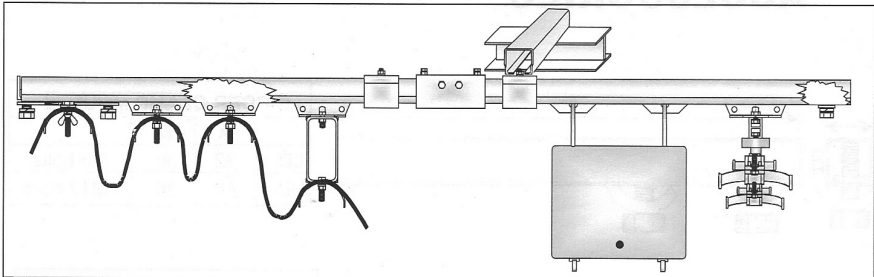


C-TRACK SYSTEM-LIGHT DUTY



CT-T

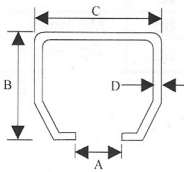
C-TRACK RAIL

| | |
|---------------------|-----|
| A | 11 |
| B | 30 |
| C | 32 |
| D | 1.6 |
| Weight = 1.55kg/m | |
| Supply lengths = 5m | |

PERMISSIBLE AREA LOAD/m

| SUPPORT SPACING | | | | | | |
|-----------------|-----|-----|----|-----|----|-----|
| m | 1 | 1.5 | 2 | 2.5 | 3 | 3.5 |
| kg | 116 | 69 | 40 | 25 | 18 | 13 |

CT/0100

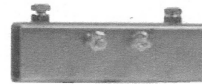
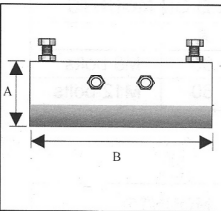


CT-JS

- LD JOINT SET

Material Galvanized steel
Weight 0.295kg
Application To join rail sections

A = 38
B = 100

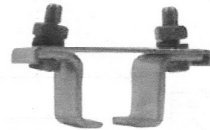
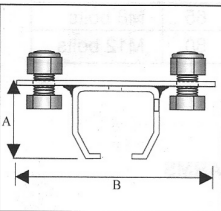


CT-RS

- LD RAIL SUPPORT

Material Galvanized steel
Weight 0.156kg
Max load 63kg
Application To support C-rails

A = 32
B = 80

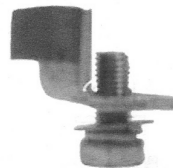
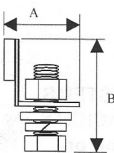


CT-ES

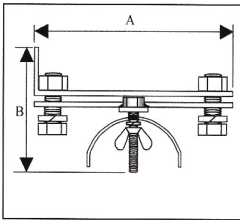
- LD END STOP

Material Galvanized steel
Weight 0.044kg

A = 20
B = 32

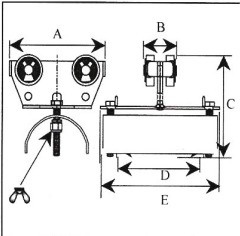
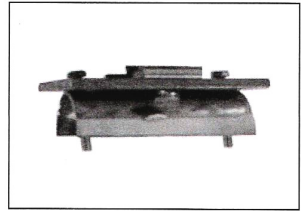


C-TRACK SYSTEM-LIGHT DUTY



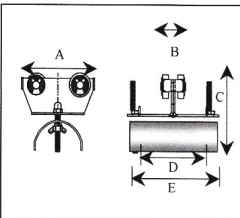
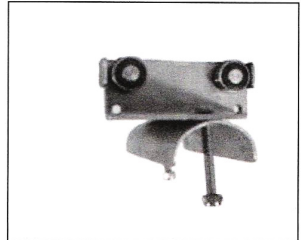
CT-EC END CLAMP

Material Galvanized steel
 Weight 0.660kg
 A = 80
 B = 70



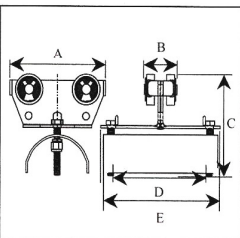
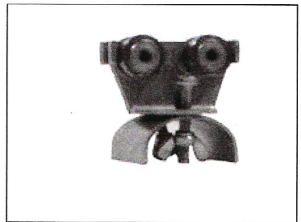
CT-C1 C-TRACK CARRIER type MDS 95/F

Material 2mm galvanized steel
 Rollers Sealed ball bearings
 Cable width 68
 Weight 0.490kg
 Max cable load 22kg/carrier
 A = 85
 B = 25
 C = 67
 D = 95
 E = 103



