

# BY TELESCOPIC SPREADER

| BTS - 40 / 45 SERIES |



 **BY**  
CONTROLS, INC.



ISO-9001 REGISTERED FIRM  
Det Norske Veritas BV, NETHERLANDS



### Telescopic system

Hydraulic motor driven roller chain  
Shock absorbing spring mechanism  
Hydraulic containing position lock  
Safety relief valve  
High strength chain  
Stainless steel cable tray  
Travel stop with proximity sensor

### Practical box design

High strength steel

### Hydraulic system

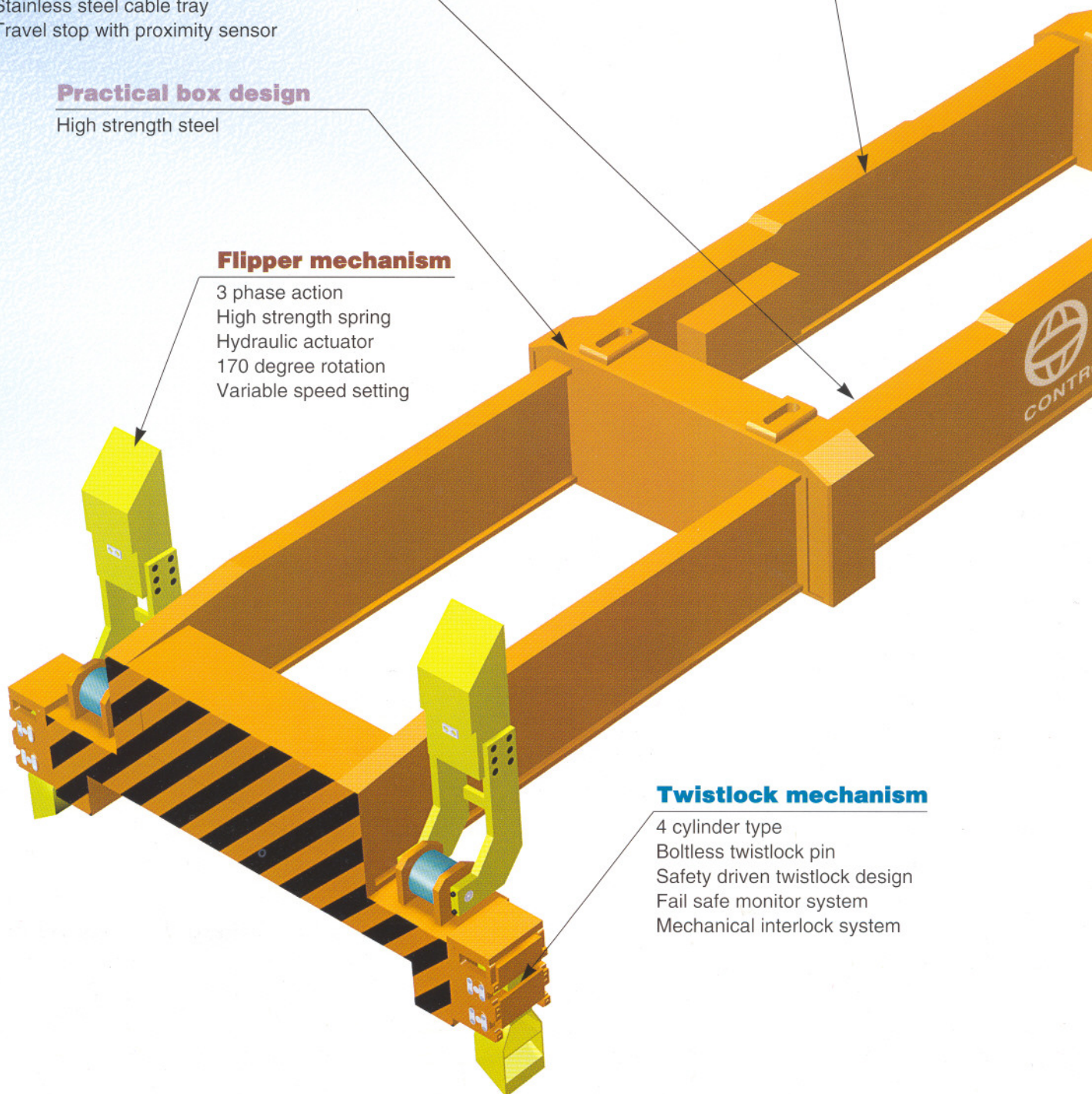
Modular components  
High pressure and volume pump  
Piston type hydraulic motor  
High pressure filter  
Contamination control magnet  
High pressure hydraulic hose  
UNF O-ring fitting

