

Steel Single Flanged Rail Wheels



MATERIAL: Steel to BS970: Part 1: 1983: 080M40

OPERATING TEMPERATURE RANGE:

Plain bored or keywayed wheels – 30°C to 350°C

Ball or taper roller bearinged wheels – 40°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 6.2.

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 reduced)

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.

Plain bore wheels are not drilled and tapped for greasing unless requested at time of order.

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:

SSF75/25

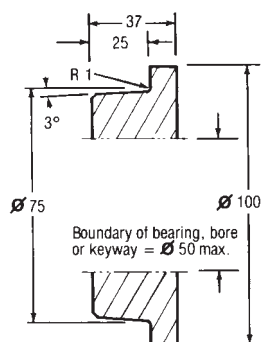
See table for full part number

Maximum load rating:

975Kg

See pages 23-26 for load factors

Approximate weight: 1.4Kg



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

WHEEL TYPE:

SSF100/25

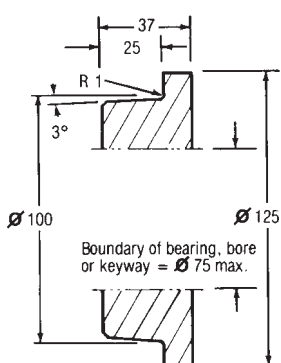
See table for full part number

Maximum load rating:

1300Kg

See pages 23-26 for load factors

Approximate weight: 2.5Kg



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		SSF75/25/KM 20	SSF75/25/BJM 20 ⁽¹⁾	SSF75/25/TBM 20
25		SSF75/25/KM 25	SSF75/25/BJM 25	SSF75/25/TBM 25

LOAD LIMITED BY BEARINGS TO: (1) 900Kg

- TBM25 is actually Ø52mm recess, but considered acceptable
- Too small for grease nipples

METRIC AXLE Ø				
20		SSF100/25/KM 20	SSF100/25/BJM 20 ⁽¹⁾	SSF100/25/TBM 20
25		SSF100/25/KM 25	SSF100/25/BJM 25 ⁽²⁾	SSF100/25/TBM 25

LOAD LIMITED BY BEARINGS TO: (1) 900Kg (2) 1140Kg

- Too small for grease nipples

Steel Single Flanged Rail Wheels

WHEEL TYPE:

SSF150/40

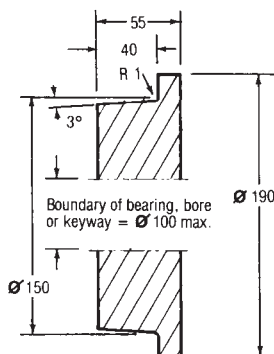
See table for full part number

Maximum load rating:

3100Kg

See pages 23-26 for load factors

Approximate weight: **8.5Kg**



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				
25		SSF150/40/KM 25	SSF150/40/BJM 25 (1)	SSF150/40/TBM 25
30		SSF150/40/KM 30	SSF150/40/BJM 30 (2)	SSF150/40/TBM 30
35		SSF150/40/KM 35		

LOAD LIMITED BY BEARINGS TO: (1) 1140Kg (2) 2040Kg

WHEEL TYPE:

SSF200/55

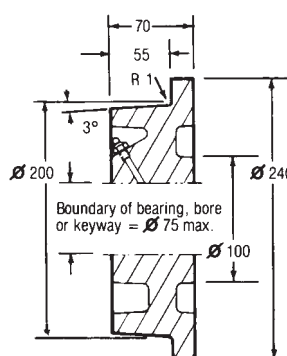
See table for full part number

Maximum load rating:

5700Kg

See pages 23-26 for load factors

Approximate weight: **18Kg**



METRIC AXLE Ø

30		SSF200/55/KM 30	SSF200/55/BJM 30 (1)	SSF200/55/TBM 30 (4)
35		SSF200/55/KM 35	SSF200/55/BJM 35 (2)	SSF200/55/TBM 35
40		SSF200/55/KM 40	SSF200/55/BJM 40 (3)	SSF200/55/TBM 40

LOAD LIMITED BY BEARINGS TO: (1) 2040Kg (2) 2800Kg (3) 3384Kg (4) 5200Kg

WHEEL TYPE:

SSF250/55

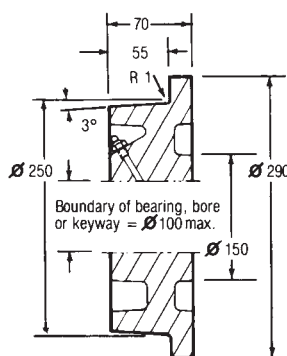
See table for full part number

Maximum load rating:

7100Kg

See pages 23-26 for load factors

Approximate weight: **29Kg**



METRIC AXLE Ø

35		SSF250/55/KM 35	SSF250/55/BJM 35 (1)	SSF250/55/TBM 35 (4)
40		SSF250/55/KM 40	SSF250/55/BJM 40 (2)	SSF250/55/TBM 40
50		SSF250/55/KM 50	SSF250/55/BJM 50	SSF250/55/TBM 50

LOAD LIMITED BY BEARINGS TO: (1) 2800Kg (2) 3384Kg (4) 6625Kg

WHEEL TYPE:

SSF300/60

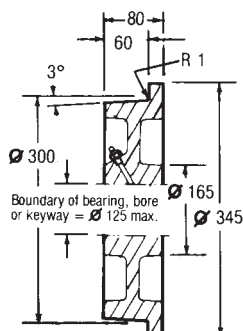
See table for full part number

Maximum load rating:

9300kg

See pages 23-26 for load factors

Approximate weight: **45Kg**



METRIC AXLE Ø

40		SSF300/60/KM 40	SSF300/60/BJM 40 (1)	SSF300/60/TBM 40 (3)
50		SSF300/60/KM 50	SSF300/60/BJM 50 (2)	SSF300/60/TBM 50

LOAD LIMITED BY BEARINGS TO: (1) 4400Kg (2) 7340Kg (3) 8155Kg

Steel Single Flanged Rail Wheels

BRAUER®

WHEEL TYPE: SSF350/60

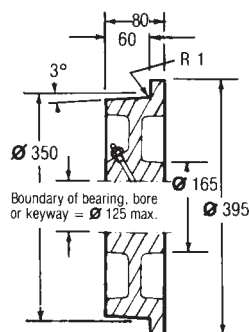
See table for full part number

Maximum load rating:

10800Kg

See pages 23-26 for load factors

Approximate weight: **60Kg**



FULL PART NUMBER FOR ORDERING

Axle Ø	Plain Bore	Plain Bore Keywayed	Ball Bearing	Taper Roller Bearing
METRIC AXLE Ø				
50		SSF350/60/KM 50	SSF350/60/BJM 50 ⁽¹⁾	SSF350/60/TBM 50 ⁽⁴⁾
60		SSF350/60/KM 60	SSF350/60/BJM 60 ⁽²⁾	SSF350/60/TBM 60
75		SSF350/60/KM 75	SSF350/60/BJM 75 ⁽³⁾	SSF350/60/TBM 75

LOAD LIMITED BY BEARINGS TO: (1) 7340Kg (2) 9785Kg (3) 9000Kg (4) 10600Kg

WHEEL TYPE: SSF400/70

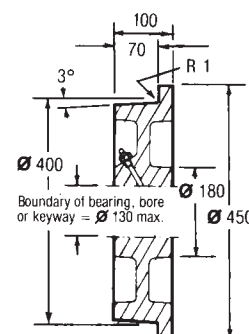
See table for full part number

Maximum load rating:

14400Kg

See pages 23-26 for load factors

Approximate weight: **100Kg**



METRIC AXLE Ø

50	SSF400/70/KM 50		SSF400/70/TBM 50 ⁽¹⁾
60	SSF400/70/KM 60	SSF400/70/BJM 60 ⁽³⁾	SSF400/70/TBM 60 ⁽²⁾
75	SSF400/70/KM 75	SSF400/70/BJM 75 ⁽⁴⁾	SSF400/70/TBM 75

LOAD LIMITED BY BEARINGS TO: (1) 10600Kg (2) 13350Kg (3) 9785Kg (4) 9000Kg

WHEEL TYPE: SSF450/95

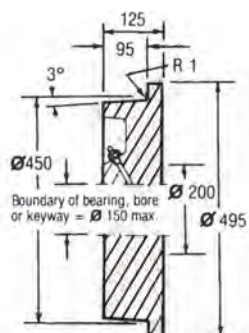
See table for full part number

Maximum load rating:

22000Kg

See pages 23-26 for load factors

Approximate weight: **150Kg**



METRIC AXLE Ø

75	SSF450/95/KM 75		SSF450/95/TBM 75 ⁽¹⁾
100	SSF450/95/KM 100		SSF450/95/TBM 100

LOAD LIMITED BY BEARINGS TO: (1) 19400Kg

WHEEL TYPE: SSF600/100

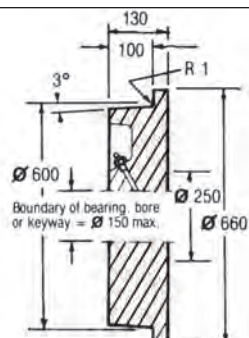
See table for full part number

Maximum load rating:

30900Kg

See pages 23-26 for load factors

Approximate weight: **280Kg**



METRIC AXLE Ø

100	SSF600/100/KM 100		SSF600/100/TBM 100
150	SSF600/100/KM 150		SSF600/100/TBM 150

STEEL SINGLE FLANGED RAIL

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 bearing 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.

