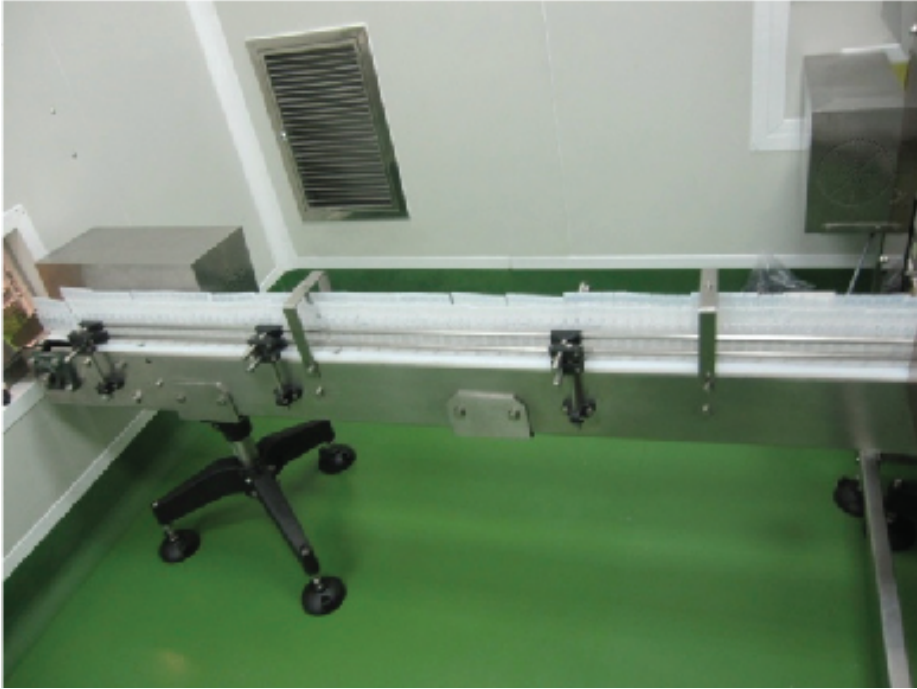


Conveyor System DS2



Description

63mm width thermoplastic chain with stainless steel frame conveyor system. Also available with aluminium frame, please refer section MS2.

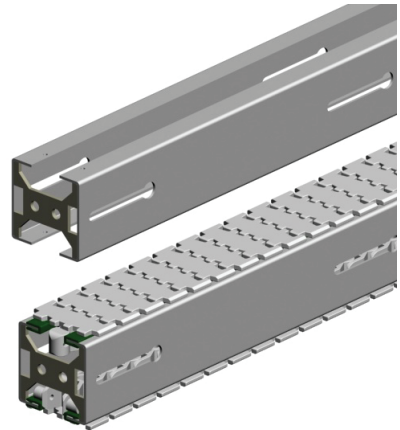
Examples of application industries

Personal Products, Pharmaceutical & Chemical Industry, Automotive & Machined Parts Industry, Food & Packaging Industry, Electrical & Electronic Industry, Paper Converting Industry and Optical Industry

Technical characteristics

Chain Width		63 mm
Chain Pitch		25.4 mm
Chain Weight		0.8 kg/m
Chain Maximum Working Tension		600 N
Max Product Weight*	Horizontal Transport	15 kg
	Vertical Transport	10 kg
Total Load*		200 Kg
Working Temperature*		-10°C to 60°C
Max Conveyor Length*		30m
Max Speed*		50 m/min
Drive Unit Capacity		600 N
Item Width*		15-140 mm

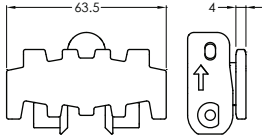
* Actual limit may vary according to conveyor layout and application.



Please consult MODU representative for further information and assistance.

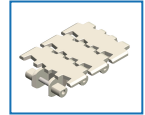
Units: Dimension (mm)

Chains DS2

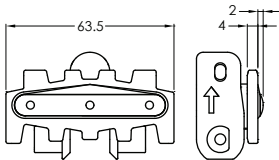


Plain Chain

- Suitable for conveyor configuration with incline/decline up to 5°.
- Accumulation possible.