### Flipper mechanism

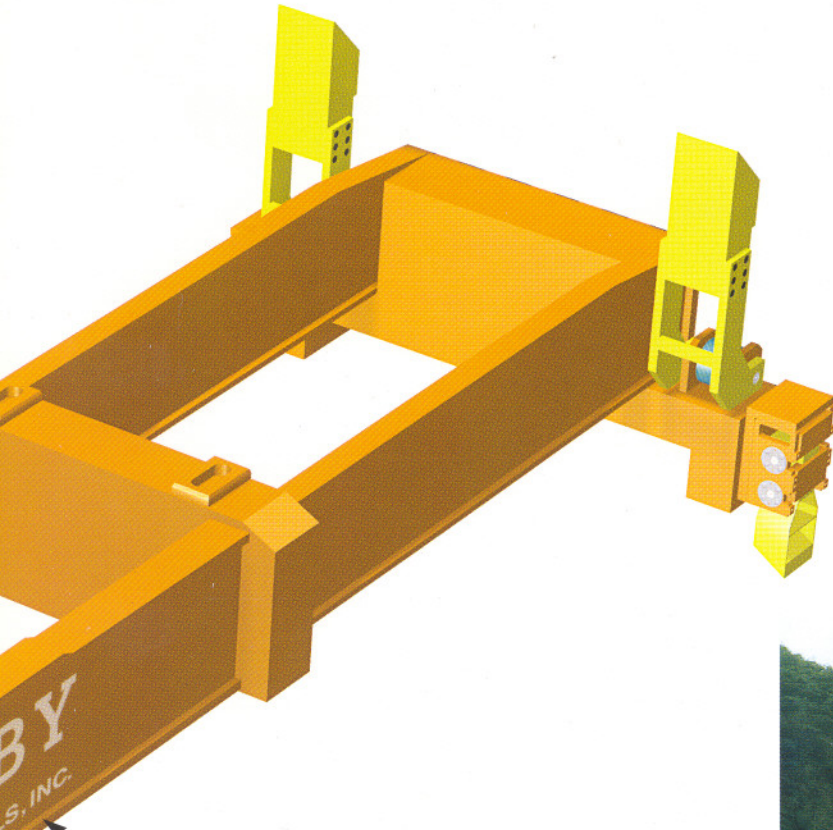
3 phase action  
High strength spring  
Hydraulic actuator  
170 degree rotation  
Variable speed setting

### Twistlock mechanism

4 cylinder type  
Boltless twistlock pin  
Safety driven twistlock design  
Fail safe monitor system  
Mechanical interlock system







### Telescopic pad

High precision polyurethane pad  
Simplified assembly



# BUYOUNG

manufactures most efficient and economical TELESCOPIC SPREADERS. The simple and practical design provides maximum operational safety.

The SPREADERS are manufactured only with the high quality steel, that can maintain its high degrees of rigidity. The SPREADERS maintain the structural integrity within the tight specific engineering design envelope, even after many years of service.

Telescopic Beams are equipped with self-lubricating Sliding Pads, that adjust to the load of containers handled for smooth and continuous operation.

Twistlock mechanism is tested to the highest degree of safety margins and testing standards for fail-safe operation. Each Twistlock mechanism has dual redundant sensors to detect any malfunctions. In any positive fault indication, the system automatically halts operation for operational safety.

Hydraulic Quad - Flippers assist in container alignment for proper Twistlock engagement.

All electrical equipments and hydraulic assembly units are physically protected by the main structure beam. which protect all the critical components from physical damages.

Modular system design allows easy access for maintenance and unit replacement.



**MODEL****B T S - 4 0 S - A**

Container size handled	20 and 40 feet
Head block connection	Separable
Telescopic mechanism	Roller chain and hydraulic motor
Twistlock	4 or 2 cylinder type
Flipper	3 phase, 170 degree rotation
Weight	8.5 ton

**B T S - 4 0 S - B**

Container size handled	20 and 40 feet
Head block connection	Connected
Telescopic mechanism	Roller chain and hydraulic motor
Twistlock	4 or 2 cylinder type
Flipper	3 phase, 170 degree rotation
Weight	8.5 ton

**B T S - 4 5 S - A**

Container size handled	20, 40, 45 feet x 8, 8.5 feet
Head block connection	Separable
Telescopic mechanism	Roller chain and hydraulic motor
Twistlock	4 or 2 cylinder type
Flipper	3 phase, 170 degree rotation
Weight	8.5 ton

**B T S - 4 5 S - B**

Container size handled	20, 40, 45 feet x 8, 8.5 feet
Head block connection	Connected
Telescopic mechanism	Roller chain and hydraulic motor
Twistlock	4 or 2 cylinder type
Flipper	3 phase, 170 degree rotation
Weight	8.5 ton