

vasei[®]
Electromechanic



RAIL

Festoon System

Cat.4n/23

1028 Series

www.vasei.com

energy and data transfer systems



Vasel c- rail cable carrying and transfer systems works reproductively with energy and data transfer systems by using roundform and flatform cable (plating units, high capacity stowing systems, automotive-industrial manufacture workshops, automation integrated systems such as textile etc., stowing cranes in shipyards and ports; portal cranes, travelling cranes, special designed stowing and loading machines, milling and construction sector facility applications) hydraulic and pneumatic application systems that requires mobile control by long range of maintenance period.

- *It is also used mobile machine applications that provide fiber-optic cable communication except power and control applications.*
- *It is designed to provide assembly facility during installation and technical maintenance.*
- *Provides high performance in challenging conditions*
- *Provides saving from time and labor focused on economic and safe working*
- *It is manufactured within appropriate sizes and appropriate material for application standards applied in most countries of the world.*
- *It is manufactured from corrosion resistance materials against dust, moist, frosting, high temperature working conditions.*
- *With special extra standard product manufacturing for specific applications, it provides practical solutions to the sector*



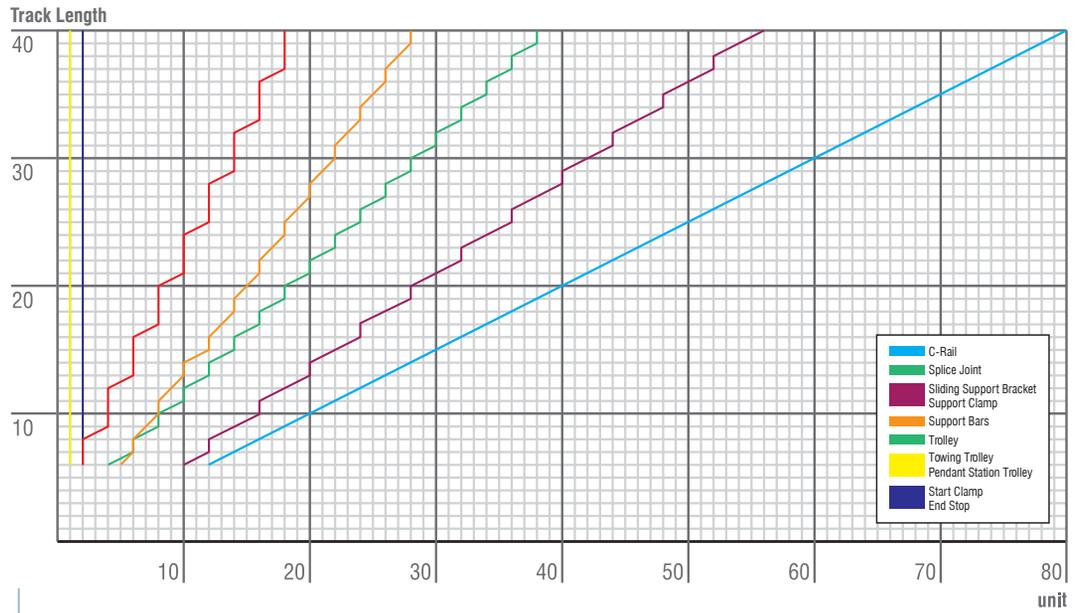
! Please contact with our technical team for applications that will be used in extra standard challenging and hard working conditions. we will be pleased to help to you.

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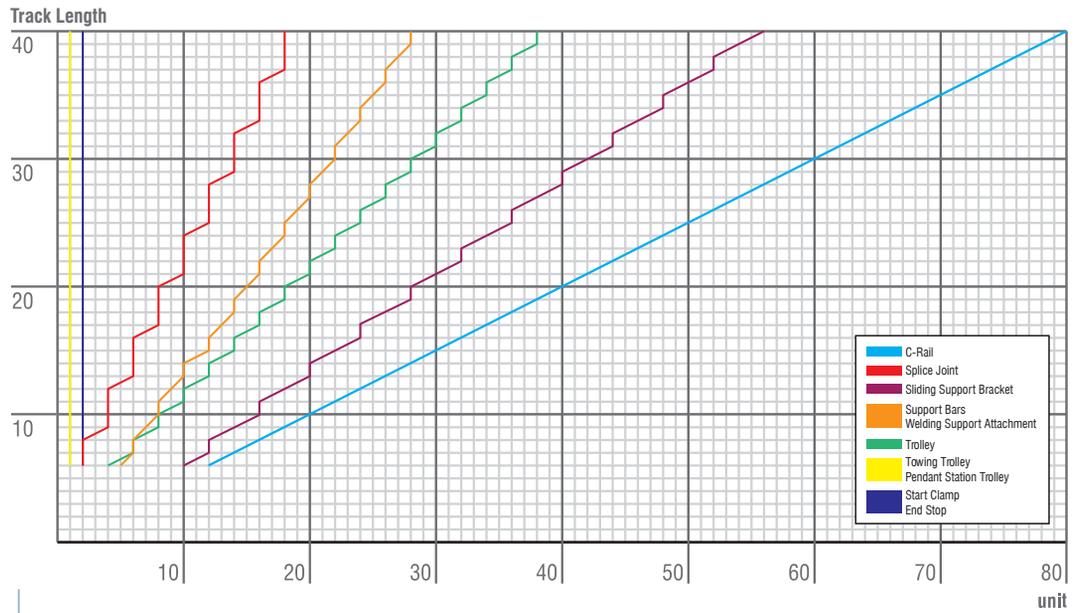
| | |
|--|----|
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General System Application Product Unit Chart

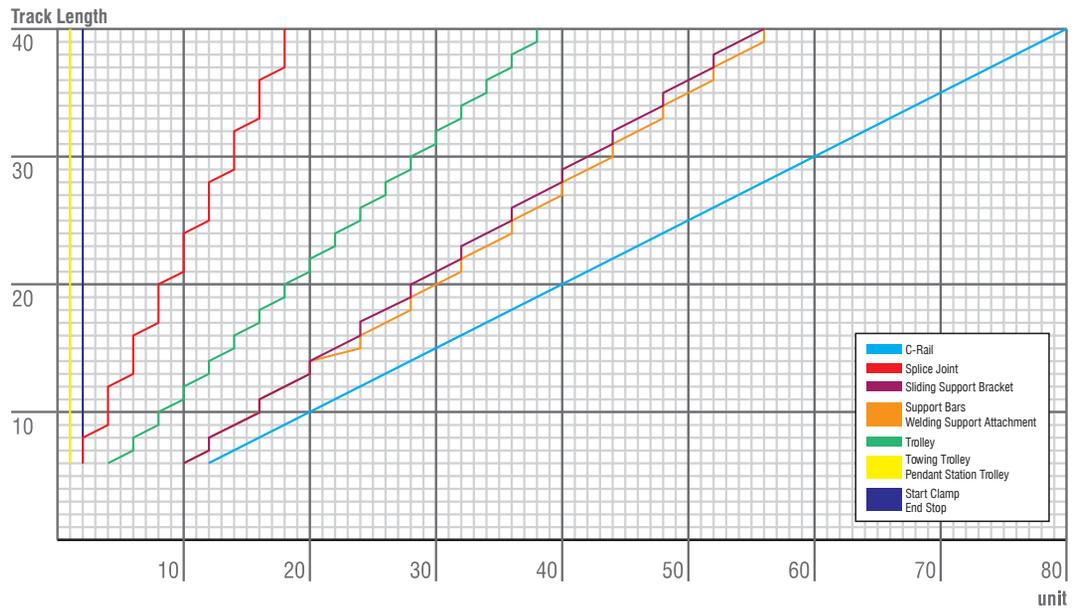
Monorail Application



Double Girder Application (One Side Systems Arrangement)



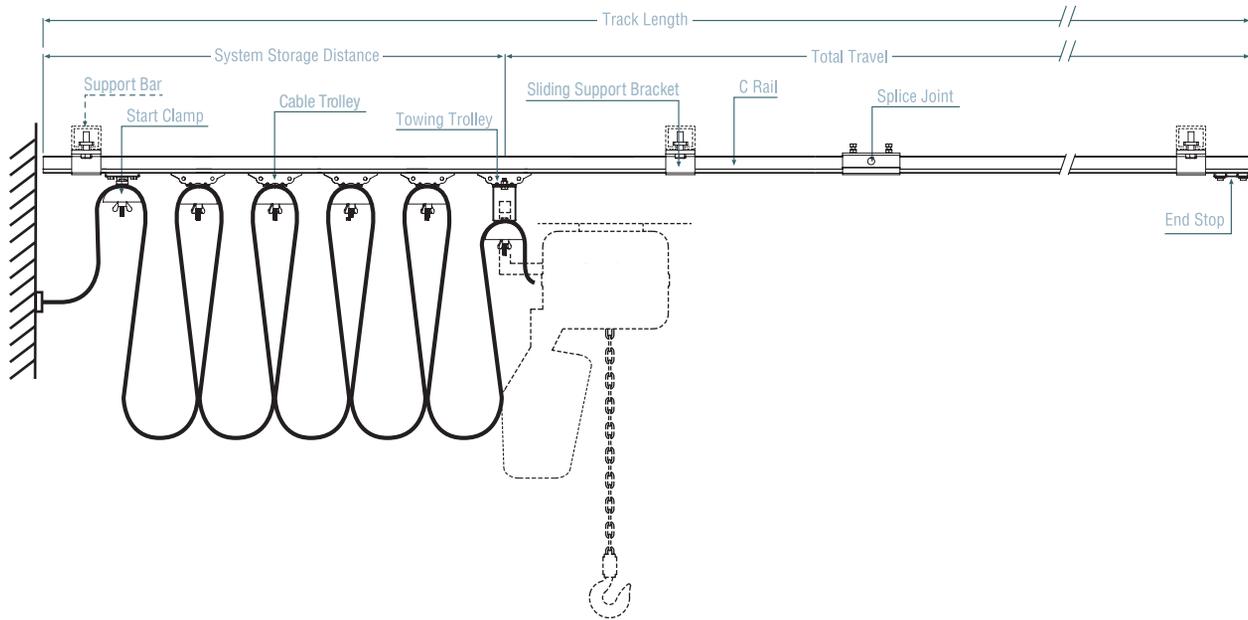
Double Girder Application (Two Side Systems Arrangement)



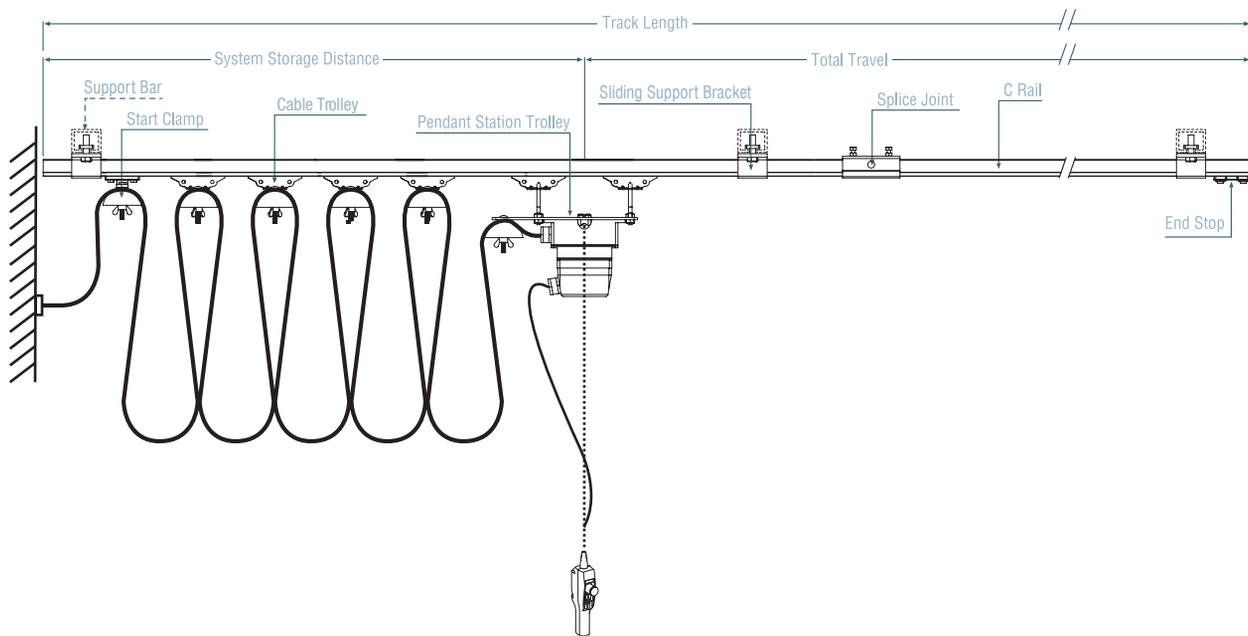
NOTE: The constant numbers in this chart are used in general system applications. Please contact with our company about the in-system numbers of c-rail and equipments which will be used in different system and working conditions.

If you would prefer our sales engineers to carry out the appropriate festoon selection for you and at the same time prepare a quotation for your consideration, please directly contact us +90 332 235 35 10 phone number or e-mail:sales@vasel.com.tr

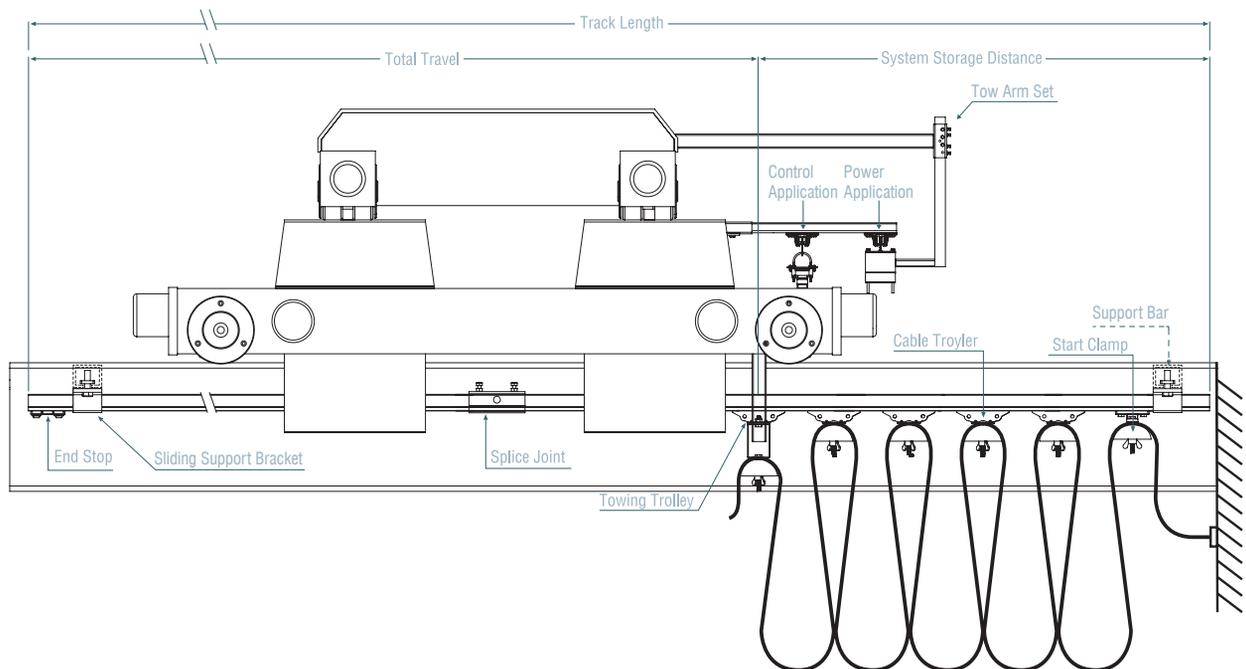
Power Application (Typical using flatform cable)



Control Application (Typical using flatform cable)



Runway Application (Typical using flatform cable)



Company Information

Date Contact Person E-Mail

Company Name Department Web

Address Phone *Please answer all the following questions as accurately as possible. This information will form the basis of our quotation to you.*

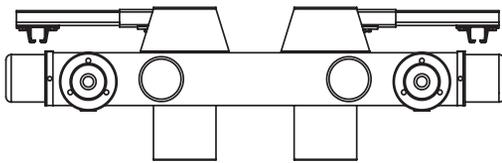
..... Fax

System Information

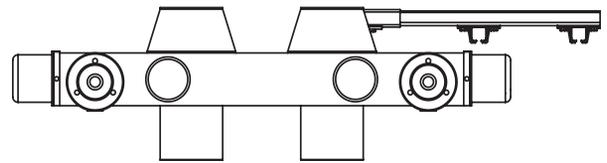
Type Of Application Outdoor Indoor Temperature Range °C min °C max Daily working hours day/hour

Mounting Part Arrangement Types With Support Bar (see page 26-27)

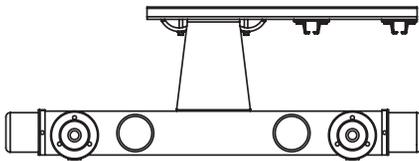
- Double Girder**
(two side Support bar arrangement)



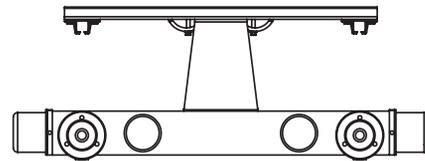
- Double Girder**
(one side Support bar arrangement)



- Monarail**
(one side Support bar arrangement)



- Monarail**
(two side Support bar arrangement)



Power Application (see page 5)

- Tow Arm Arrangement**
(see page 24 / 28)

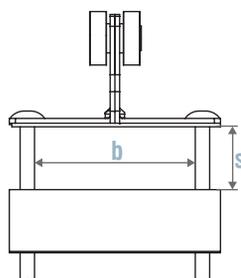
L1 mm
L2 mm
L3 mm

System storage distance m
Track Length m
Max loop depth cm
Travel Speed m/min
Min Bending Radius mm

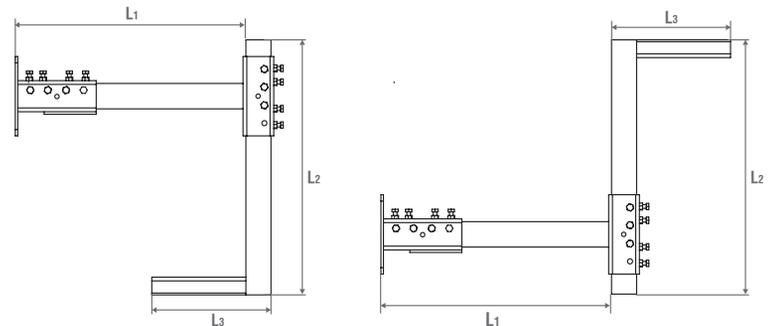
- Platform Cables** (see page 31-38)

| Cab. No | Width | Thickness |
|---------|-------|-----------|
| ..... | mm | mm |
| ..... | mm | mm |
| ..... | mm | mm |

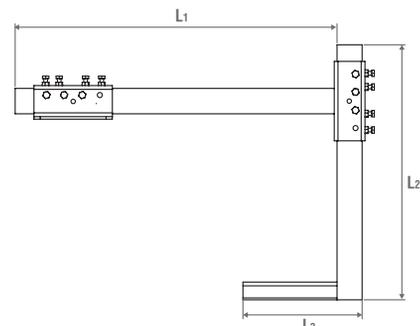
s mm
b mm



- VS1008BS1 (see page 24)



- VS1008AS1 (see page 24)



- Roundform Cables** (see page 39-45)

| Cab. No | Cable Dim. ØD |
|---------|---------------|
| ..... | mm |
| ..... | mm |
| ..... | mm |



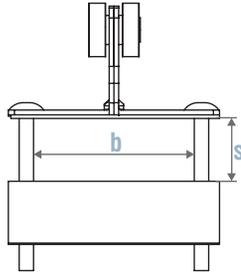
Control Application (see page 5)

Flatform Cables (see page 31-38)

Roundform Cables (see page 39-45)

| Cab. No | Width | Thickness |
|---------|-------|-----------|
| ..... | mm | mm |
| ..... | mm | mm |
| ..... | mm | mm |

s mm
b mm



| Cab. No | Cable Dim. ØD |
|---------|---------------|
| ..... | mm |
| ..... | mm |
| ..... | mm |



