

## Overview



Roller test chains are used for belt scale calibration when material tests are not practical. All test chains are bushed. Minimum length is 4 feet (1.2 m).

## Benefits

- Heavy-duty design for rugged applications and long life
- Precision machined components for accurate calibration
- Bushed rollers to ensure rotation during calibration
- Alternative to material tests when they are not possible

## Application

Milltronics calibration test chains provide simulated material flow on a conveyor belt for use with belt scale calibration. Designed for use in environments where material tests cannot be performed, test chains come in a variety of capacity options for use in any application. They ensure constant and uniform belt loading similar to material being conveyed, and can be stored on a storage reel for quick and easy application. The use of a calibration test chain ensures that production totals are guaranteed.

## Technical specifications

<b>Test chain</b>	
<b>Mode of operation</b>	
Principle of operation	Rides on carrying side of belt to simulate material loading
<b>Medium conditions</b>	
Max. ambient temperature	65 °C (150 °F)
<b>Design</b>	
Belt loading to meet any application	5 lb/ft (7.4 kg/m) ... 100 lb/ft (148.8 kg/m)
<b>Length</b>	Made to suit conveyor design
<b>Idler</b>	Flat to 45° troughed idlers
<b>Max belt speed</b>	5 m/s 1 000 fpm
<b>Mounting</b>	Connected to conveyor at start and end of chain at both sides for uniform loading. Storage and application with test chain storage reel.
<b>Approvals</b>	CE, RCM, EAC, KCC

## Belt Weighing Accessories

### Test chain

#### Selection and ordering data

##### Test chain

Roller test chains are used for belt scale calibration when material tests are not practical.

↗ Click on the Article No. for the online configuration in the PIA Life Cycle Portal.

##### 5 lb/ft (7.4 kg/m), 6 inch pitch

4 ... 7 ft (1.2 ... 2.1 m)  
8 ... 11 ft (2.4 ... 3.4 m)  
12 ... 15 ft (3.7 ... 4.6 m)  
16 ... 19 ft (4.9 ... 5.8 m)  
20 ... 23 ft (6.1 ... 7.0 m)  
24 ... 27 ft (7.3 ... 8.2 m)  
28 ... 31 ft (8.5 ... 9.4 m)  
32 ... 35 ft (9.8 ... 10.7 m)

##### 7.5 lb/ft (11.2 kg/m), 6 inch pitch

4 ... 7 ft (1.2 ... 2.1 m)  
8 ... 11 ft (2.4 ... 3.4 m)  
12 ... 15 ft (3.7 ... 4.6 m)  
16 ... 19 ft (4.9 ... 5.8 m)  
20 ... 23 ft (6.1 ... 7.0 m)  
24 ... 27 ft (7.3 ... 8.2 m)  
28 ... 31 ft (8.5 ... 9.4 m)  
32 ... 35 ft (9.8 ... 10.7 m)

##### 10 lb/ft (14.9 kg/m), 4 inch pitch

4 ... 7 ft (1.2 ... 2.1 m)  
8 ... 11 ft (2.4 ... 3.4 m)  
12 ... 15 ft (3.7 ... 4.6 m)  
16 ... 19 ft (4.9 ... 5.8 m)  
20 ... 23 ft (6.1 ... 7.0 m)  
24 ... 27 ft (7.3 ... 8.2 m)  
28 ... 31 ft (8.5 ... 9.4 m)  
32 ... 35 ft (9.8 ... 10.7 m)

##### 15 lb/ft (22.3 kg/m), 4 inch pitch

4 ... 7 ft (1.2 ... 2.1 m)  
8 ... 11 ft (2.4 ... 3.4 m)  
12 ... 15 ft (3.7 ... 4.6 m)  
16 ... 19 ft (4.9 ... 5.8 m)  
20 ... 23 ft (6.1 ... 7.0 m)  
24 ... 27 ft (7.3 ... 8.2 m)  
28 ... 31 ft (8.5 ... 9.4 m)  
32 ... 35 ft (9.8 ... 10.7 m)

##### 20 lb/ft (29.8 kg/m), 4 inch pitch

4 ... 7 ft (1.2 ... 2.1 m)  
8 ... 11 ft (2.4 ... 3.4 m)  
12 ... 15 ft (3.7 ... 4.6 m)  
16 ... 19 ft (4.9 ... 5.8 m)  
20 ... 23 ft (6.1 ... 7.0 m)  
24 ... 27 ft (7.3 ... 8.2 m)  
28 ... 31 ft (8.5 ... 9.4 m)  
32 ... 35 ft (9.8 ... 10.7 m)