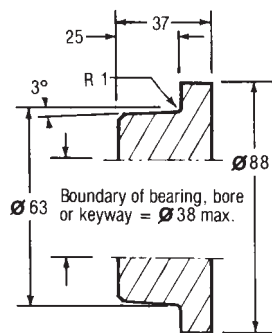
For technical information covering load factors, inertial and rolling resistance, coefficients of friction between wheel and track, and keyway dimensions, see "Design Data" Index on page 20.

WHEEL TYPE:
CSF63/25
See table for full part number

Maximum load rating:
200Kg

See pages 23-26 for load factors

Approximate weight: 1Kg



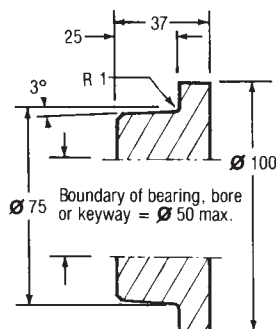
Wheels fitted with ball journals are pre-lubricated, double shielded

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

BRAUER®

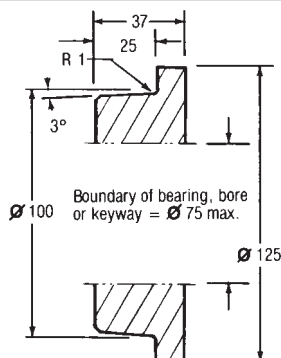
WHEEL TYPE: CSF100/25

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

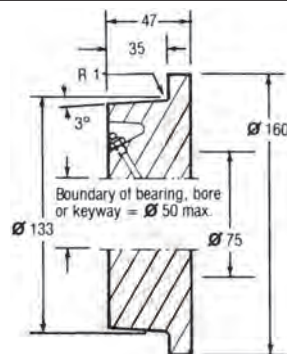
WHEEL TYPE: CSF133/35

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

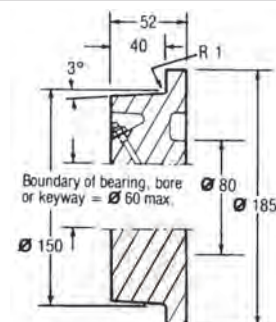
WHEEL TYPE: CSF150/40

See table for full part number

Maximum load rating:
800Kg

See pages 23-26 for load factors

Approximate weight: **4.5Kg**



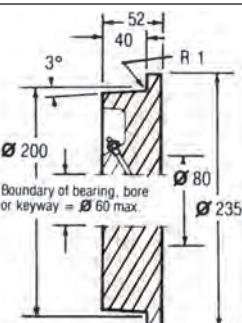
WHEEL TYPE: CSF200/40

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

WHEEL TYPE:

CSF225/55

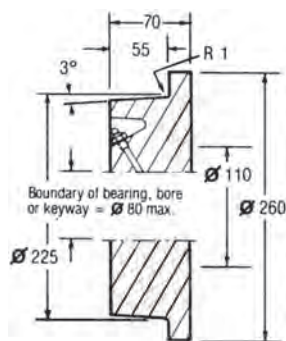
See table for full part number

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

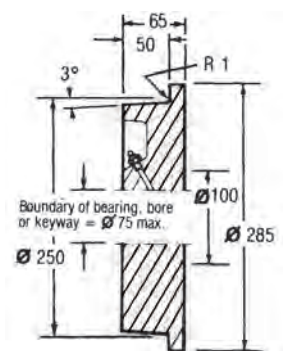
See table for full part number

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

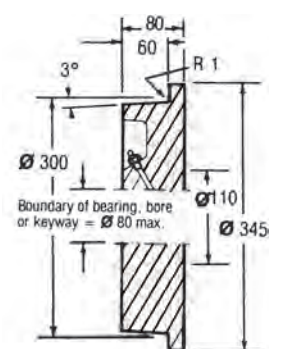
See table for full part number

Maximum load rating:

2300Kg

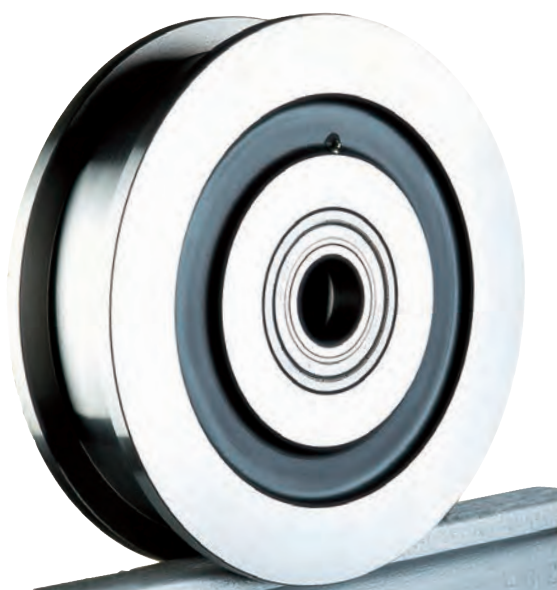
See pages 23-26 for load factors

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		

Steel Double Flanged Rail Wheels



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: Steel to BS970; Part I: 1983: 080M40

OPERATING TEMPERATURE RANGE:

Plain bored or keywayed wheels – 30°C to 350°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 6.2.

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.

Plain bore wheels are not drilled and taped for greasing unless requested at time of order.

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.

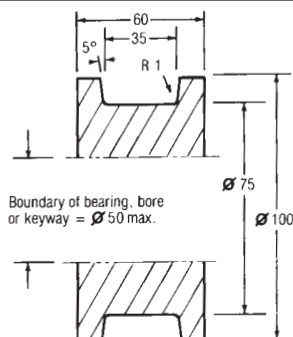
WHEEL TYPE:
SDF75/35
See table for full part number

Maximum load rating:

1350Kg

See pages 23-26 for load factors

Approximate weight: **2.5Kg**



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

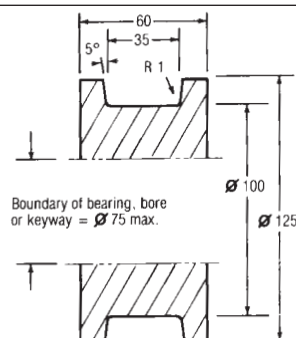
WHEEL TYPE:
SDF100/35
See table for full part number

Maximum load rating:

1800Kg

See pages 23-26 for load factors

Approximate weight: **4Kg**



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				
25		SDF75/35/KM 25	SDF75/35/BJM 25	SDF75/35/TBM 25
30		SDF75/35/KM 30	SDF75/35/BJM 30	SDF75/35/TBM 30

LOAD LIMITED BY BEARINGS TO: (1) 1140Kg

METRIC AXLE Ø				
25		SDF100/35/KM 25	SDF100/35/BJM 25	SDF100/35/TBM 25
30		SDF100/35/KM 30	SDF100/35/BJM 30	SDF100/35/TBM 30

LOAD LIMITED BY BEARINGS TO: (1) 1140Kg

Steel Double Flanged Rail Wheels

WHEEL TYPE:

SDF150/50

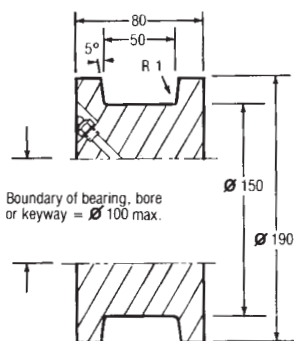
See table for full part number

Maximum load rating:

3900Kg

See pages 23-26 for load factors

Approximate weight: **13Kg**



FULL PART NUMBER FOR ORDERING

Axle Ø	Plain Bore	Plain Bore Keywayed	Ball Bearing	Taper Roller Bearing
METRIC AXLE Ø				
30		SDF150/50/KM 30	(1) SDF150/50/BJM 30	SDF150/50/TBM 30
35		SDF150/50/KM 35	(2) SDF150/50/BJM 35	SDF150/50/TBM 35
40		SDF150/50/KM 40	(3) SDF150/50/BJM 40	SDF150/50/TBM 40

LOAD LIMITED BY BEARINGS TO: (1) 2040Kg (2) 2800Kg (3) 3384Kg

WHEEL TYPE:

SDF200/50

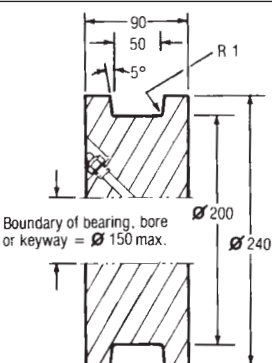
See table for full part number

Maximum load rating:

5100Kg

See pages 23-26 for load factors

Approximate weight: **25kg**



METRIC AXLE Ø

40		SDF200/50/KM 40	(1) SDF200/50/BJM 40	SDF200/50/TBM 40
50		SDF200/50/KM 50	SDF200/50/BJM 50	SDF200/50/TBM 50

LOAD LIMITED BY BEARINGS TO: (1) 3384Kg

WHEEL TYPE:

SDF225/50

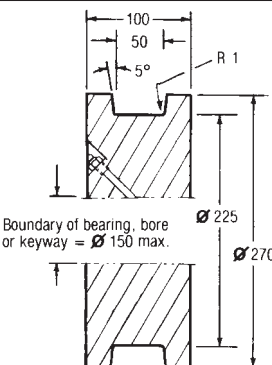
See table for full part number

Maximum load rating:

5800Kg

See pages 23-26 for load factors

Approximate weight: **36Kg**



METRIC AXLE Ø

50		SDF225/50/KM 50	SDF225/50/BJM 50	SDF225/50/TBM 50
60		SDF225/50/KM 60	SDF225/50/BJM 60	SDF225/50/TBM 60

WHEEL TYPE:

SDF225/60

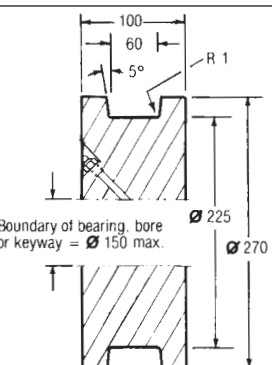
See table for full part number

Maximum load rating:

7000Kg

See pages 23-26 for load factors

Approximate weight: **35Kg**



METRIC AXLE Ø

50		SDF225/60/KM 50	SDF225/60/BJM 50	SDF225/60/TBM 50
60		SDF225/60/KM 60	SDF225/60/BJM 60	SDF225/60/TBM 60

Steel Double Flanged Rail Wheels

BRAUER®

WHEEL TYPE: SDF250/60

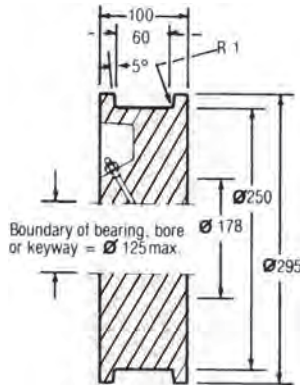
See table for full part number

Maximum load rating:

7700Kg

See pages 23-26 for load factors

Approximate weight: **44Kg**



FULL PART NUMBER FOR ORDERING

Axle Ø	Plain Bore	Plain Bore Keywayed	Ball Bearing	Taper Roller Bearing
METRIC AXLE Ø				
50		SDF250/60/KM 50	(1) SDF250/60/BJM 50	SDF250/60/TBM 50
60		SDF250/60/KM 60	SDF250/60/BJM 60	SDF250/60/TBM 60

LOAD LIMITED BY BEARINGS TO: (1) 7340Kg

WHEEL TYPE: SDF300/55

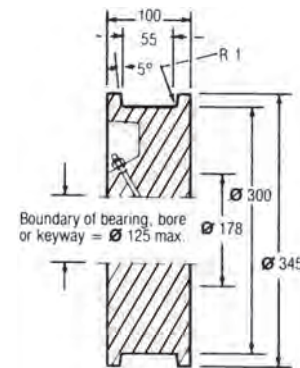
See table for full part number

Maximum load rating:

8500Kg

See pages 23-26 for load factors

Approximate weight: **60Kg**



METRIC AXLE Ø

50		SDF300/55/KM 50	(1) SDF300/55/BJM 50	SDF300/55/TBM 50
60		SDF300/55/KM 60	SDF300/55/BJM 60	SDF300/55/TBM 60
75		SDF300/55/KM 75	SDF300/55/BJM 75	SDF300/55/TBM 75

LOAD LIMITED BY BEARINGS TO: (1) 7340Kg

WHEEL TYPE: SDF300/65

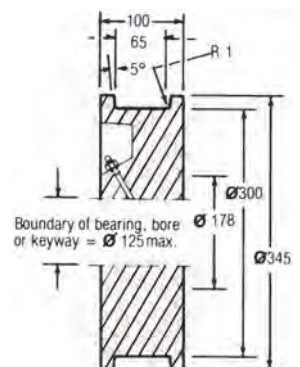
See table for full part number

Maximum load rating:

10000Kg

See pages 23-26 for load factors

Approximate weight: **59Kg**



METRIC AXLE Ø

50		SDF300/65/KM 50	(1)	SDF300/65/TBM 50
60		SDF300/65/KM 60	(1) SDF300/65/BJM 60	SDF300/65/TBM 60
75		SDF300/65/KM 75	(2) SDF300/65/BJM 75	SDF300/55/TBM 75

LOAD LIMITED BY BEARINGS TO: (1) 9785Kg (2) 9000Kg

WHEEL TYPE: SDF350/60

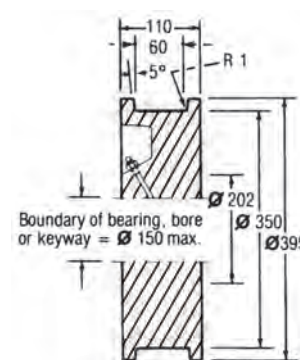
See table for full part number

Maximum load rating:

10800Kg

See pages 23-26 for load factors

Approximate weight: **90Kg**



METRIC AXLE Ø

50		SDF350/60/KM 50	(1)	(3) SDF350/60/TBM 50
60		SDF350/60/KM 60	(1) SDF350/60/BJM 60	SDF350/60/TBM 60
75		SDF350/60/KM 75	(2) SDF350/60/BJM 75	SDF350/60/TBM 75

LOAD LIMITED BY BEARINGS TO: (1) 9785Kg (2) 9000Kg (3) 10600Kg

STEEL DOUBLE FLANGED RAIL

Steel Double Flanged Rail Wheels

WHEEL TYPE:

SDF350/75

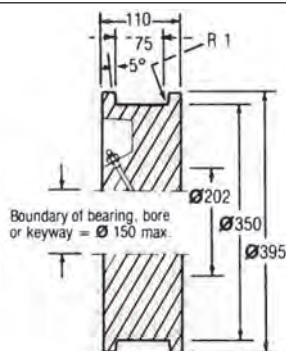
See table for full part number

Maximum load rating:

13500Kg

See pages 23-26 for load factors

Approximate weight: **90Kg**



FULL PART NUMBER FOR ORDERING

Axle Ø	Plain Bore	Plain Bore Keywayed	Ball Bearing	Taper Roller Bearing
METRIC AXLE Ø				
60		SDF350/75/KM 60		SDF350/75/TBM 60
75		SDF350/75/KM 75		SDF350/75/TBM 75
100		SDF350/75/KM 100		SDF350/75/TBM 100

LOAD LIMITED BY BEARINGS TO: (1) 13350Kg

WHEEL TYPE:

SDF450/70

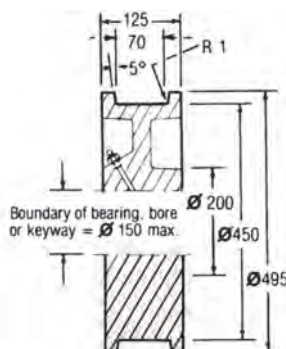
See table for full part number

Maximum load rating:

16200Kg

See pages 23-26 for load factors

Approximate weight: **160Kg**



METRIC AXLE Ø

75		SDF450/70/KM 75		SDF450/70/TBM 75
100		SDF450/70/KM 100		SDF450/70/TBM 100

WHEEL TYPE:

SDF450/80

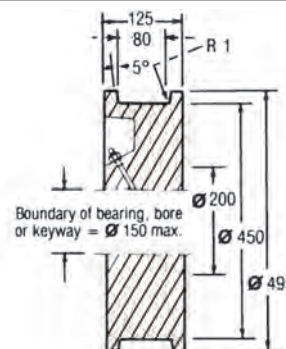
See table for full part number

Maximum load rating:

18500Kg

See pages 23-26 for load factors

Approximate weight: **160Kg**



METRIC AXLE Ø

75		SDF450/80/KM 75		SDF450/80/TBM 75
100		SDF450/80/KM 100		SDF450/80/TBM 100

WHEEL TYPE:

SDF600/100

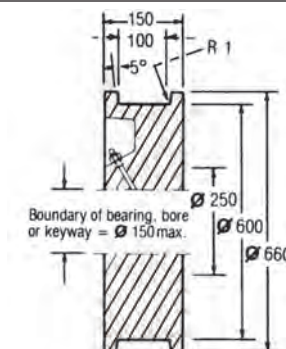
See table for full part number

Maximum load rating:

30900Kg

See pages 23-26 for load factors

Approximate weight: **350Kg**



METRIC AXLE Ø

100		SDF600/100/KM 100		SDF600/100/TBM 100
150		SDF600/100/KM 150		SDF600/100/TBM 150

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.