Runway Girder Application (see page 5)

Tow Arm Arrangement (see page 24-25 / 29)

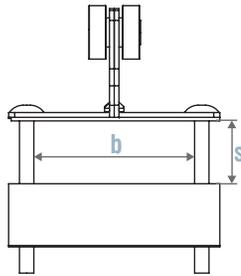
System storage distance m
Track Length m
Max loop depth cm
Travel Speed m/min
Min Bending Radius mm

L1 mm
L2 mm
L3 mm

Flatform Cables (see page 31-38)

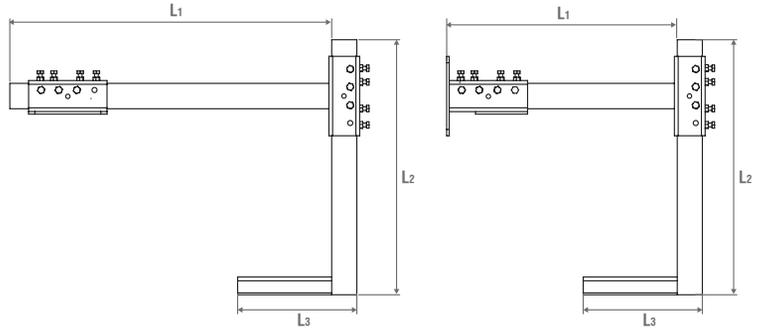
| Cab. No | Width | Thickness |
|---------|-------|-----------|
| ..... | mm | mm |
| ..... | mm | mm |
| ..... | mm | mm |

s mm
b mm



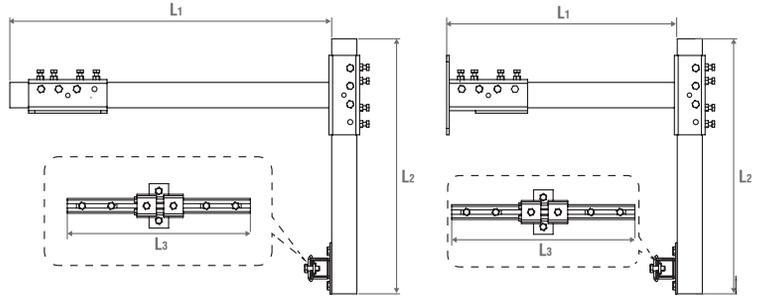
VS1008AS1 (see page 24)

VS1008BS1 (see page 24)



VS1008AS2 (see page 25)

VS1008AS2 (see page 25)



Roundform Cables (see page 39-45)

| Cab. No | Cable Dim. ØD |
|---------|---------------|
| ..... | mm |
| ..... | mm |
| ..... | mm |



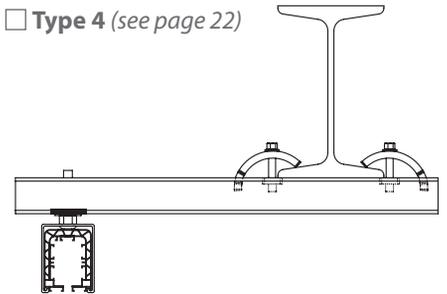
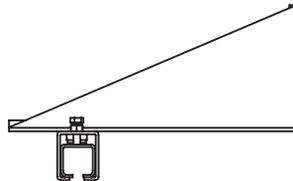
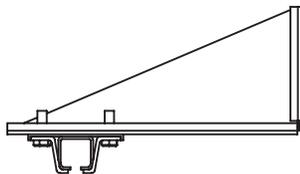
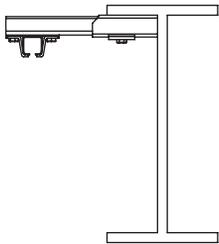
Support Bracket Arrangement

Type 1

Type 2 (see page 13-14)

Type 3 (see page 13-14)

Type 4 (see page 22)



End Carriage Cap (see page 8-11,48)

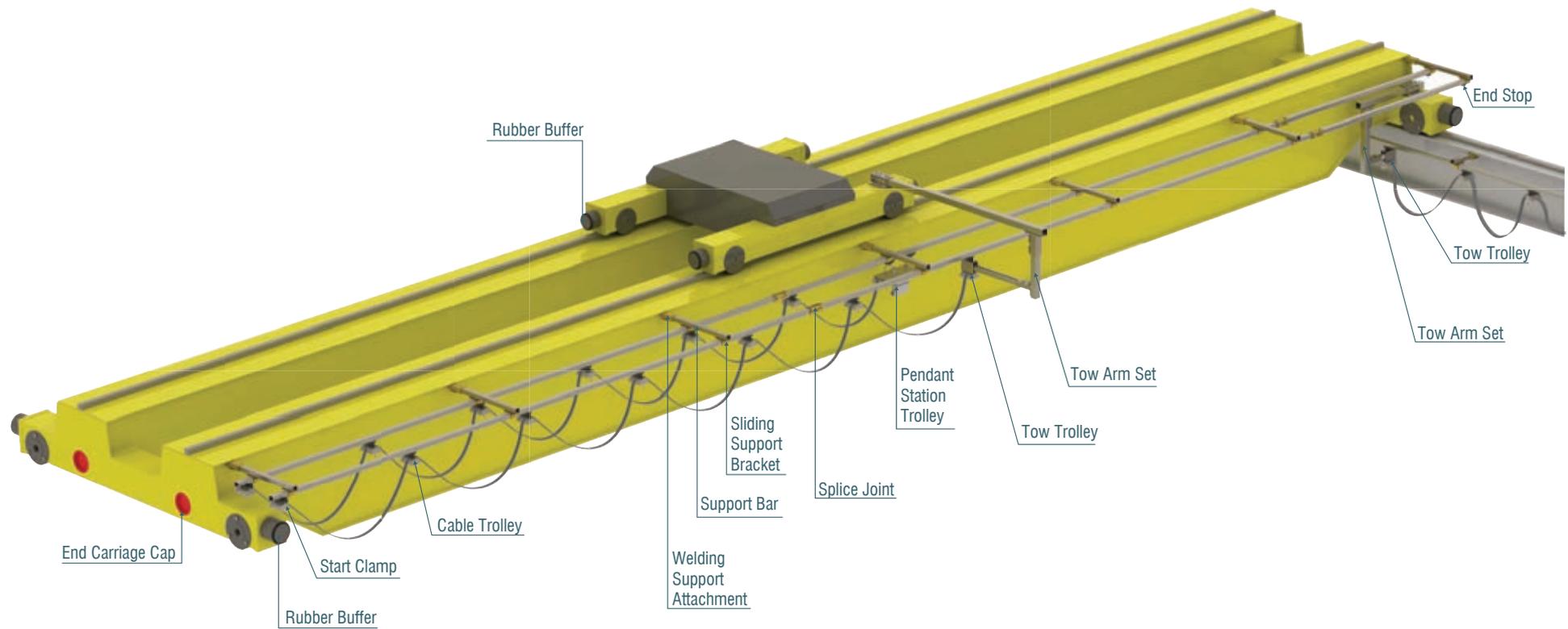
Rubber Buffer (see page 8-11,48)

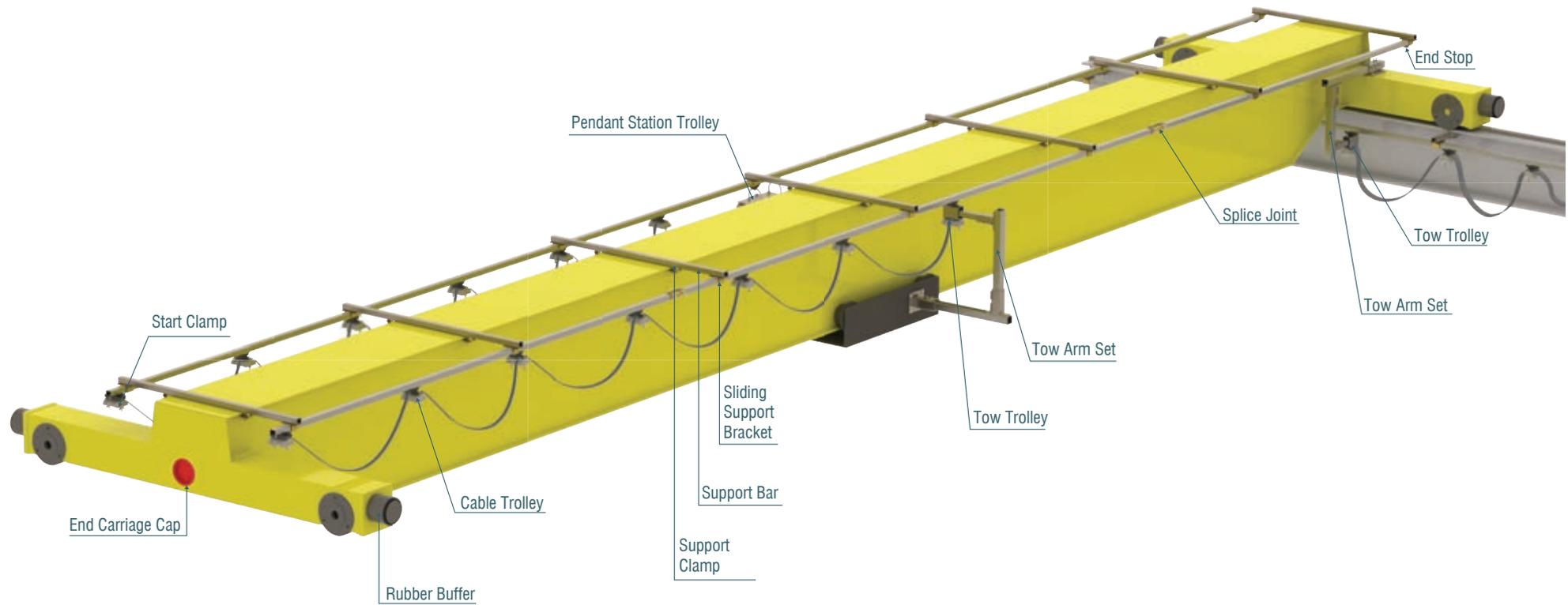
Product Code:...../.....unit (for main trolley arrangement)

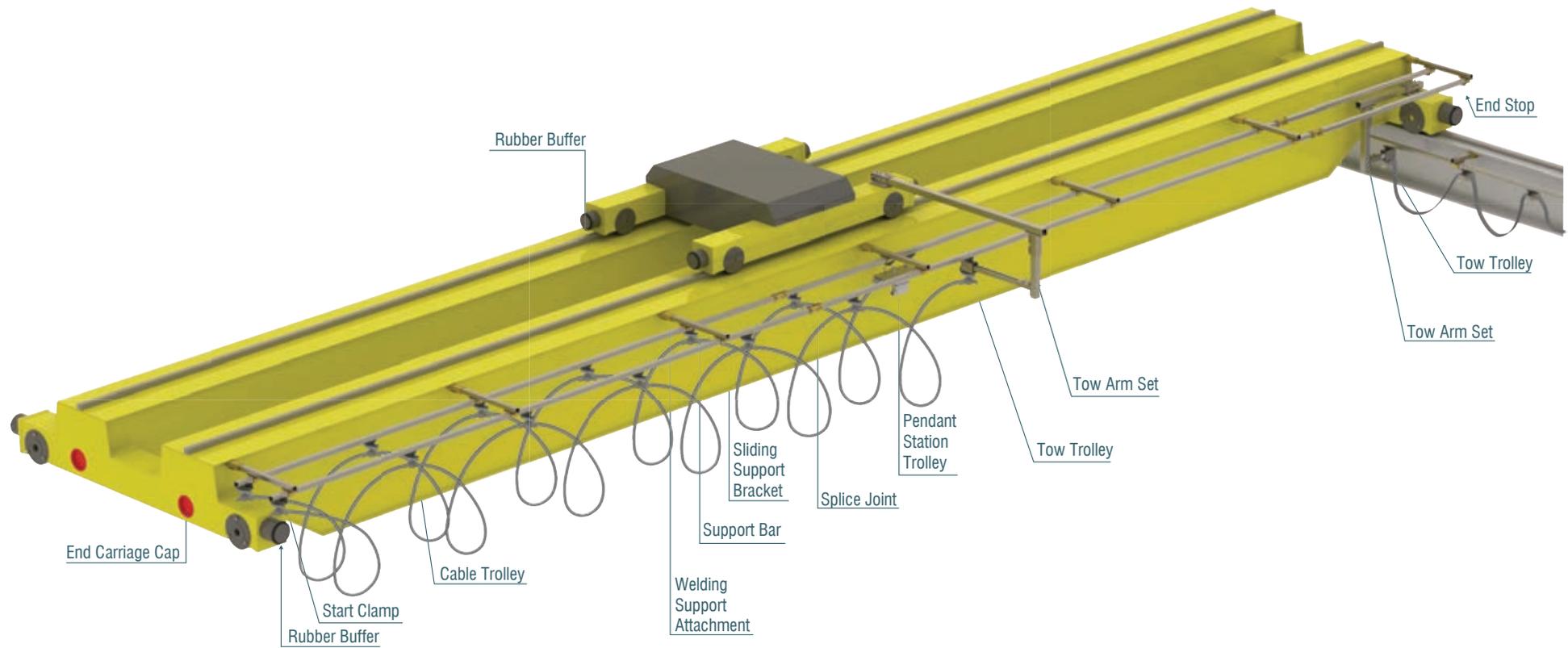
Product Code:...../.....unit (for runway girder arrangement)

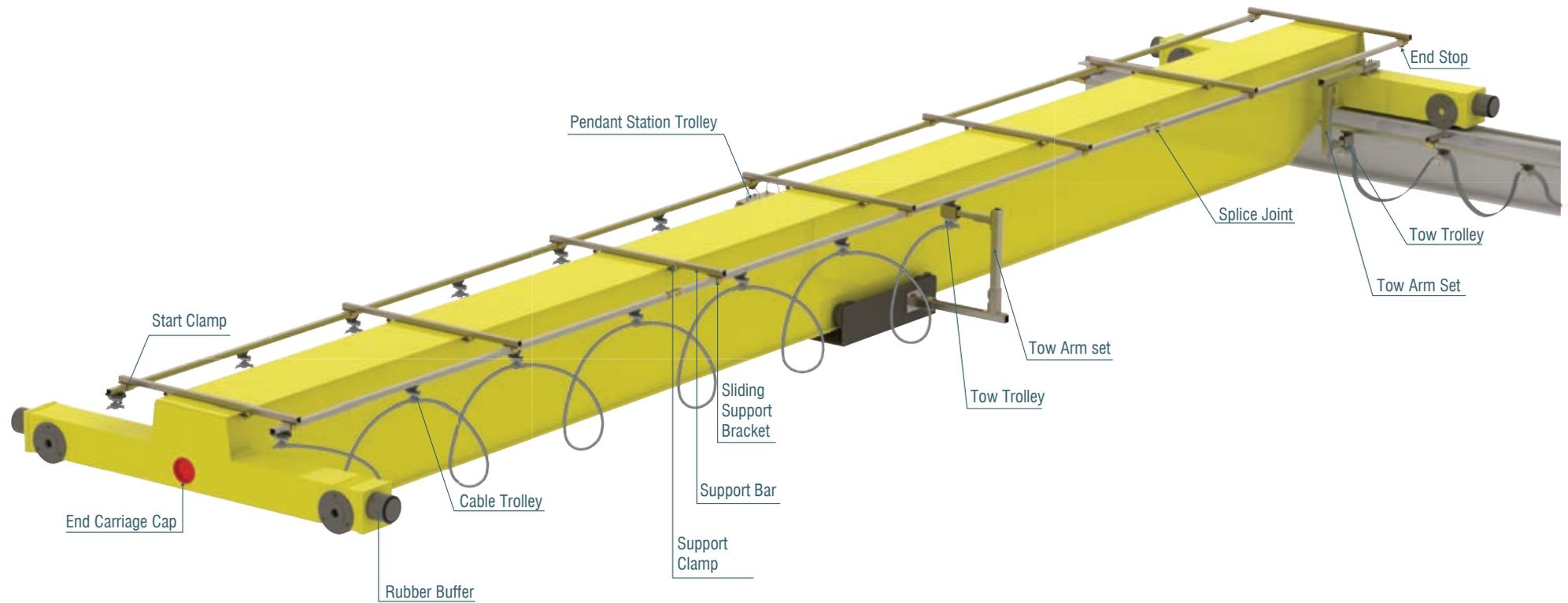
Special operating conditions :

Any additional data:





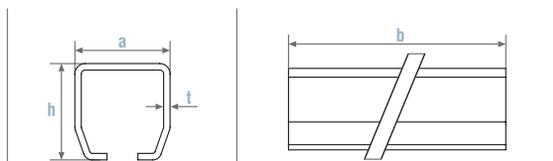




C-Rail
VS1028R2 / VS1028R4



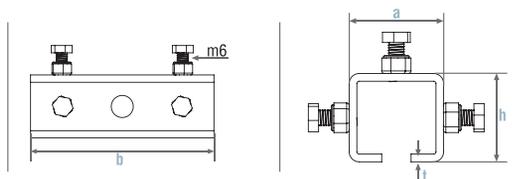
| Product Code | Material | Weight (kg/m) | Supply Lengths (b) | Dimensions (mm) | | |
|--------------|--------------------|---------------|--------------------|-----------------|----|-----|
| | | | | a | h | t |
| VS1028R2 | Steel (galvanised) | 1,08 | 4 m | 30 | 28 | 1.5 |
| VS1028R4 | Steel (galvanised) | 1,44 | 4 m | 30 | 28 | 2 |



Splice Joint
VS1028E2



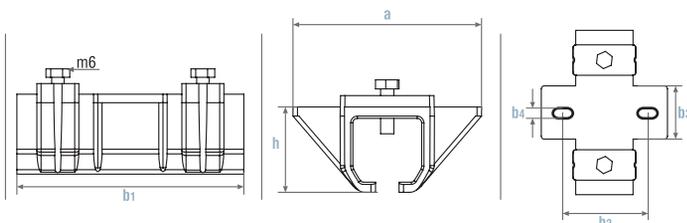
| Product Code | Material | Weight (kg) | Dimensions (mm) | | | |
|--------------|--------------------|-------------|-----------------|----|-----|---|
| | | | a | h | b | t |
| VS1028E2 | Steel (galvanised) | 0,28 | 37 | 35 | 100 | 3 |



Plastic Splice Joint
VS1028E4



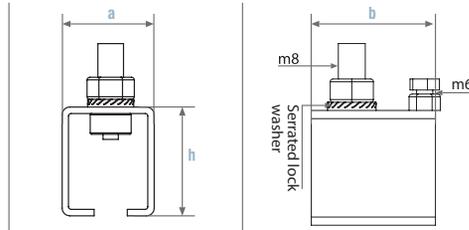
| Product Code | Material | Weight (kg/m) | Dimensions (mm) | | | | | |
|--------------|----------|---------------|-----------------|----|----------------|----------------|----------------|----------------|
| | | | a | h | b ₁ | b ₂ | b ₃ | b ₄ |
| VS1028E4 | Polyamid | 0,10 | 83 | 37 | 107 | 54 | 35 | 7 |



Support Bracket (with one connection bolt) (suitable for 1009 series or existing steel structure)
VS1028A2



| Product Code | Material | Weight (kg) | Dimensions (mm) | | |
|--------------|--------------------|-------------|-----------------|----|----|
| | | | a | h | b |
| VS1028A2 | Steel (galvanised) | 0,18 | 37 | 42 | 47 |

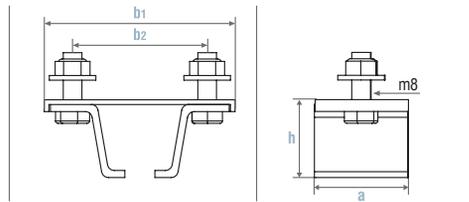


*See application examples with 1009 series support attachment on page 14

Support Bracket (with two connection bolt) (suitable for 1009 series or existing steel structure)
VS1028D6



| Product Code | Material | Weight (kg) | Dimensions (mm) | | | |
|--------------|--------------------|-------------|-----------------|----------------|----------------|----|
| | | | a | b ₁ | b ₂ | h |
| VS1028D6 | Steel (galvanised) | 0,20 | 40 | 85 | 60 | 32 |