#### Article No.

↗ **7MH7161-**

**0 0 0**

**AA 1**  
**AA 2**  
**AA 3**  
**AA 4**  
**AA 5**  
**AA 6**  
**AA 7**  
**AA 8**

**BB 1**  
**BB 2**  
**BB 3**  
**BB 4**  
**BB 5**  
**BB 6**  
**BB 7**  
**BB 8**

**CC 1**  
**CC 2**  
**CC 3**  
**CC 4**  
**CC 5**  
**CC 6**  
**CC 7**  
**CC 8**

**DD 1**  
**DD 2**  
**DD 3**  
**DD 4**  
**DD 5**  
**DD 6**  
**DD 7**  
**DD 8**

**EE 1**  
**EE 2**  
**EE 3**  
**EE 4**  
**EE 5**  
**EE 6**  
**EE 7**  
**EE 8**

##### Test chain

Roller test chains are used for belt scale calibration when material tests are not practical.

##### 25 lb/ft (37.2 kg/m), 4 inch pitch

4 ... 7 ft (1.2 ... 2.1 m)  
8 ... 11 ft (2.4 ... 3.4 m)  
12 ... 15 ft (3.7 ... 4.6 m)  
16 ... 19 ft (4.9 ... 5.8 m)  
20 ... 23 ft (6.1 ... 7.0 m)  
24 ... 27 ft (7.3 ... 8.2 m)  
28 ... 31 ft (8.5 ... 9.4 m)  
32 ... 35 ft (9.8 ... 10.7 m)

##### 30 lb/ft (44.6 kg/m), 4 inch pitch

4 ... 7 ft (1.2 ... 2.1 m)  
8 ... 11 ft (2.4 ... 3.4 m)  
12 ... 15 ft (3.7 ... 4.6 m)  
16 ... 19 ft (4.9 ... 5.8 m)  
20 ... 23 ft (6.1 ... 7.0 m)  
24 ... 27 ft (7.3 ... 8.2 m)  
28 ... 31 ft (8.5 ... 9.4 m)  
32 ... 35 ft (9.8 ... 10.7 m)

##### 35 lb/ft (52.1 kg/m), 4 inch pitch

4 ... 7 ft (1.2 ... 2.1 m)  
8 ... 11 ft (2.4 ... 3.4 m)  
12 ... 15 ft (3.7 ... 4.6 m)  
16 ... 19 ft (4.8 ... 5.8 m)  
20 ... 23 ft (6.1 ... 7.0 m)  
24 ... 27 ft (7.3 ... 8.2 m)  
28 ... 31 ft (8.5 ... 9.4 m)  
32 ... 35 ft (9.8 ... 10.7 m)

##### 40 lb/ft (59.5 kg/m), 4 inch pitch

4 ... 7 ft (1.2 ... 2.1 m)  
8 ... 11 ft (2.4 ... 3.4 m)  
12 ... 15 ft (3.7 ... 4.6 m)  
16 ... 19 ft (4.9 ... 5.8 m)  
20 ... 23 ft (6.1 ... 7.0 m)  
24 ... 27 ft (7.3 ... 8.2 m)  
28 ... 31 ft (8.5 ... 9.4 m)  
32 ... 35 ft (9.8 ... 10.7 m)

##### 45 lb/ft (67.0 kg/m), 4 inch pitch

4 ... 7 ft (1.2 ... 2.1 m)  
8 ... 11 ft (2.4 ... 3.4 m)  
12 ... 15 ft (3.7 ... 4.6 m)  
16 ... 19 ft (4.9 ... 5.8 m)  
20 ... 23 ft (6.1 ... 7.0 m)  
24 ... 27 ft (7.3 ... 8.2 m)  
28 ... 31 ft (8.5 ... 9.4 m)  
32 ... 35 ft (9.8 ... 10.7 m)