FULL PART NUMBER FOR ORDERING

Axle Ø	Plain Bore	Plain Bore Keywayed	Ball Bearing	Taper Roller Bearing
METRIC AXLE Ø				
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:

CDF130/40

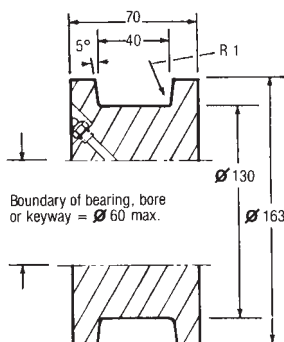
See table for full part number

Maximum load rating:

650Kg

See pages 23-26 for load factors

Approximate weight: **8Kg**



WHEEL TYPE:

CDF150/50

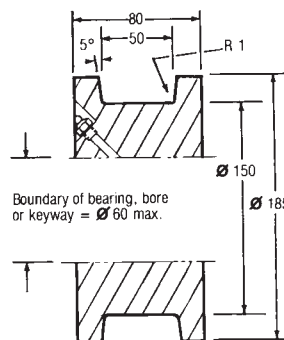
See table for full part number

Maximum load rating:

1000Kg

See pages 23-26 for load factors

Approximate weight: **12Kg**



METRIC AXLE Ø

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 Double Flanged Rail Wheels

WHEEL TYPE:

CDF200/45

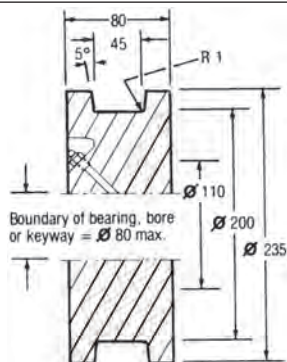
See table for full part number

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
--------	------------	---------------------	--------------	----------------------

METRIC AXLE Ø				
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

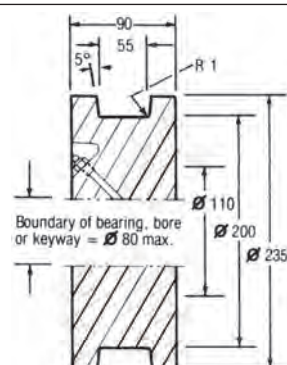
See table for full part number

Maximum load rating:

1450Kg

See pages 23-26 for load factors

Approximate weight: **18Kg**



METRIC AXLE Ø				
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

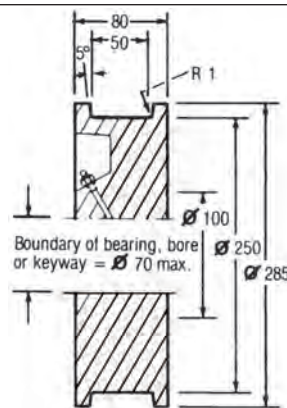
See table for full part number

Maximum load rating:

1650Kg

See pages 23-26 for load factors

Approximate weight: **21Kg**



METRIC AXLE Ø				
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

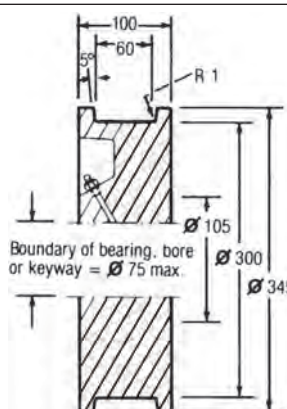
See table for full part number

Maximum load rating:

2300Kg

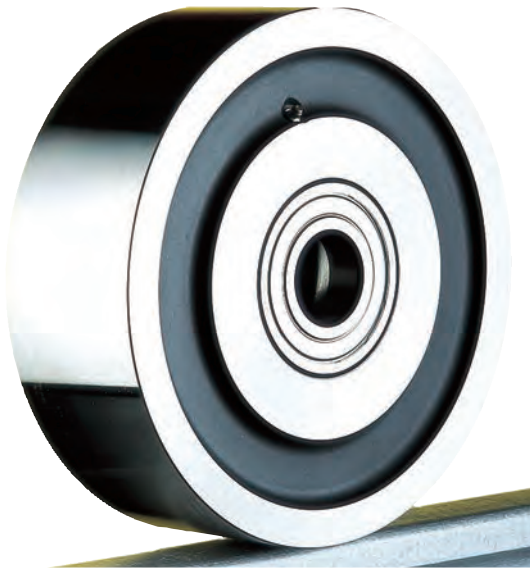
See pages 23-26 for load factors

Approximate weight: **32Kg**



METRIC AXLE Ø				
40	CDF300/60/PBM 40	CDF300/60/KM 40	CDF300/60/BJM 40	
50	CDF300/60/PBM 50	CDF300/60/KM 50		

Steel 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, the flanged wheel providing guidance and the unflanged wheel allowing a wide tolerance in the pitch of the rails.

MATERIAL: Steel to BS970: 1983: 080M40

OPERATING TEMPERATURE RANGE:

Plain bored or keywayed wheels – 30°C to 350°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 6.2.

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.

Plain bore wheels are not drilled and tapped for greasing unless requested at time of order.

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.

FULL PART NUMBER FOR ORDERING

Axle Ø	Plain Bore	Plain Bore Keywayed	Ball Bearing	Taper Roller Bearing
METRIC AXLE Ø				
25		SFT75/60/KM 25	SFT75/60/BJM 25 ⁽¹⁾	SFT75/60/TBM 25
30		SFT75/60/KM 30	SFT75/60/BJM 30 ⁽²⁾	SFT75/60/TBM 30

LOAD LIMITED BY BEARINGS TO: (1) 1140Kg (2) 2040Kg

WHEEL TYPE:

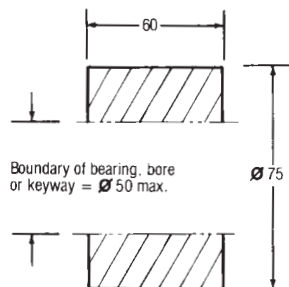
SFT75/60

See table for full part number

Maximum load rating:
2300Kg

See pages 23-26 for load factors

Approximate weight: 2Kg



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

WHEEL TYPE:

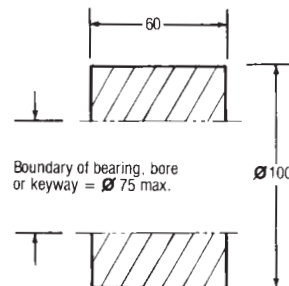
SFT100/60

See table for full part number

Maximum load rating:
3100Kg

See pages 23-26 for load factors

Approximate weight: 3.5Kg



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

METRIC AXLE Ø				
25		SFT100/60/KM 25	SFT100/60/BJM 25 ⁽¹⁾	SFT100/60/TBM 25
30		SFT100/60/KM 30	SFT100/60/BJM 30 ⁽²⁾	SFT100/60/TBM 30

LOAD LIMITED BY BEARINGS TO: (1) 1140Kg (2) 2040Kg

Steel Flat Tread Rail Wheels

WHEEL TYPE:

SFT150/80

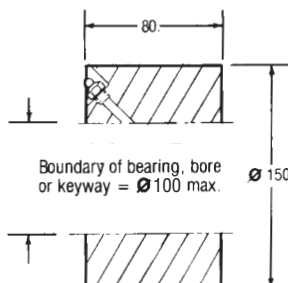
See table for full part number

Maximum load rating:

6200Kg

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
METRIC AXLE Ø				
30		SFT150/80/KM 30	SFT150/80/BJM 30 (1)	SFT150/80/TBM 30 (4)
35		SFT150/80/KM 35	SFT150/80/BJM 35 (2)	SFT150/80/TBM 35
40		SFT150/80/KM 40	SFT150/80/BJM 40 (3)	SFT150/80/TBM 40

LOAD LIMITED BY BEARINGS TO: (1) 2040Kg (2) 2800Kg (3) 3384Kg (4) 5200Kg

WHEEL TYPE:

SFT200/90

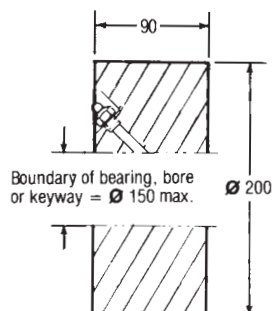
See table for full part number

Maximum load rating:

9300Kg

See pages 23-26 for load factors

Approximate weight: **22Kg**



METRIC AXLE Ø				
40		SFT200/90/KM 40	SFT200/90/BJM 40 (1)	SFT200/90/TBM 40 (3)
50		SFT200/90/KM 50	SFT200/90/BJM 50 (2)	SFT200/90/TBM 50

LOAD LIMITED BY BEARINGS TO: (1) 3384Kg (2) 7340Kg (3) 8155Kg

WHEEL TYPE:

SFT225/100

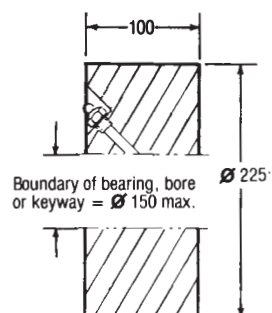
See table for full part number

Maximum load rating:

11600Kg

See pages 23-26 for load factors

Approximate weight: **30Kg**



METRIC AXLE Ø				
50		SFT225/100/KM 50	SFT225/100/BJM 50 (1)	SFT225/100/TBM 50 (3)
60		SFT225/100/KM 60	SFT225/100/BJM 60 (2)	SFT225/100/TBM 60

LOAD LIMITED BY BEARINGS TO: (1) 7340Kg (2) 9785Kg (3) 10600Kg

WHEEL TYPE:

SFT250/100

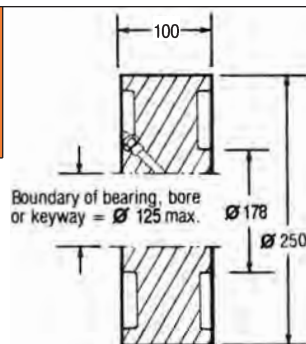
See table for full part number

Maximum load rating:

12900Kg

See pages 23-26 for load factors

Approximate weight: **37Kg**



METRIC AXLE Ø				
50		SFT250/100/KM 50	SFT250/100/BJM 50 (1)	SFT250/100/TBM 50 (4)
60		SFT250/100/KM 60	SFT250/100/BJM 60 (2)	SFT250/100/TBM 60
75		SFT250/100/KM 75	SFT250/100/BJM 75 (3)	SFT250/100/TBM 75

LOAD LIMITED BY BEARINGS TO: (1) 7340Kg (2) 9785Kg (3) 9000Kg (4) 10600Kg

Steel Flat Tread Rail Wheels

BRAUER®

WHEEL TYPE:

SFT300/100

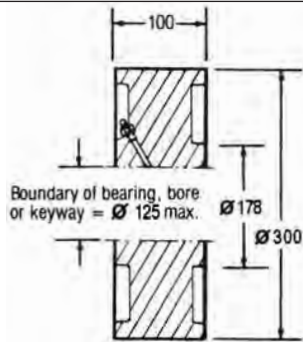
See table for full part number

Maximum load rating:

15400Kg

See pages 23-26 for load factors

Approximate weight: **54Kg**



FULL PART NUMBER FOR ORDERING

Axle Ø	Plain Bore	Plain Bore Keywayed	Ball Bearing	Taper Roller Bearing
METRIC AXLE Ø				
50		SFT300/100/KM 50	SFT300/100/BJM 50 (1)	SFT300/100/TBM 50 (4)
60		SFT300/100/KM 60	SFT300/100/BJM 60 (2)	SFT300/100/TBM 60 (5)
75		SFT300/100/KM 75	SFT300/100/BJM 75 (3)	SFT300/100/TBM 75

LOAD LIMITED BY BEARINGS TO: (1) 7340Kg (2) 9785Kg (3) 9000Kg (4) 10600Kg
(5) 13350Kg

WHEEL TYPE:

SFT350/110

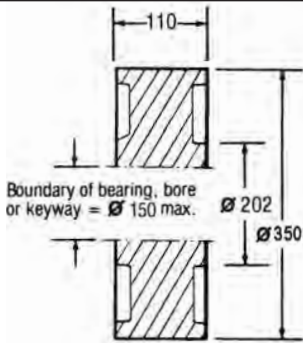
See table for full part number

Maximum load rating:

19900Kg

See pages 23-26 for load factors

Approximate weight: **80Kg**



METRIC AXLE Ø				
50		SFT350/110/KM 50	SFT350/110/BJM 50 (1)	SFT350/110/TBM 50 (4)
60		SFT350/110/KM 60	SFT350/110/BJM 60 (2)	SFT350/110/TBM 60 (5)
75		SFT350/110/KM 75	SFT350/110/BJM 75 (3)	SFT350/110/TBM 75 (6)

LOAD LIMITED BY BEARINGS TO: (1) 7340Kg (2) 9785Kg (3) 9000Kg (4) 10600Kg
(5) 13350Kg (6) 19400Kg

WHEEL TYPE:

SFT450/125

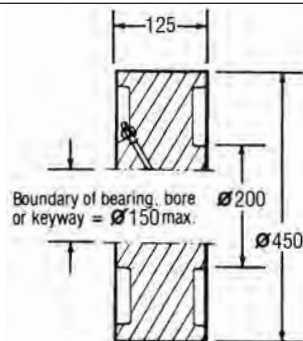
See table for full part number

Maximum load rating:

29000Kg

See pages 23-26 for load factors

Approximate weight: **150Kg**



METRIC AXLE Ø				
75		SFT450/125/KM 75		SFT450/125/TBM 75 (1)
100		SFT450/125/KM 100		SFT450/125/TBM 100

LOAD LIMITED BY BEARINGS TO: (1) 19400Kg

WHEEL TYPE:

SFT600/150

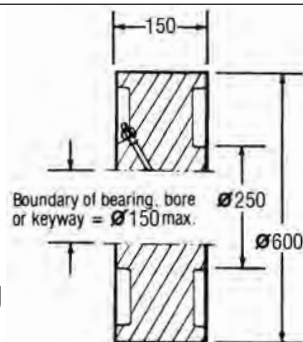
See table for full part number

Maximum load rating:

46300Kg

See pages 23-26 for load factors

Approximate weight: **325Kg**

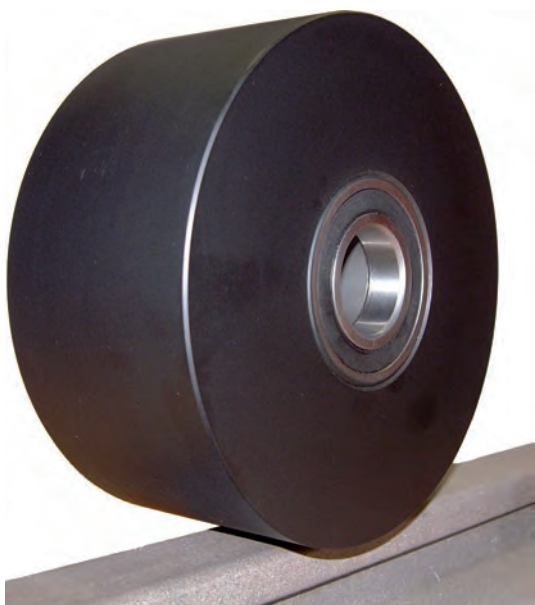


METRIC AXLE Ø				
100		SFT600/150/KM 100		SFT600/150/TBM 100 (1)
150		SFT600/150/KM 150		SFT600/150/TBM 150

LOAD LIMITED BY BEARINGS TO: (1) 31000Kg

STEEL FLAT TREAD RAIL

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.

WHEEL TYPE:

CFT130/70

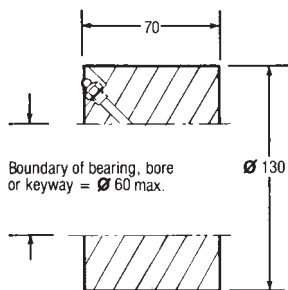
See table for full part number

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

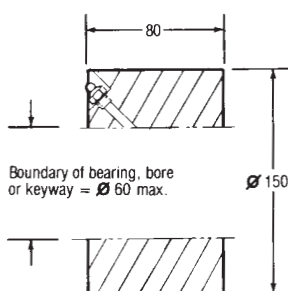
See table for full part number

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
METRIC AXLE Ø				
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

METRIC AXLE Ø				
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

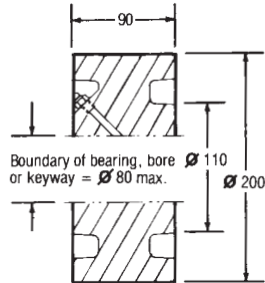
See table for full part number

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
--------	------------	---------------------	--------------	----------------------

METRIC AXLE Ø

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

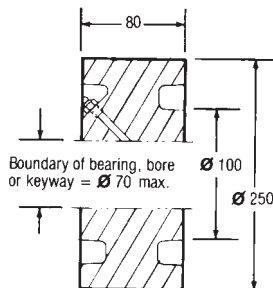
See table for full part number

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

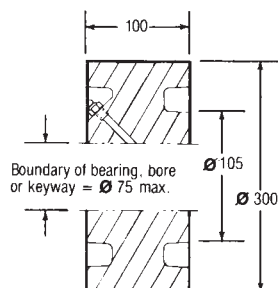
See table for full part number

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 Nylon Flat Tread Rail Wheels



Nylon wheels are light in weight and are resistant to impact, abrasion, corrosion and the effect of many chemicals.

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, the flanged wheel providing guidance and the unflanged wheel allowing a wide tolerance in the pitch of the rails.

MATERIAL: Cast Nylon 6

OPERATING TEMPERATURE RANGE:

Plain bored or keywayed wheels – 30°C to 80°C

Ball or taper roller bearinged wheels – 30°C to 80°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 6.2.

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.

Plain bore wheels are not drilled and tapped for greasing unless requested at time of order.

