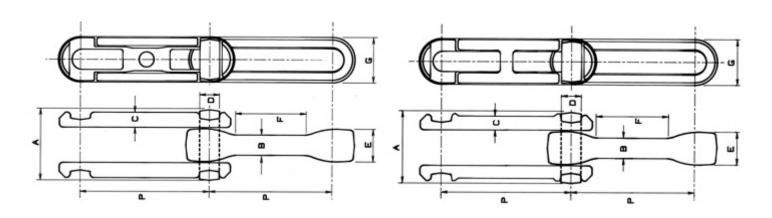
For Overhead Conveyors & Power & Free Systems





#### X-Type

#### **Regular Type**

Chain	Dimensions [mm]							
	Р	A	В	С	D	E	F	G
X348	76.6	44.0	13.0	10.4	12.7	18.8	41	28
X458	102.4	57.0	16.0	12.0	15.8	25.0	58	36
4" Pitch	101.6	57.0	16.0	12.0	15.8	25.0	58	36
CC100	100.8	57.0	16.0	12.0	15.8	25.0	58	36
468	102.4	81.0	29.0	16.0	19.1	40.9	40	48
X685	153.2	57.0	16.0	12.0	15.8	25.0	58	36
X678	153.2	77.0	20.6	18.0	22.2	32.5	87	51
698	153.2	98.0	25.4	22.2	28.4	39.1	60	64
160	160.0	77.0	20.6	18.0	22.2	32.5	87	51
998	229.4	98.0	25.4	22.2	28.4	39.1	135	64

### **Quality Control**

Quality Control procedures include the following:

- Raw material analysis is received with steel suppliers certificate
- Regular dimensional checks take place
- Pitch tolerance is checked every 1000 meters
- Hardness checks are carried out on 1 part in 1000 components
- Samples of each batch are crack detected

If the customer requests it, 100% magnaflux crack detection can be carried out.



**Technical Properties** 

### **Pitch tolerance**

The pitch tolerance is normally measured over 3,28 m.

Chain	Min U.T.S.	Measuring load	Chain weight	N° of pitches	Dimensions	
	[kN]	[kN]	[kg/m]		MAX [mm]	MIN [mm]
X348	110	0.45	3.3	40	3095.2	3050.5
X458	220	0.90	4.8	30	3096.5	3062.2
4" Pitch	220	0.90	4.8	30	3072.5	3038.2
CC100	220	0.90	4.8	30	3037.5	3012.0
468	320	1.35	11.2	30	3096.5	3062.2
X685	220	0.90	3.9	20	3082.8	3054.9
X678	380	1.35	10.0	20	3082.8	3054.9
698	605	1.35	17.0	20	3227.9	3172.1
160	380	1.35	10.0	20	3082.8	3054.9
998	605	1.35	13.4	13	3001.2	2973.3

#### Materials

The chain is manufactured from high carbon steels the two most popular being SAE1552 and SAE4140 with the compositions as shown in table

	SAE1552	SAE4140
Carbon	0.47 - 0.55 %	0.36-0.44 %
Manganese	1.20-1.50 %	0.70-1.00 %
Phosphorus	0.04 % max	0.04 % max
Sulphur	0.05 % max	0.05 % max
Chromium	0	0.90-1.20 %

### **Finishes**

Chain can be supplied in a variety of conditions including:

- Zinc plated and de-embrittled. Plating thickness 10-13 µm.
- Hot dipped galvanized to a thickness of 60-80 μm
- Pins can be supplied coated with oil. The most popular greases are Structovid BHD and Optifluid 100W



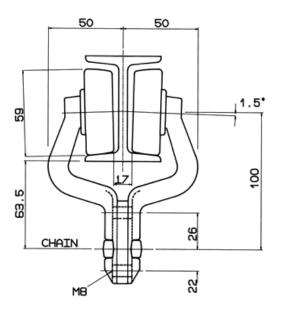


Trolleys

### Trolleys for drop forged chain

Trolleys can be supplied to meet most design requirements. There are two main types;

- Ribbon cage wheels: semi-precision bearings, recommended for clean environments, operating in temperatures between -20°C and 150°C.
- Full ball complement: semi-precision bearings, recommended for wash plant and oven applications, maximum operating temperature 250°C subject to grease used.





### 348 TROLLEY — 63.5mm DROP

Standard trolley has a riveted 59mm diameter wheel.

