



PROMOTECH[®]



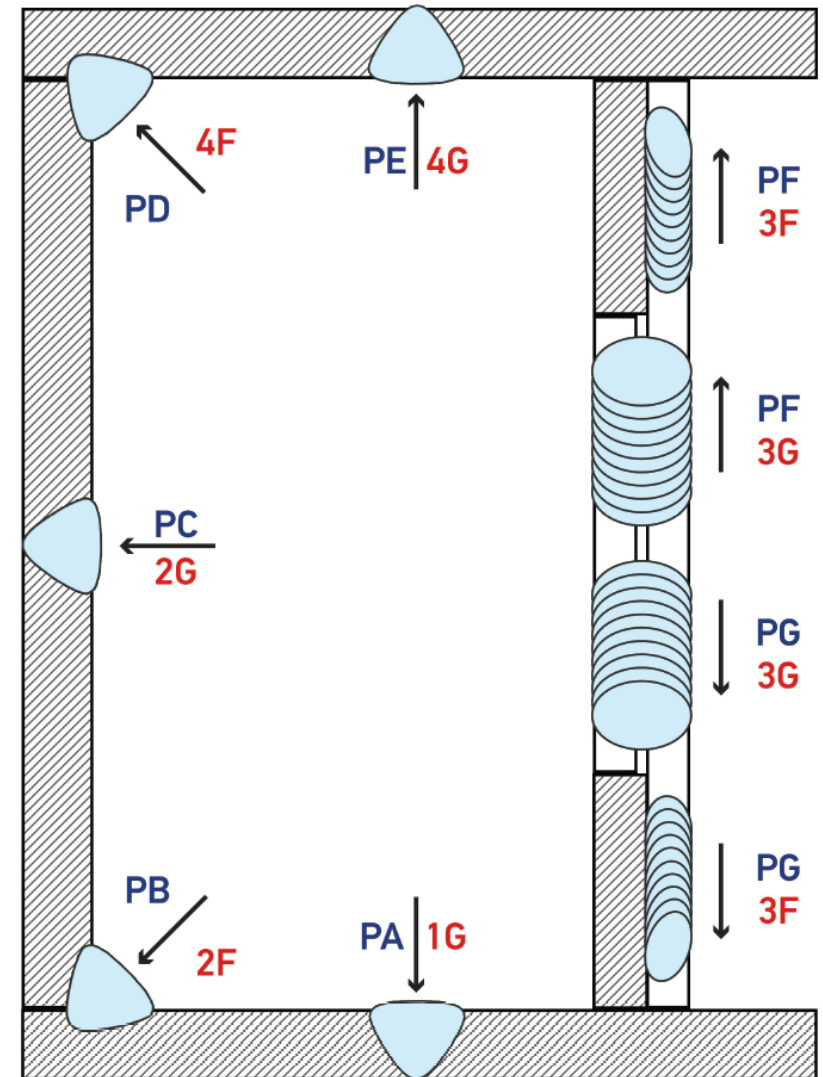
Tracks and accessories for welding and cutting tractors