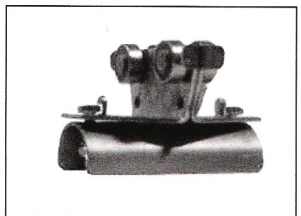
CT-C2 C-TRACK CARRIER type LD-T/50/F

Material 2mm galvanized steel
 Rollers Sealed ball bearings
 Cable width 30
 Weight 0.490kg
 Max cable load 22kg/carrier
 A = 65
 B = 85
 C = 25
 D = 30
 E = 54

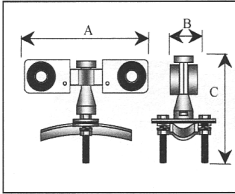


CT-C3 C-TRACK CARRIER type MD 90/F

Material 2mm galvanized steel
 Rollers Sealed ball bearings
 Cable width 68
 Weight 0.490kg
 Max cable load 22kg/carrier
 A = 85
 B = 25
 C = 99
 D = 68
 E = 94



C-TRACK SYSTEM-LIGHT DUTY



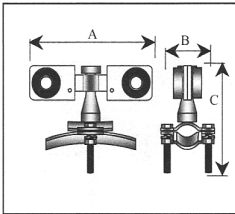
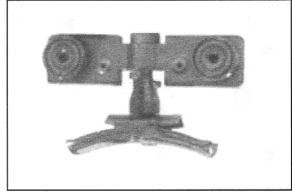
CT-C4 — C-TRACK CARRIER

Material 2mm galvanized steel
 Rollers Sealed ball bearings
 Cable width 8 - 20 mm
 Weight 0.490kg
 Max cable load 22kg/carrier

A = 103

B = 28

C = 55



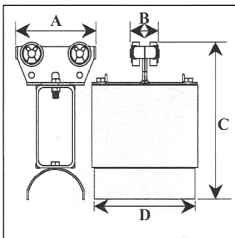
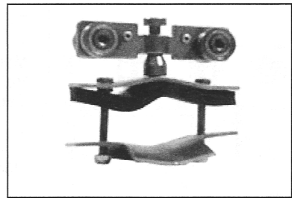
CT-C5 — C-TRACK CARRIER

Material 2mm galvanized steel
 Rollers Sealed ball bearings
 Cable width 15 - 35 mm
 Weight 0.490kg
 Max cable load 22kg/carrier

A = 95

B = 26

C = 90



CT-MC — LD MASTER CARRIER

Material 2mm galvanized steel
 Rollers Sealed ball bearings

Weight 0.730kg

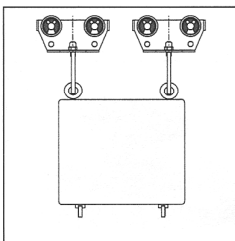
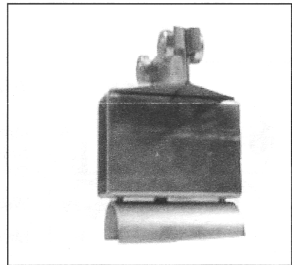
A = 85

B = 25

C = 143

D = 95

* Master box available separately

* Also available in: 3-CT/0710
3-CT/0720

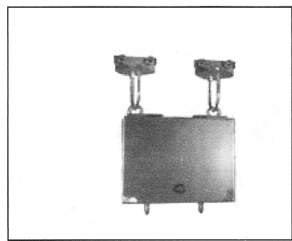
CT-MB — LD MOBILE BOX

Material Galvanized steel

Weight 2.3kg

Max load 44kg

* Mobile box available separately



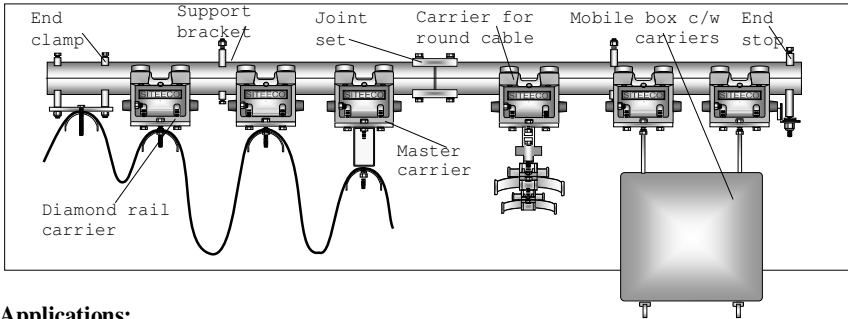
Note — It is recommended to use strain relief rope/chain between the carriers to prevent damage to the cables.

For support brackets, see page 19.

— When designing a festoon system, the ambush area/parking area must be taken into account.