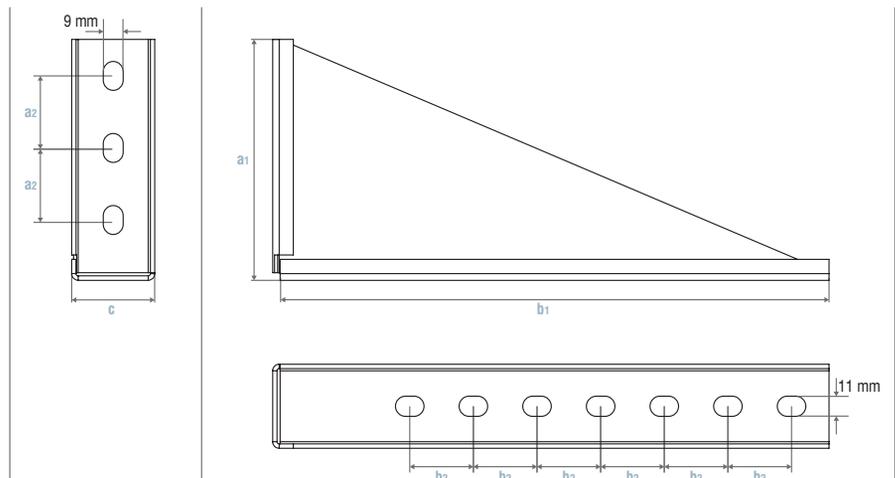


*See application examples with 1009 series support attachment on page 14

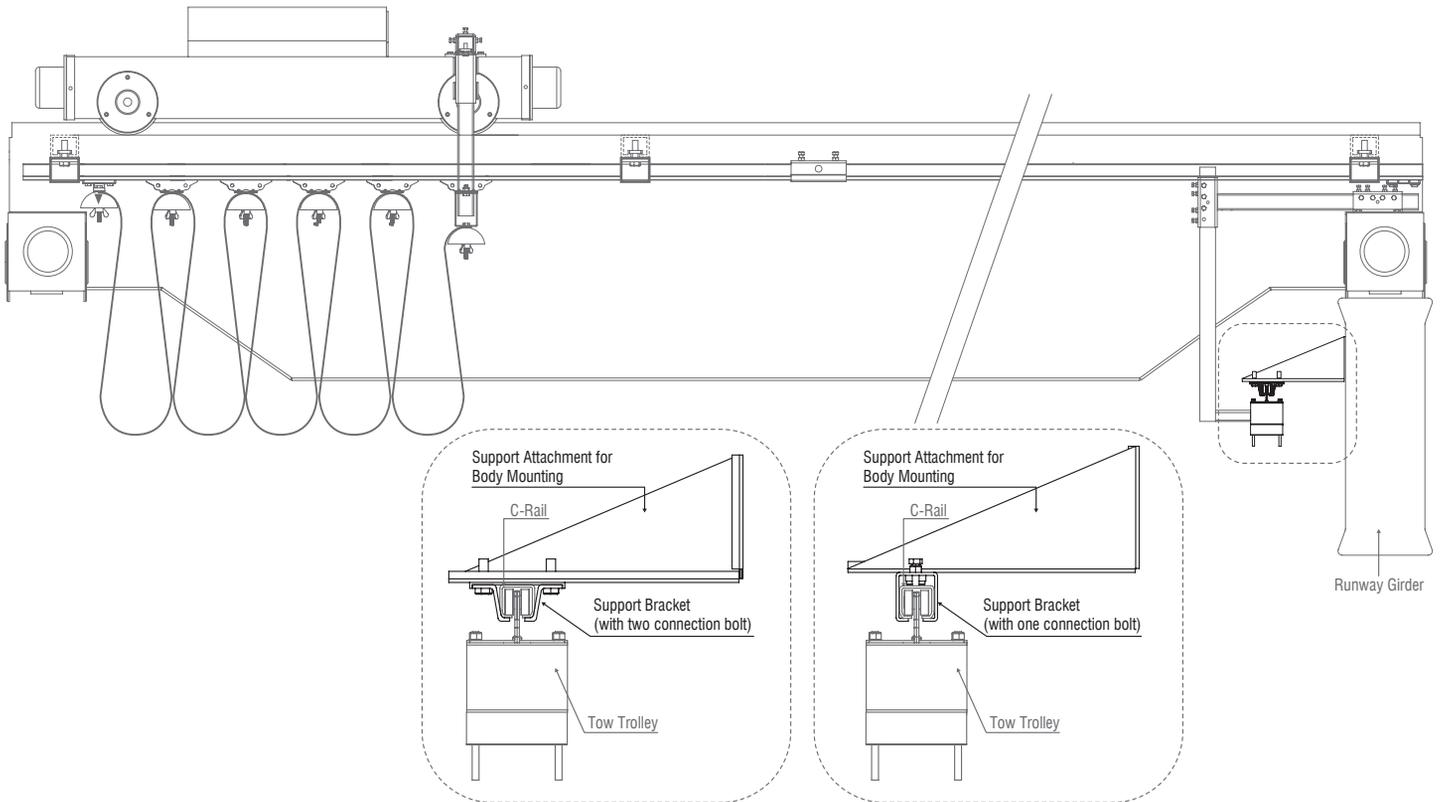
Support Attachment for Body Mounting (1009 series)
VS1009S1



| Product Code | Material | Weight (kg) | Dimensions (mm) | | | | |
|--------------|--------------------|-------------|-----------------|----------------|----------------|----------------|----|
| | | | a ₁ | a ₂ | b ₁ | b ₂ | c |
| VS1009S1 | Steel (galvanised) | 0,44 | 110 | 25 | 250 | 58 | 30 |



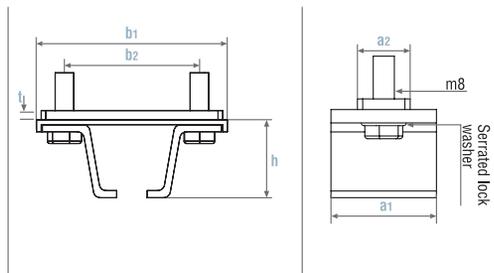
*See application examples for girder arrangement on page 14



Sliding Support Bracket (suitable for 1010 series)
VS1028D2



| Product Code | Material | Weight (kg) | Dimensions (mm) | | | | | | |
|--------------|--------------------|-------------|-----------------|----------------|----------------|----------------|----|---|--|
| | | | a ₁ | a ₂ | b ₁ | b ₂ | h | t | |
| VS1028D2 | Steel (galvanised) | 0,23 | 40 | 20 | 85 | 60 | 32 | 4 | |

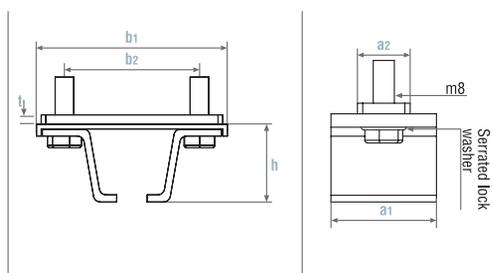


*See application examples for girder arrangement on page 26-27

Sliding Support Bracket (suitable for 1012 series)
VS1028D4



| Product Code | Material | Weight (kg) | Dimensions (mm) | | | | | | |
|--------------|--------------------|-------------|-----------------|----------------|----------------|----------------|----|---|--|
| | | | a ₁ | a ₂ | b ₁ | b ₂ | h | t | |
| VS1028D4 | Steel (Galvanised) | 0,25 | 40 | 30 | 85 | 60 | 32 | 4 | |

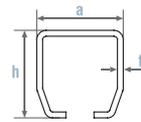
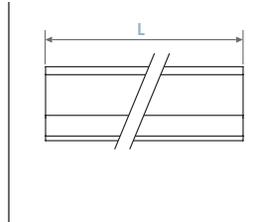


*See application examples for girder arrangement on page 26-27

Support Bars (1010 series)
VS1010B/....



| Product Code | Material | Weight (kg/m) | Dimensions (mm) | | |
|--------------|--------------------|---------------|-----------------|----|---|
| | | | a | h | t |
| VS1010B/.... | Steel (galvanised) | 1,44 | 30 | 28 | 2 |



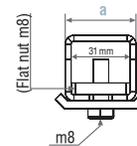
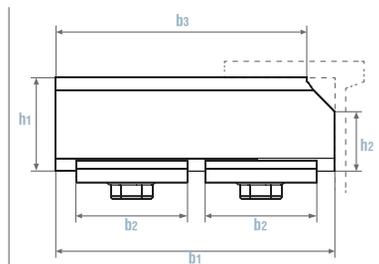
*See application examples for girder arrangement on page 26-27

*This product is between different sizes (250 mm - 2000 mm) can be produced. Please contact our company with system requirements

Welding Support Attachment (1010 series)
VS1010K



| Product Code | Material | Weight (kg) | Dimensions (mm) | | | | | |
|--------------|----------|-------------|-----------------|----------------|----------------|----------------|----------------|----------------|
| | | | a | b ₁ | b ₂ | b ₃ | h ₁ | h ₂ |
| VS1010K | Steel | 0,35 | 37 | 100 | 40 | 90 | 36 | 23 |

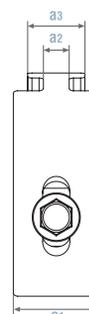
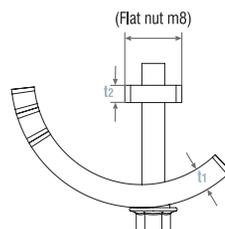


*See application examples for girder arrangement on page 26-27

Support Clamp (1010 series)
VS1010C2



| Product Code | Material | Weight (kg) | Dimensions (mm) | | | | |
|--------------|--------------------|-------------|-----------------|----------------|----------------|----------------|----------------|
| | | | a ₁ | a ₂ | a ₃ | t ₁ | t ₂ |
| VS1010C2 | Steel (galvanised) | 0,18 | 30 | 8 | 20 | 8 | 4 |

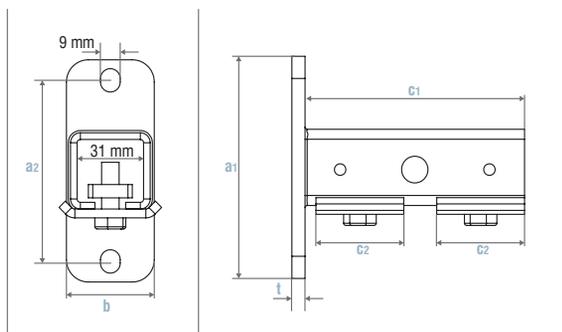


*See application examples for girder arrangement on page 26-27

■ **Support Attachment (2 hole) for Body Mounting (1010 series)**
VS1010U2



| Product Code | Material | Weight (kg/m) | Dimensions (mm) | | | | | |
|--------------|--------------------|---------------|-----------------|----------------|----|----------------|----------------|---|
| | | | a ₁ | a ₂ | b | c ₁ | c ₂ | t |
| VS1010U2 | Steel (galvanised) | 0,64 | 100 | 82 | 40 | 100 | 40 | 6 |

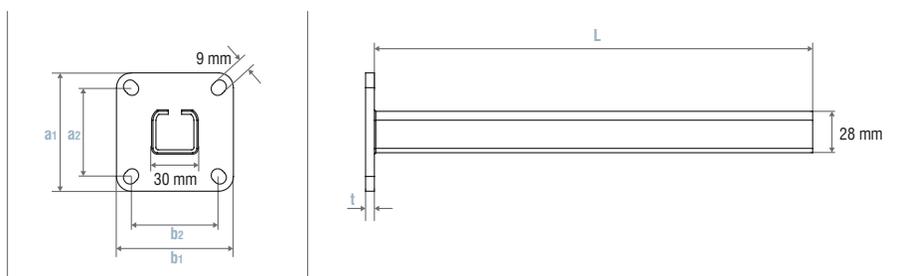


**See application examples for body mounting arrangement on page 23*

■ **Support Arm for Body Mounting (1010 series)**
VS1010S4/...



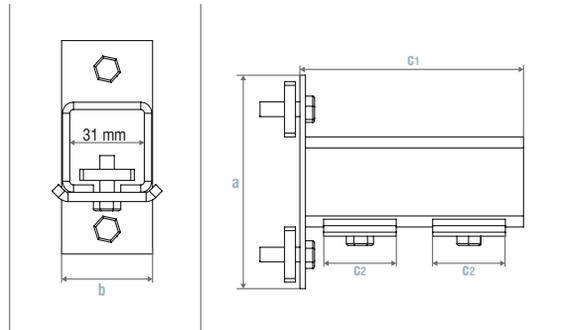
| Product Code | Material | Dimensions (mm) | | | | |
|--------------|--------------------|-----------------|----------------|----------------|----------------|---|
| | | a ₁ | a ₂ | b ₁ | b ₂ | t |
| VS1010S4/... | Steel (galvanised) | 80 | 60 | 80 | 60 | 6 |



**See application examples for body mounting arrangement on page 23*

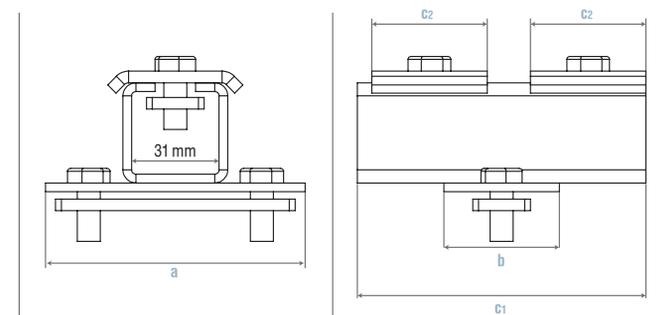
■ **Support Attachment for Support Bar Mounting (1010 series) (2HVP)**
VS1010Y2VP

| Product Code | Material | Weight (kg/m) | Dimensions (mm) | | | |
|--------------|--------------------|---------------|-----------------|----|----------------|----------------|
| | | | a | b | c ₁ | c ₂ |
| VS1010Y2VP | Steel (galvanised) | 0,60 | 90 | 40 | 103 | 40 |



■ **Support Attachment for Support Bar Mounting (1010 series) (2HHP)**
VS1010Y2HP

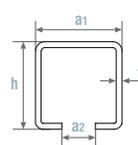
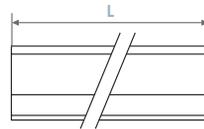
| Product Code | Material | Weight (kg/m) | Dimensions (mm) | | | |
|--------------|--------------------|---------------|-----------------|----|----------------|----------------|
| | | | a | b | c ₁ | c ₂ |
| VS1010Y2HP | Steel (galvanised) | 0,60 | 90 | 40 | 100 | 40 |



Support Bars (1012 series)
VS1012B/....



| Product Code | Material | Weight (kg/m) | Dimensions (mm) | | | |
|--------------|--------------------|---------------|-----------------|----------------|----|-----|
| | | | a ₁ | a ₂ | h | t |
| VS1012B/.... | Steel (galvanised) | 2,60 | 40 | 14 | 40 | 2,5 |



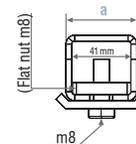
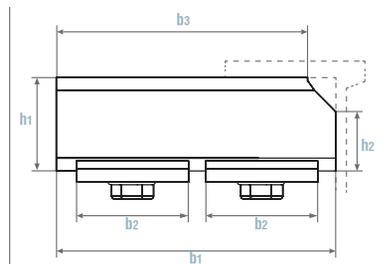
*See application examples for girder arrangement on page 26-27

*This product is between different sizes (300mm - 2000 mm) can be produced. Please contact our company with system requirements

Welding Support Attachment (1012 series)
VS1012K



| Product Code | Material | Weight (kg) | Dimensions (mm) | | | | | |
|--------------|----------|-------------|-----------------|----------------|----------------|----------------|----------------|----------------|
| | | | a | b ₁ | b ₂ | b ₃ | h ₁ | h ₂ |
| VS1012K | Steel | 0,70 | 51 | 120 | 40 | 107 | 51 | 36 |

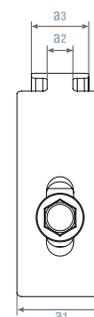
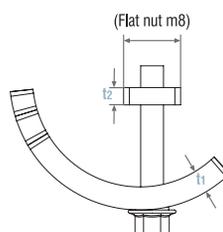


*See application examples for girder arrangement on page 26-27

Support Clamp (1012 series)
VS1012C2



| Product Code | Material | Weight (kg) | Dimensions (mm) | | | | |
|--------------|--------------------|-------------|-----------------|----------------|----------------|----------------|----------------|
| | | | a ₁ | a ₂ | a ₃ | t ₁ | t ₂ |
| VS1012C2 | Steel (galvanised) | 0,19 | 30 | 10 | 25 | 8 | 4 |

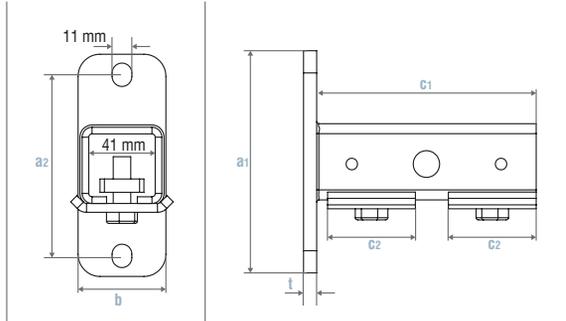


*See application examples for girder arrangement on page 26-27

Support Attachment (2 hole) for Body Mounting (1012 series)
VS1012U2



| Product Code | Material | Weight (kg/m) | Dimensions (mm) | | | | | |
|--------------|--------------------|---------------|-----------------|----------------|----|----------------|----------------|---|
| | | | a ₁ | a ₂ | b | c ₁ | c ₂ | t |
| VS1012U2 | Steel (galvanised) | 1,10 | 110 | 87 | 45 | 125 | 40 | 6 |

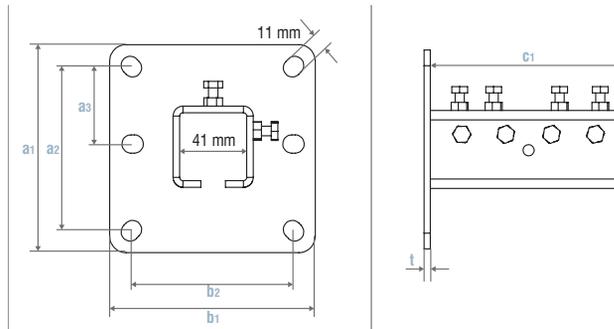


*See application examples for body mounting arrangement on page 23

Support Attachment (6 hole) for Vertical Body Mounting (with fixing bolt)(1012 series)
VS1012U6VB



| Product Code | Material | Weight (kg/m) | Dimensions (mm) | | | | | | |
|--------------|--------------------|---------------|-----------------|----------------|----------------|----------------|----------------|----------------|---|
| | | | a ₁ | a ₂ | a ₃ | b ₁ | b ₂ | c ₁ | t |
| VS1012U6VB | Steel (galvanised) | 1,14 | 125 | 99 | 49,5 | 125 | 99 | 125 | 4 |

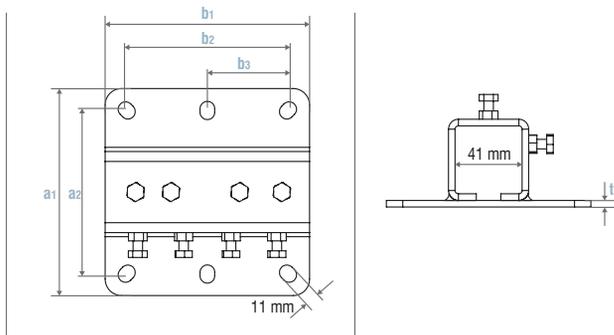


*See application examples for towing arrangement on page 24-25

Support Attachment (6 hole) for Horizontal Body Mounting (with fixing bolt)(1012 series)
VS1012U6HB



| Product Code | Material | Weight (kg/m) | Dimensions (mm) | | | | | |
|--------------|--------------------|---------------|-----------------|----------------|----------------|----------------|----------------|---|
| | | | a ₁ | a ₂ | b ₁ | b ₂ | b ₃ | t |
| VS1012U6HB | Steel (galvanised) | 1,16 | 125 | 99 | 125 | 99 | 49,5 | 4 |



