



CSS380 / CSS400 / CSS420 - Shuttle Systems

CSS

CALDAN SHUTTLE SYSTEMS

The CALDAN shuttle systems are based on standard components of the proven CALDAN conveyor technology. The systems are designed for cross- and lengthwise transportation of various items.

Our Shuttle systems are mainly used in partially automated surface treatment areas or in assembly areas. Due to their ability to perform very space saving transportation, the systems are primarily used to handle heavy or bulky goods. However, the shuttles also handle lighter goods with ease. Here the systems are often manual or partially automated versions.

In order to meet customer requirements, we have implemented three versions in our product range, similar to our well-known Power and Free overhead conveyor range. This way all transport tasks from 220 - 22.000 Lbs (100 - 10.000 kg) can be solved:

- **CSS380** - for weights up to 1.100 Lbs (500 kg)
- **CSS400** - for weights up to 4.400 Lbs (2.000 kg)
- **CSS420** - for weights up to 22.000 Lbs (10.000 kg)

Further advantages:

- possibility of performing directional changes
- can be used as very cost effective static buffers
- space-saving for long bulky goods

Special equipment such as turning devices or lifting and lowering stations are also available. Furthermore CALDAN can supply this handling solutions on a turn-key basis, including steel construction, control systems etc.





TECHNICAL SPECIFICATIONS

CSS380

Maximum load per wagon
(load bar with 2 / 4 trolleys):

1.100 Lbs (500 kg)

Maximum length, load bar: 33 ft

Maximum surrounding temperature, wagon: 482 °F

Maximum surrounding temperature, shuttle: 122 °F

Shuttle transport speed:

up to 82 ft / min.

Maximum load, lift station: 1.100 Lbs (500 kg)

Maximum speed, lift station:

39 ft / min.

Type of drive:

Transfer or friction wheel

CSS400

Maximum load per wagon

(load bar with 2 / 4 / 8 trolleys):

4.400 Lbs (2.000 kg)

Maximum length, load bar: 16 m

Maximum surrounding temperature, wagon: 482 °F

Maximum surrounding temperature, shuttle: 122 °F

Shuttle transport speed:

up to up to 82 ft / min.

Maximum load, lift station: 4.400 Lbs (2.000 kg)

Maximum speed, lift station:

39 ft / min.

Type of drive:

Transfer or friction wheel

CSS420

Maximum load per wagon

(load bar with 2 / 4 / 8 / 16 trolleys):

22.000 Lbs (10.000 kg)

Maximum length, load bar: 20 m

Maximum surrounding temperature, wagon: 482 °F

Maximum surrounding temperature, shuttle: 122 °F

Shuttle transport speed:

up to 82 ft / min.

Maximum load, lift station: 22.000 Lbs (10.000 kg)

Maximum speed, lift station:

139 ft / min.

Type of drive:

Transfer or friction wheel