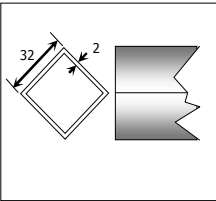
— **Light Duty C-track system also available in Stainless Steel** —

DIAMOND RAIL SYSTEM



Applications:

1. Very dusty/dirty environments
2. Applications where rail must be bent around curve
3. Medium to heavy duty.



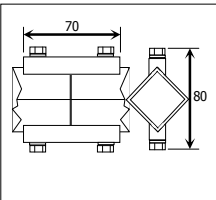
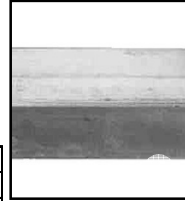
DR-T RAIL SECTION

Material 2mm
galvanized steel
Supply lengths 6 meters

Weight 11kg
Min bending radius 1000mm

Other support centres and permissible area loads

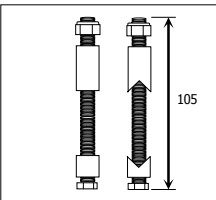
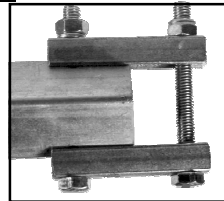
| Support spacing | 1m | 1.5m | 2m |
|------------------|-------|------|------|
| Perm area load/m | 111kg | 74kg | 47kg |



DR-JS JOINT SET

Material Galvanized steel

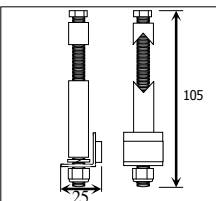
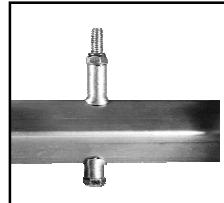
Weight 125g
Application To join rail sections



DR-RS RAIL SUPPORT

Material Galvanized steel

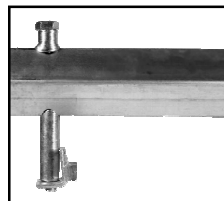
Weight 110g
Application To support rail sections



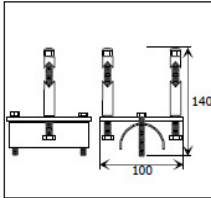
DR-ES END STOP

Material Galvanized steel

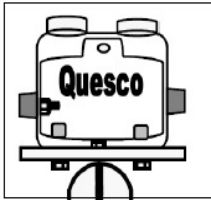
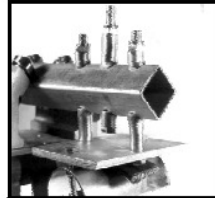
Weight 120g



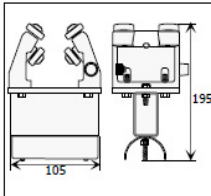
...Square Rail System (DIAMOND SYSTEM)



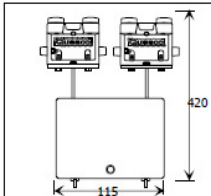
P/n DR--EC END CLAMP
Material Galvanized steel
Weight 0.70 kg



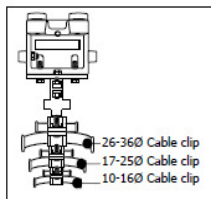
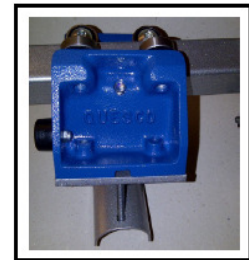
P/n DR--C Cable Carrier
Material Galvanized steel
 Sides = aluminium castings
Rollers Sealed ball bearings
Load capacity 50kg
Weight 1.190 kg



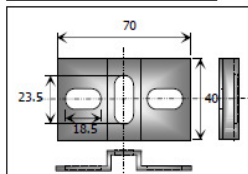
P/n DR--MC MASTER CARRIER
Material Galvanized steel
 Sides = aluminium castings
Rollers Sealed ball bearings
Load capacity 50kg



P/n DR--MB MOBILE BOX C/W CARRIERS
Material Galvanized steel
Load capacity 100kg
Weight 5.9kg
Application Carry pendant cable and pendant station



CARRIER FOR ROUND CABLE
Material Galvanized steel
Weight +- 1.42kg depending on the assembly
Application Specially for use on round cables and air/hydraulic hoses
Max load 20kg



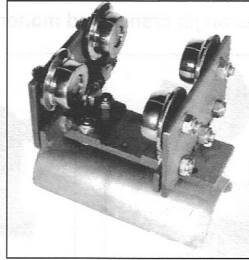
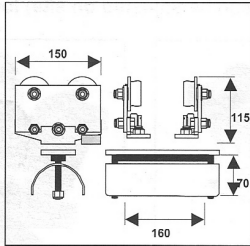
P/n DR--AB ADJUSTING BRACKET
Material Galvanized steel
Application Used to align rail and hangers where brackets are difficult to align, eg where system has bends

Note – It is recommended to use strain relief rope/chain between the carriers to prevent damage to the cables.