*See application examples for towing arrangement on page 24-25

**Support Attachment (6 hole) for Horizontal Body Mounting (with fixing plate)(1012 series)
VS1012U6HP**



| Product Code | Material | Weight (kg/m) | Dimensions (mm) | | | | | |
|--------------|--------------------|---------------|-----------------|----------------|----------------|----------------|----------------|---|
| | | | a ₁ | a ₂ | b ₁ | b ₂ | b ₃ | t |
| VS1012U6HP | Steel (galvanised) | 1,33 | 125 | 99 | 125 | 99 | 49,5 | 4 |

**Support Arm for Body Mounting (1012 series)
VS1012S4/...**

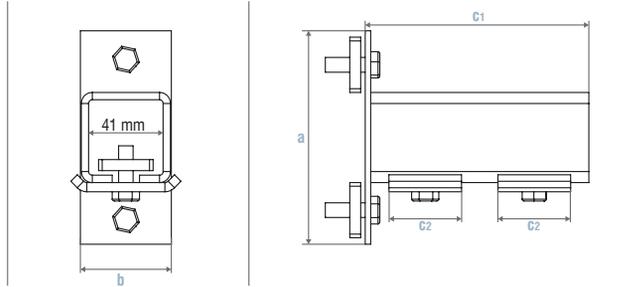


| Product Code | Material | Dimensions (mm) | | | | |
|--------------|--------------------|-----------------|----------------|----------------|----------------|---|
| | | a ₁ | a ₂ | b ₁ | b ₂ | t |
| VS1012S4/... | Steel (galvanised) | 100 | 80 | 100 | 80 | 6 |

**See application examples for body mounting arrangement on page 23*

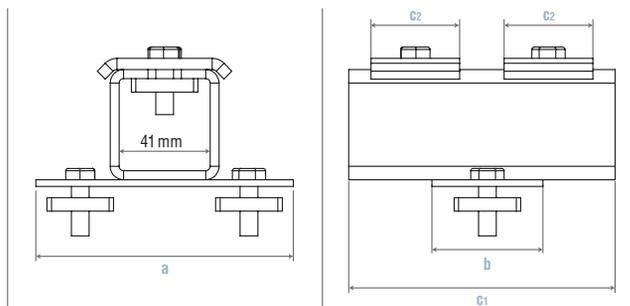
■ **Support Attachment for Support Bar Mounting (1012 series) (2HVP)**
VS1012Y2VP

| Product Code | Material | Weight (kg/m) | Dimensions (mm) | | | |
|--------------|--------------------|---------------|-----------------|----|----------------|----------------|
| | | | a | b | c ₁ | c ₂ |
| VS1012Y2VP | Steel (galvanised) | 1,07 | 116 | 50 | 128 | 40 |



■ **Support Attachment for Support Bar Mounting (1012 series) (2HHP)**
VS1012Y2HP

| Product Code | Material | Weight (kg/m) | Dimensions (mm) | | | |
|--------------|--------------------|---------------|-----------------|----|----------------|----------------|
| | | | a | b | c ₁ | c ₂ |
| VS1012Y2HP | Steel (galvanised) | 1,07 | 116 | 50 | 125 | 40 |



Support Bar (with one connection hole)

VS1010D/(L1) - (L2) VS1012D/(L1) - (L2)



| Product Code | Material | Weight (kg/m) | Dimensions (mm) | | | |
|---------------|--------------------|---------------|-----------------|----------------|----|-----|
| | | | a ₁ | a ₂ | h | t |
| VS1010D/..... | Steel (galvanised) | 1,08 | 30 | 9 | 28 | 1,5 |
| VS1012D/..... | Steel (galvanised) | 2,60 | 40 | 14 | 40 | 2,5 |

Support Bar (with two connection holes)

VS1010G/(L1) - (L2) VS1012G/(L1) - (L2)



| Product Code | Material | Weight (kg/m) | Dimensions (mm) | | | |
|---------------|--------------------|---------------|-----------------|----------------|----|-----|
| | | | a ₁ | a ₂ | h | t |
| VS1010G/..... | Steel (galvanised) | 1,08 | 30 | 9 | 28 | 1,5 |
| VS1012G/..... | Steel (galvanised) | 2,60 | 40 | 14 | 40 | 2,5 |

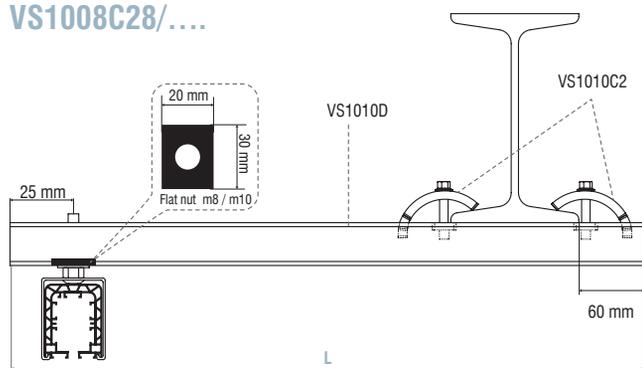
Enclosed Conductor Rail Hanger Sets

VS1008C28/(L) VS1008C40/(L)

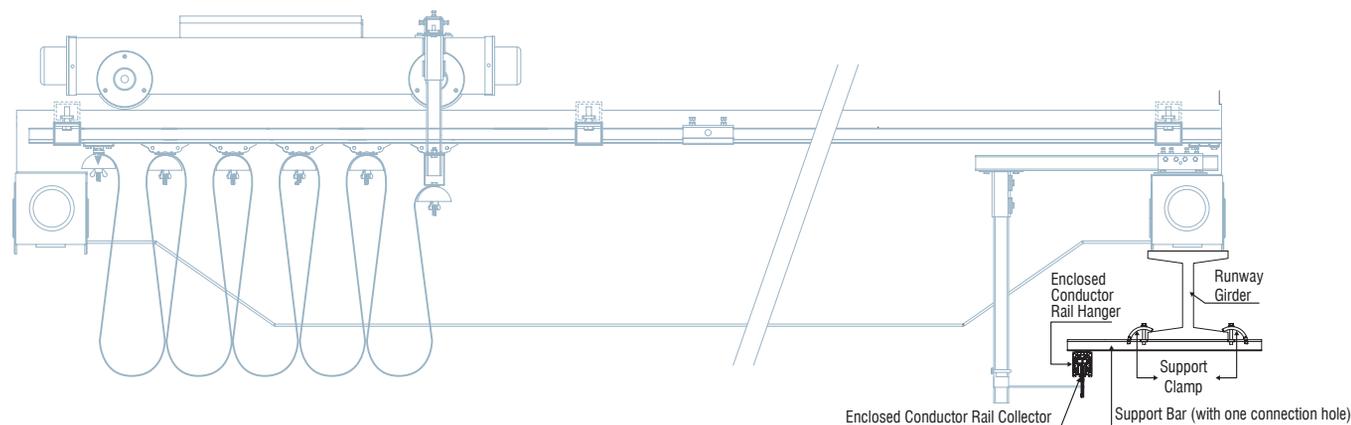
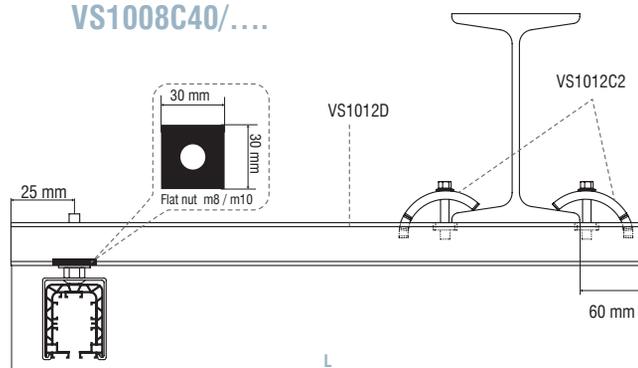


| Product Code | Material |
|----------------|--------------------|
| VS1008C28/.... | Steel (galvanised) |
| VS1008C40/.... | Steel (galvanised) |

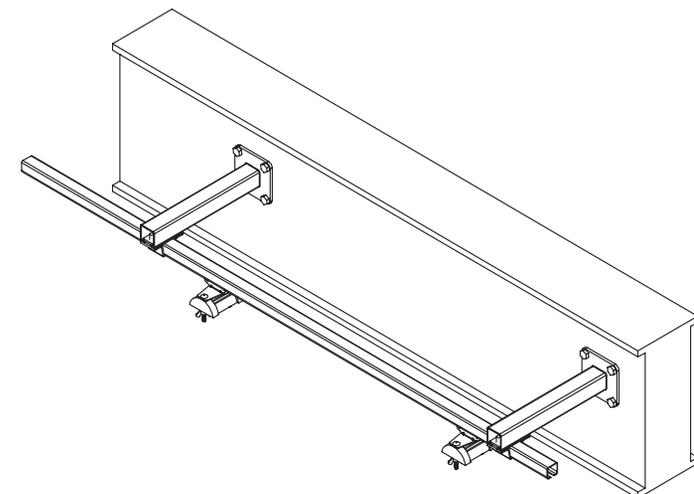
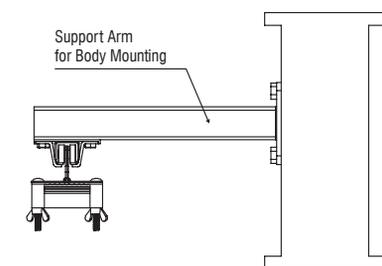
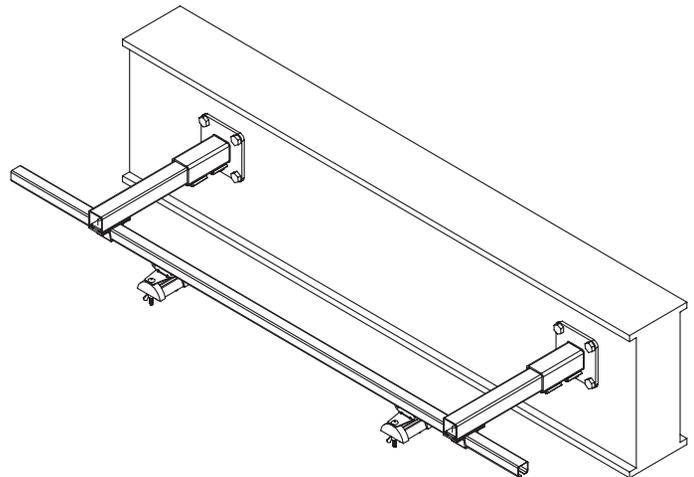
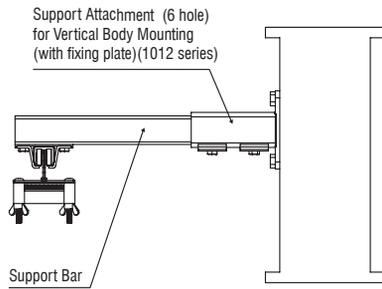
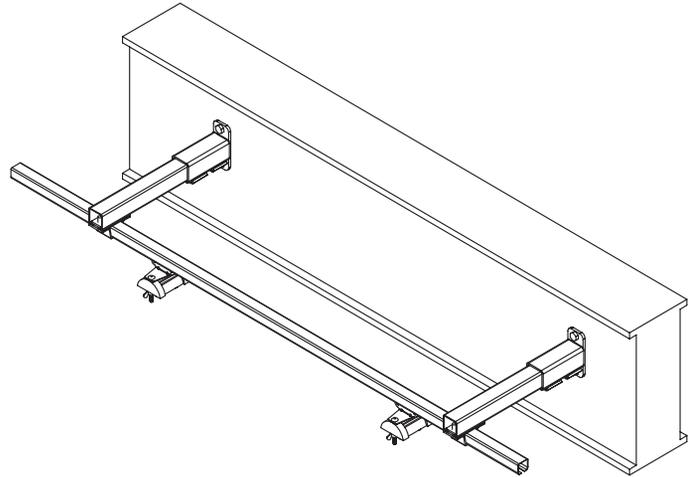
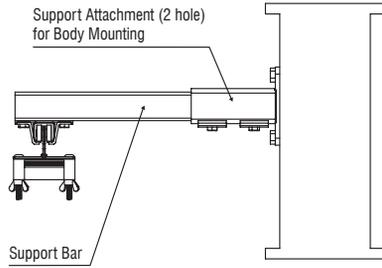
VS1008C28/....



VS1008C40/....

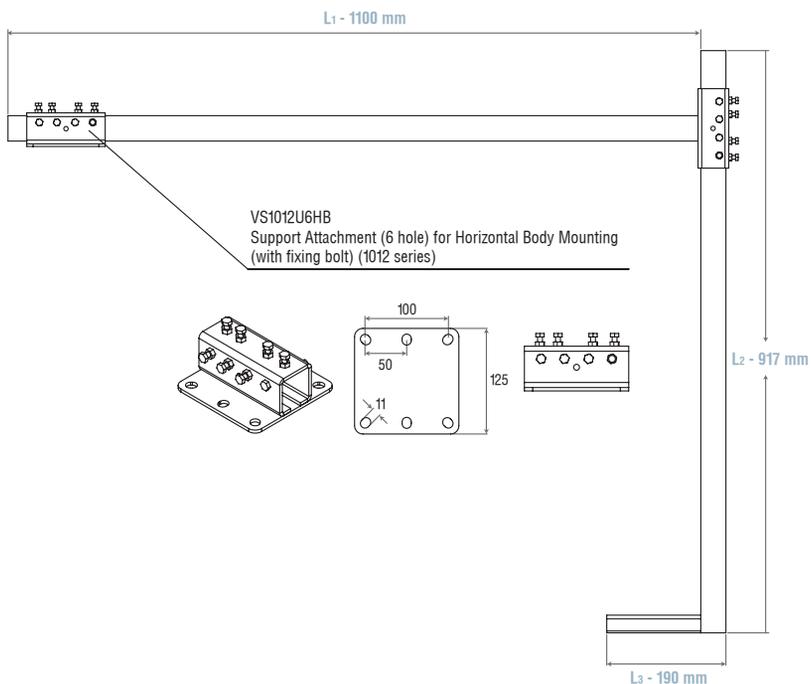


Mounting Examples with Support Attachments and Support Arms



Towing Arm Sets (for towing trolley)
VS1008AS1

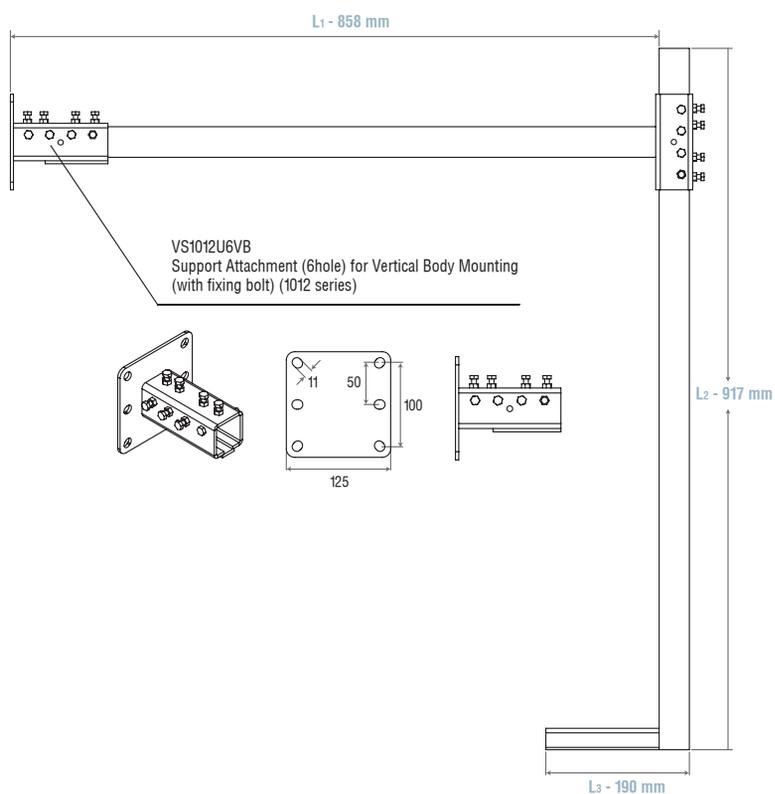
| Product Code | Material |
|--------------|--------------------|
| VS1008AS1 | Steel (galvanised) |



*See application examples for towing arrangement on page 26-27

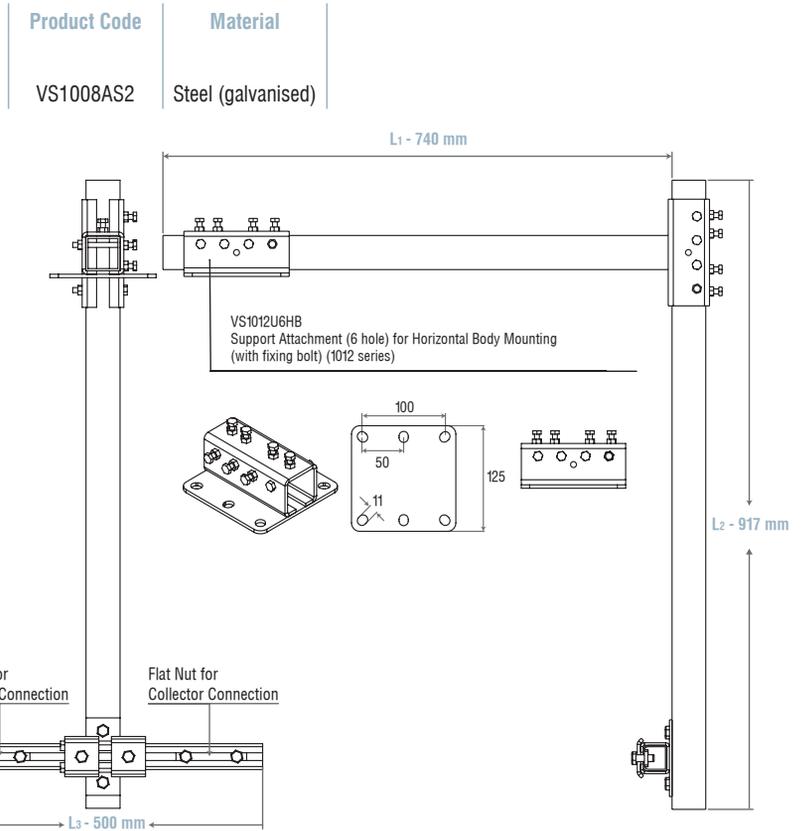
Towing Arm Sets (for towing trolley)
VS1008BS1

| Product Code | Material |
|--------------|--------------------|
| VS1008BS1 | Steel (galvanised) |



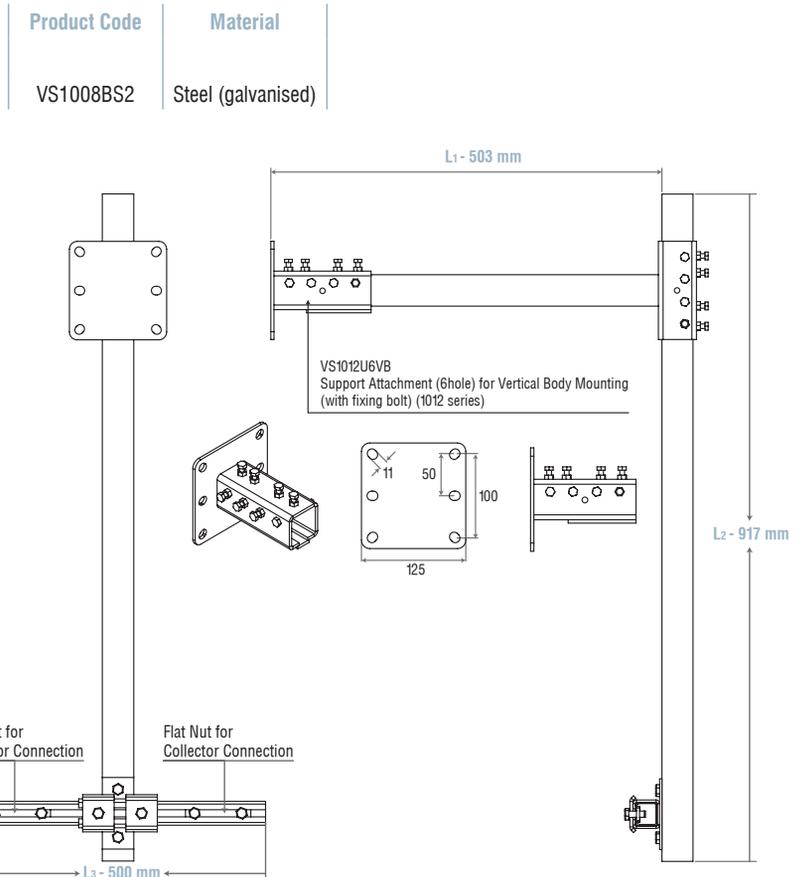
*See application examples for towing arrangement on page 26-27

