Product Details IBC

- wheel damage
- piling

IBC
Intelligent Brake Control

Drive System
► electronic control system with variable parameter pre-setting
► for load-independent braking cycle

► using an external reference signal, typically the wheel or pulley rpm monitored by tachometer, and a pre-set parameter, e.g. time or rpm, the frequency inverter calculates a linear or non-linear time function

► the integrated controller performs a continuous comparison of calculated curve with the measured values

► based on the guiding signal generated by the controller, the frequency inverter manipulates the frequency of thrust motor resp. the amperage of the proportional valve on HPU and thus controls the braking
Product Details IBC

1 ph AC
3 ph AC
DC

0….10….24 V DC
4 …. 20 mA

SIBRE
Sure to be Safe

Siegenland Bremsen
Product Details IBC

1-ph AC
3-ph AC
DC

sure to be safe
Test Results USB3-III-710x30-301/6, set at 8200 Nm and 45 sec stopping time

disc speed rpm
thrustor stroke mm
torque Nm
Product Details IBC

► suitable for thruster operated SIBRE drum brakes and disc brakes
► suitable for
  ► ABS (Anti Blockage System) for gantry and trolley travel
  ► slewing drives
  ► downhill conveyors,
► mounted in terminal box, completely pre-wired and pre-set
► easy installation, also for retro-fitting and upgrading
► almost linear deceleration
► smooth braking without considerable peaks
► low residual vibration at initial contact of brake linings
► deviation from pre-set stopping time < 5%
► similar deceleration curve under various load conditions

► Optionally available with UPS battery back up for single e-stop under power failure condition