- When designing a festoon system, the ambush area/parking area must be taken into account.

FLANGED WHEEL I-BEAM CARRIERS

Light to medium duty



Type IB100

Use 4-6mm leader chain

5.38kg

Specification:

| | |
|----------------|--|
| Cable capacity | 160 wide x30mm 150kg max |
| Carrier size | 200 long x200 wide |
| Wheels | Flanged wheel, tread dia 45 anti tip bearings |

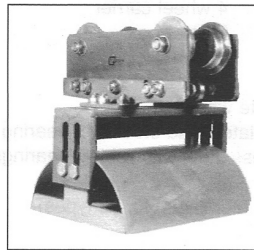
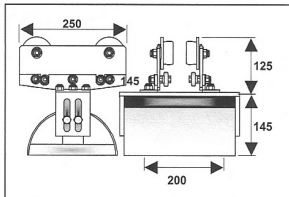
Part numbers

| | |
|------------|---------------------|
| IB100 C | Carrier |
| IB 100AC | Anchor clamp |
| IB 100WC | Weld on master dome |
| IBM 100 MC | Master carrier |

Accessories

Rubber buffers plate
Auxiliary cable clamps

Flanged wheel I-Beam
carriers are also available
in Stainless Steel



Type IBM210

Use 4-6mm leader chain

12.4kg

Specification:

| | |
|----------------|---|
| Cable capacity | 180 wide x50mm 250kg max |
| Carrier size | 250 long x280 wide |
| Wheels | Flanged wheel, tread dia 55 with 4 anti tip bearings |

Part numbers

| | |
|------------|---------------------|
| IBM 210C | Carrier |
| IB 210AC | Anchor clamp |
| IB 210 WC | Weld on master dome |
| IBM 210 MC | Master carrier |

Accessories

Rubber buffers
Auxiliary cable clamps

Type IBH210

Use 6mm leader chain

14.0kg

Specification:

| | |
|----------------|---|
| Cable capacity | 180 wide x50mm 350kg max |
| Carrier size | 250 long x280 wide |
| Wheels | Flanged wheel, tread dia 85 with 4 anti tip bearings |

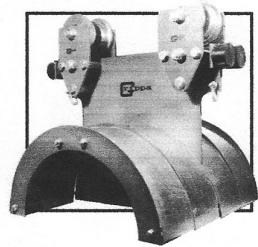
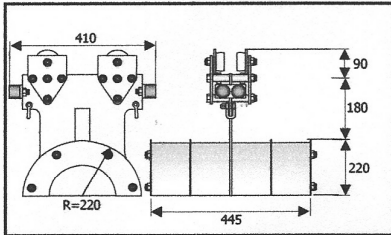
Part numbers

| | |
|------------|---------------------|
| IBH 210C | Carrier |
| IB 210AC | Anchor clamp |
| IB 210 WC | Weld on master dome |
| IBM 210 MC | Master carrier |

Accessories

Rubber buffers
Auxiliary cable clamps

FLANGED WHEEL HEAVY DUTY I-BEAM CARRIER



Type IBH440

Specification:

| | |
|----------------|--|
| Cable capacity | Ø60mm max 400kg |
| Carrier size | 480longx490highx410wide |
| Dome size | Ø440mm |
| Dome width | 2x110mm extensions on width in multiples of 2 |
| Wheels | Flanged wheel, tread 85mm with 4 anti tip bearings |
| Buffers | 4x Ø40 |

Part numbers

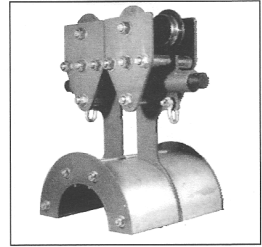
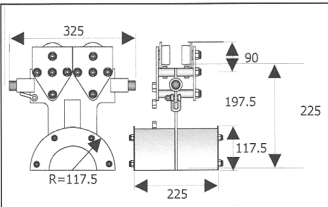
| | |
|-------------|------------------------------|
| IBH440 C | Carrier |
| IB 440EC | Anchor clamp |
| IB 440WC | Weld on master dome |
| IBH 440 MC | Master carrier |
| IB 440 D | Additional dome (set of 2) |
| Accessories | 220mm auxiliary cable clamps |

Special options

1. High temperature (80°) application
Sealed wheels with grease nipples, grease to suit application.
2. Stainless steel applications on request

- When designing a festoon system, the ambush area/parking area must be taken into account.