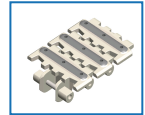


Item Code	Material	Colour	Weight	Supply
MS2 CP 5	POM	White	4.0 kg/roll	5m/roll
MS2 CP 5A	Anti-Static	Black	4.0 kg/roll	5m/roll
MS2 CP 5K	POM-Kevlar	Yellow	6.0 kg/roll	5m/roll

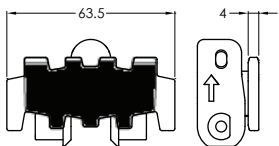


Friction Chain

- Suitable for conveyor configuration with incline/decline up to 25°.
- Friction material : TPU (grey).
- Accumulation not possible.

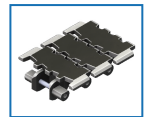


Item Code	Material	Colour	Weight	Supply
MS2 CF 5	POM	White	4.5 kg/roll	5m/roll
MS2 CF 5A	Anti-Static	Black	4.5 kg/roll	5m/roll
MS2 CF 5K	POM-Kevlar	Yellow	6.5 kg/roll	5m/roll

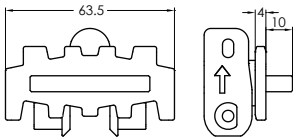


Flocked Chain

- Suitable for scratch sensitive material.
- Flock colour : Black.
- Accumulation possible for light product only.
- Sticker type only

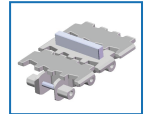


Item Code	Material	Colour	Weight	Supply
MS2 CL 5	POM	White	4.2 kg/roll	5m/roll



Cleated Chain - Machined PE Cleated

- Required for vertical or steeply inclined / declined conveyor.
- Accumulation not possible.
- Not suitable to be use with Combined and Catenary Drive.
- Please specify pitch between cleat for ordering (eg. MS2 CC 3x10P 3p = Every 3rd link to be cleated).
- **Please consult MODU representative for actual Chain weight.



* Other cleated height are available upon request.

Item Code	Material	Colour	Weight	Supply
MS2 CC 3	POM	White	** kg/roll	3m/roll

Chain Accessories DS2

Lubricant For Chain



Silicone-based lubricant,
400ml

Item Code	Weight	Supply
MA SL	0.35 kg	1 pc

Stainless Steel Pin



Item Code	Weight	Supply
MS2 PN M4x37	0.07 kg	10 pcs/pkt

Chain Pivot



Item Code	Weight	Supply
MS2 PV	0.01 kg	10 pcs/pkt

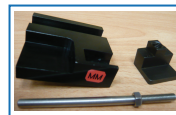
Chain Pin Insertion Tool



Chain pin insertion tool
shown without attachment
& specific drive pin

Item Code	Weight	Supply
TR CP 1	1.2 kg	1 pc

Attachment For Chain Tool



Chain attachment & drive pin

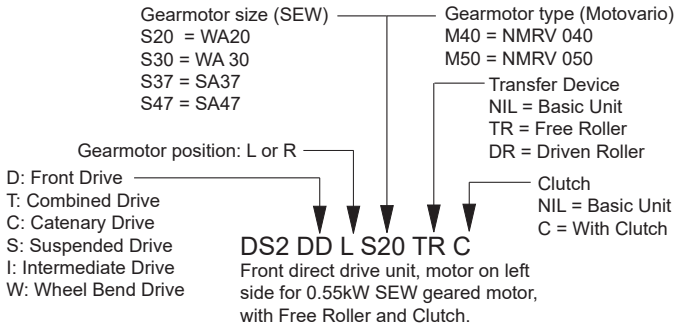
Item Code	Weight	Supply
MS2 AC	0.20 kg	1 set

Please consult MODU representative for further information and assistance.

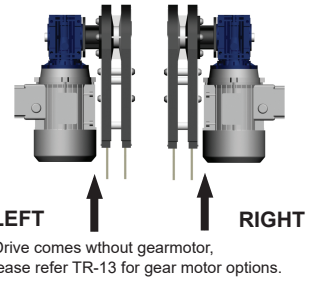
Units: Dimension (mm)

Drive Units DS2

Item Code Guideline For Drive Units



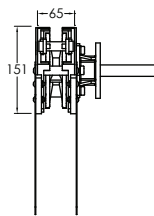
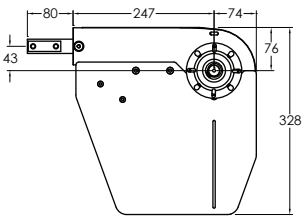
Motor Orientation Guideline



eg. Code for Basic unit; DS2 DT R M50 => Combined drive unit, motor on right side for Motovario NMRV 050 geared motor.

