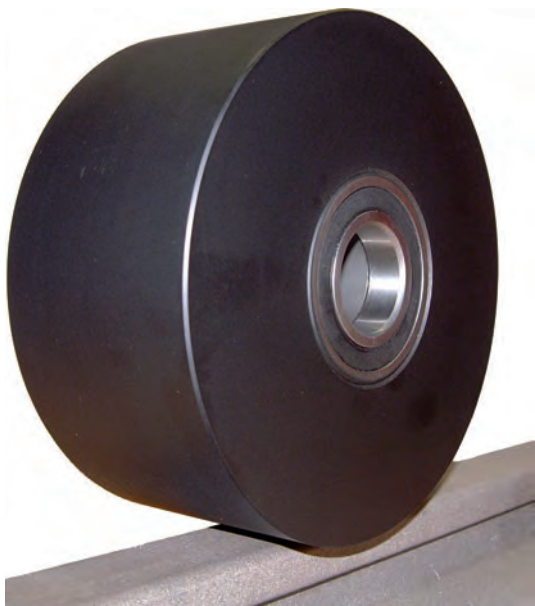


# Cast Iron Flat Tread Rail Wheels



While unflanged wheels can be used to run on surfaces such as concrete or steel plate, their most common application is paired with a double flanged wheel.

Cast iron rail wheels are the most economic for light to medium duty, but they have a limited service life when compared to steel wheels, and are unsuitable for high rotational speeds or where substantial shock loads are to be withstood.

**MATERIAL:** Cast iron to BS1452: 1977: Grade 200.

**OPERATING TEMPERATURE RANGE:**

- Plain bored or keywayed wheels – 30°C to 250°C
- Ball or taper roller bearinged wheels – 30°C to 120°C

The 'maximum load rating' given for each wheel is based on the full tread width being in contact with the rail. Working loads must be calculated based on the useable rail width and operating conditions – see 'Design Data' paras. 6.1. and 6.3.

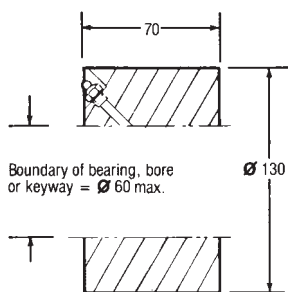
Alternative bore/bearing diameters and alternative bearing types (i.e. bronze bushes, self-lubricating bushes, roller bearings, spherical roller bearings, etc.) are available to order – see page 26-27.

For technical information covering load factors, inertial and rolling resistance, coefficients of friction between wheel and track, and keyway dimensions, see "Design Data" Index on page 20.

CAST IRON FLAT TREAD RAIL

**WHEEL TYPE:**  
**CFT130/70**  
See table for full part number

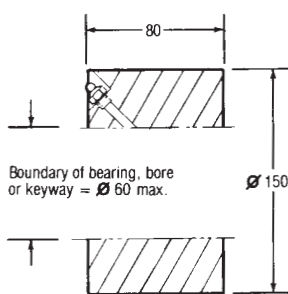
**Maximum load rating:**  
**1200Kg**  
See pages 23-26 for load factors  
**Approximate weight: 7Kg**



Wheels fitted with 35mm ball journals are pre-lubricated, double shielded

**WHEEL TYPE:**  
**CFT150/80**  
See table for full part number

**Maximum load rating:**  
**1500Kg**  
See pages 23-26 for load factors  
**Approximate weight: 10Kg**



**FULL PART NUMBER FOR ORDERING**

Axle Ø	Plain Bore	Plain Bore Keywayed	Ball Bearing	Taper Roller Bearing
<b>METRIC AXLE Ø</b>				
25	CFT130/70/PBM 25	CFT130/70/KM 25	CFT130/70/BJM 25	
30	CFT130/70/PBM 30	CFT130/70/KM 30	CFT130/70/BJM 30	
35	CFT130/70/PBM 35	CFT130/70/KM 35	CFT130/70/BJM 35	

LOAD LIMITED BY BEARINGS TO: (1) 1140Kg

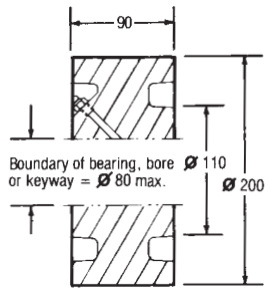
<b>METRIC AXLE Ø</b>				
30	CFT150/80/PBM 30	CFT150/80/KM 30	CFT150/80/BJM 30	
35	CFT150/80/PBM 35	CFT150/80/KM 35	CFT150/80/BJM 35	
40	CFT150/80/PBM 40	CFT150/80/KM 40	CFT150/80/BJM 40	

# Cast Iron Flat Tread Rail Wheels



**WHEEL TYPE:**  
**CFT200/90**  
See table for full part number

**Maximum load rating:**  
**2300Kg**  
See pages 23-26 for load factors  
**Approximate weight: 14Kg**



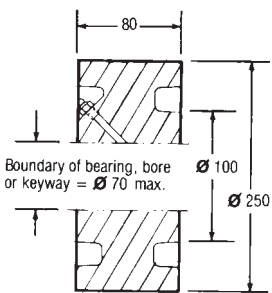
**FULL PART NUMBER FOR ORDERING**

Axle Ø	Plain Bore	Plain Bore Keywayed	Ball Bearing	Taper Roller Bearing
<b>METRIC AXLE Ø</b>				
30	CFT200/90/PBM 30	CFT200/90/KM 30	CFT200/90/BJM 30	
35	CFT200/90/PBM 35	CFT200/90/KM 35	CFT200/90/BJM 35	
40	CFT200/90/PBM 40	CFT200/90/KM 40	CFT200/90/BJM 40	

LOAD LIMITED BY BEARINGS TO: (1) 2040Kg

**WHEEL TYPE:**  
**CFT250/80**  
See table for full part number

**Maximum load rating:**  
**2600Kg**  
See pages 23-26 for load factors  
**Approximate weight: 18Kg**

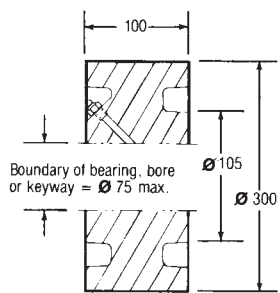


**METRIC AXLE Ø**

35	CFT250/80/PBM 35	CFT250/80/KM 35	CFT250/80/BJM 35	
40	CFT250/80/PBM 40	CFT250/80/KM 40	CFT250/80/BJM 40	

**WHEEL TYPE:**  
**CFT300/100**  
See table for full part number

**Maximum load rating:**  
**4000Kg**  
See pages 23-26 for load factors  
**Approximate weight: 27Kg**



**METRIC AXLE Ø**

40	CFT300/100/PBM 40	CFT300/100/KM 40	CFT300/100/BJM 40	
50	CFT300/100/PBM 50	CFT300/100/KM 50		

LOAD LIMITED BY BEARINGS TO: (1) 3384Kg

**CAST IRON FLAT TREAD RAIL**