FLANGED WHEEL HEAVY DUTY I-BEAM CARRIER



Type *IBM235* **19.4kg**

Specification:

| | |
|----------------|--|
| Cable capacity | Ø30mm max 250kg |
| Carrier size | 260 long x335 high x240 wide |
| Dome size | Ø235mm |
| Dome width | 2x110mm extensions on width in multiples of 2 |
| Wheels | Flanged wheel, tread 55mm with 4 anti tip bearings |
| Buffers | 4x Ø30 |

Part numbers

| | |
|------------|----------------------------|
| IBM235 C | Carrier |
| iB 235EC | Anchor clamp |
| IB 235WC | Weld on master dome |
| IBM 235 MC | Master carrier |
| IB 235 D | Additional dome (set of 2) |

Accessories 220 auxiliary cable clamps

Type *IBH235* **22.4kg**

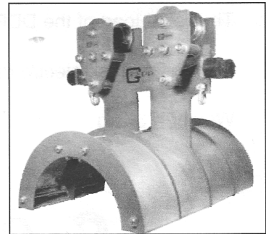
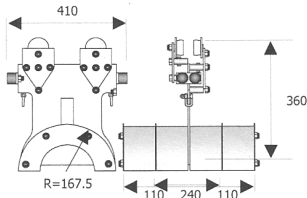
Specification:

| | |
|----------------|--|
| Cable capacity | Ø30mm max 350kg |
| Carrier size | 260 long x405 high x220 wide |
| Dome size | Ø235mm |
| Dome width | 2x110mm extensions on width in multiples of 2 |
| Wheels | Flanged wheel, tread 85mm with 4 anti tip bearings |
| Buffers | 4x Ø30 |

Part numbers

| | |
|-----------|----------------------------|
| IBH235 C | Carrier |
| IB 235EC | Anchor clamp |
| IB 235WC | Weld on master dome |
| IBH235 MC | Master carrier |
| IB 235 D | Additional dome (set of 2) |

Accessories 220 auxiliary cable clamps



Type *IBM335* **26kg**

Specification:

| | |
|----------------|--|
| Cable capacity | Ø40mm max 250kg |
| Carrier size | 380 long x385 high x220 wide |
| Dome size | Ø335mm |
| Dome width | 2x110mm extensions on width in multiples of 2 |
| Wheel | Flanged wheel, tread 55mm with 4 anti tip bearings |
| Buffers | 4x Ø30 |

Part numbers

| | |
|------------|----------------------------|
| IBM335 C | Carrier |
| IB 335EC | Anchor clamp |
| IB 335WC | Weld on master dome |
| IBM 335 MC | Master carrier |
| IB 335 D | Additional dome (set of 2) |

Accessories 220 auxiliary cable clamps

Type *IBH335* **28kg**

Specification:

| | |
|----------------|--|
| Cable capacity | Ø30mm max 350kg |
| Carrier size | 260 long x405 high |
| Dome size | Ø335mm |
| Dome width | 2x110mm extensions on width in multiples of 2 |
| Wheel buffers | Flanged wheel, tread 85mm with 4 anti tip bearings |
| Buffers | 4x Ø30 |

Part numbers

| | |
|-----------|----------------------------|
| IBH335 C | Carrier |
| IB 335EC | Anchor clamp |
| IB 335WC | Weld on master dome |
| IBH335 MC | Master carrier |
| IB 335 D | Additional dome (set of 2) |

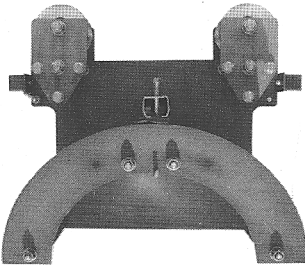
Accessories 220 auxiliary cable clamps

FLANGED WHEEL HEAVY DUTY I-BEAM CARRIER

| | | |
|----------------------|--|---------------|
| Type 3-IBH440 | | 34.6kg |
| Specifcation: | | |
| Cable capacity | Ø60mm max 400kg | |
| Carriersize | 570 long x 490 high x 220 wide | |
| Domesize | Ø440mm | |
| Dome width | 2x110mm extensions on width in multiples of 2 | |
| Wheels | Flanged wheel, tread 85mm with 4 anti tip bearings | |
| Buffers | 4x Ø40 | |
| Part numbers | | |
| 3-IBH440C | Carrier | |
| 3-IB440AC | Anchor clamp | |
| 3-IB440WC | Weld on master dome | |
| 3-IBH440MC | Master carrier | |
| 3-IB440D | Additional domes (set of 2) | |
| 3-IB440ACC | 220 auxiliary cable clamps | |