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**0 0 0**

**FF 1**  
**FF 2**  
**FF 3**  
**FF 4**  
**FF 5**  
**FF 6**  
**FF 7**  
**FF 8**

**GG 1**  
**GG 2**  
**GG 3**  
**GG 4**  
**GG 5**  
**GG 6**  
**GG 7**  
**GG 8**

**HH 1**  
**HH 2**  
**HH 3**  
**HH 4**  
**HH 5**  
**HH 6**  
**HH 7**  
**HH 8**

**JJ 1**  
**JJ 2**  
**JJ 3**  
**JJ 4**  
**JJ 5**  
**JJ 6**  
**JJ 7**  
**JJ 8**

**KK 1**  
**KK 2**  
**KK 3**  
**KK 4**  
**KK 5**  
**KK 6**  
**KK 7**  
**KK 8**

## Selection and ordering data

## Article No.

## Test chain

Roller test chains are used for belt scale calibration when material tests are not practical.

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50 lb/ft (74.4 kg/m), 4 inch pitch

4 ... 7 ft (1.2 ... 2.1 m)  
8 ... 11 ft (2.4 ... 3.4 m)  
12 ... 15 ft (3.7 ... 4.6 m)  
16 ... 19 ft (4.9 ... 5.8 m)  
20 ... 23 ft (6.1 ... 7.0 m)  
24 ... 27 ft (7.3 ... 8.2 m)  
28 ... 31 ft (8.5 ... 9.4 m)  
32 ... 35 ft (9.8 ... 10.7 m)

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0 0 0

L L 1

L L 2

L L 3

L L 4

L L 5

L L 6

L L 7

L L 8

60 lb/ft (89.3 kg/m), 6 inch pitch

4 ... 7 ft (1.2 ... 2.1 m)  
8 ... 11 ft (2.4 ... 3.4 m)  
12 ... 15 ft (3.7 ... 4.6 m)  
16 ... 19 ft (4.9 ... 5.8 m)  
20 ... 23 ft (6.1 ... 7.0 m)  
24 ... 27 ft (7.3 ... 8.2 m)  
28 ... 31 ft (8.5 ... 9.4 m)  
32 ... 35 ft (9.8 ... 10.7 m)

N N 1

N N 2

N N 3

N N 4

N N 5

N N 6

N N 7

N N 8

70 lb/ft (104.2 kg/m), 6 inch pitch

4 ... 7 ft (1.2 ... 2.1 m)  
8 ... 11 ft (2.4 ... 3.4 m)  
12 ... 15 ft (3.7 ... 4.6 m)  
16 ... 19 ft (4.9 ... 5.8 m)  
20 ... 23 ft (6.1 ... 7.0 m)  
24 ... 27 ft (7.3 ... 8.2 m)  
28 ... 31 ft (8.5 ... 9.4 m)  
32 ... 35 ft (9.8 ... 10.7 m)

P P 1

P P 2

P P 3

P P 4

P P 5

P P 6

P P 7

P P 8

80 lb/ft (119.1 kg/m), 6 inch pitch

4 ... 7 ft (1.2 ... 2.1 m)  
8 ... 11 ft (2.4 ... 3.4 m)  
12 ... 15 ft (3.7 ... 4.6 m)  
16 ... 19 ft (4.9 ... 5.8 m)  
20 ... 23 ft (6.1 ... 7.0 m)  
24 ... 27 ft (7.3 ... 8.2 m)  
28 ... 31 ft (8.5 ... 9.4 m)  
32 ... 35 ft (9.8 ... 10.7 m)

Q Q 1

Q Q 2

Q Q 3

Q Q 4

Q Q 5

Q Q 6

Q Q 7

Q Q 8

90 lb/ft (133.9 kg/m), 6 inch pitch

4 ... 7 ft (1.2 ... 2.1 m)  
8 ... 11 ft (2.4 ... 3.4 m)  
12 ... 15 ft (3.7 ... 4.6 m)  
16 ... 19 ft (4.9 ... 5.8 m)  
20 ... 23 ft (6.1 ... 7.0 m)  
24 ... 27 ft (7.3 ... 8.2 m)  
28 ... 31 ft (8.5 ... 9.4 m)  
32 ... 35 ft (9.8 ... 10.7 m)

R R 1

R R 2

R R 3

R R 4

R R 5

R R 6

R R 7

R R 8

## Test chain

Roller test chains are used for belt scale calibration when material tests are not practical.