Towing Arm Sets (for enclosed conductor rail collector)
VS1008AS2



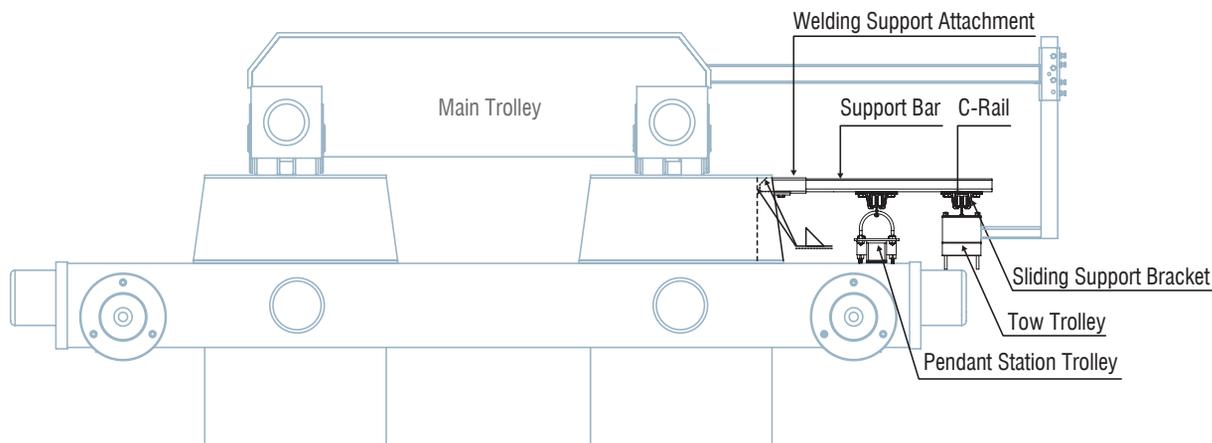
*See application examples for towing arrangement on page 27

Towing Arm Sets (for enclosed conductor rail collector)
VS1008BS2

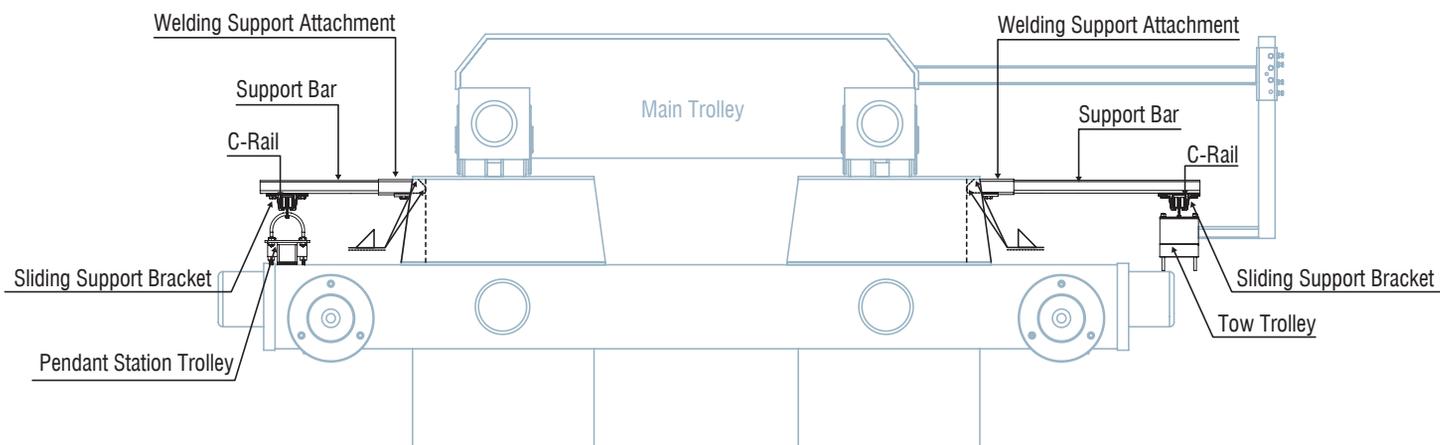


*See application examples for towing arrangement on page 27

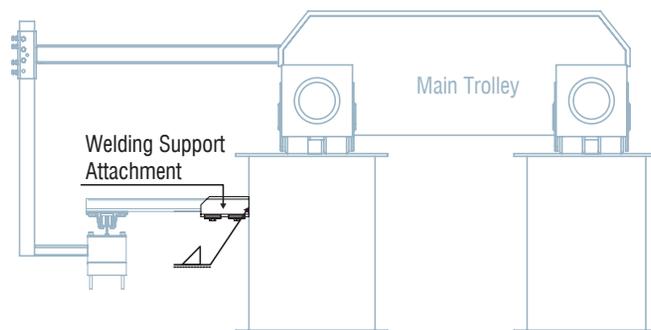
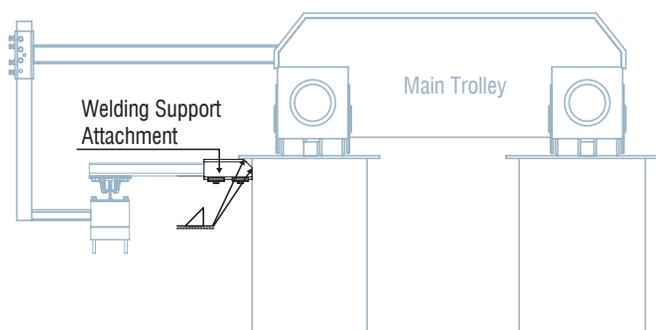
Application Example for One Side Support Bar Arrangement (double girder)



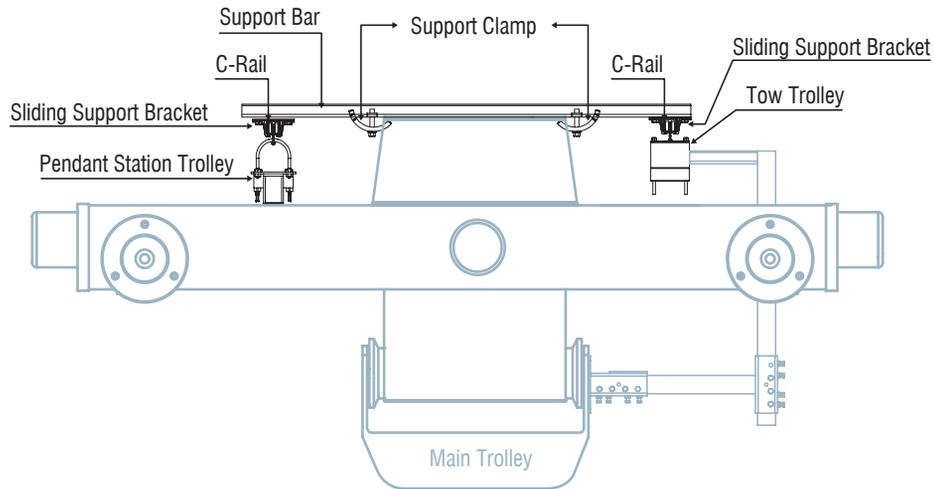
Application Example for Two Side Support Bar Arrangement (double girder)



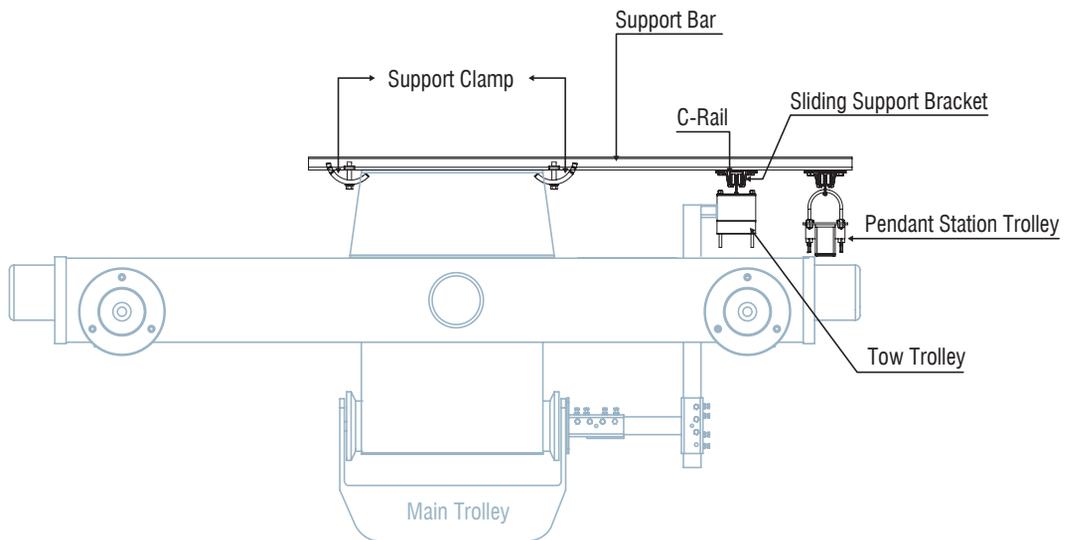
Application Types for Welding Support Attachment



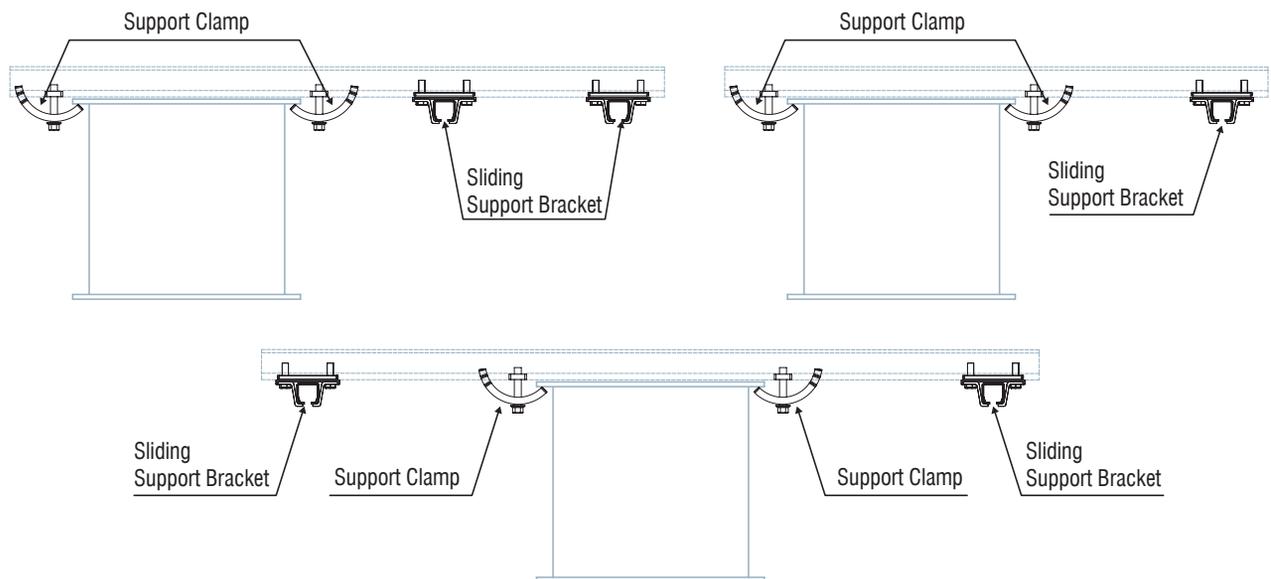
Application Example for Two Side Support Bar Arrangement (monorail system)



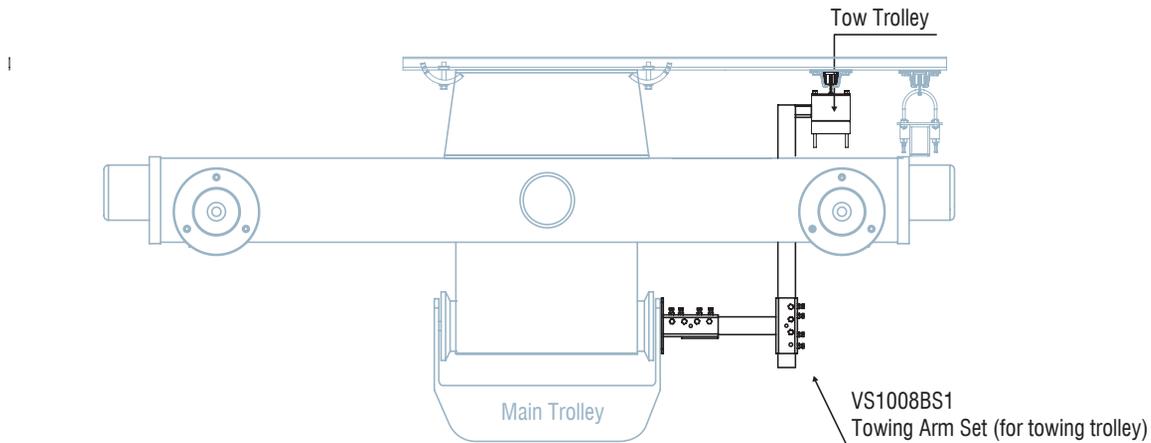
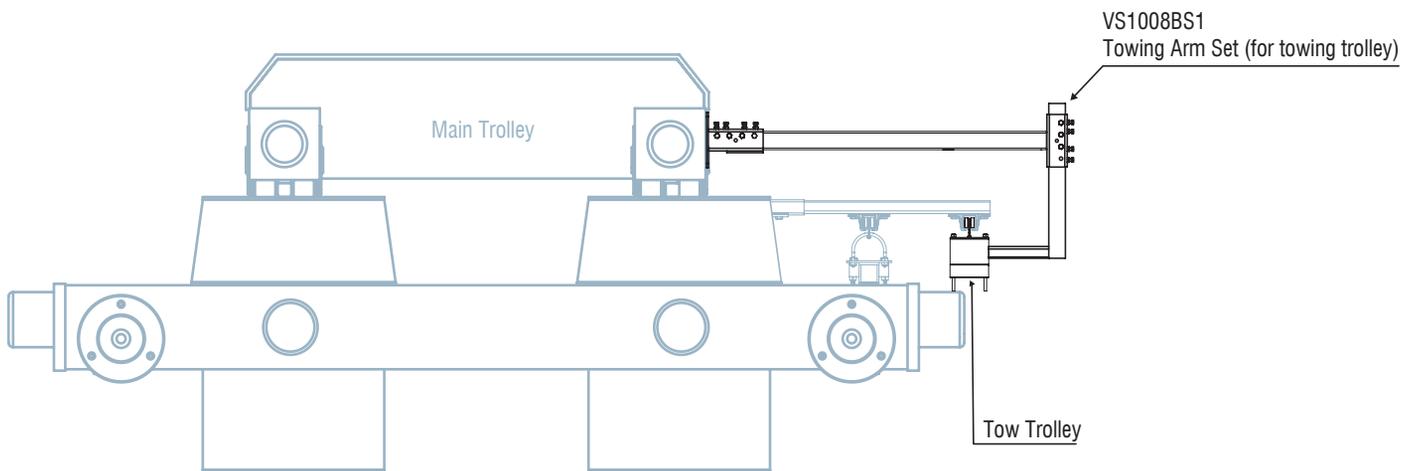
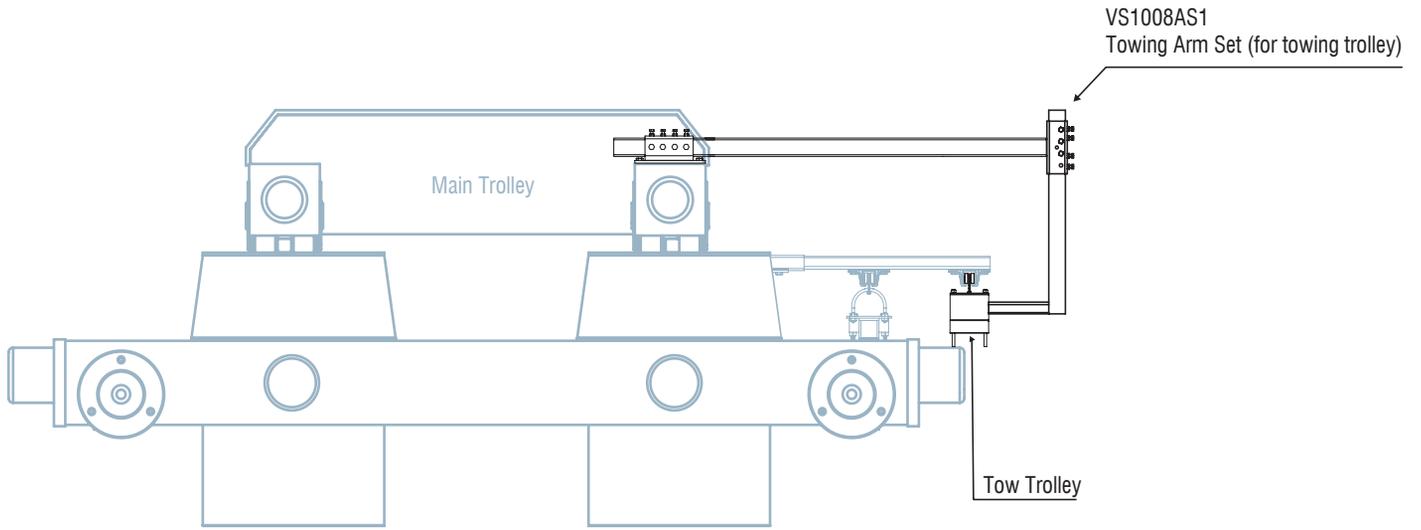
Application Example for One Side Support Bar Arrangement (monorail system)