Use 6mm leader chain

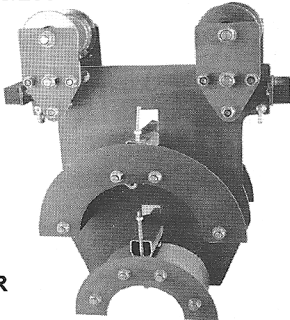
CARRIER
34.6kg



Examples of Carrier and Multi Tier Carriers

Options: Guide rollers for curved beams

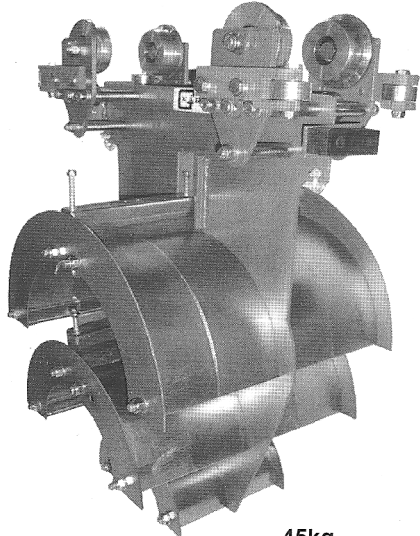
IBH335/235



2 TIER
40kg

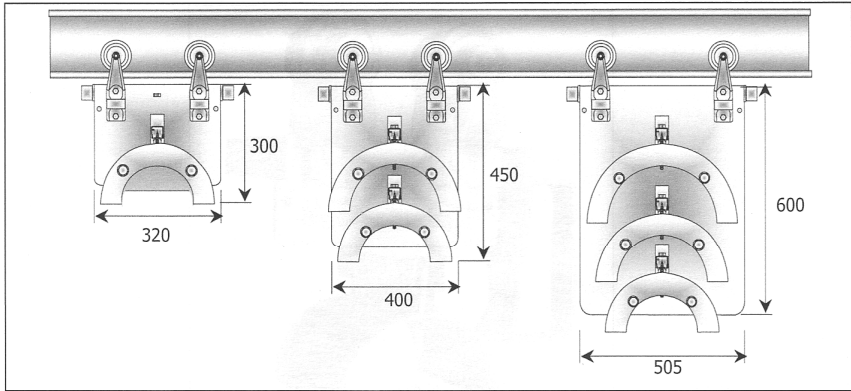
IBH435/335/235 GR

3 TIER - with Guide Rollers

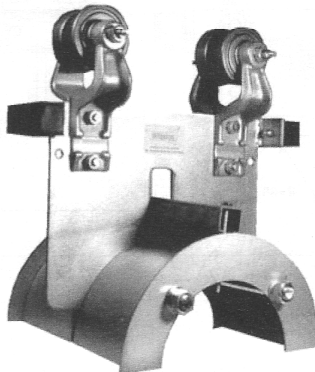


45kg

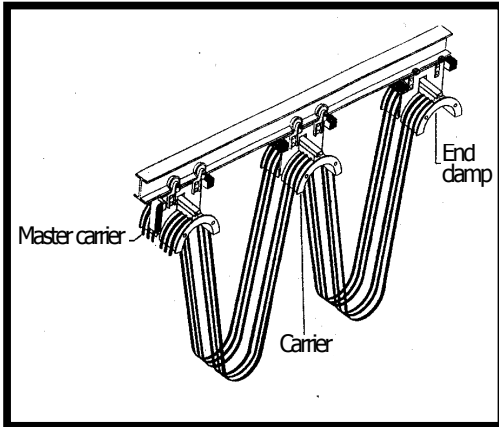
HEAVY DUTY I-BEAM SYSTEM TYPE SHD



- The SHD cable carrier can be supplied in single or multi-deck configuration.
- Suitable for use with trailing cables up to 40mm od.
- The wheels are of "double life" machined steel, 62, 82mm and 120mm and are fitted with grease nipples.
- The wheels were designed to run on a
 - o With 62mm wheel - IPE 140 parallel flange I-beam.
 - o With 82mm wheel - IPE 160 parallel flange I-beam.
 - o With 120mm wheel-Compound beam consisting of IPE 200 parallel flange I-beam complete with 178 x 54 channel.
- The carriers are fitted with heavy duty rubber buffers.
- The cables are carried on a steel half round and held in position by a rubber moulding to avoid any damage to the cable.
- Strain relief chain should be used between carriers.
- The rated load of the SHD carriers is 320kg.