100 lb/ft (148.8 kg/m), 6 inch pitch

4 ... 7 ft (1.2 ... 2.1 m)  
8 ... 11 ft (2.4 ... 3.4 m)  
12 ... 15 ft (3.7 ... 4.6 m)  
16 ... 19 ft (4.9 ... 5.8 m)  
20 ... 23 ft (6.1 ... 7.0 m)  
24 ... 27 ft (7.3 ... 8.2 m)  
28 ... 31 ft (8.5 ... 9.4 m)  
32 ... 35 ft (9.8 ... 10.7 m)

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0 0 0

S S 1

S S 2

S S 3

S S 4

S S 5

S S 6

S S 7

S S 8

Further models

Please add "-Z" to article no. and specify order codes(s)

Order Code

Total length

Enter the total length in plain text description:  
Y01: Total length ... mm (must be equivalent to whole feet, e.g. 1 ft = 304.8 mm)

Y01

Operating instructions

All literature is available to download for free, in a range of languages, at  
<https://www.siemens.com/weighing/documentation>

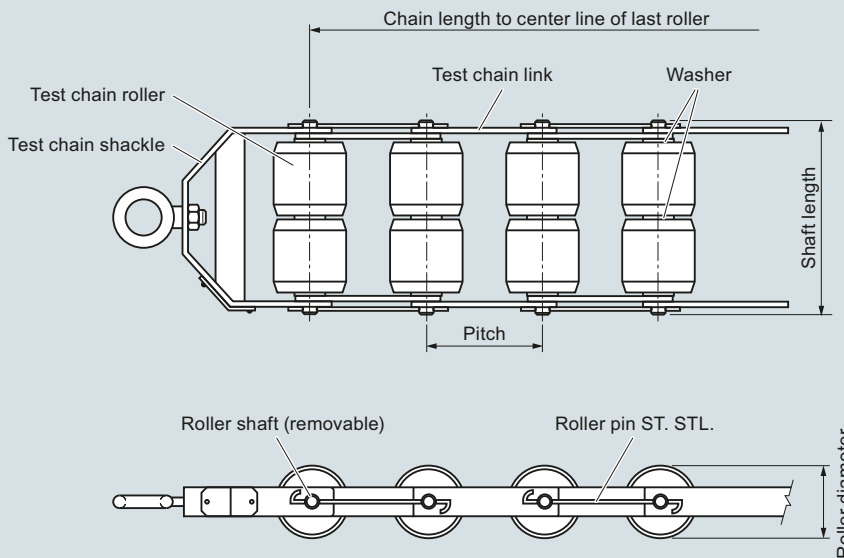
# Belt Weighing

## Accessories

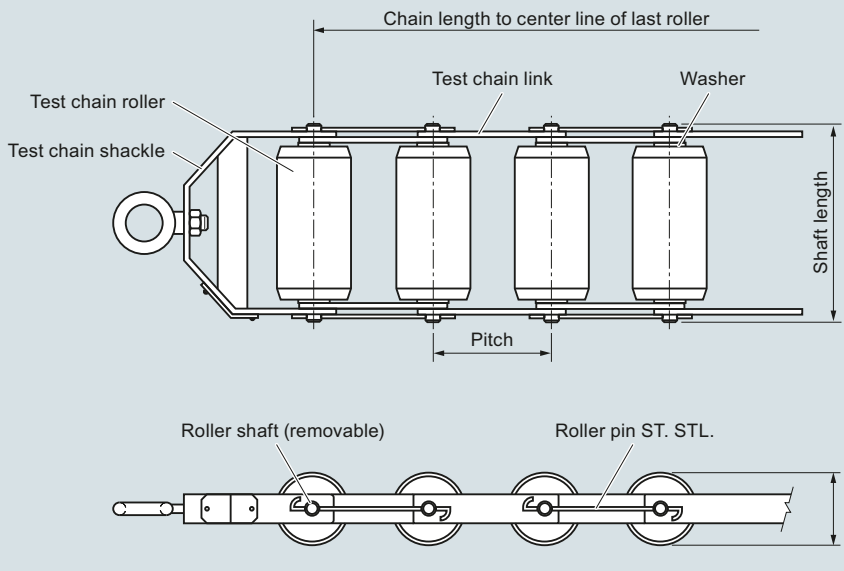
### Test chain

#### Dimensional drawings

##### Double roller



##### Single roller



Milltronics test chain dimensions