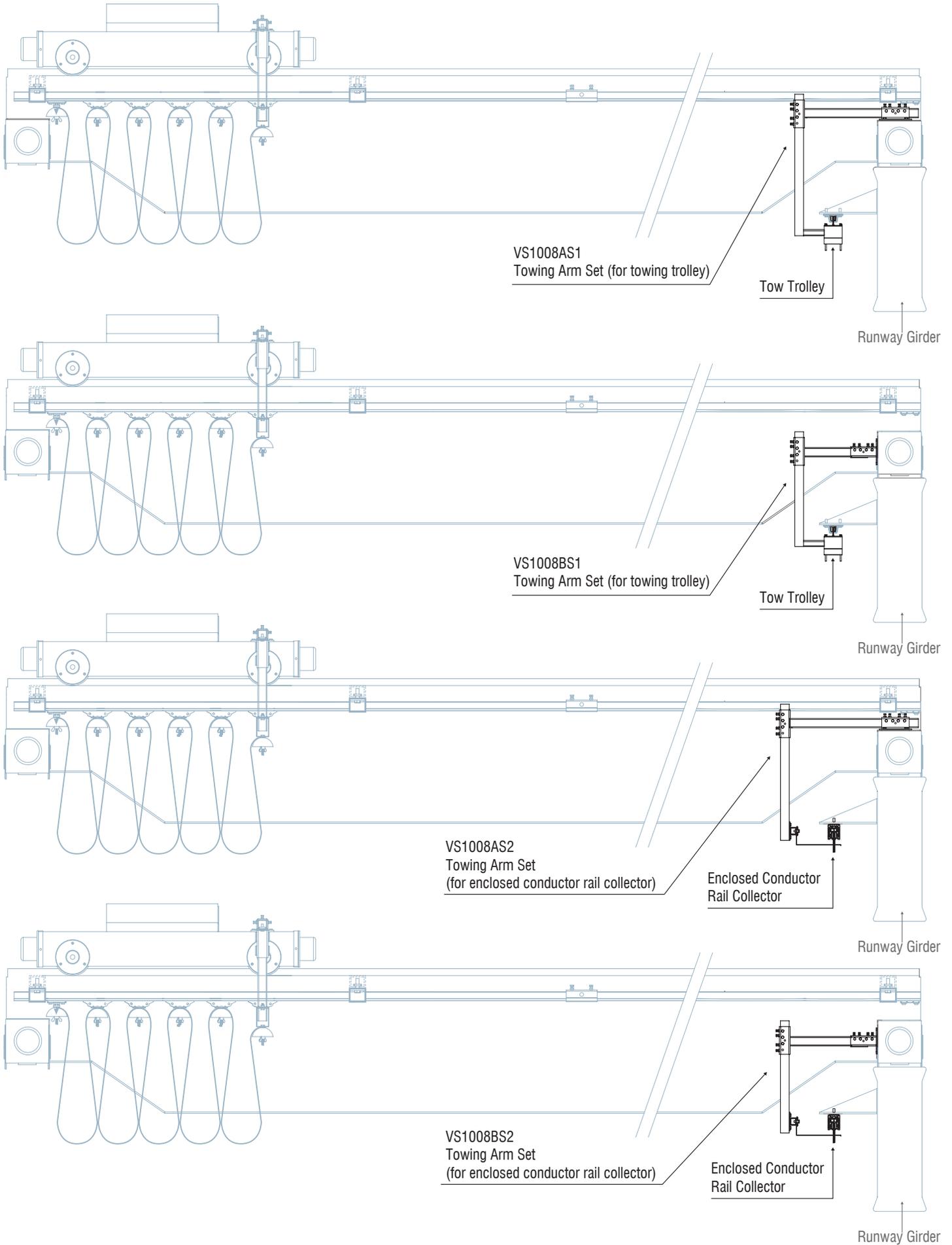
Application Types for Support Clamp



Towing Arrangement Application Examples for Main Trolley/Hoist



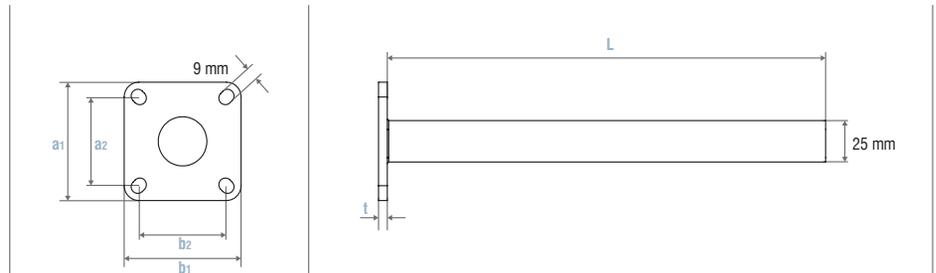
Towing Arrangement Application Examples for Runway Girder



Towing Arm
VS1007S/..^(L)



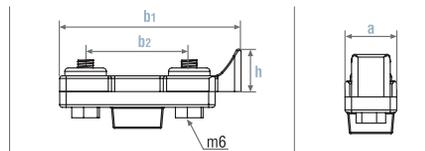
| Product Code | Material | Dimensions (mm) | | | | |
|--------------|--------------------|-----------------|----------------|----------------|----------------|---|
| | | a ₁ | a ₂ | b ₁ | b ₂ | t |
| VS1007S/... | Steel (Galvanised) | 63 | 40 | 63 | 40 | 4 |



End Stop Plastic
VS1028L1



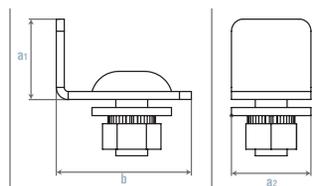
| Product Code | Material | Weight (kg) | Dimensions (mm) | | | |
|--------------|----------|-------------|-----------------|----------------|----------------|----|
| | | | a | b ₁ | b ₂ | h |
| VS1028L1 | Polyamid | 0,04 | 18 | 70 | 40 | 14 |



End Stop Steel
VS1028L5



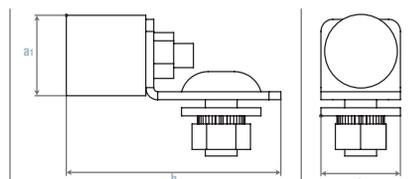
| Product Code | Material | Weight (kg) | Dimensions (mm) | | |
|--------------|--------------------|-------------|-----------------|----------------|----|
| | | | a ₁ | a ₂ | b |
| VS1028L5 | Steel (galvanised) | 0,04 | 20 | 20 | 34 |



End Stop Steel (with rubber buffer)
VS1028L4



| Product Code | Material | Weight (kg) | Dimensions (mm) | | |
|--------------|--------------------|-------------|-----------------|----------------|----|
| | | | a ₁ | a ₂ | b |
| VS1028L4 | Steel (galvanised) | 0,05 | 20 | 20 | 54 |



Plastic Cable Trolley for Platform Cables (with plastic roller)
VS1028T0-86/2



Product Code
VS1028T0-86/2

Wheel Material

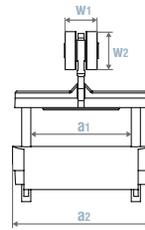
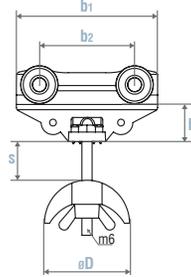
Polyamid roller
Carrier body polyamid
Support saddle polyamid
Hardware galvanized
Temperature resistance -30°C to +70°C

Max. Cable Load

4 kg per carrier

Dimensions (mm)

| | | | |
|--------------------|----|----------------|------|
| a ₁ | 64 | h | 22 |
| a ₂ | 90 | w ₁ | 21 |
| b ₁ | 82 | w ₂ | 22 |
| b ₂ | 56 | øD | 50 |
| s | 16 | | |
| Weight (kg) | | | 0,11 |



Plastic Cable Trolley for Platform Cables
VS1028T1-86/2



Product Code
VS1028T1-86/2

Wheel Material

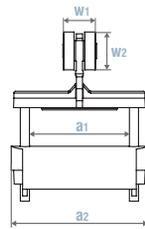
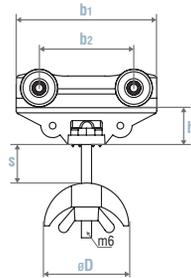
Steel roller
Carrier body polyamid
Support saddle polyamid
Hardware galvanized
Temperature resistance -30°C to +70°C

Max. Cable Load

8 kg per carrier

Dimensions (mm)

| | | | |
|--------------------|----|----------------|------|
| a ₁ | 64 | h | 22 |
| a ₂ | 90 | w ₁ | 21 |
| b ₁ | 82 | w ₂ | 22 |
| b ₂ | 56 | øD | 50 |
| s | 18 | | |
| Weight (kg) | | | 0,15 |



Steel Trolley with Plastic saddle for Platform Cables
VS1028T3-86/4



Product Code
VS1028T3-86/4

Wheel Material

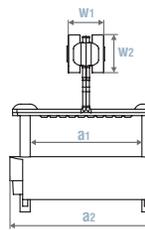
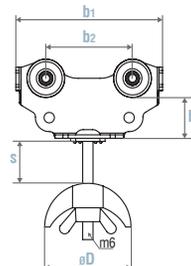
Steel roller
Carrier body steel
Support saddle polyamid
Hardware galvanized
Temperature resistance -30°C to +70°C

Max. Cable Load

10 kg per carrier

Dimensions (mm)

| | | | |
|--------------------|----|----------------|------|
| a ₁ | 64 | h | 24 |
| a ₂ | 90 | w ₁ | 21 |
| b ₁ | 85 | w ₂ | 22 |
| b ₂ | 50 | øD | 50 |
| s | 17 | | |
| Weight (kg) | | | 0,25 |



Steel Trolley for Platform Cables VS1028T5-86/4



Product Code
VS1028T5-86/4

Wheel Material

Steel roller

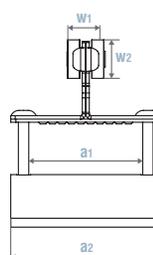
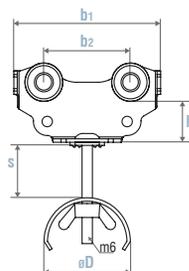
Carrier body steel
Support saddle steel
Hardware galvanized
Temperature resistance -30°C to +70°C

Max. Cable Load

16 kg per carrier

Dimensions (mm)

| | | | |
|-------------------------|----|----------------|----|
| a ₁ | 64 | h | 24 |
| a ₂ | 87 | w ₁ | 21 |
| b ₁ | 85 | w ₂ | 22 |
| b ₂ | 50 | øD | 50 |
| s | 17 | | |
| Weight (kg) 0,33 | | | |



Steel Trolley with Plastic saddle for Platform Cables (u-bolt) VS1028T3-86/4-S



Product Code
VS1028T3-86/4-S

Wheel Material

Steel roller

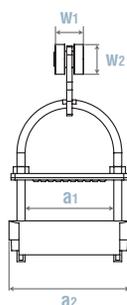
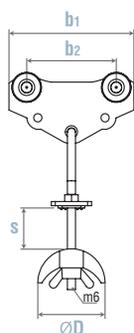
Carrier body steel
Support saddle polyamid
Hardware galvanized
Temperature resistance -30°C to +70°C

Max. Cable Load

10 kg per carrier

Dimensions (mm)

| | | | |
|-------------------------|----|----------------|----|
| a ₁ | 64 | w ₁ | 21 |
| a ₂ | 90 | w ₂ | 22 |
| b ₁ | 93 | øD | 50 |
| b ₂ | 66 | s | 21 |
| Weight (kg) 0,38 | | | |



Steel Trolley for Platform Cables (u-bolt) VS1028T5-86/4-S



Product Code
VS1028T5-86/4-S

Wheel Material

Steel roller

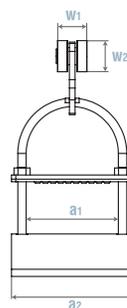
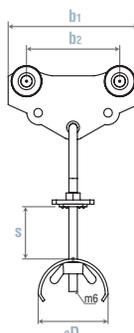
Carrier body steel
Support saddle steel
Hardware galvanized
Temperature resistance -30°C to +70°C

Max. Cable Load

16 kg per carrier

Dimensions (mm)

| | | | |
|-------------------------|----|----------------|----|
| a ₁ | 64 | w ₁ | 21 |
| a ₂ | 90 | w ₂ | 22 |
| b ₁ | 93 | øD | 50 |
| b ₂ | 66 | s | 21 |
| Weight (kg) 0,38 | | | |



Steel Trolley with Plastic saddle for Platform Cables
VS1028T3-105/4



Product Code
VS1028T3-105/4

Wheel
Material

Steel roller

Carrier body steel
Support saddle polyamid
Hardware galvanized
Temperature resistance -30°C to +70°C

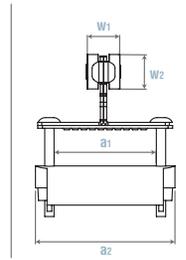
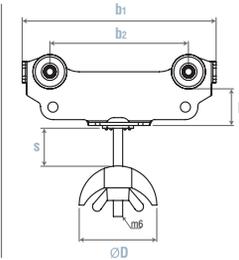
Max. Cable Load

10 kg per carrier

Dimensions (mm)

| | | | |
|----------------|-----|----------------|----|
| a ₁ | 64 | h | 24 |
| a ₂ | 90 | w ₁ | 21 |
| b ₁ | 125 | w ₂ | 22 |
| b ₂ | 89 | øD | 50 |
| s | 37 | | |

Weight (kg) 0,29



Steel Trolley for Platform Cables
VS1028T5-105/4



Product Code
VS1028T5-105/4

Wheel
Material

Steel roller

Carrier body steel
Support saddle steel
Hardware galvanized
Temperature resistance -30°C to +70°C

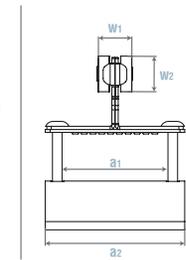
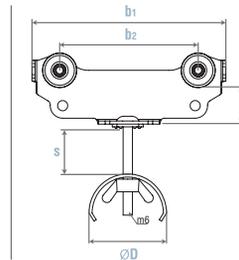
Max. Cable Load

16 kg per carrier

Dimensions (mm)

| | | | |
|----------------|-----|----------------|----|
| a ₁ | 64 | h | 24 |
| a ₂ | 87 | w ₁ | 21 |
| b ₁ | 125 | w ₂ | 22 |
| b ₂ | 89 | øD | 50 |
| s | 37 | | |

Weight (kg) 0,37



Steel Trolley for Platform Cables
VS1028T5-105/6



Product Code
VS1028T5-105/6

Wheel
Material

Steel roller

Carrier body steel
Support saddle steel
Hardware galvanized
Temperature resistance -30°C to +70°C

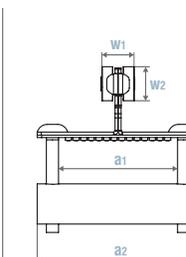
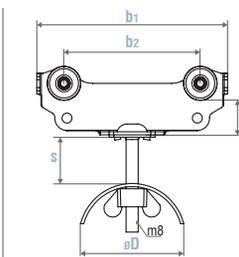
Max. Cable Load

16 kg per carrier

Dimensions (mm)

| | | | |
|----------------|-----|----------------|----|
| a ₁ | 74 | h | 24 |
| a ₂ | 106 | w ₁ | 21 |
| b ₁ | 125 | w ₂ | 22 |
| b ₂ | 89 | øD | 80 |
| s | 22 | | |

Weight (kg) 0,53

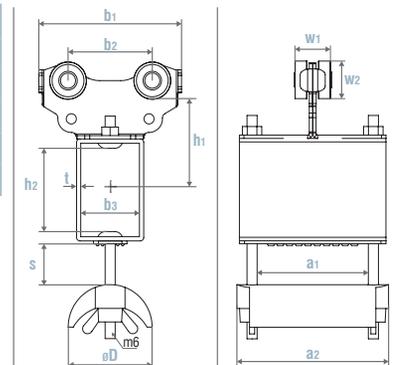


Towing Trolley with Plastic saddle for Platform Cables VS1028P3-86/4



| | | | |
|------------------------|---------------|-----------------|---|
| Product Code | VS1028P3-86/4 | Wheel | Steel roller |
| Material | | Material | Carrier body steel Support saddle polyamid Hardware galvanized Temperature resistance -30°C to +70°C |
| Max. Cable Load | | | 10 kg per carrier |

| Weight (kg) | Dimensions (mm) | | | | | | | | | | | |
|-------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|----|-----|
| | a ₁ | a ₂ | b ₁ | b ₂ | b ₃ | h ₁ | h ₂ | w ₁ | w ₂ | s | øD | t |
| 0,56 | 64 | 90 | 85 | 50 | 35 | 54 | 48 | 21 | 22 | 17 | 50 | 2,5 |

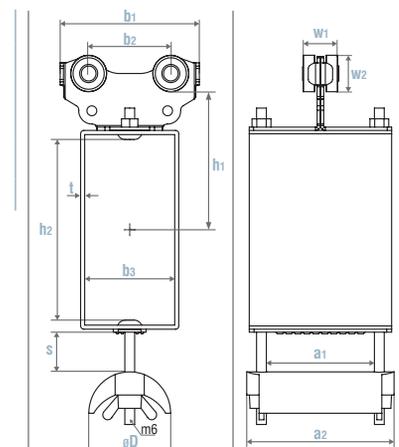


Towing Trolley for Platform Cables VS1028P3-86/41



| | | | |
|------------------------|----------------|-----------------|---|
| Product Code | VS1028P3-86/41 | Wheel | Steel roller |
| Material | | Material | Carrier body steel Support saddle Polyamid Hardware galvanized Temperature resistance -30°C to +70°C |
| Max. Cable Load | | | 10 kg per carrier |

| Weight (kg) | Dimensions (mm) | | | | | | | | | | | |
|-------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|----|-----|
| | a ₁ | a ₂ | b ₁ | b ₂ | b ₃ | h ₁ | h ₂ | w ₁ | w ₂ | s | øD | t |
| 1,19 | 64 | 90 | 85 | 50 | 55 | 84 | 108 | 21 | 22 | 17 | 50 | 2,5 |



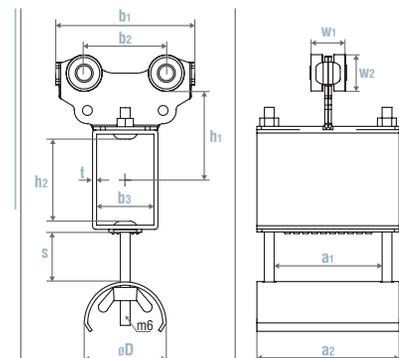
• It is suggested for the systems which needs high performance options for the vertical movement distance of the towing arm.

