



Brauer HEAVITHANE™ 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 – cast iron to BS1452: 1977: Grade 200 or steel to BS970: Part 1: 1983: 080M40.
Tyre – Polyester based polymer of 92° ± 3° A Shore 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 standard 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 is for operation under ideal conditions. Load factors must be applied according to the anticipated working conditions – see 'Design Data' para. 5.1.

For wheels of larger diameter or greater load capacity see the PH series on pages 81-84. 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, chemical resistance, inertial and rolling resistance, coefficients of friction between wheel and surface, and keyway dimensions, see "Design Data" Index on page 20.

Drawings show grease nipple but standard wheels do not come with grease nipple unless specifically requested.

Tyres can be produced with crown/dome treads to suit specific applications.

ALLOWABLE LOADS @ 6KPH

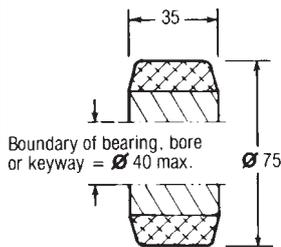
WHEEL TYPE:
H75/35

See table for full part number

Maximum load rating:
300Kg

See page 22 for load factors

Approximate weight: 0.5Kg



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

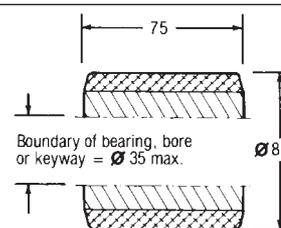
WHEEL TYPE:
H85/75

See table for full part number

Maximum load rating:
700Kg

See page 22 for load factors

Approximate weight: 0.6Kg



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 | H75/35/PBM 12 | H75/35/KM 12 | H75/35/BJM 12 | |
| 20 | H75/35/PBM 20 | H75/35/KM 20 | H75/35/BJM 20 | |
| 25 | H75/35/PBM 25 | H75/35/KM 25 | | |
| 30 | H75/35/PBM 30 | H75/35/KM 30 | | |

| METRIC AXLE Ø | | | | |
|----------------------|-----|--|---------------|--|
| 20 | N/A | | H85/75/BJM 20 | |

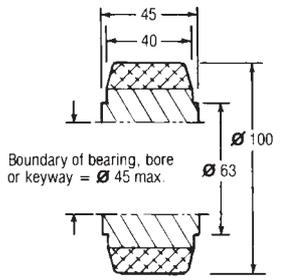
Polyurethane Tyred Wheels



Drawings show grease nipple but standard wheels do not come with grease nipple unless specifically requested.

WHEEL TYPE:
H100/40
See table for full part number

Maximum load rating:
450Kg
See page 22 for load factors
Approximate weight: 1.5Kg

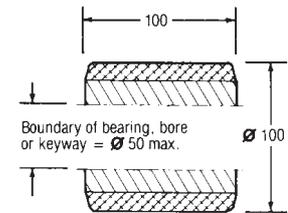


| FULL PART NUMBER FOR ORDERING | | | | |
|---|----------------|---------------------|----------------|----------------------|
| Axle \varnothing | Plain Bore | Plain Bore Keywayed | Ball Bearing | Taper Roller Bearing |
| METRIC AXLE \varnothing | | | | |
| 12 | H100/40/PBM 12 | H100/40/KM 12 | H100/40/BJM 12 | |
| 20 | H100/40/PBM 20 | H100/40/KM 20 | H100/40/BJM 20 | |
| 25 | H100/40/PBM 25 | H100/40/KM 25 | H100/40/BJM 25 | |
| 30 | H100/40/PBM 30 | H100/40/KM 30 | | |
| 35 | H100/40/PBM 35 | H100/40/KM 35 | | |

