

Cast Iron Single 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.

MATERIAL: Cast iron to BS1452: 1977: Grade 200

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. 5.1. and 5.3.

OPERATING TEMPERATURE RANGE:

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

Standard wheel features a 3° tread angle to assist centering of pairs of wheels on common axles when used with convex crown rails. When single flanged wheels are to be used singly or on flat topped rails, 'flat treads', (which have the tread parallel to the wheel axis and flanges at a 5° angle) should be specified by adding suffix 'FT' to the part number. (Tread diameter may be required)

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.

CAST IRON SINGLE FLANGED RAIL

WHEEL TYPE:

CSF63/25

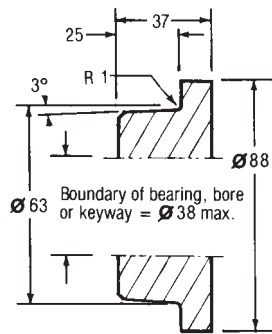
See table for full part number

Maximum load rating:

200Kg

See pages 23-26 for load factors

Approximate weight: 1Kg



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

WHEEL TYPE:

CSF75/25

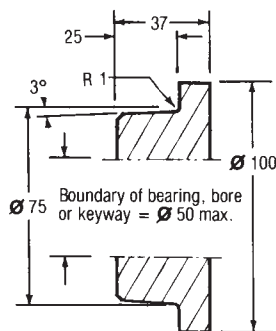
See table for full part number

Maximum load rating:

250Kg

See pages 23-26 for load factors

Approximate weight: 1.5Kg



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

FULL PART NUMBER FOR ORDERING

Axle Ø	Plain Bore	Plain Bore Keywayed	Ball Bearing	Taper Roller Bearing
METRIC AXLE Ø				
20	CSF63/25/PBM 20	CSF63/25/KM 20	CSF63/25/BJM 20	
25	CSF63/25/PBM 25	CSF63/25/KM 25		

METRIC AXLE Ø				
20	CSF75/25/PBM 20	CSF75/25/KM 20	CSF75/25/BJM 20	
25	CSF75/25/PBM 25	CSF75/25/KM 25	CSF75/25/BJM 25	
30	CSF75/25/PBM 30	CSF75/25/KM 30		

Cast Iron Single Flanged Rail Wheels



WHEEL TYPE: CSF100/25

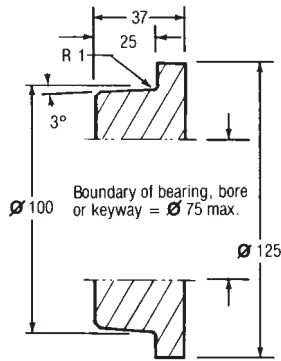
See table for full part number

Maximum load rating:

300Kg

See pages 23-26 for load factors

Approximate weight: **2.5Kg**



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

WHEEL TYPE: CSF133/35

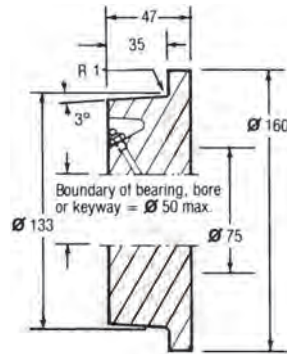
See table for full part number

Maximum load rating:

600Kg

See pages 23-26 for load factors

Approximate weight: **4.5Kg**



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

WHEEL TYPE: CSF150/40

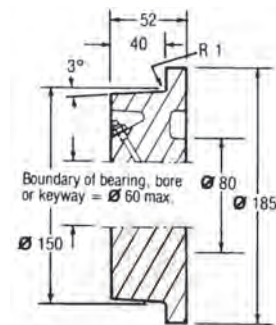
See table for full part number

Maximum load rating:

800Kg

See pages 23-26 for load factors

Approximate weight: **4.5Kg**



WHEEL TYPE: CSF200/40

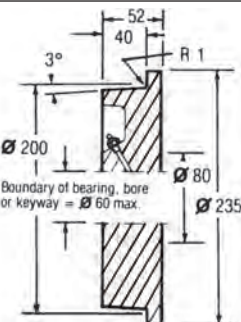
See table for full part number

Maximum load rating:

