

URIII - SELF LOADING UNDER ROLLER



Description:

The under roller assembly consists of four wheels mounted on carriages which rest on four sets of bed beams that bolt to the ends of the reel cradle. Two of the carriages are fixed and the wheels on these carriages are driven by direct coupled hydraulic motors.

The other two undriven wheels are mounted on sliding carriages which can be squeezed against the reel rim using four hydraulic jacks (two per carriage) to lift the reel clear of the cradle. One fixed and one sliding carriage are bolted to the end of each cradle. Four wheel drive versions are also available.

Typically the product is loaded onto the reel from the driven motor side onto the bottom of the core drum. Loading in either direction is possible. Powered wheels are bi-directional as well as hydraulically and mechanically braked in both directions. The bed beams are spaced apart by spacer beams fitted between each pair of beds.

Specification:

Maximum reel weight including product	350 Te
Reel width between flanges (Other sizes can be accommodated with modified spacer beams)	5 m
Flange width	200-220 mm
Maximum rim speed with 100 l/min power pack	18 m/min
Drive force at rim per powered roller	2.5 Te
Wheel rolling diameter	400 mm
Normal hydraulic pressure required	Max 210 bar
Carriage and bed beam weight	Fixed drive ends 2450 kg Moveable ends 2800 kg
Hydraulic motors	SAI dual counter balance braking
Gear Box units	7:1 with parking brake
Jacks (4 off)	Maximum pressure 210 bar Stroke 240 mm