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

WHEEL TYPE:
H100/100
See table for full part number

Maximum load rating:
1100Kg
See page 22 for load factors
Approximate weight: 5Kg



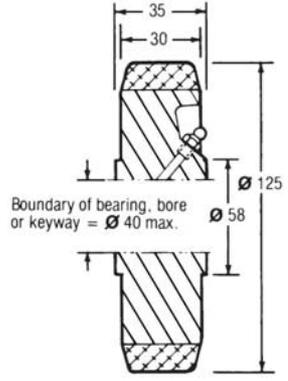
| METRIC AXLE \varnothing | | | | |
|---------------------------|-----|----------------|-----------------|-----------------|
| 20 | N/A | | H100/100/BJM 20 | H100/100/TBM 20 |
| 25 | N/A | | H100/100/BJM 25 | H100/100/TBM 25 |
| 30 | N/A | | H100/100/BJM 30 | H100/100/TBM 30 |
| 35 | N/A | H100/100/KM 35 | | |

LOAD LIMITED BY BEARINGS TO: (1) 900Kg

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

WHEEL TYPE:
H125/30
See table for full part number

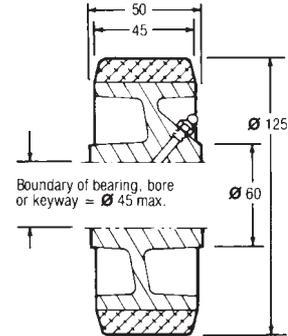
Maximum load rating:
400Kg
See page 22 for load factors
Approximate weight: 1.5Kg



| METRIC AXLE \varnothing | | | | |
|---------------------------|----------------|---------------|----------------|--|
| 20 | H125/30/PBM 20 | H125/30/KM 20 | H125/30/BJM 20 | |
| 25 | H125/30/PBM 25 | H125/30/KM 25 | H125/30/BJM 25 | |
| 30 | H125/30/PBM 30 | H125/30/KM 30 | | |
| 35 | H125/30/PBM 35 | H125/30/KM 35 | | |

WHEEL TYPE:
H125/45
See table for full part number

Maximum load rating:
600Kg
See page 22 for load factors
Approximate weight: 2Kg



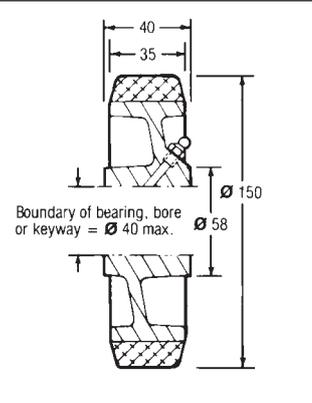
| METRIC AXLE \varnothing | | | | |
|---------------------------|----------------|---------------|----------------|--|
| 25 | H125/45/PBM 25 | H125/45/KM 25 | H125/45/BJM 25 | |
| 30 | H125/45/PBM 30 | H125/45/KM 30 | | |
| 35 | H125/45/PBM 35 | H125/45/KM 35 | | |

POLYURETHANE TYRED WHEELS

WHEEL TYPE:
H150/35
See table for full part number

Maximum load rating:
600Kg
See page 22 for load factors

Approximate weight: 2Kg

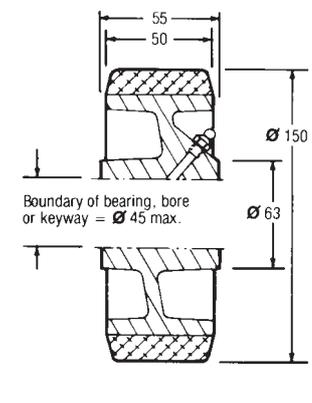


| FULL PART NUMBER FOR ORDERING | | | | |
|-------------------------------|----------------|---------------------|----------------|----------------------|
| Axle Ø | Plain Bore | Plain Bore Keywayed | Ball Bearing | Taper Roller Bearing |
| METRIC AXLE Ø | | | | |
| 20 | H150/35/PBM 20 | H150/35/KM 20 | H150/35/BJM 20 | |
| 25 | H150/35/PBM 25 | H150/35/KM 25 | H150/35/BJM 25 | |
| 30 | H150/35/PBM 30 | H150/35/KM 30 | | |