Towing Trolley for Platform Cables VS1028P5-86/4



| | | | |
|------------------------|---------------|-----------------|--|
| Product Code | VS1028P5-86/4 | Wheel | Steel roller |
| Material | | Material | Carrier body steel Support saddle steel Hardware galvanized Temperature resistance -30°C to +70°C |
| Max. Cable Load | | | 16 kg per carrier |

| Weight (kg) | Dimensions (mm) | | | | | | | | | | | |
|-------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|----|-----|
| | a ₁ | a ₂ | b ₁ | b ₂ | b ₃ | h ₁ | h ₂ | w ₁ | w ₂ | s | øD | t |
| 0,64 | 64 | 87 | 85 | 50 | 35 | 54 | 48 | 21 | 22 | 17 | 50 | 2,5 |

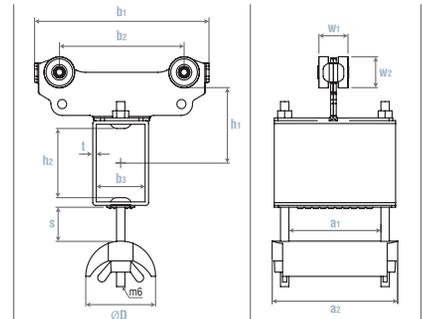


Towing Trolley with Plastic saddle for Platform Cables
VS1028P3-105/4



| | | | |
|------------------------|-------------------|-----------------|---|
| Product Code | VS1028P3-105/4 | Wheel | Steel roller |
| Material | | Material | Carrier body steel Support saddle polyamid Hardware galvanized Temperature resistance -30°C to +70°C |
| Max. Cable Load | 10 kg per carrier | | |

| Weight (kg) | Dimensions (mm) | | | | | | | | | | | |
|-------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|----|-----|
| | a ₁ | a ₂ | b ₁ | b ₂ | b ₃ | h ₁ | h ₂ | w ₁ | w ₂ | s | øD | t |
| 0,58 | 64 | 90 | 125 | 89 | 35 | 54 | 48 | 21 | 22 | 37 | 50 | 2,5 |

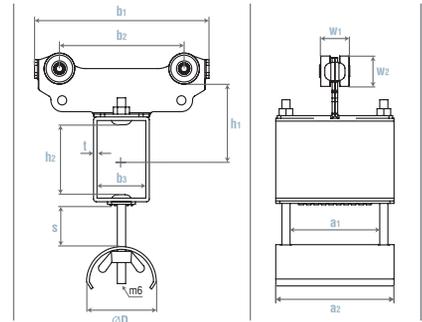


Towing Trolley for Platform Cables
VS1028P5-105/4



| | | | |
|------------------------|-------------------|-----------------|--|
| Product Code | VS1028P5-105/4 | Wheel | Steel roller |
| Material | | Material | Carrier body steel Support saddle steel Hardware galvanized Temperature resistance -30°C to +70°C |
| Max. Cable Load | 16 kg per carrier | | |

| Weight (kg) | Dimensions (mm) | | | | | | | | | | | |
|-------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|----|-----|
| | a ₁ | a ₂ | b ₁ | b ₂ | b ₃ | h ₁ | h ₂ | w ₁ | w ₂ | s | øD | t |
| 0,66 | 64 | 87 | 125 | 89 | 35 | 54 | 48 | 21 | 22 | 37 | 50 | 2,5 |

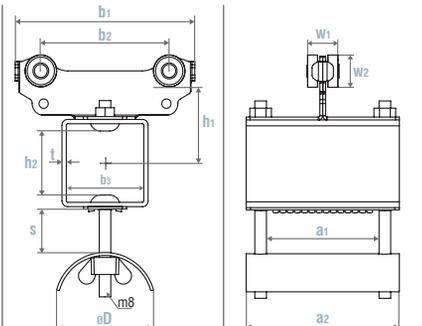


Towing Trolley for Platform Cables
VS1028P5-105/6



| | | | |
|------------------------|-------------------|-----------------|--|
| Product Code | VS1028P5-105/6 | Wheel | Steel roller |
| Material | | Material | Carrier body steel Support saddle steel Hardware galvanized Temperature resistance -30°C to +70°C |
| Max. Cable Load | 16 kg per carrier | | |

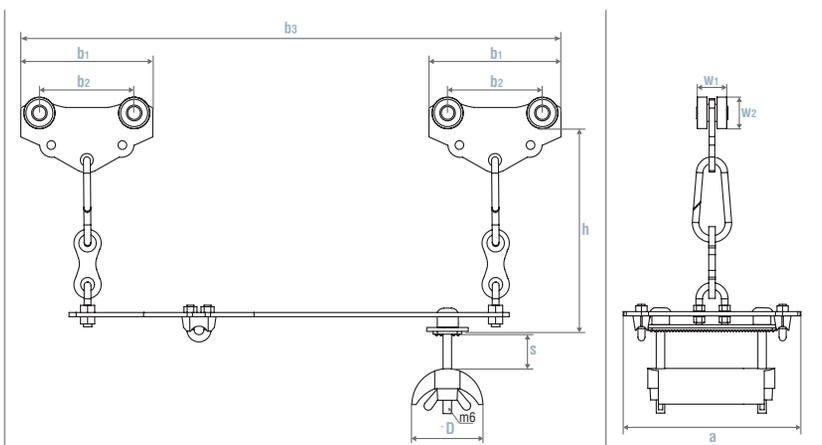
| Weight (kg) | Dimensions (mm) | | | | | | | | | | | |
|-------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|----|-----|
| | a ₁ | a ₂ | b ₁ | b ₂ | b ₃ | h ₁ | h ₂ | w ₁ | w ₂ | s | øD | t |
| 1.00 | 74 | 106 | 125 | 89 | 55 | 54 | 40 | 21 | 22 | 22 | 80 | 2,5 |



Pendant Station Trolley with plastic saddle for Flatrom Cables VS1028F3-86/4



| | | | | |
|---------------------|------------------------|---|------------------------|------|
| Product Code | Wheel | Steel roller | Dimensions (mm) | |
| VS1028F3-86/4 | Material | Carrier body steel Support saddle polyamid Hardware galvanized Temperature resistance -30°C to +70°C | a | 114 |
| | Max. Cable Load | 10 kg per carrier | b ₁ | 93 |
| | | | w ₁ | 21 |
| | | | b ₂ | 66 |
| | | | w ₂ | 22 |
| | | | b ₃ | 420 |
| | | | ∅D | 50 |
| | | | s | 17 |
| | | | Weight (kg) | 1,37 |



• This products is generally used together with the mounting of 16 and 24 way plug and sockets. This facilitates fast and easy mounting.

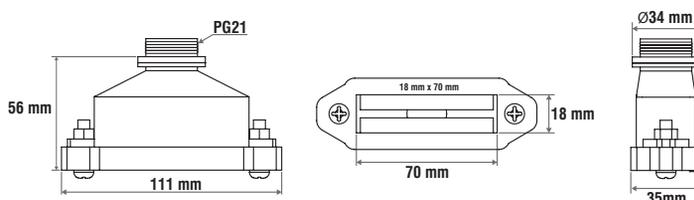
• This also saves time and reduces the service expenditure with minimum interference to the system when it is needed in some conditions; such as repairment, failure and service.

• Socket which is mounted to the product is placed in this photograph to illustrate the application, not sold with product.

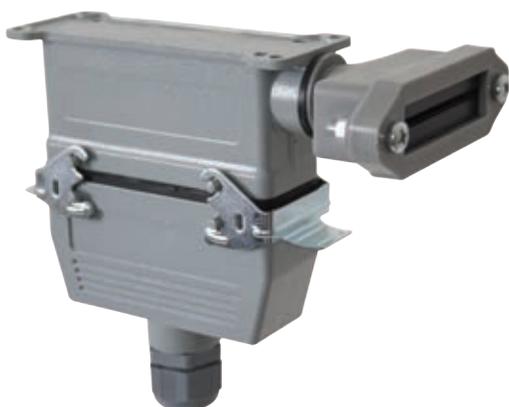
Cable Gland for Flatrom Cable PG21(18mmx70mm) VS1028F-FG21/18x70



| | | |
|---------------------|--------------------------------|---------------|
| Product Code | Material | Polyamid |
| VS1028F-FG21/18x70 | Cable Clamping Capacity | 18 mm x 70 mm |



Plug and Socket Sets VS1028F-S16FR / VS1028F-S24FR



| | |
|---------------------|----------------------------------|
| Product Code | Product Name |
| VS1028F-S16FR | Plug and Socket Set (FR)(16 way) |
| VS1028F-S24FR | Plug and Socket Set (FR)(24 way) |

■ Pendant Station Trolley for Platform Cables VS1028F5-86/4



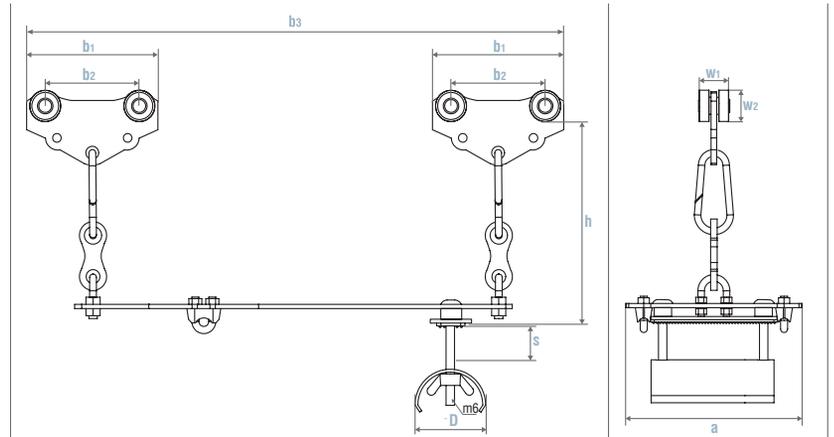
Product Code
VS1028F5-86/4

Wheel Material

Steel roller
Carrier body steel
Support saddle steel
Hardware galvanized
Temperature resistance -30°C to +70°C

Max. Cable Load
16 kg per carrier

| Dimensions (mm) | | | |
|--------------------|-----|----------------|------|
| a | 114 | h | 145 |
| b ₁ | 93 | w ₁ | 21 |
| b ₂ | 66 | w ₂ | 22 |
| b ₃ | 420 | ∅D | 50 |
| s | 17 | | |
| Weight (kg) | | | 1,45 |



• This product is generally used together with the mounting of 16 and 24 way plug and sockets. This facilitates fast and easy mounting.

• This also saves time and reduces the service expenditure with minimum interference to the system when it is needed in some conditions; such as repairment, failure and service.

• Socket which is mounted to the product is placed in this photograph to illustrate the application, not sold with product.

■ Pendant Station Trolley for Platform Cables VS1028F5-105/6



Product Code

VS1028F5-105/6

Wheel

Steel roller

Material

Carrier body steel
Support saddle steel
Hardware galvanized
Temperature resistance -30°C to +70°C

Max. Cable Load

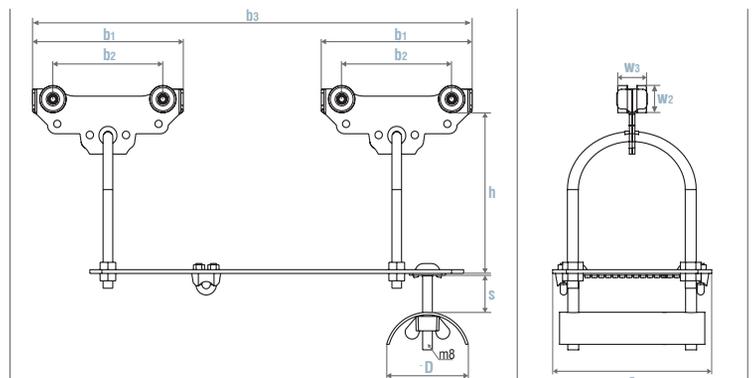
16 kg per carrier

Weight (kg)

2,15

Dimensions (mm)

| | | | | | | | | |
|-----|----------------|----------------|----------------|-----|----------------|----------------|----|----|
| a | b ₁ | b ₂ | b ₃ | h | w ₁ | w ₂ | s | ∅D |
| 116 | 125 | 89 | 365 | 130 | 21 | 22 | 22 | 80 |



• This product is generally used together with the mounting of 16 and 24 way plug and sockets. This facilitates fast and easy mounting.

• This also saves time and reduces the service expenditure with minimum interference to the system when it is needed in some conditions; such as repairment, failure and service.

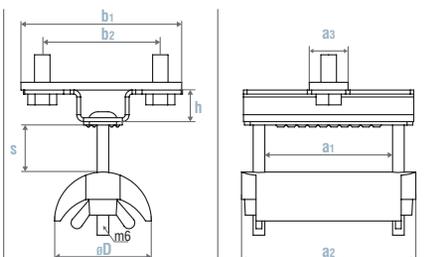
• Socket which is mounted to the product is placed in this photograph to illustrate the application, not sold with product.

Start Clamp with plastic saddle for Platform Cables

VS1028H3-86/4



| Product Code | Material | Steel body | Dimensions (mm) | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|--|---|---|----------------|----|----------------|----|----------------|----|----------------|----|----------------|----|---|----|---|----|----|----|--|--|--|-------------|--|--|--|------|
| VS1028H3-86/4 | Support saddle polyamid Hardware galvanized | Support saddle polyamid Hardware galvanized Temperature resistance -30°C to +70°C | <table border="1"> <tr> <td>a₁</td> <td>64</td> <td>b₁</td> <td>83</td> </tr> <tr> <td>a₂</td> <td>90</td> <td>b₂</td> <td>61</td> </tr> <tr> <td>a₃</td> <td>20</td> <td>h</td> <td>13</td> </tr> <tr> <td>s</td> <td>17</td> <td>øD</td> <td>50</td> </tr> <tr> <td colspan="3"></td> <td>Weight (kg)</td> </tr> <tr> <td colspan="3"></td> <td>0,25</td> </tr> </table> | a ₁ | 64 | b ₁ | 83 | a ₂ | 90 | b ₂ | 61 | a ₃ | 20 | h | 13 | s | 17 | øD | 50 | | | | Weight (kg) | | | | 0,25 |
| a ₁ | 64 | b ₁ | 83 | | | | | | | | | | | | | | | | | | | | | | | | |
| a ₂ | 90 | b ₂ | 61 | | | | | | | | | | | | | | | | | | | | | | | | |
| a ₃ | 20 | h | 13 | | | | | | | | | | | | | | | | | | | | | | | | |
| s | 17 | øD | 50 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Weight (kg) | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 0,25 | | | | | | | | | | | | | | | | | | | | | | | | |
| | Max. Cable Load | 10 kg per carrier | | | | | | | | | | | | | | | | | | | | | | | | | |

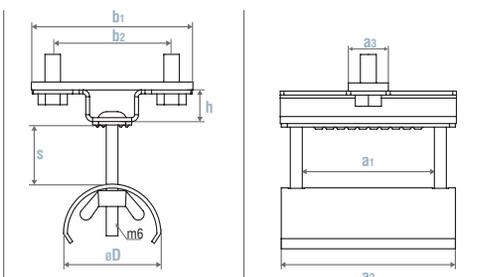


Start Clamp (steel) for Platform Cables

VS1028H5-86/4



| Product Code | Material | Steel body | Dimensions (mm) | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|--|---|----------------|----|----------------|----|----------------|----|----------------|----|----------------|----|---|----|---|----|----|----|--|--|--|-------------|--|--|--|------|
| VS1028H5-86/4 | Support saddle steel Hardware galvanized | Support saddle steel Hardware galvanized Temperature resistance -30°C to +70°C | <table border="1"> <tr> <td>a₁</td> <td>64</td> <td>b₁</td> <td>83</td> </tr> <tr> <td>a₂</td> <td>87</td> <td>b₂</td> <td>61</td> </tr> <tr> <td>a₃</td> <td>20</td> <td>h</td> <td>13</td> </tr> <tr> <td>s</td> <td>17</td> <td>øD</td> <td>50</td> </tr> <tr> <td colspan="3"></td> <td>Weight (kg)</td> </tr> <tr> <td colspan="3"></td> <td>0,33</td> </tr> </table> | a ₁ | 64 | b ₁ | 83 | a ₂ | 87 | b ₂ | 61 | a ₃ | 20 | h | 13 | s | 17 | øD | 50 | | | | Weight (kg) | | | | 0,33 |
| a ₁ | 64 | b ₁ | 83 | | | | | | | | | | | | | | | | | | | | | | | | |
| a ₂ | 87 | b ₂ | 61 | | | | | | | | | | | | | | | | | | | | | | | | |
| a ₃ | 20 | h | 13 | | | | | | | | | | | | | | | | | | | | | | | | |
| s | 17 | øD | 50 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Weight (kg) | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 0,33 | | | | | | | | | | | | | | | | | | | | | | | | |
| | Max. Cable Load | 16 kg per carrier | | | | | | | | | | | | | | | | | | | | | | | | | |

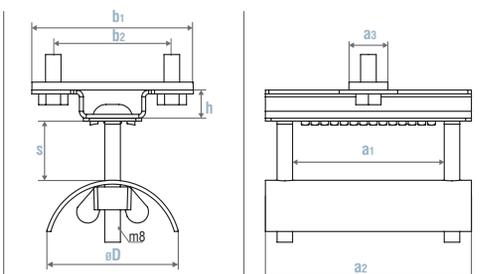


Start Clamp (steel) for Platform Cables

VS1028H5-105/6



| Product Code | Material | Steel body | Dimensions (mm) | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|--|--|----------------|----|----------------|----|----------------|-----|----------------|----|----------------|----|---|----|---|----|----|----|--|--|--|-------------|--|--|--|------|
| VS1028H5-105/6 | Support saddle steel Hardware galvanized | Support saddle steel Hardware galvanized Temperature resistance -30°C to +70°C | <table border="1"> <tr> <td>a₁</td> <td>74</td> <td>b₁</td> <td>83</td> </tr> <tr> <td>a₂</td> <td>106</td> <td>b₂</td> <td>61</td> </tr> <tr> <td>a₃</td> <td>20</td> <td>h</td> <td>13</td> </tr> <tr> <td>s</td> <td>22</td> <td>øD</td> <td>80</td> </tr> <tr> <td colspan="3"></td> <td>Weight (kg)</td> </tr> <tr> <td colspan="3"></td> <td>0,52</td> </tr> </table> | a ₁ | 74 | b ₁ | 83 | a ₂ | 106 | b ₂ | 61 | a ₃ | 20 | h | 13 | s | 22 | øD | 80 | | | | Weight (kg) | | | | 0,52 |
| a ₁ | 74 | b ₁ | 83 | | | | | | | | | | | | | | | | | | | | | | | | |
| a ₂ | 106 | b ₂ | 61 | | | | | | | | | | | | | | | | | | | | | | | | |
| a ₃ | 20 | h | 13 | | | | | | | | | | | | | | | | | | | | | | | | |
| s | 22 | øD | 80 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Weight (kg) | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 0,52 | | | | | | | | | | | | | | | | | | | | | | | | |
| | Max. Cable Load | 16 kg per carrier | | | | | | | | | | | | | | | | | | | | | | | | | |



Plastic Trolley (ball joint)
VS1028T6



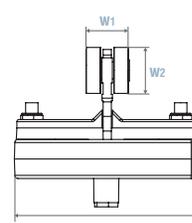
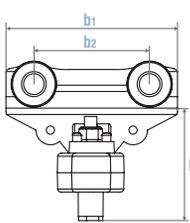
Product Code
VS1028T6

Wheel
Material

Steel roller
Carrier body polyamid
Ball joint polyamid
Hardware galvanized
Temperature resistance -30°C to +70°C

Max. Cable Load 8 kg per carrier

| Dimensions (mm) | | | |
|--------------------|----|----------------|------|
| a | 86 | w ₁ | 21 |
| b ₁ | 82 | w ₂ | 22 |
| b ₂ | 56 | | |
| h | 52 | | |
| Weight (kg) | | | 0,13 |



Steel Trolley (ball joint)
VS1028T7



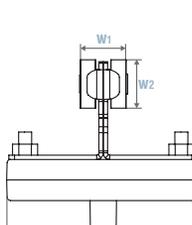
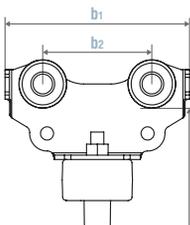
Product Code
VS1028T7

Wheel
Material

Steel roller
Carrier body steel
Ball joint polyamid
Hardware galvanized
Temperature resistance -30°C to +70°C

Max. Cable Load 10 kg per carrier

| Dimensions (mm) | | | |
|--------------------|----|----------------|------|
| a | 87 | w ₁ | 21 |
| b ₁ | 85 | w ₂ | 22 |
| b ₂ | 50 | | |
| h | 55 | | |
| Weight (kg) | | | 0,24 |



Steel Trolley (U-bolt)
VS1028T9



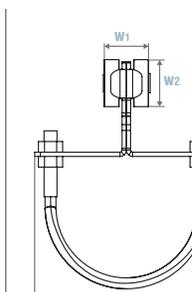
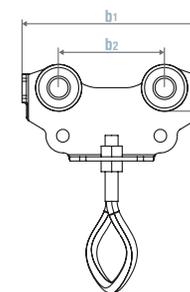
Product Code
VS1028T9

Wheel
Material

Steel roller
Carrier body steel
Hardware galvanized
Temperature resistance -30°C to +70°C

Max. Cable Load 16 kg per carrier

| Dimensions (mm) | | | |
|--------------------|----|----------------|------|
| a | 87 | h | 83 |
| b ₁ | 93 | w ₁ | 21 |
| b ₂ | 66 | w ₂ | 22 |
| Weight (kg) | | | 0,23 |





Usually festoon systems need various quantity of cables to feed the system (to supply main hoist, control application, movement operations, and control of safeguard systems), u-bolt support saddle systems provides great flexibility, (especially for roundform cables)

By the fastening one saddle to another one it is available to be use up to 4 different cable in the same system According to the trolley's carrying capacity limits

Tow Trolley (ball joint)
VS1028P7



Product Code
VS1028P7

Wheel Material

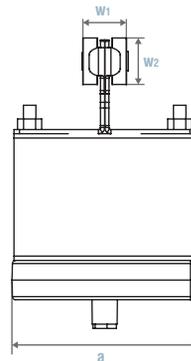
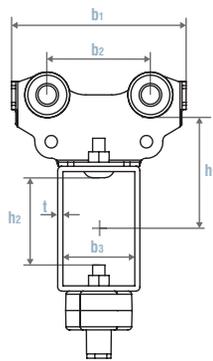
Steel roller
Carrier body steel
Ball joint polyamid
Hardware galvanized
Temperature resistance -30°C to +70°C

Max. Cable Load 10 kg per carrier

Dimensions (mm)

| | | | |
|----------------|-----|----------------|----|
| a | 87 | h ₁ | 54 |
| b ₁ | 85 | h ₂ | 48 |
| b ₂ | 50 | w ₁ | 21 |
| b ₃ | 35 | w ₂ | 22 |
| t | 2,5 | | |