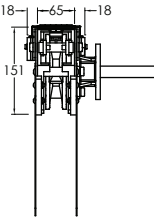
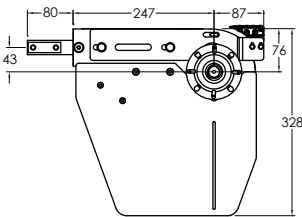
Front Drive Unit

Basic Front Drive



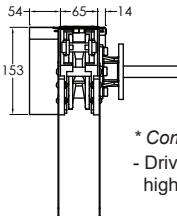
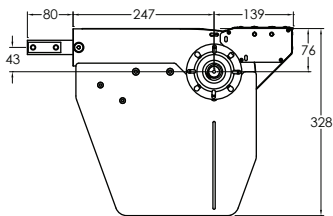
* Comes without Safety Cover

Front Drive with Free Roller

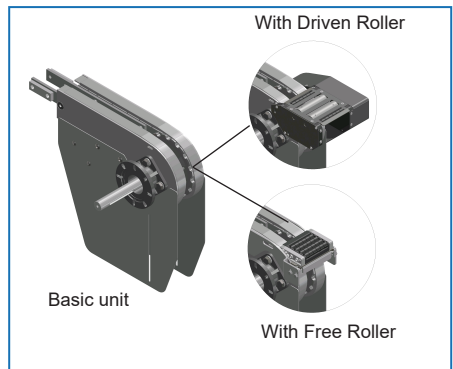


* Comes without Safety Cover

Front Drive with Driven Roller



* Comes without Safety Cover
 - Driven Roller speed is approximately 10% higher than conveyor speed.



Effective track length: 0.80m

Traction force: 600N

- Connecting strip and set screw included.

Note:

- Safety Cover comes as an option.

- Recommended maximum chain elongation is 328mm from top conveyor to chain slack.

- Refer TR15 for chain effective track length calculation.

- Cleated Chain is not possible to use on drive with Free Roller or Driven Roller.

Item Code	Weight	Supply
DS2 DD R/L S/M	3.8 kg	1 unit
DS2 DD R/L S/M TR With free roller	4.0 kg	1 unit
DS2 DD R/L S/M DR With driven roller	5.0 kg	1 unit

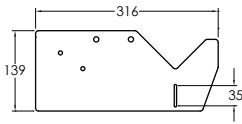
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Drive Units DS2 (Continued)

Safety Cover for Front Drive

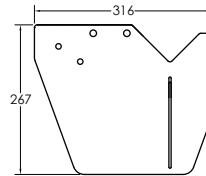
Short Safety Cover



- Material : Stainless Steel

Item Code	Weight	Supply
SC 139	0.8 kg	2 pcs/set

Normal Safety Cover

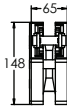
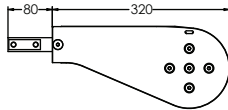


- Material : Stainless Steel

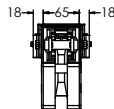
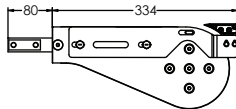
Item Code	Weight	Supply
SC 267	1.4 kg	2 pcs/set

Idler End

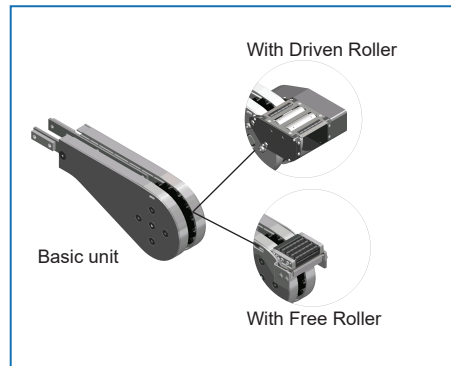
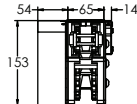
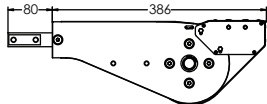
Basic Idler End



Idler End with Free Roller



Idler End with Driven Roller *(Right)



- Driven Roller speed is approximately 10% higher than conveyor speed.