WHEEL TYPE:
H150/50
See table for full part number

Maximum load rating:
900Kg
See page 22 for load factors

Approximate weight: 3Kg



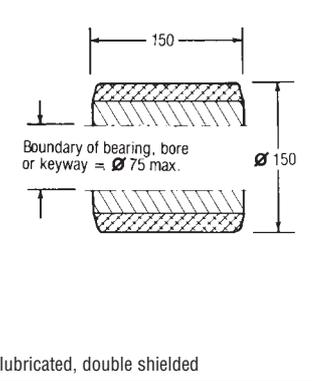
| METRIC AXLE Ø | | | | |
|----------------------|----------------|---------------|----------------|----------------|
| 25 | H150/50/PBM 25 | H150/50/KM 25 | H150/50/BJM 25 | H150/50/TBM 25 |
| 30 | H150/50/PBM 30 | H150/50/KM 30 | | |
| 35 | H150/50/PBM 35 | H150/50/KM 35 | | |

WHEEL TYPE:
H150/150
See table for full part number

Maximum load rating:
2300Kg
See page 22 for load factors

Approximate weight: 7Kg

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



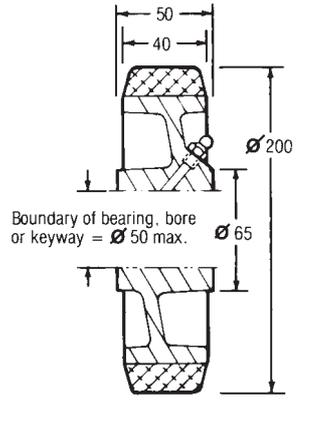
| METRIC AXLE Ø | | | | |
|----------------------|-----|----------------|--------------------------------|-----------------|
| 25 | N/A | | H150/150/BJM 25 ⁽¹⁾ | H150/150/TBM 25 |
| 30 | N/A | | H150/150/BJM 30 ⁽²⁾ | H150/150/TBM 30 |
| 35 | N/A | H150/150/KM 35 | H150/150/BJM 35 | H150/150/TBM 35 |

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

WHEEL TYPE:
H200/40
See table for full part number

Maximum load rating:
900Kg
See page 22 for load factors

Approximate weight: 4Kg



| METRIC AXLE Ø | | | | |
|----------------------|----------------|---------------|----------------|----------------|
| 25 | H200/40/PBM 25 | H200/40/KM 25 | H200/40/BJM 25 | H200/40/TBM 25 |
| 30 | H200/40/PBM 30 | H200/40/KM 30 | H200/40/BJM 30 | H200/40/TBM 30 |
| 35 | H200/40/PBM 35 | H200/40/KM 35 | | |
| 40 | H200/40/PBM 40 | H200/40/KM 40 | | |

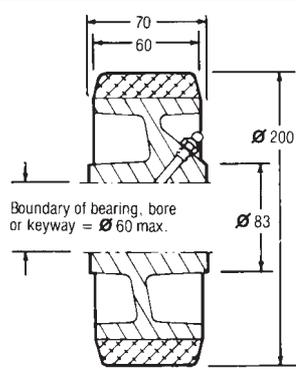
Polyurethane Tyred Wheels



WHEEL TYPE:
H200/60
See table for full part number

Maximum load rating:
1400Kg
See page 22 for load factors

Approximate weight: 7Kg

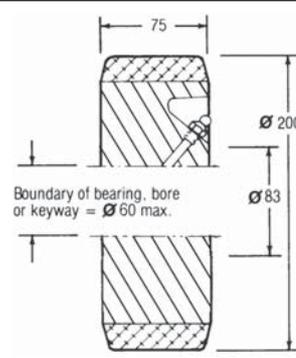


| FULL PART NUMBER FOR ORDERING | | | | |
|-------------------------------|----------------|---------------------|----------------|----------------------|
| Axle Ø | Plain Bore | Plain Bore Keywayed | Ball Bearing | Taper Roller Bearing |
| METRIC AXLE Ø | | | | |
| 30 | H200/60/PBM 30 | H200/60/KM 30 | H200/60/BJM 30 | H200/60/TBM 30 |
| 35 | H200/60/PBM 35 | H200/60/KM 35 | | H200/60/TBM 35 |
| 40 | H200/60/PBM 40 | H200/60/KM 40 | | |