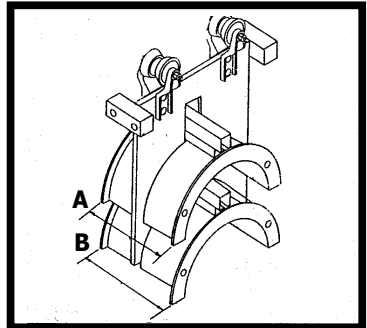
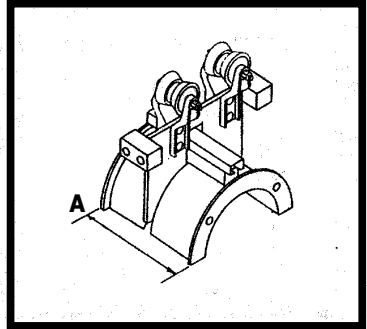


HEAVY DUTY I-BEAM SYSTEM TYPE SHD



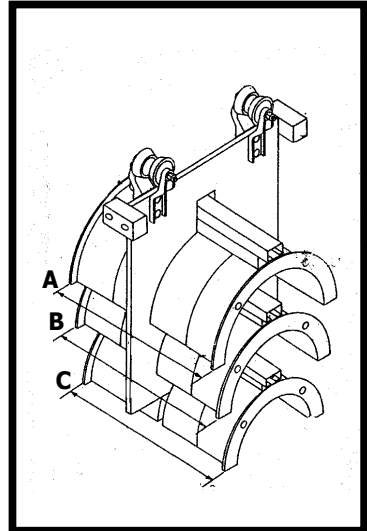
SHD SINGLE SERIES

| DIMENSIONS A mm | PART NUMBER | WEIGHT : kg | | |
|-----------------------|-------------|-------------|---------|--------|
| | | END CLAMP | CARRIER | MASTER |
| 200 | SHD/S 2 | 10.2 | 13.8 | 15 |
| 300 | SHD/S 3 | 11.8 | 15.2 | 16.4 |



SHD DOUBLE SERIES

| DIMENSIONS | | PART NUMBER | WEIGHT : kg | | |
|------------|---------|-------------|-------------|---------|--------|
| A mm | B mm | | END CLAMP | CARRIER | MASTER |
| 200 | 200 | SHD/D 22 | 16.4 | 20.4 | 21.4 |
| 300 | 300 | SHD/D 33 | 19.8 | 23.4 | 24.4 |
| 200 | 300 | SHD/D 23 | 18.4 | 22 | 23 |
| 300 | 200 | SHD/CD32 | 18.4 | 22 | 23 |

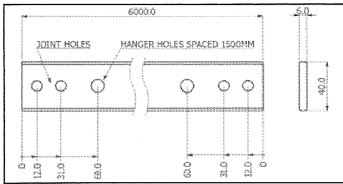
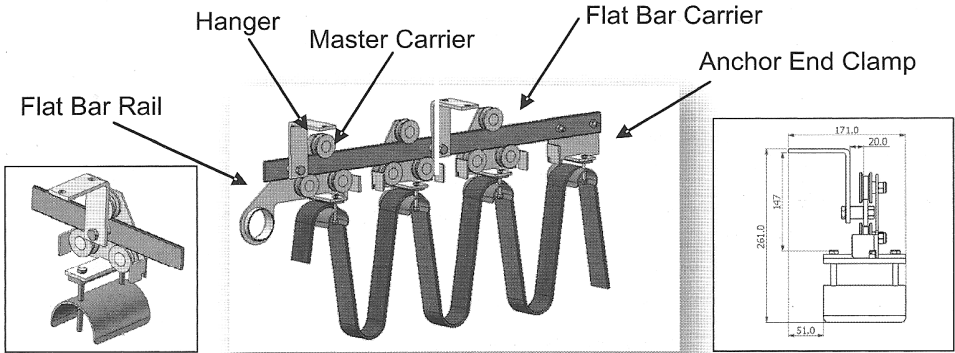


SHD TRIPLE SERIES

| DIMENSIONS | | | PART NUMBER | WEIGHT : kg | | |
|------------|---------|---------|-------------|-------------|---------|--------|
| A mm | B mm | C mm | | END CLAMP | CARRIER | MASTER |
| 200 | 200 | 200 | SHD/T 222 | 30.8 | 34.4 | 35.4 |
| 300 | 300 | 300 | SHD/T 333 | 35.6 | 38.8 | 39.8 |
| 300 | 200 | 200 | SHD/T 322 | 38.8 | 38.2 | 39.3 |
| 300 | 300 | 200 | SHD/T 332 | 34 | 37.6 | 38.8 |
| 200 | 300 | 300 | SHD/T 233 | 34.5 | 37.6 | 38.1 |
| 200 | 200 | 300 | SHD/T 223 | 32.6 | 36 | 37 |

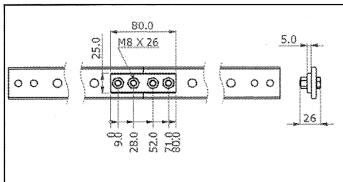
Flat Bar Carrier system

Cable carrier systems for working environments with heavy dust and dirt buildup.
Also ideal for monorail and curved applications as the flatbar rail can be manipulated on site.