Weight (kg) 0,56



Towing Trolley (U-bolt)
VS1028P9



Product Code
VS1028P9

Wheel Material

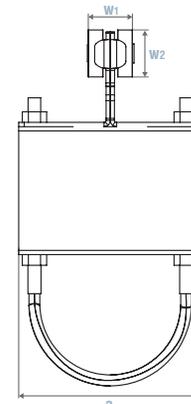
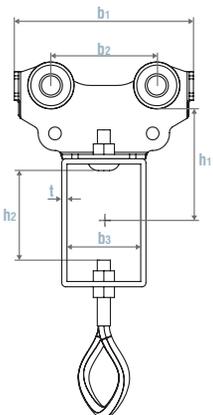
Steel roller
Carrier body steel
Hardware galvanized
Temperature resistance -30°C to +70°C

Max. Cable Load 16 kg per carrier

Dimensions (mm)

| | | | |
|----------------|-----|----------------|----|
| a | 87 | h ₁ | 54 |
| b ₁ | 85 | h ₂ | 48 |
| b ₂ | 50 | w ₁ | 21 |
| b ₃ | 35 | w ₂ | 22 |
| t | 2,5 | | |

Weight (kg) 0,54

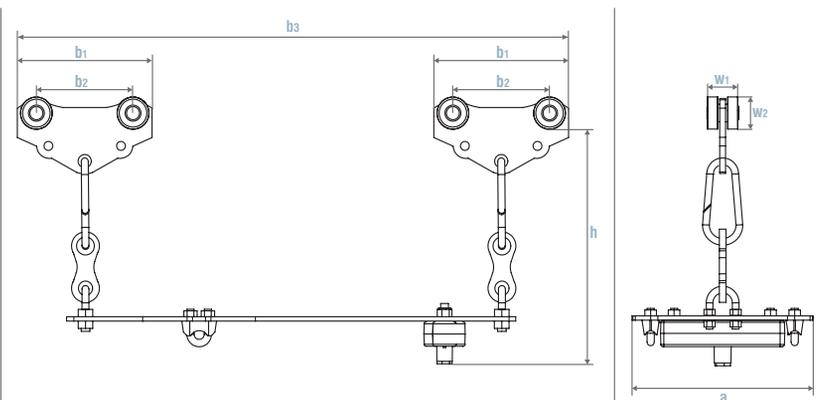


Pendant Station Trolley (ball joint)
VS1028F7



- This products is generally used together with the mounting of 16 and 24 way plug and sockets. This facilitates fast and easy mounting.
- This also saves time and reduces the service expenditure with mininum interference to the system when it is needed in some conditions; such as repairment, failure and service.
- Socket which is mounted to the product is placed in this photograph to illustrate the application, not sold with product.

| | | | | |
|------------------------|-------------------|---|------------------------|------|
| Product Code | Wheel | Steel roller | Dimensions (mm) | |
| VS1028F7 | Material | Carrier body steel Ball joint polyamid Hardware galvanized Temperature resistance -30°C to +70°C | a | 114 |
| | | | h | 165 |
| | | | b ₁ | 93 |
| | | | w ₁ | 21 |
| | | | b ₂ | 66 |
| | | | w ₂ | 22 |
| | | | b ₃ | 420 |
| Max. Cable Load | 10 kg per carrier | | Weight (kg) | 1,40 |

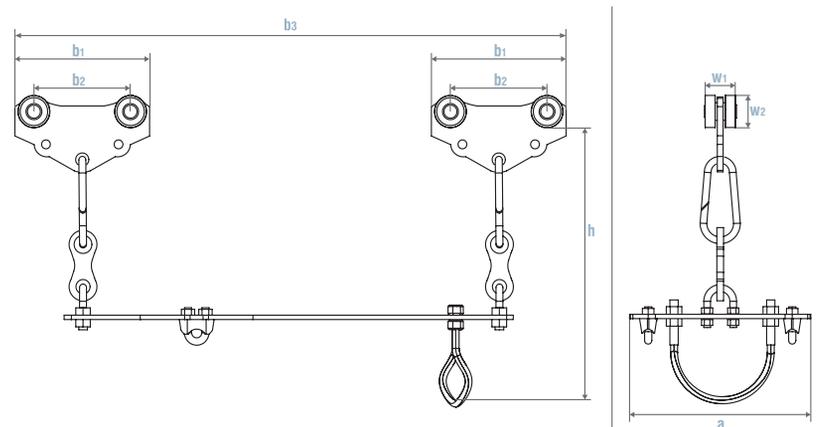


Pendant Station Trolley (U-bolt)
VS1028F9

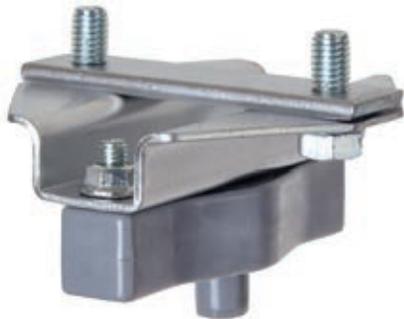


- This products is generally used together with the mounting of 16 and 24 way plug and sockets. This facilitates fast and easy mounting.
- This also saves time and reduces the service expenditure with mininum interference to the system when it is needed in some conditions; such as repairment, failure and service.
- Socket which is mounted to the product is placed in this photograph to illustrate the application, not sold with product.

| | | | | |
|------------------------|-------------------|--|------------------------|------|
| Product Code | Wheel | Steel roller | Dimensions (mm) | |
| VS1028F9 | Material | Carrier body steel Hardware galvanized Temperature resistance -30°C to +70°C | a | 114 |
| | | | h | 195 |
| | | | b ₁ | 93 |
| | | | w ₁ | 21 |
| | | | b ₂ | 66 |
| | | | w ₂ | 22 |
| | | | b ₃ | 420 |
| Max. Cable Load | 16 kg per carrier | | Weight (kg) | 1,34 |



■ **Start Clamp (ball joint)**
VS1028H7



Product Code
VS1028H7

Material

Steel body
Ball joint polyamid
Hardware galvanized
Temperature resistance -30°C to +70°C

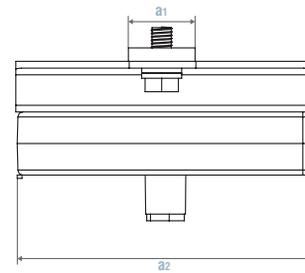
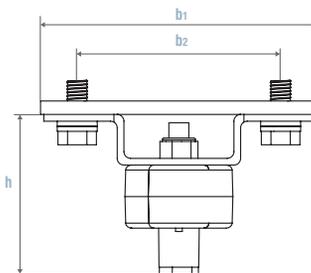
Max. Cable Load

10 kg per carrier

Dimensions (mm)

a₁ 20
a₂ 88
b₁ 83
b₂ 60
h 43

Weight (kg) 0,22



■ **Start Clamp (U-bolt)**
VS1028H9



Product Code
VS1028H9

Material

Steel body
Hardware galvanized
Temperature resistance -30°C to +70°C

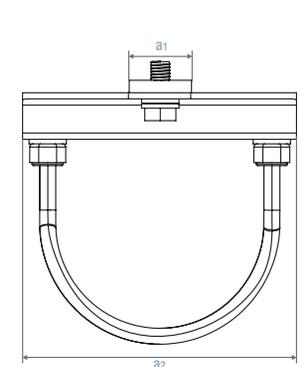
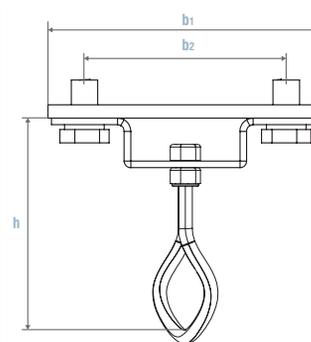
Max. Cable Load

16 kg per carrier

Dimensions (mm)

a₁ 20
a₂ 88
b₁ 83
b₂ 60
h 71

Weight (kg) 0,21



Support Saddle Type 10-16
VS1014M-16



| | | | |
|-----------------------------------|-----------------------------|---|--|
| Product Code VS1014M-16 | Material Polyamid | Cable Clamping Capacity 10 mm / 16 mm | Dimensions (mm) a ₁ 70 a ₂ 35 b 42 Weight (kg) 0,04 |
| | | | |

Support Saddle Type 17-25
VS1014M-25



| | | | |
|-----------------------------------|-----------------------------|---|--|
| Product Code VS1014M-25 | Material Polyamid | Cable Clamping Capacity 17 mm / 25 mm | Dimensions (mm) a ₁ 98 a ₂ 49 b 50 Weight (kg) 0,06 |
| | | | |

Support Saddle Type 26-36
VS1014M-36



| | | | |
|-----------------------------------|-----------------------------|---|---|
| Product Code VS1014M-36 | Material Polyamid | Cable Clamping Capacity 26 mm / 36 mm | Dimensions (mm) a ₁ 138 a ₂ 69 b 64 Weight (kg) 0,11 |
| | | | |

■ **Support Saddle Type 10-16 (U-bolt)**
VS1014Z-16



Product Code
VS1014Z-16

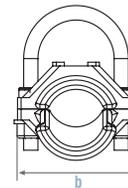
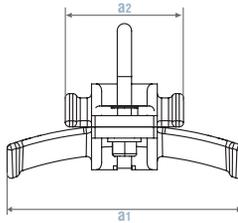
Material
Cable Clamping Capacity

Polyamid
10 mm / 16 mm

Dimensions (mm)

a₁ | 70
a₂ | 35
b | 42

Weight (kg) 0,04



■ **Support Saddle Type 17-25 (U-bolt)**
VS1014Z-25



Product Code
VS1014Z-25

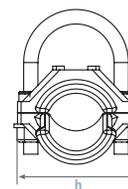
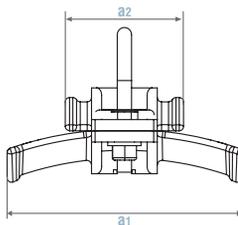
Material
Cable Clamping Capacity

Polyamid
17 mm / 25 mm

Dimensions (mm)

a₁ | 98
a₂ | 49
b | 50

Weight (kg) 0,07



■ **Support Saddle Type 26-36 (U-bolt)**
VS1014Z-36



Product Code
VS1014Z-36

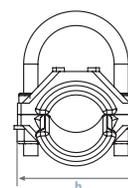
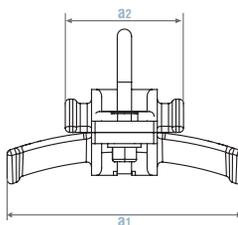
Material
Cable Clamping Capacity

Polyamid
26 mm / 36 mm

Dimensions (mm)

a₁ | 138
a₂ | 69
b | 64

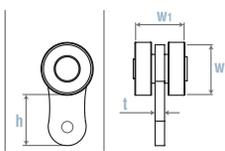
Weight (kg) 0,13



Suspension Trolley (2 Wheel) VS1028S2



| | | |
|---------------------|------------------|--|
| Product Code | Wheel | Steel roller |
| VS1028S4-2 | Material | Carrier body steel Hardware galvanized Temperature resistance -30°C to +70°C |
| | Max. Load | 10 kg per carrier |

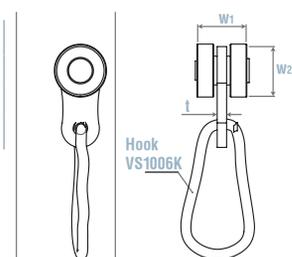


| | | | | |
|--------------------|------------------------|----------------------|----------------------|----------|
| Weight (kg) | Dimensions (mm) | | | |
| | h | w₁ | w₂ | t |
| 0,05 | 13 | 21 | 22 | 4 |

Suspension Trolley (2 Wheel) with hook VS1028S2-K



| | | |
|---------------------|-----------------|--|
| Product Code | Wheel | Steel roller |
| VS1028S4-2 | Material | Carrier body steel Hardware galvanized Temperature resistance -30°C to +70°C |



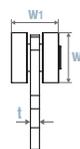
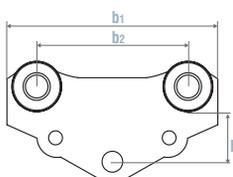
| | | | |
|--------------------|------------------------|----------------------|----------|
| Weight (kg) | Dimensions (mm) | | |
| | w₁ | w₂ | t |
| 0,07 | 21 | 22 | 4 |

Suspension Trolley (4 Wheel) VS1028S4



| | | |
|---------------------|------------------|--|
| Product Code | Wheel | Steel roller |
| VS1028S2-4 | Material | Carrier body steel Hardware galvanized Temperature resistance -30°C to +70°C |
| | Max. Load | 16 kg per carrier |

| | | | |
|------------------------|----|----------------------|------|
| Dimensions (mm) | | | |
| b₁ | 93 | w₁ | 21 |
| b₂ | 66 | w₂ | 22 |
| h | 22 | t | 4 |
| Weight (kg) | | | 0,16 |

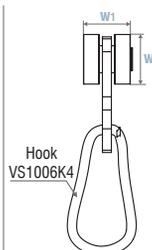
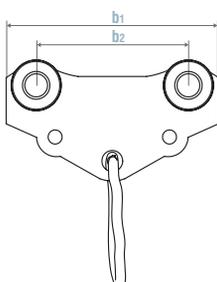


Suspension Trolley (4 Wheel) with hook VS1028S4-K



| | | |
|---------------------|-----------------|--|
| Product Code | Wheel | Steel roller |
| VS1028S5-4 | Material | Carrier body steel Hardware galvanized Temperature resistance -30°C to +70°C |

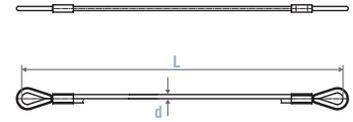
| | | | |
|------------------------|----|----------------------|------|
| Dimensions (mm) | | | |
| b₁ | 93 | w₁ | 21 |
| b₂ | 66 | w₂ | 22 |
| Weight (kg) | | | 0,18 |



Tow Rope
VS1006R4/....



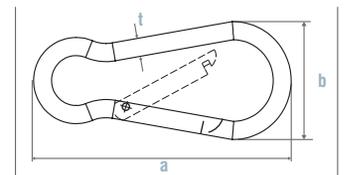
| Product Code | Material | Dimensions (mm) |
|---------------|---------------------|-----------------|
| VS1006R4/.... | Steel (PVC covered) | d 4 |



Hook
VS1006K4



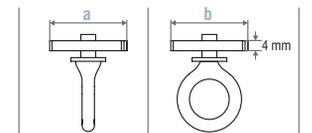
| Product Code | Material | Weight (kg) | Dimensions (mm) | | |
|--------------|--------------------|-------------|-----------------|----|---|
| | | | a | b | t |
| VS1006K4 | Steel (galvanised) | 0,02 | 40 | 12 | 4 |



Rope Eye
VS1006E28



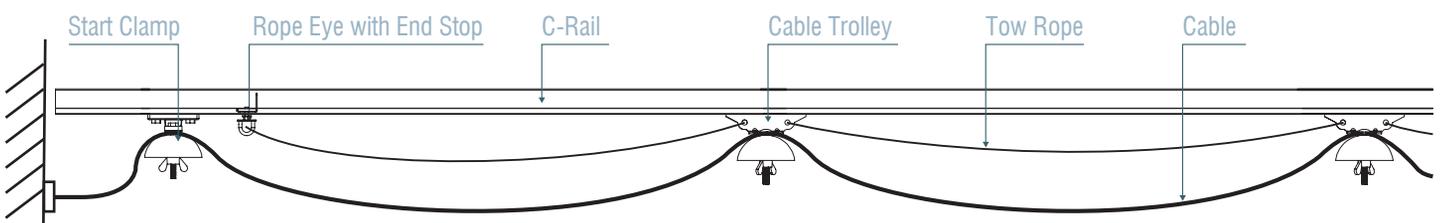
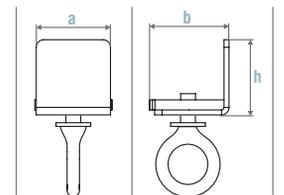
| Product Code | Material | Weight (kg) | Dimensions (mm) | |
|-------------------------------|----------|-------------|-----------------|----|
| | | | a | b |
| VS1006E28 (for 1028 series) | Steel | 0,08 | 20 | 30 |



Rope Eye with End Stop
VS1006L28



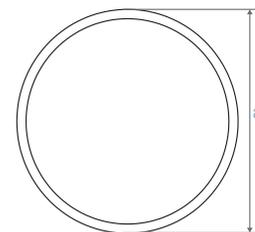
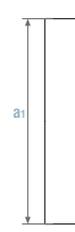
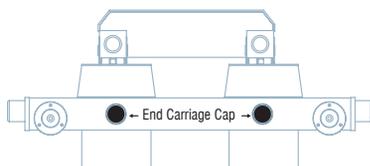
| Product Code | Material | Weight (kg) | Dimensions (mm) | | |
|-------------------------------|----------|-------------|-----------------|----|----|
| | | | a | b | h |
| VS1006L28 (for 1028 series) | Steel | 0,10 | 20 | 22 | 22 |



■ End Carriage Cap VS-1004Y-120 / VS-1004Y-150



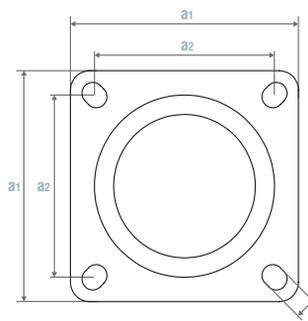
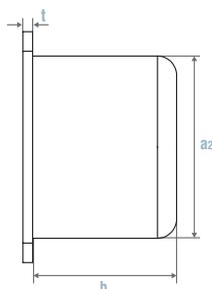
| Product Code | Material | Weight (kg) | Dimensions (mm) | |
|--------------|----------|-------------|-----------------|----------------|
| | | | a ₁ | a ₂ |
| VS-1004Y-120 | PE | 0,04 | 120 | 130 |
| VS-1004Y-150 | PE | 0,05 | 150 | 160 |



■ Rubber Buffers with Mounting Plate



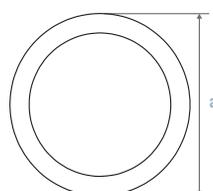
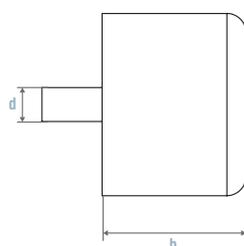
| Product Code | Product | Dimensions (mm) | | | | |
|-----------------|-------------------------|-----------------|----------------|-----|----|----|
| | | a ₁ | a ₂ | b | d | t |
| VS1005T-50x55 | Rubber Buffers T50x55 | 65 | 50 | 55 | 7 | 3 |
| VS1005T-75x60 | Rubber Buffers T75x60 | 95 | 75 | 60 | 11 | 4 |
| VS1005T-100x100 | Rubber Buffers T100x100 | 125 | 100 | 100 | 15 | 6 |
| VS1005T-150x150 | Rubber Buffers T150x150 | 200 | 150 | 150 | 17 | 8 |
| VS1005T-200x200 | Rubber Buffers T200x200 | 250 | 200 | 200 | 21 | 10 |



■ Rubber Buffers with Mounting Bolt



| Product Code | Product | Dimensions (mm) | | |
|-----------------|-------------------------|-----------------|-----|-----|
| | | a | b | d |
| VS1005C-20x20 | Rubber Buffers C20x20 | 20 | 20 | m6 |
| VS1005C-25x20 | Rubber Buffers C25x20 | 25 | 20 | m6 |
| VS1005C-30x30 | Rubber Buffers C30x30 | 30 | 30 | m6 |
| VS1005C-50x55 | Rubber Buffers C50x55 | 50 | 55 | m8 |
| VS1005C-75x60 | Rubber Buffers C75x60 | 75 | 60 | m12 |
| VS1005C-100x100 | Rubber Buffers C100x100 | 100 | 100 | m14 |
| VS1005C-150x150 | Rubber Buffers C150x150 | 150 | 150 | m16 |
| VS1005C-200x200 | Rubber Buffers C200x200 | 200 | 200 | m20 |



TECHNICAL

Technical drawing area with a grid of dashed lines for specifications or drawings.

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