WHEEL TYPE:
H200/75
See table for full part number

Maximum load rating:
1750Kg
See page 22 for load factors

Approximate weight: 14.4Kg



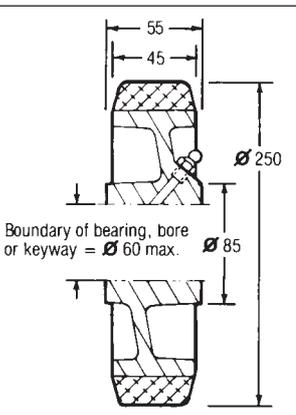
| METRIC AXLE Ø | | | | |
|---------------|--|---------------|----------------|----------------|
| 25 | | H200/75/KM 25 | H200/75/BJM 25 | H200/75/TBM 25 |
| 30 | | H200/75/KM 30 | H200/75/BJM 30 | H200/75/TBM 30 |
| 35 | | H200/75/KM 35 | | |
| 40 | | H200/75/KM 40 | | |

LOAD LIMITED BY BEARINGS TO: (1) 1140Kg

WHEEL TYPE:
H250/45
See table for full part number

Maximum load rating:
1300Kg
See page 22 for load factors

Approximate weight: 7Kg

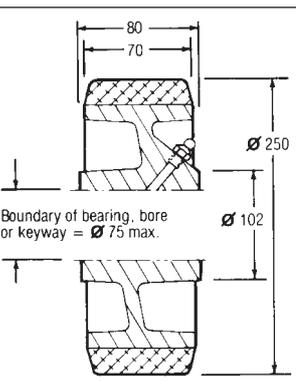


| METRIC AXLE Ø | | | | |
|---------------|----------------|---------------|----------------|----------------|
| 30 | H250/45/PBM 30 | H250/45/KM 30 | H250/45/BJM 30 | H250/45/TBM 30 |
| 35 | H250/45/PBM 35 | H250/45/KM 35 | | H250/45/TBM 35 |
| 40 | H250/45/PBM 40 | H250/45/KM 40 | | |

WHEEL TYPE:
H250/70
See table for full part number

Maximum load rating:
2000Kg
See page 22 for load factors

Approximate weight: 12Kg



| METRIC AXLE Ø | | | | |
|---------------|----------------|---------------|----------------|----------------|
| 30 | H250/70/PBM 30 | H250/70/KM 30 | H250/70/BJM 30 | H250/70/TBM 30 |
| 35 | H250/70/PBM 35 | H250/70/KM 35 | H250/70/BJM 35 | H250/70/TBM 35 |
| 40 | H250/70/PBM 40 | H250/70/KM 40 | | |
| 50 | H250/70/PBM 50 | H250/70/KM 50 | | |

POLYURETHANE TYRED WHEELS

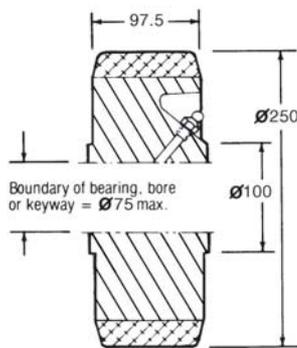
WHEEL TYPE:
H250/97.5

See table for full part number

Maximum load rating:
2700Kg

See page 22 for load factors

Approximate weight: 19.5Kg



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

FULL PART NUMBER FOR ORDERING

| Axle \varnothing | Plain Bore | Plain Bore Keywayed | Ball Bearing | Taper Roller Bearing |
|---|------------------|---------------------|------------------|----------------------|
| METRIC AXLE \varnothing | | | | |
| 40 | H250/97.5/PBM 40 | H250/97.5/KM 40 | H250/97.5/BJM 40 | H250/97.5/TBM 40 |
| 50 | H250/97.5/PBM 50 | H250/97.5/KM 50 | H250/97.5/BJM 50 | H250/97.5/TBM 50 |

