumferential line, while "C" has no edge.

D · H: When you desire to improve strength, "D" is suitable. It is designed for fine breaking, producing less amount of cut fibers. Plate "H" is provided with a circumferential line

"E" has a configuration similar to the raffinator, having a close correlation with the practical equipment, featuring improved flow in the breaker zone.

"F" is a special type provided with dams at different positions in the grooves. It features a longer stay time in the refining zone, thereby improving cutting effect

"G" has a configuration similar to the raffinator, having a close correlation with the practical equipment. It features a strong grinding effect.

"J" is especially effective for TMP (thermomechanical pulp). Since breakage is done strongly and rapidly near the circumference, causing less cutting, offering high strength.

"K" is a plate designed for separation of single fibers of synthetic pulp.

* Please note that the features of each plate may change depending upon the quality of material, grindness and plate interstice.