

# Cast Iron Double Flanged Rail Wheels



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.

Flanged wheels can be used for guidance paired with an unflanged rail wheel to allow a wide tolerance in the pitch of the rails.

**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 pages 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.**

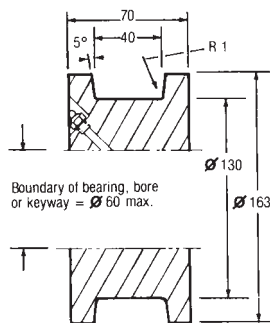
## WHEEL TYPE: CDF130/40

See table for full part number

**Maximum load rating:**  
**650Kg**

See pages 23-26 for load factors

**Approximate weight: 8Kg**



## FULL PART NUMBER FOR ORDERING

Axle Ø	Plain Bore	Plain Bore Keywayed	Ball Bearing	Taper Roller Bearing
<b>METRIC AXLE Ø</b>				
25	CDF130/40/PBM 25	CDF130/40/KM 25	CDF130/40/BJM 25	
30	CDF130/40/PBM 30	CDF130/40/KM 30	CDF130/40/BJM 30	
35	CDF130/40/PBM 35	CDF130/40/KM 35	CDF130/40/BJM 35	

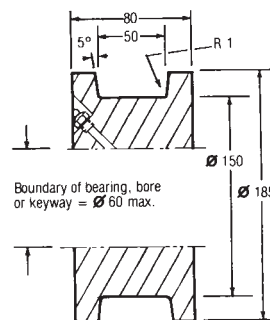
## WHEEL TYPE: CDF150/50

See table for full part number

**Maximum load rating:**  
**1000Kg**

See pages 23-26 for load factors

**Approximate weight: 12Kg**



<b>METRIC AXLE Ø</b>				
30	CDF150/50/PBM 30	CDF150/50/KM 30	CDF150/50/BJM 30	
35	CDF150/50/PBM 35	CDF150/50/KM 35	CDF150/50/BJM 35	
40	CDF150/50/PBM 40	CDF150/50/KM 40		

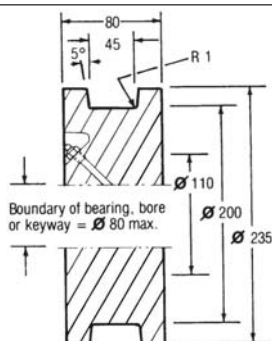
CAST IRON DOUBLED FLANGED RAIL

# Cast Iron Double Flanged Rail Wheel

CAST IRON DOUBLED FLANGED RAIL

**WHEEL TYPE:**  
**CDF200/45**  
See table for full part number

**Maximum load rating:**  
**1200Kg**  
See pages 23-26 for load factors  
**Approximate weight: 16Kg**

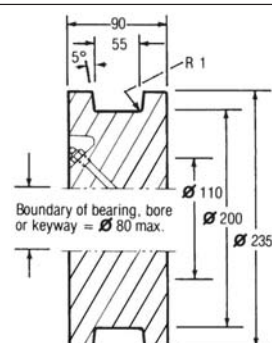


## FULL PART NUMBER FOR ORDERING

Axle Ø	Plain Bore	Plain Bore Keywayed	Ball Bearing	Taper Roller Bearing
<b>METRIC AXLE Ø</b>				
30	CDF200/45/PBM 30	CDF200/45/KM 30		
35	CDF200/45/PBM 35	CDF200/45/KM 35	CDF200/45/BJM 35	
40	CDF200/45/PBM 40	CDF200/45/KM 40	CDF200/45/BJM 40	

**WHEEL TYPE:**  
**CDF200/55**  
See table for full part number

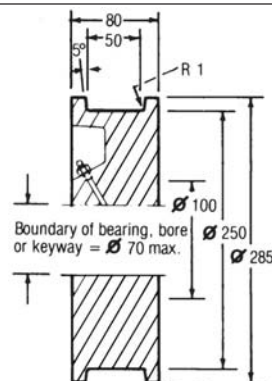
**Maximum load rating:**  
**1450Kg**  
See pages 23-26 for load factors  
**Approximate weight: 18Kg**



<b>METRIC AXLE Ø</b>				
30	CDF200/55/PBM 30	CDF200/55/KM 30		
35	CDF200/55/PBM 35	CDF200/55/KM 35	CDF200/55/BJM 35	
40	CDF200/55/PBM 40	CDF200/55/KM 40	CDF200/55/BJM 40	

**WHEEL TYPE:**  
**CDF250/50**  
See table for full part number

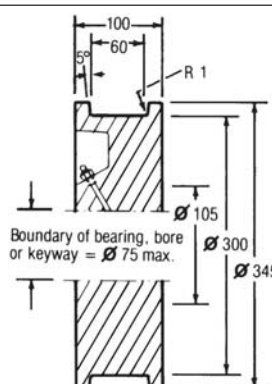
**Maximum load rating:**  
**1650Kg**  
See pages 23-26 for load factors  
**Approximate weight: 21Kg**



<b>METRIC AXLE Ø</b>				
35	CDF250/50/PBM 35	CDF250/50/KM 35	CDF250/50/BJM 35	
40	CDF250/50/PBM 40	CDF250/50/KM 40	CDF250/50/BJM 40	

**WHEEL TYPE:**  
**CDF300/60**  
See table for full part number

**Maximum load rating:**  
**2300Kg**  
See pages 23-26 for load factors  
**Approximate weight: 32Kg**



<b>METRIC AXLE Ø</b>				
40	CDF300/60/PBM 40	CDF300/60/KM 40	CDF300/60/BJM 40	
50	CDF300/60/PBM 50	CDF300/60/KM 50		