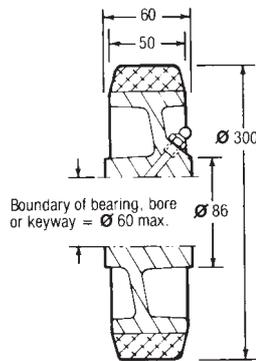
WHEEL TYPE:
H300/50

See table for full part number

Maximum load rating:
1500Kg

See page 22 for load factors

Approximate weight: 10Kg



| METRIC AXLE \varnothing | | | | |
|---|----------------|---------------|----------------|----------------|
| 30 | H300/50/PBM 30 | H300/50/KM 30 | H300/50/BJM 30 | H300/50/TBM 30 |
| 35 | H300/50/PBM 35 | H300/50/KM 35 | H300/50/BJM 35 | H300/50/TBM 35 |
| 40 | H300/50/PBM 40 | H300/50/KM 40 | | |
| 50 | H300/50/PBM 50 | H300/50/KM 50 | | |

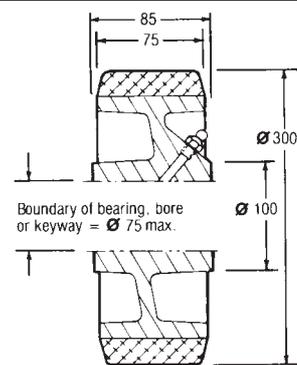
WHEEL TYPE:
H300/75

See table for full part number

Maximum load rating:
2300Kg

See page 22 for load factors

Approximate weight: 16Kg



| METRIC AXLE \varnothing | | | | |
|---|----------------|---------------|----------------|----------------|
| 35 | H300/75/PBM 35 | H300/75/KM 35 | H300/75/BJM 35 | H300/75/TBM 35 |
| 40 | H300/75/PBM 40 | H300/75/KM 40 | H300/75/BJM 40 | H300/75/TBM 40 |
| 50 | H300/75/PBM 50 | H300/75/KM 50 | | |
| 60 | H300/75/PBM 60 | H300/75/KM 60 | | |

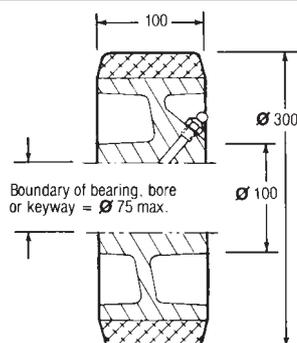
WHEEL TYPE:
H300/100

See table for full part number

Maximum load rating:
3100Kg

See page 22 for load factors

Approximate weight: 18Kg



| METRIC AXLE \varnothing | | | | |
|---|-----------------|----------------|-----------------|-----------------|
| 40 | H300/100/PBM 40 | H300/100/KM 40 | H300/100/BJM 40 | H300/100/TBM 40 |
| 50 | H300/100/PBM 50 | H300/100/KM 50 | H300/100/BJM 50 | H300/100/TBM 50 |
| 60 | H300/100/PBM 60 | H300/100/KM 60 | | |