It can be supplied with caged or full ball wheels, with or without triple labyrinth seals and dust cover.

Weight of two wheel trolley Maximum payload of two wheel trolley Torque for locknut M8

1.1kg 100kg 20-30Nm.



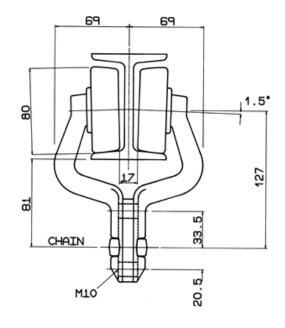
Trolleys

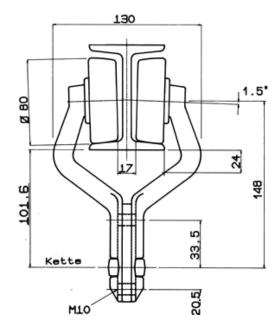
### 458 TROLLEY - 81 mm DROP

Standard trolley has riveted 80mm diameter wheel.

It can be supplied with caged or full ball wheels, with or without triple labyrinth seals and dust cover. Alternatively a plastic wheel can be fitted.

Weight of two wheel trolley Maximum payload of two wheel trolley Torque for locknut M10 2.5kg 200kg 40-50Nm





#### 458 TROLLEY – 4" DROP

Standard trolley has riveted 80mm diameter wheel.

It can be supplied with caged or full ball wheels, with or without triple labyrinth seals and dust cover. Alternatively a plastic wheel can be fitted.

Weight of two wheel trolley Maximum payload of two wheel trolley Torque for locknut M10 2.6kg 200kg 40-50Nm



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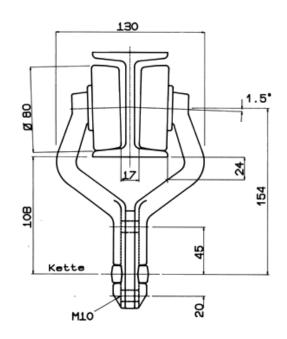
Trolleys

### 458 TROLLEY - 108 mm DROP

Standard trolley has riveted 80mm diameter wheel.

It can be supplied with caged or full ball wheels, with or without triple labyrinth seals and dust cover. Alternatively a plastic wheel can be fitted.

Weight of two wheel trolley	2.6kg
Maximum payload of two wheel trolley	200kg
Torque for locknut M10	40-50Nm.



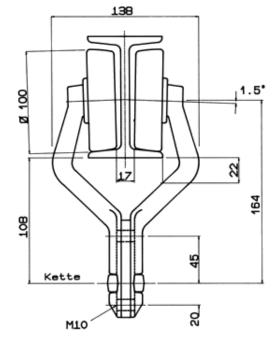
#### 458 TROLLEY – 108mm DROP

Standard trolley has riveted 100mm diameter wheel.

It can be supplied with caged or full ball wheels, with or without triple labyrinth seals and dust cover. Alternatively a plastic wheel can be fitted.

Weight of two wheel trolley Maximum payload of two wheel trolley Torque for locknut M10

3.3kg 360ka 40-50Nm





Trolleys

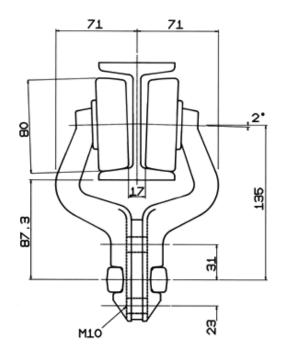
#### 678 TROLLEY (4"over 6") 87.3mm DROP

Standard trolley has riveted 80mm diameter wheel.

It can be supplied with caged or full ball wheels, with or without triple labyrinth seals and dust cover. Alternatively a plastic wheel can be fitted.

175

Weight of two wheel trolley Maximum payload of two wheel trolley Torque for locknut M10 3.2kg 200kg 40-50Nm



### 678 TR Standard tr diameter wi It can be sup wheels, with and dust co can be fitted Weight of two Maximum pay

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### 678 TROLLEY 101.6mm DROP

Standard trolley has riveted 125,4mm diameter wheel.

It can be supplied with caged or full ball wheels, with or without triple labyrinth seals and dust cover. Alternatively a plastic wheel can be fitted.

Weight of two wheel trolley7.7Maximum payload of two wheel trolley55Torque for locknut M1040

7.7kg 550kg 40-50N





M12

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