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:

NFT200/60

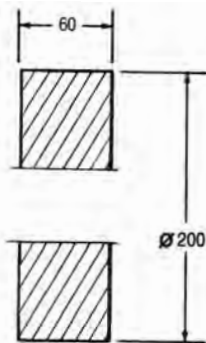
See table for full part number

Maximum load rating:

2350Kg

See page 21 for load factors

Approximate weight: **2Kg**



FULL PART NUMBER FOR ORDERING

Axle Ø	Plain Bore	Ball Bearing
METRIC AXLE Ø		
30	NFT200/60/PBM30	NFT200/60/BJM30
35	NFT200/60/PBM35	

LOAD LIMITED BY BEARINGS TO: (1) 2040Kg

WHEEL TYPE:

NFT250/60

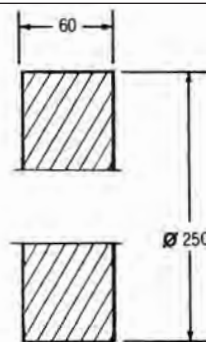
See table for full part number

Maximum load rating:

2950Kg

See page 21 for load factors

Approximate weight: **3.2Kg**



METRIC AXLE Ø		
35	NFT250/60/PBM35	
40	NFT250/60/PBM40	NFT250/60/BJM40
50	NFT250/60/PBM50	

LOAD LIMITED BY BEARINGS TO: (1) 3384Kg

WHEEL TYPE:

NFT250/75

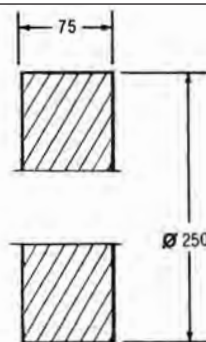
See table for full part number

Maximum load rating:

3680Kg

See page 21 for load factors

Approximate weight: **4Kg**



METRIC AXLE Ø		
35	NFT250/75/PBM35	
40	NFT250/75/PBM40	NFT250/75/BJM40
50	NFT250/75/PBM50	

LOAD LIMITED BY BEARINGS TO: (1) 3384Kg

Cast Nylon Flat Tread Rail Wheels



WHEEL TYPE: **NFT250/100**

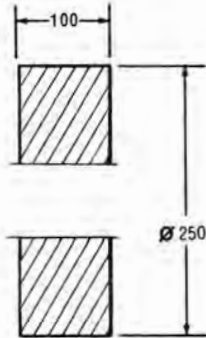
See table for full part number

Maximum load rating:

4900Kg

See page 21 for load factors

Approximate weight: **5.5Kg**



FULL PART NUMBER FOR ORDERING

Axle Ø	Plain Bore	Ball Bearing
METRIC AXLE Ø		
35	NFT250/100/PBM35	
40	NFT250/100/PBM40	
50	NFT250/100/PBM50	NFT250/100/BJM50

LOAD LIMITED BY BEARINGS TO: (1) 4729Kg

WHEEL TYPE: **NFT300/100**

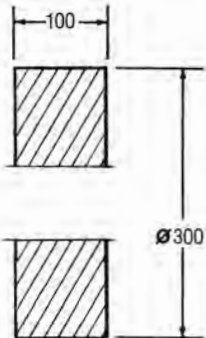
See table for full part number

Maximum load rating:

5880Kg

See page 21 for load factors

Approximate weight: **8Kg**



METRIC AXLE Ø		
50	NFT300/100/PBM50	
60	NFT300/100/PBM60	NFT300/100/BJM60

WHEEL TYPE: **NFT350/100**

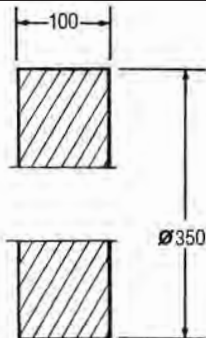
See table for full part number

Maximum load rating:

6870Kg

See page 21 for load factors

Approximate weight: **10.5Kg**



METRIC AXLE Ø		
60	NFT350/100/PBM60	NFT350/100/BJM60
75	NFT350/100/PBM75	

WHEEL TYPE: **NFT400/100**

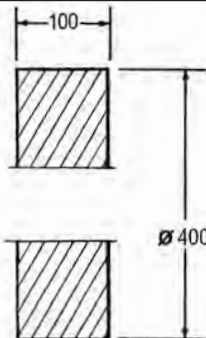
See table for full part number

Maximum load rating:

7850Kg

See page 21 for load factors

Approximate weight: **14Kg**



METRIC AXLE Ø		
75	NFT400/100/PBM75	NFT400/100/BJM75

Cast Nylon Double Flanged Rail Wheels



Nylon wheels are light in weight and are resistant to impact, abrasion, corrosion and the effect of many chemicals.

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 Nylon 6

OPERATING TEMPERATURE RANGE:

Plain bored or keywayed wheels – 30°C to 80°C

Ball or taper roller bearinged wheels – 30°C to 80°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 6.2.

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 23-28.

Plain bore wheels are not drilled and tapped for greasing unless requested at time of order.

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.

FULL PART NUMBER FOR ORDERING

Axle Ø	Plain Bore	Ball Bearing
METRIC AXLE Ø		
25	NDF200/60/PBM25	NDF200/60/BJM25
30	NDF200/60/PBM30	

LOAD LIMITED BY BEARINGS TO: (1) 1140Kg

WHEEL TYPE:

NDF200/60

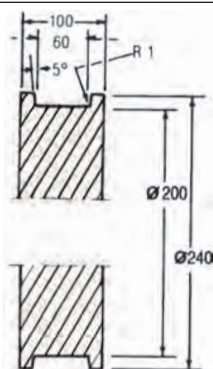
See table for full part number

Maximum load rating:

1960Kg

See page 21 for load factors

Approximate weight: **4Kg**



WHEEL TYPE:

NDF250/60

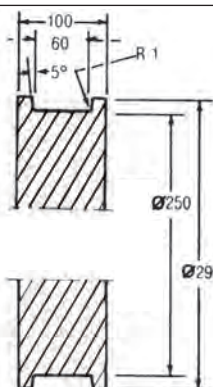
See table for full part number

Maximum load rating:

2453Kg

See page 21 for load factors

Approximate weight: **5.5Kg**



METRIC AXLE Ø

30	NDF250/60/PBM30	NDF250/60/BJM30
35	NDF250/60/PBM35	

LOAD LIMITED BY BEARINGS TO: (1) 2040Kg

Cast Nylon Double Flanged Rail Wheels

BRAUER[®]

WHEEL TYPE:

NDF300/60

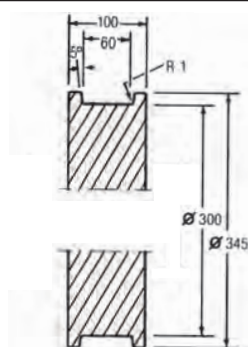
See table for full part number

Maximum load rating:

3530Kg

See page 21 for load factors

Approximate weight: **8Kg**



FULL PART NUMBER FOR ORDERING

Axle Ø	Plain Bore	Ball Bearing
METRIC AXLE Ø		
40	NDF300/60/PBM40	NDF300/60/BJM40
50	NDF300/60/PBM50	

LOAD LIMITED BY BEARINGS TO: (1) 3384Kg

WHEEL TYPE:

NDF350/60

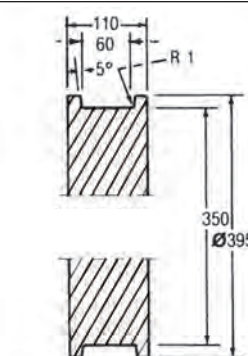
See table for full part number

Maximum load rating:

4120Kg

See page 21 for load factors

Approximate weight: **11Kg**



METRIC AXLE Ø

50	NDF350/60/PBM50	NDF350/60/BJM50
60	NDF350/60/PBM60	

WHEEL TYPE:

NDF400/60

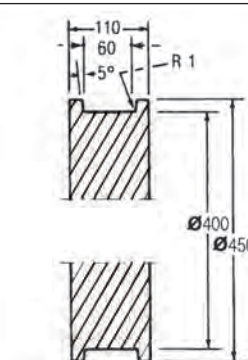
See table for full part number

Maximum load rating:

4770Kg

See page 21 for load factors

Approximate weight: **14Kg**



METRIC AXLE Ø

50	NDF400/60/PBM50	NDF400/60/BJM50
60	NDF400/60/PBM60	

LOAD LIMITED BY BEARINGS TO: (1) 4729Kg

CAST NYLON RANGE



Steel 90° 'V' grooved wheels offer an economic form of rail guidance being suitable for running on inverted angle iron rail.

MATERIAL: Steel to BS970: Part 1: 1983: 080 M40

Alternative bore/bearing diameters and alternative bearing types (i.e. bronze bushers, self-lubricating bushes, high temperature 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.

WHEEL TYPE:

SVT75/35

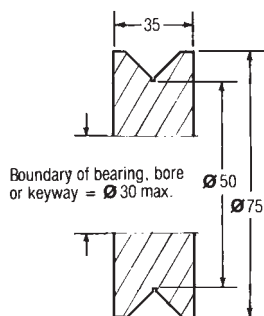
See table for full part number

Maximum load rating:

800Kg

See pages 23-26 for load factors

Approximate weight: 1Kg



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

WHEEL TYPE:

SVT100/40

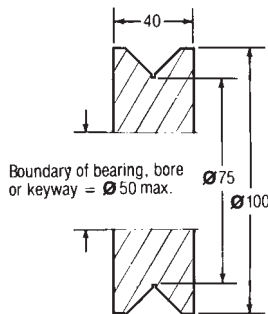
See table for full part number

Maximum load rating:

1100Kg

See pages 23-26 for load factors

Approximate weight: 2Kg



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

WHEEL TYPE:

SVT125/40

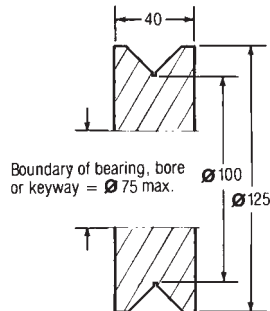
See table for full part number

Maximum load rating:

1500Kg

See pages 23-26 for load factors

Approximate weight: 3.4Kg



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				
12		SVT75/35/KM 12	SVT75/35/BJM 12 ⁽¹⁾	
20		SVT75/35/KM 20	SVT75/35/BJM 20	