1000Kg

See pages 23-26 for load factors

Approximate weight: **6.5Kg**



FULL PART NUMBER FOR ORDERING

Axle Ø	Plain Bore	Plain Bore Keywayed	Ball Bearing	Taper Roller Bearing
METRIC AXLE Ø				
20	CSF100/25/PBM 20	CSF100/25/KM 20	CSF100/25/BJM 20	
25	CSF100/25/PBM 25	CSF100/25/KM 25	CSF100/25/BJM 25	
30	CSF100/25/PBM 30	CSF100/25/KM 30		

METRIC AXLE Ø				
20	CSF133/35/PBM 20	CSF133/35/KM 20	CSF133/35/BJM 20	
25	CSF133/35/PBM 25	CSF133/35/KM 25	CSF133/35/BJM 25	
30	CSF133/35/PBM 30	CSF133/35/KM 30	CSF133/35/BJM 30	
35	CSF133/35/PBM 35	CSF133/35/KM 35		

METRIC AXLE Ø				
25	CSF150/40/PBM 25	CSF150/40/KM 25	CSF150/40/BJM 25	
30	CSF150/40/PBM 30	CSF150/40/KM 30	CSF150/40/BJM 30	
35	CSF150/40/PBM 35	CSF150/40/KM 35	CSF150/40/BJM 35	

METRIC AXLE Ø				
25	CSF200/40/PBM 25	CSF200/40/KM 25	CSF200/40/BJM 25	
30	CSF200/40/PBM 30	CSF200/40/KM 30	CSF200/40/BJM 30	
35	CSF200/40/PBM 35	CSF200/40/KM 35	CSF200/40/BJM 35	

CAST IRON SINGLE FLANGED RAIL

Cast Iron Single Flanged Rail Wheels

CAST IRON SINGLE FLANGED RAIL

WHEEL TYPE:
CSF225/55

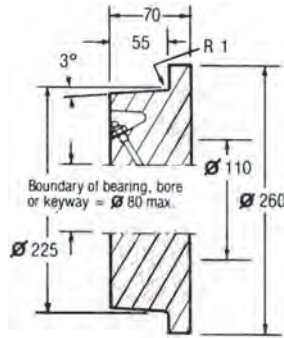
See table for full part number

Maximum load rating:

1600Kg

See pages 23-26 for load factors

Approximate weight: **15Kg**



FULL PART NUMBER FOR ORDERING

Axle Ø	Plain Bore	Plain Bore Keywayed	Ball Bearing	Taper Roller Bearing
METRIC AXLE Ø				
30	CSF225/55/PBM 30	CSF225/55/KM 30	CSF225/55/BJM 30	
35	CSF225/55/PBM 35	CSF225/55/KM 35	CSF225/55/BJM 35	
40	CSF225/55/PBM 40	CSF225/55/KM 40		
50	CSF225/55/PBM 50	CSF225/55/KM 50		

WHEEL TYPE:
CSF250/50

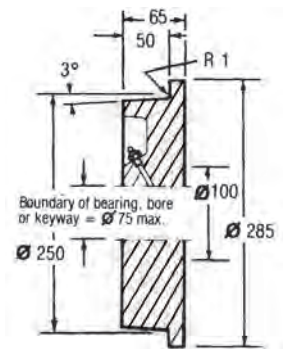
See table for full part number

Maximum load rating:

1600Kg

See pages 23-26 for load factors

Approximate weight: **18Kg**



METRIC AXLE Ø				
30	CSF250/50/PBM 30	CSF250/50/KM 30	CSF250/50/BJM 30	
35	CSF250/50/PBM 35	CSF250/50/KM 35	CSF250/50/BJM 35	
40	CSF250/50/PBM 40	CSF250/50/KM 40		
50	CSF250/50/PBM 50	CSF250/50/KM 50		

WHEEL TYPE:
CSF300/60

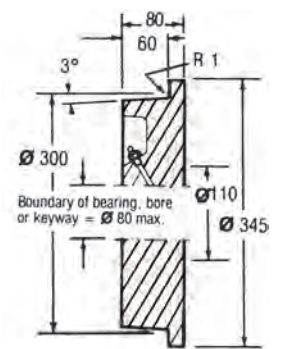
See table for full part number

Maximum load rating:

2300Kg

See pages 23-26 for load factors

Approximate weight: **28Kg**



METRIC AXLE Ø				
35	CSF300/60/PBM 35	CSF300/60/KM 35	CSF300/60/BJM 35	
40	CSF300/60/PBM 40	CSF300/60/KM 40	CSF300/60/BJM 40	
50	CSF300/60/PBM 50	CSF300/60/KM 50		