Item Code	Weight	Supply
DS2 IE 320	3.0 kg	1 unit
DS2 IE 320 TR With free roller	3.4 kg	1 unit
DS2 IE 320 DR With driven roller	4.5 kg	1 unit

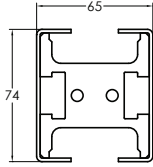
Effective track length: 0.8m

- Connecting strip and set screw included.

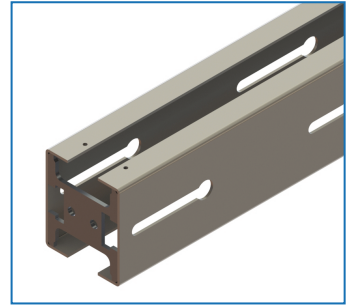
Note:

- Cleated Chain not suitable for Driven Roller & Free Roller.

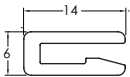
Conveyor Beam DS2



Item Code	Weight	Supply
DS2 CB 2.4	6.2 kg	2.4 m

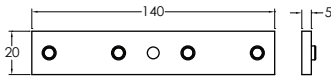


Accessories DS2



Slide Rail

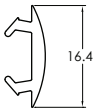
Item Code	Material	Colour	Weight	Supply
MS SR 25	HDPE	Pure White	1.2 kg/roll	25m/roll
MS SR 25A	Anti-Static	Grey	1.2 kg/roll	25m/roll
MS SR 25U	UHMW-PE	Semi-Transparent White	2.7 kg/roll	25m/roll
MS SR 25P	PVDF	Natural White	2.7 kg/roll	25m/roll



Connecting Strip

Item Code	Weight	Supply
DA CS 20x140	1.5 kg	10 pcs/pkt

- 4 pcs M8 set screw included.



T-Slot Cover

Item Code	Material	Colour	Weight	Supply
MB SC 25T	TPE	Grey	1.5 kg/roll	25m/roll
MB SC 25P	PVC	Light Grey	1.3 kg/roll	25m/roll



Rivets

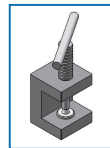
Item Code	Weight	Supply
MA RR 3	0.02 kg	50 pcs/pkt

Material: Aluminium



Slide Rail Cutter

Item Code	Weight	Supply
MA SC	0.5 kg	1 pc



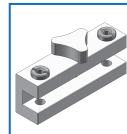
Rivet Crimping

Item Code	Weight	Supply
MA RC	0.13 kg	1 pc



Slide Rail Mounting Tool

Item Code	Weight	Supply
MS2 SRA	0.4 kg	1 pc



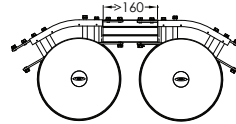
Slide Rail Drill Fixture

Item Code	Weight	Supply
MA SRF	0.24 kg	1 pc

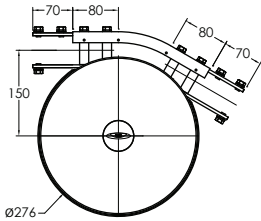
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Horizontal Wheel Bends DS2



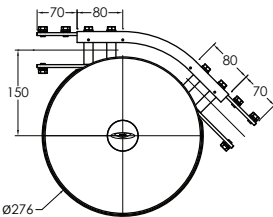
Minimum straight section for all wheel bend connection.



Wheel Bend, 30°

Item Code	Weight	Supply
DS2 BW 30R150	2.6 kg	1 set

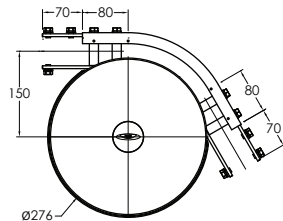
Effective track length:
0.24m 1-way (0.48 m 2-way)
Tolerance: $\pm 2^\circ$
- Connecting strip and screw included.



Wheel Bend, 45°

Item Code	Weight	Supply
DS2 BW 45R150	2.7 kg	1 set

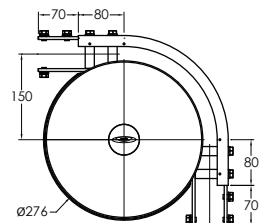
Effective track length:
0.28m 1-way (0.56m 2-way)
Tolerance: $\pm 2^\circ$
- Connecting strip and screw included.