LOAD LIMITED BY BEARINGS TO: (1) 570Kg

METRIC AXLE Ø

20		SVT100/40/KM 20	SVT100/40/BJM 20 ⁽¹⁾	
25		SVT100/40/KM 25	SVT100/40/BJM 25	

LOAD LIMITED BY BEARINGS TO: (1) 900Kg

METRIC AXLE Ø

20		SVT125/40/KM 20	SVT125/40/BJM 20 ⁽¹⁾	
25		SVT125/40/KM 25	SVT125/40/BJM 25 ⁽²⁾	
30		SVT125/40/KM 30	SVT125/40/BJM 30	

LOAD LIMITED BY BEARINGS TO: (1) 900Kg (2) 1140Kg

Steel 'V' Grooved Wheels

BRAUER®

WHEEL TYPE:

SVT150/45

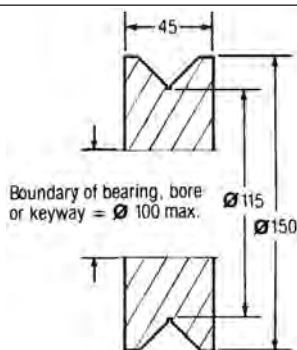
See table for full part number

Maximum load rating:

2200Kg

See pages 23-26 for load factors

Approximate weight: **5.2kg**



FULL PART NUMBER FOR ORDERING

Axle Ø	Plain Bore	Plain Bore Keywayed	Ball Bearing	Taper Roller Bearing
--------	------------	---------------------	--------------	----------------------

METRIC AXLE Ø

25		SVT150/45/KM 25	SVT150/45/BJM 25	
30		SVT150/45/KM 30	SVT150/45/BJM 30	
35		SVT150/45/KM 35	SVT150/45/BJM 35	

LOAD LIMITED BY BEARINGS TO: (1) 1140Kg (2) 2040Kg

WHEEL TYPE:

SVT200/50

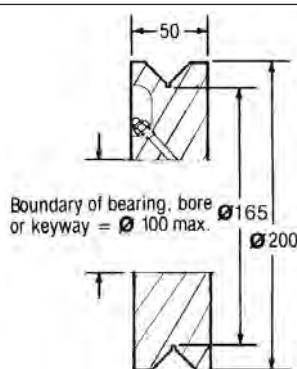
See table for full part number

Maximum load rating:

3000Kg

See pages 23-26 for load factors

Approximate weight: **11Kg**



METRIC AXLE Ø

30		SVT200/50/KM 30	SVT200/50/BJM 30	
35		SVT200/50/KM 35	SVT200/50/BJM 35	
40		SVT200/50/KM 40	SVT200/50/BJM 40	

LOAD LIMITED BY BEARINGS TO: (1) 2040Kg (2) 2800Kg

WHEEL TYPE:

SVT250/60

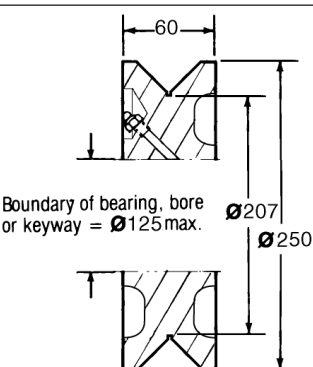
See table for full part number

Maximum load rating:

4750Kg

See pages 23-26 for load factors

Approximate weight: **23Kg**



METRIC AXLE Ø

35		SVT250/60/KM 35	SVT250/60/BJM 35	
40		SVT250/60/KM 40	SVT250/60/BJM 40	
50		SVT250/60/KM 50	SVT250/60/BJM 50	

LOAD LIMITED BY BEARINGS TO: (1) 2800Kg (2) 3384Kg

WHEEL TYPE:

SVT300/70

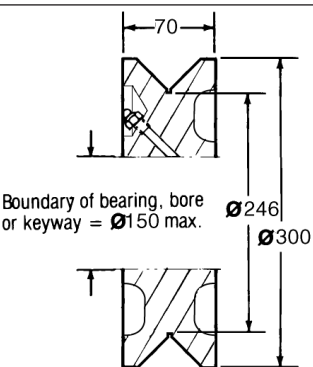
See table for full part number

Maximum load rating:

7100Kg

See pages 23-26 for load factors

Approximate weight: **38Kg**



METRIC AXLE Ø

40		SVT300/70/KM 40	SVT300/70/BJM 40	
50		SVT300/70/KM 50	SVT300/70/BJM 50	
60		SVT300/70/KM 60	SVT300/70/BJM 60	

LOAD LIMITED BY BEARINGS TO: (1) 3384Kg

STEEL 'V' GROOVED

Polyurethane Tyred Single Flanged Rail Wheels



Standard wheel features flanges with a 5° angle and a 'flat tread' (ie tread parallel to the wheel axis) for running on flat top rail. Polyurethane is resilient, durable material, resistant to abrasion and to many common chemicals. Polyurethane tyred wheels are capable of carrying heavy loads and of transmitting driving forces.

MATERIAL: Wheel Centre - Steel to BS970: Part 1: 1983: 080M40
Tyre - Polyester Based Polymer of 92° ± 3° Shore A Hardness

OPERATING TEMPERATURE RANGE:
-20°C to + 60°C (115°C for limited use)

PLEASE SPECIFY IF OPERATING IN HIGH HUMIDITY.

Anti-hydrolysis polyurethane is recommended for use in an operating environment of high humidity.

Polyurethane to the above hardness used on these wheels is Vulkollan, a high quality material that provides superior performance in most applications.

Should the mechanical properties of Vulkollan be inappropriate for the application, alternative grades of Polyurethane can be produced to meet the requirements. Polyurethane can be bonded onto most metal centres including aluminium, titanium, stainless steel and various ferrous and non-ferrous alloys.

The 'Maximum Load Rating' given for each wheel assumes the full tread width is in contact with the rail. In practice full contact with the rail across the tread width is rarely achieved due to:-

- Flange to rail clearance
- Wheel Overhang
- Rail Corner Radii

For calculation of the 'Maximum Allowable Load' see 'Design Data' Para 6.1

In addition the 'Maximum Load Rating' given for each wheel is for operation under ideal conditions.

Load factors must be applied according to the anticipated working conditions - see 'Design Data' Para 5.1

Alternative Bore/Bearing diameters and alternative bearing types (i.e) bronze bushes, self lubricating bushes, etc.) are available to order - see page 26-27.

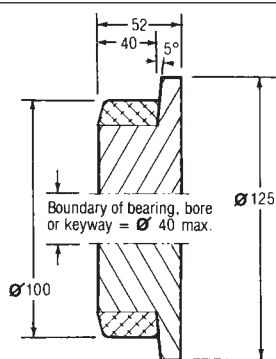
For technical information covering load factors, inertial and rolling resistance, chemical resistance, coefficients of friction between wheel and track and keyway dimensions, see 'Data Design' index on page 20.

WHEEL TYPE:
SFH100/40
See table for full part number

Maximum load rating:
450Kg

See 'Design Data' paras 5.1 and 6.1 for 'Maximum Allowable Load'.

Approximate weight: 2.7Kg



FULL PART NUMBER FOR ORDERING

Axle Ø	Plain Bore	Plain Bore Keywayed	Ball Bearing	Taper Roller Bearing
METRIC AXLE Ø				
12		SFH100/40/KM 12	SFH100/40/BJM 12	
20		SFH100/40/KM 20	SFH100/40/BJM 20	
25		SFH100/40/KM 25	SFH100/40/BJM 25	
30		SFH100/40/KM 30		

Wheels fitted with ball journals are pre-lubricated, double shielded. Alternatively greasing can be through the axle – state if this option is required when ordering.

Polyurethane Tyred Single Flanged Rail Wheels

BRAUER®

WHEEL TYPE:

SFH125/45

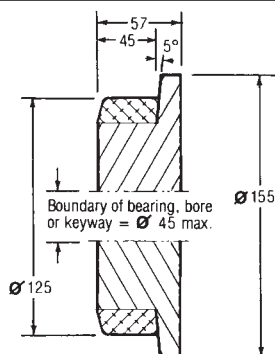
See table for full part number

Maximum load rating:

650Kg

See 'Design Data' paras 5.1 and 6.1 for 'Maximum Allowable Load'.

Approximate weight: **4.7Kg**



Wheels fitted with ball journals are pre-lubricated, double shielded. Alternatively greasing can be through the axle – state if this option is required when ordering.

WHEEL TYPE:

SFH150/50

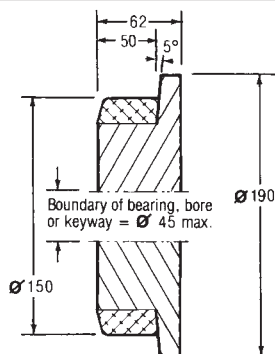
See table for full part number

Maximum load rating:

850Kg

See 'Design Data' paras 5.1 and 6.1 for 'Maximum Allowable Load'.

Approximate weight: **7.6Kg**



Wheels fitted with ball journals are pre-lubricated, double shielded. Alternatively greasing can be through the axle – state if this option is required when ordering.