Polyurethane Tyred Wheels



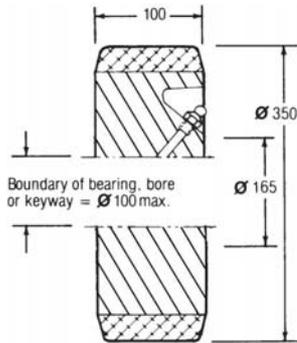
WHEEL TYPE: H350/100

See table for full part number

Maximum load rating:
3600Kg

See page 22 for load factors

Approximate weight: **52Kg**



FULL PART NUMBER FOR ORDERING

| Axle Ø | Plain Bore | Plain Bore Keywayed | Ball Bearing | Taper Roller Bearing |
|----------------------|------------|---------------------|-----------------|----------------------|
| METRIC AXLE Ø | | | | |
| 40 | | H350/100/KM 40 | H350/100/BJM 40 | H350/100/TBM 40 |
| 50 | | H350/100/KM 50 | H350/100/BJM 50 | H350/100/TBM 50 |
| 60 | | H350/100/KM 60 | H350/100/BJM 60 | H350/100/TBM 60 |

LOAD LIMITED BY BEARINGS TO: (1) 3384Kg

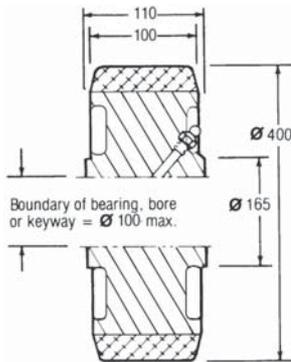
WHEEL TYPE: H400/100

See table for full part number

Maximum load rating:
4200Kg

See page 22 for load factors

Approximate weight: **39.5Kg**



| METRIC AXLE Ø | | | | |
|----------------------|-----------------|----------------|-----------------|-----------------|
| 50 | H400/100/PBM 50 | H400/100/KM 50 | H400/100/BJM 50 | H400/100/TBM 50 |
| 60 | H400/100/PBM 60 | H400/100/KM 60 | H400/100/BJM 60 | H400/100/TBM 60 |
| 75 | H400/100/PBM 75 | H400/100/KM 75 | H400/100/BJM 75 | H400/100/TBM 75 |

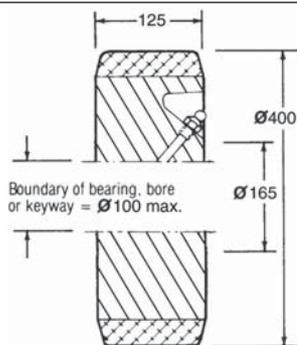
WHEEL TYPE: H400/125

See table for full part number

Maximum load rating:
5200Kg

See page 22 for load factors

Approximate weight: **48.5Kg**



| METRIC AXLE Ø | | | | |
|----------------------|-----------------|----------------|-----------------|-----------------|
| 50 | H400/125/PBM 50 | H400/125/KM 50 | H400/125/BJM 50 | H400/125/TBM 50 |
| 60 | H400/125/PBM 60 | H400/125/KM 60 | H400/125/BJM 60 | H400/125/TBM 60 |
| 75 | H400/125/PBM 75 | H400/125/KM 75 | H400/125/BJM 75 | H400/125/TBM 75 |

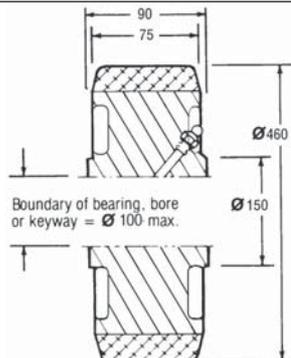
WHEEL TYPE: H460/75

See table for full part number

Maximum load rating:
3500Kg

See page 22 for load factors

Approximate weight: **40Kg**



| METRIC AXLE Ø | | | | |
|----------------------|----------------|---------------|----------------|----------------|
| 50 | H460/75/PBM 50 | H460/75/KM 50 | H460/75/BJM 50 | |
| 60 | H460/75/PBM 60 | H460/75/KM 60 | H460/75/BJM 60 | H460/75/TBM 60 |
| 75 | | | H460/75/BJM 75 | H460/75/TBM 75 |

POLYURETHANE TYRED WHEELS