Wheel Bend, 60°

Item Code	Weight	Supply
DS2 BW 60R150	2.9 kg	1 set

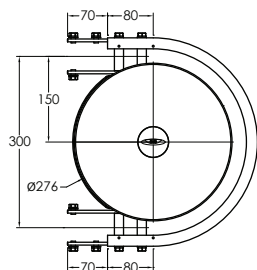
Effective track length:
0.31m 1-way (0.62 m 2-way)
Tolerance: $\pm 2^\circ$
- Connecting strip and screw included.



Wheel Bend, 90°

Item Code	Weight	Supply
DS2 BW 90R150	3.1 kg	1 set

Effective track length:
0.4m 1-way (0.8m 2-way)
Tolerance: $\pm 2^\circ$
- Connecting strip and screw included.



Wheel Bend, 180°

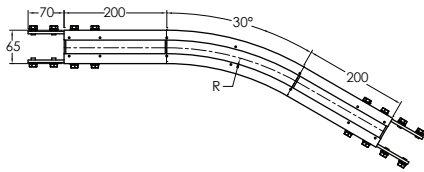
Item Code	Weight	Supply
DS2 BW 180R150	3.4 kg	1 set

Effective track length:
0.63m 1-way (1.26 m 2-way).
Tolerance: $\pm 2^\circ$
- Connecting strip and screw included.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Horizontal Plain Bends DS2



Horizontal Plain Bend, 30°

Item Code	R	Weight	Supply
DS2 BP 30R500	500 mm	2.1 kg	1 set
DS2 BP 30R700	700 mm	2.4 kg	1 set
DS2 BP 30R1000	1000 mm	2.9 kg	1 set

Effective track length:

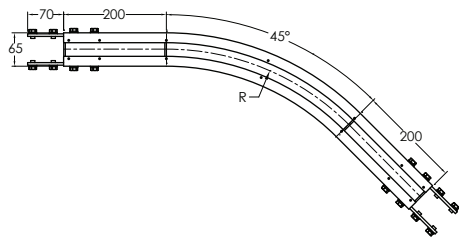
R500: 0.66m 1-way (1.32m 2-way)

R700: 0.77m 1-way (1.54m 2-way)

R1000: 0.92m 1-way (1.84m 2-way)

Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm

- Connecting strip and screw included.



Horizontal Plain Bend, 45°

Item Code	R	Weight	Supply
DS2 BP 45R500	500 mm	2.5 kg	1 set
DS2 BP 45R700	700 mm	3.0 kg	1 set
DS2 BP 45R1000	1000 mm	3.7 kg	1 set

Effective track length:

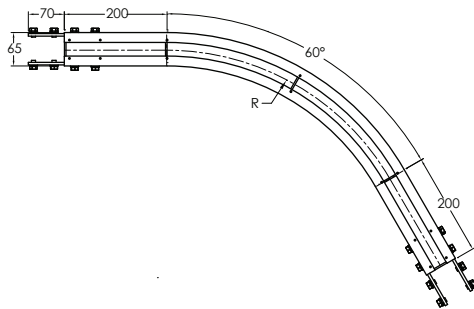
R500: 0.79m 1-way (1.58m 2-way)

R700: 0.95m 1-way (1.90m 2-way)

R1000: 1.12m 1-way (2.40m 2-way)

Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm

- Connecting strip and screw included.



Horizontal Plain Bend, 60°

Item Code	R	Weight	Supply
DS2 BP 60R500	500 mm	2.9 kg	1 set
DS2 BP 60R700	700 mm	3.5 kg	1 set
DS2 BP 60R1000	1000 mm	4.5 kg	1 set

Effective track length:

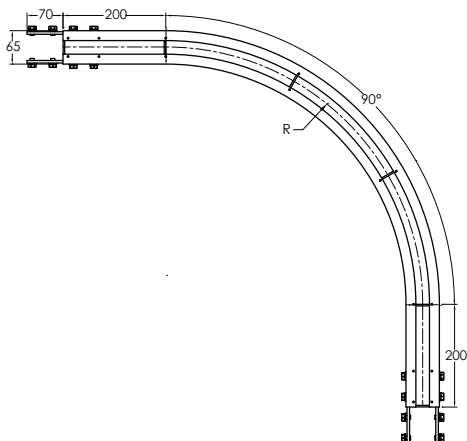
R500: 0.92m 1-way (1.84m 2-way)

R700: 1.13m 1-way (2.26m 2-way)

R1000: 1.45m 1-way (2.90m 2-way)

Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm

- Connecting strip and screw included.