WHEEL TYPE:

SFH200/60

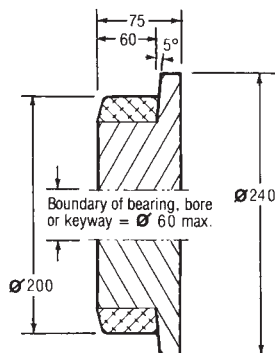
See table for full part number

Maximum load rating:

1400Kg

See 'Design Data' paras 5.1 and 6.1 for 'Maximum Allowable Load'.

Approximate weight: **17Kg**



Wheels fitted with ball journals are pre-lubricated, double shielded. Alternatively greasing can be through the axle – state if this option is required when ordering.

FULL PART NUMBER FOR ORDERING

Axle Ø	Plain Bore	Plain Bore Keywayed	Ball Bearing	Taper Roller Bearing
METRIC AXLE Ø				
12		SFH125/45/KM 12	SFH125/45/BJM 12	
20		SFH125/45/KM 20	SFH125/45/BJM 20	
25		SFH125/45/KM 25	SFH125/45/BJM 25	
30		SFH125/45/KM 30	SFH125/45/BJM 30	

LOAD LIMITED BY BEARINGS TO: (1) 570Kg

METRIC AXLE Ø				
20		SFH150/50/KM 20	SFH150/50/BJM 20	
25		SFH150/50/KM 25	SFH150/50/BJM 25	
30		SFH150/50/KM 30	SFH150/50/BJM 30	
35		SFH150/50/KM 35	SFH150/50/BJM 35	

METRIC AXLE Ø				
25		SFH200/60/KM 25	SFH200/60/BJM 25	
30		SFH200/60/KM 30	SFH200/60/BJM 30	
35		SFH200/60/KM 35	SFH200/60/BJM 35	
40		SFH200/60/KM 40	SFH200/60/BJM 40	

LOAD LIMITED BY BEARINGS TO: (1) 1140Kg

POLYURETHANE TYRED SINGLE-FLANGED

Single Flanged 'I' Beam & Channel Wheels - Flat Tread



Brauer has added a flat version to its popular "I" beam and channel radiused tread and wheel range. The new steel, **flat tread**, single flanged range is designed to suit parallel flanged channels and universal beams (to BS4, Part I 1993). The axles have been significantly upgraded to increase the load carrying capacity of the assembly.

MATERIAL: Steel to BS970: Part 1: 1983: 080M40

OPERATING TEMPERATURE RANGE:

-30°C to 120°C.

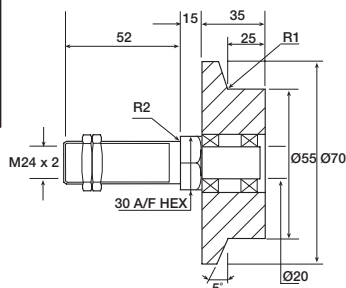
When shock loadings are to be withstood the 'maximum load rating' should be reduced by multiplying by a shock loading factor of 0.65.

PART NUMBER:
SSFF55/25/BJA

Maximum load rating:
370Kg

See pages 23-26 for load factors

Approximate weight: 1.1Kg

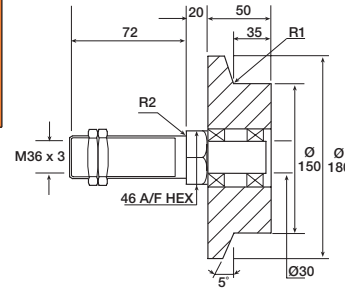


PART NUMBER:
SSFF150/35/BJA

Maximum load rating:
1500Kg

See pages 23-26 for load factors

Approximate weight: 7.5Kg

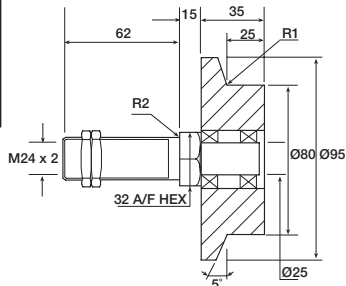


PART NUMBER:
SSFF80/25/BJA

Maximum load rating:
700Kg

See pages 23-26 for load factors

Approximate weight: 2Kg

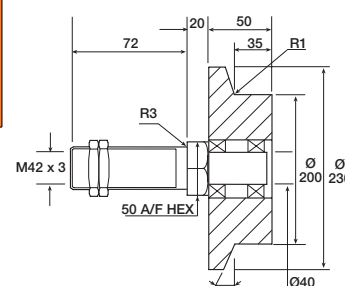


PART NUMBER:
SSFF200/35/BJA

Maximum load rating:
2000Kg

See pages 23-26 for load factors

Approximate weight: 12Kg

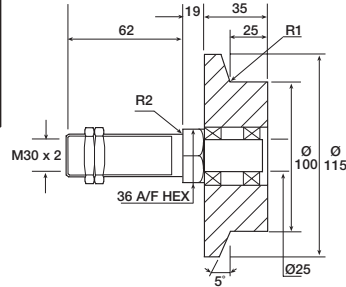


PART NUMBER:
SSFF100/25/BJA

Maximum load rating:
1000Kg

See pages 23-26 for load factors

Approximate weight: 4Kg



Single Flanged 'I' Beam & Channel Wheels - Radius Tread

BRAUER®



The SFR (cast iron) and SSFR (Steel) ranges of wheel assemblies have been designed to fit within standard sections of channel and 'I' beams. The radiused tread accommodates the angle of the section and improves the wear and tracking characteristics.

MATERIAL: SFR series – Cast iron to BS1452: 1977: Grade 200
SSFR series – Steel to BS970: Part 1: 1983: 080M40
Axles – Steel to BS970: Part 1: 1983: 606M36 or 605M36

OPERATING TEMPERATURE RANGE:
-30°C to 120°C.

SFR (cast iron) wheels are not suitable where substantial shock loads are to be withstood, and they have a limited service life in comparison with the equivalent SSFR wheel.

When shock loadings are to be withstood by either the SFR or SSFR ranges the 'maximum load rating' should be reduced by multiplying by a shock loading factor of 0.65.

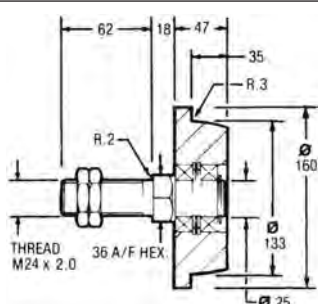
SFR CAST-IRON SERIES

PART NUMBER:
SFR133/35/BJA

Maximum load rating:
600Kg

See pages 23-26 for load factors

Approximate weight: 5Kg

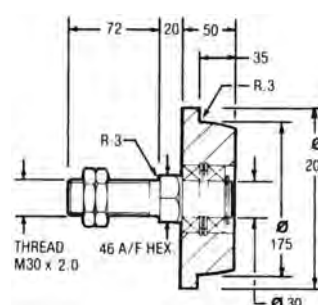


PART NUMBER:
SFR175/35/BJA

Maximum load rating:
800Kg

See pages 23-26 for load factors

Approximate weight: 8Kg



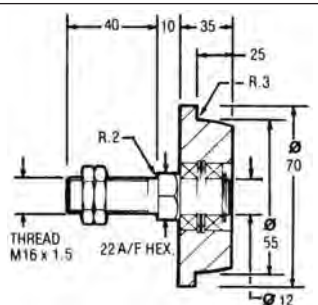
SSFR STEEL SERIES

PART NUMBER:
SSFR55/25/BJA

Maximum load rating:
160Kg

See pages 23-26 for load factors

Approximate weight: 1Kg



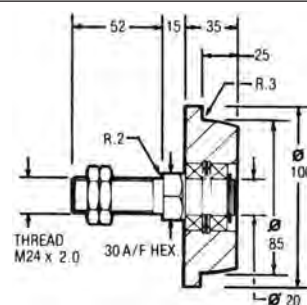
PART NUMBER:
SSFR85/25/BJA

Maximum load rating:

370Kg

See pages 23-26 for load factors

Approximate weight: 2.5Kg



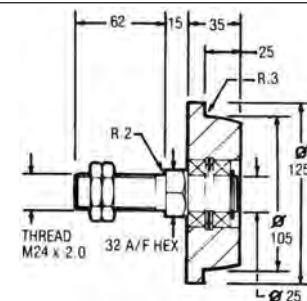
PART NUMBER:
SSFR105/25/BJA

Maximum load rating:

700Kg

See pages 23-26 for load factors

Approximate weight: 4kg



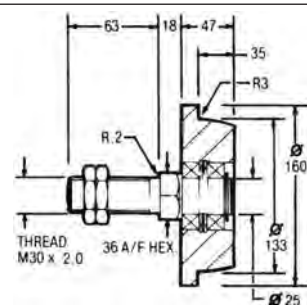
PART NUMBER:
SSFR133/35/BJA

Maximum load rating:

1000Kg

See pages 23-26 for load factors

Approximate weight: 7Kg

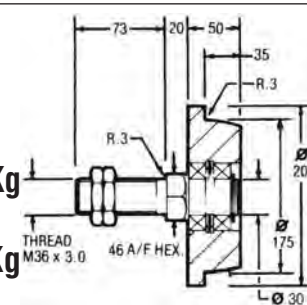


PART NUMBER:
SSFR175/35/BJA

Maximum load rating: 1500Kg

See pages 23-26 for load factors

Approximate weight: 11.5Kg



SINGLE FLANGED 'I' BEAM & CHANNEL