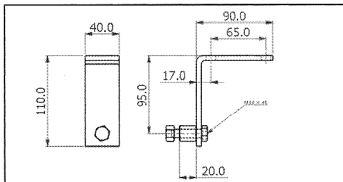
FLAT BAR

- 3-FB46/0100 40 x 6 x 6m Mild steel flat bar
- 3-FB56/0100 50 x 6 x 6m Mild steel flat bar
- 3-FB68/0100 60 x 8 x 6m Mild steel flat bar
- 3-FBS46/0100 40 x 6 x 6m Stainless steel flat bar



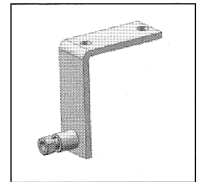
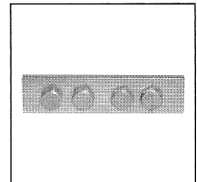
FLAT BAR UNIVERSAL JOINT

- 3-FB/0200 Joint section universal
- 3-FBS/0200 Joint section universal S/S



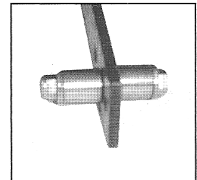
FLAT BAR HANGER & OFFSET SPACER

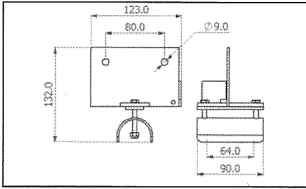
- 3-FB/0300 Universal Support Hanger
- 3-FBS/0300 Universal Support Hanger S/S



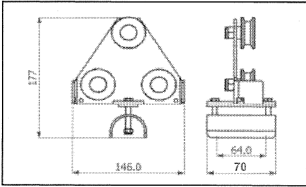
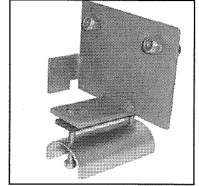
FLAT BAR END STOP UNIVERSAL

- 3-FB/0400 End stop
- 3-FBS/0400 End stop S/S

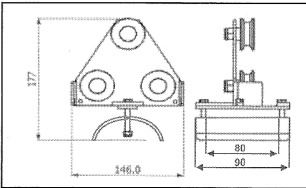
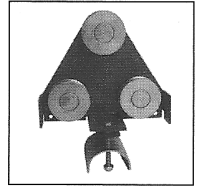


**FLAT BAR ANCHOR DOME UNIVERSAL**

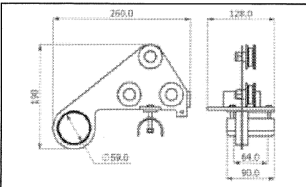
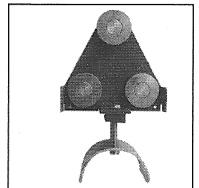
| | |
|-------------|------------------------|
| 3-FBM/0520 | Medium duty Anchor |
| 3-FBH/0530 | Heavy duty Anchor |
| 3-FBMS/0520 | Medium duty Anchor S/S |
| 3-FBHS/0530 | Heavy duty Anchor S/S |

**FLAT BAR 40X6 CARRIER MEDIUM DUTY**

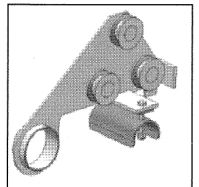
| | |
|---------------|-------------------------------|
| 3-FBM46/0620 | Mild steel Carrier Galvanized |
| 3-FBMS46/0620 | Stainless steel Carrier |

**FLAT BAR 50X6 CARRIER MEDIUM DUTY**

| | |
|---------------|-------------------------------|
| 3-FBM56/0620 | Mild steel Carrier Galvanized |
| 3-FBMS56/0620 | Stainless steel Carrier |

**FLAT BAR 40X6 MASTER CARRIER MEDIUM DUTY**

| | |
|---------------|--------------------------------------|
| 3-FBM46/0720 | Mild steel Master Carrier Galvanized |
| 3-FBMS46/0730 | Stainless steel Master Carrier |

**FLAT BAR 50X6 MASTER CARRIER HEAVY DUTY**

| | |
|--------------|--------------------------------------|
| 3-FBM56/0730 | Mild steel Master Carrier Galvanized |
|--------------|--------------------------------------|

FLAT BAR 60X8 MASTER CARRIER HEAVY DUTY

| | |
|--------------|--------------------------------------|
| 3-FBM56/0730 | Mild steel Master Carrier Galvanized |
|--------------|--------------------------------------|

Flat Bar system also available in Stainless Steel**Options on application**

1. Dust proof bearing caps are available for wheels
2. Other flat bar sizes available on application
3. Stainless steel bearings on application
4. Heavy Duty four wheel carriers also available on request

Note - For support brackets, see page 19.

- When designing a festoon system, the ambush area/parking area must be taken into account.
- Min bending radius = 1000mm
- Support bracket spacing every 0,5 m for curves.