Horizontal Plain Bend, 90°

Item Code	R	Weight	Supply
DS2 BP 90R500	500 mm	3.7 kg	1 set
DS2 BP 90R700	700 mm	4.7 kg	1 set
DS2 BP 90R1000	1000 mm	6.1 kg	1 set

Effective track length:

R500: 1.19m 1-way (2.38m 2-way)

R700: 1.50m 1-way (3.00m 2-way)

R1000: 1.97m 1-way (3.94m 2-way)

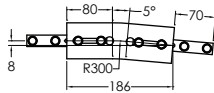
Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm

- Connecting strip and screw included.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

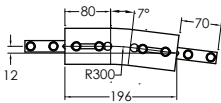
Vertical Bends DS2



Vertical Bend, 5°

Item Code	Weight	Supply
DS2 BV 5R300	0.6 kg	1 set

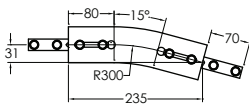
Effective track length:
 R300: 0.19m 1-way (0.38m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and screw included.



Vertical Bend, 7°

Item Code	Weight	Supply
DS2 BV 7R300	0.6 kg	1 set

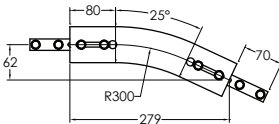
Effective track length:
 R300: 0.20m 1-way (0.40m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and screw included.



Vertical Bend, 15°

Item Code	Weight	Supply
DS2 BV 15R300	0.8 kg	1 set

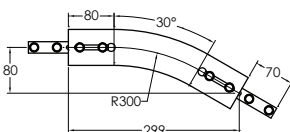
Effective track length:
 R300: 0.24m 1-way (0.48m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and screw included.



Vertical Bend, 25°

Item Code	R	A	B	Weight	Supply
DS2 BV 25R300	300 mm	62 mm	279 mm	0.9 kg	1 set
DS2 BV 25R1000	1000 mm	128 mm	575 mm	1.9 kg	1 set

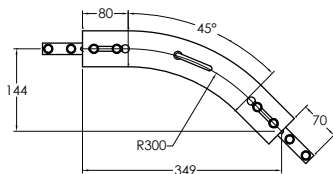
Effective track length:
 R300: 0.29m 1-way (0.58m 2-way)
 R1000: 0.60m 1-way (1.20m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and screw included.



Vertical Bend, 30°

Item Code	R	A	B	Weight	Supply
DS2 BV 30R300	300 mm	80 mm	299 mm	1.1 kg	1 set
DS2 BV 30R1000	1000 mm	174 mm	649 mm	2.5 kg	1 set

Effective track length:
 R300: 0.32m 1-way (0.64m 2-way)
 R1000: 0.68m 1-way (1.36m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and screw included.



Vertical Bend, 45°

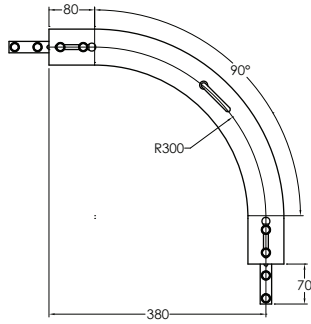
Item Code	R	A	B	Weight	Supply
DS2 BV 45R300	300 mm	145 mm	349 mm	1.3 kg	1 set
DS2 BV 45R1000	1000 mm	350 mm	844 mm	2.9 kg	1 set

Effective track length:
 R300: 0.40m 1-way (0.80m 2-way)
 R1000: 0.95m 1-way (1.90m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and screw included.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Vertical Bends DS2 (Continued)



Vertical Bend, 90°

Item Code	R	B	Weight	Supply
DS2 BV 90R300	300 mm	380 mm	2.0 kg	1 set
DS2 BV 90R1000	1000 mm	1080 mm	5.4 kg	1 set

Effective track length:

R300: 0.63m 1-way (1.26m 2-way)

R1000: 1.73m 1-way (3.46m 2-way)

Tolerance: $\pm 2^\circ$ & Radius: $\pm 10\text{mm}$

- Connecting strip and screw included.

Note:

- Non-Standard Vertical Bend also available in PE and Stainless Steel with minimum radius 300mm.

AP
TR
MS2
ML2
MM3
MX2
MT2
MR2
MG
MF2
MB
MA
DS2
DM3
DL2
DL2
DX2
DT2
DR2
DF2
DG
DB
DA
SD
SE
TL
IM
MM