Overview of regular and customized applications



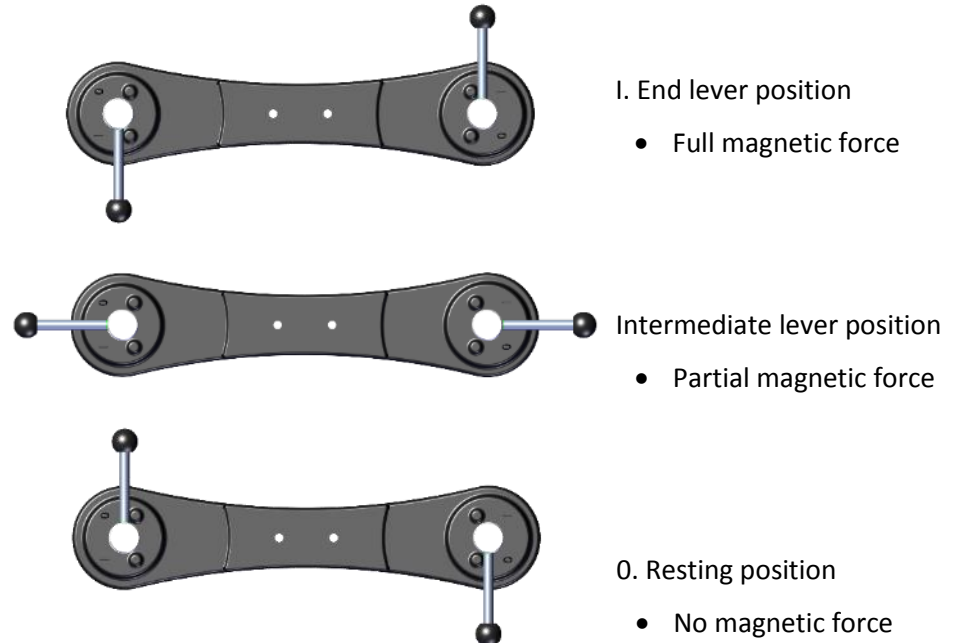
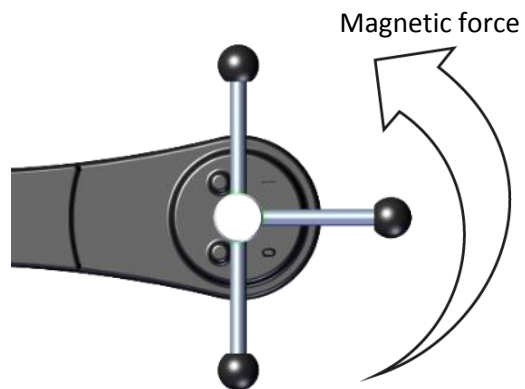
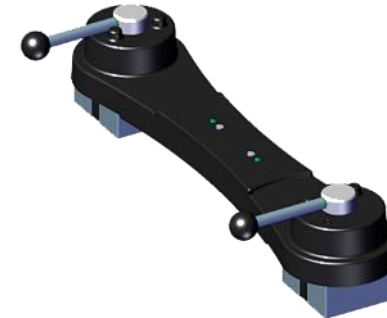
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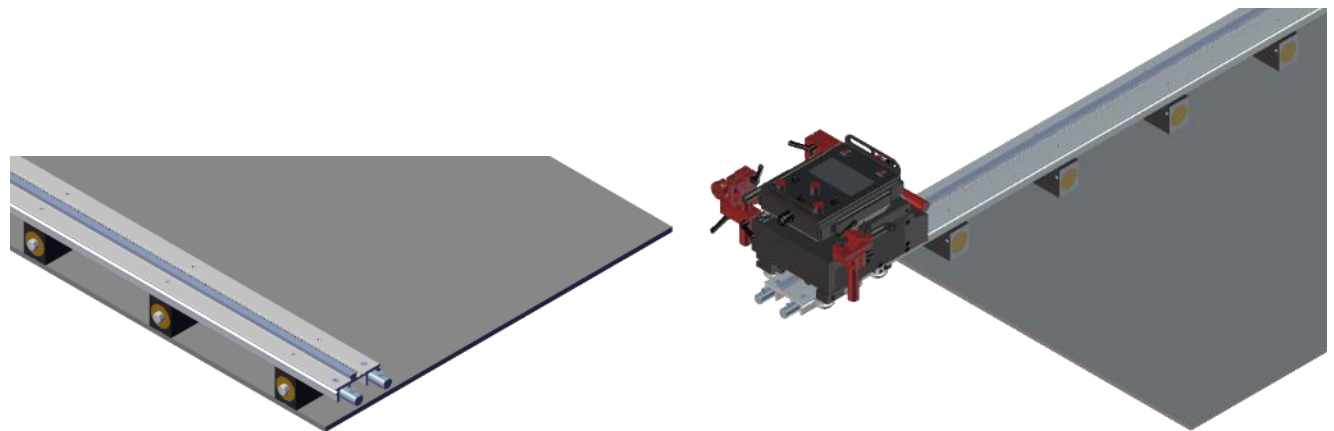
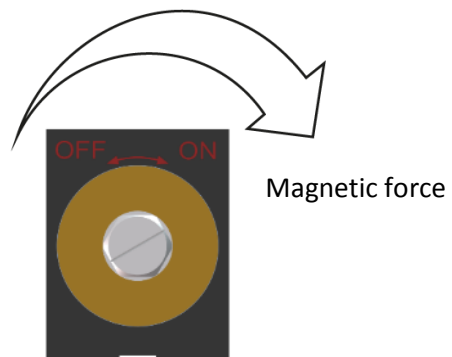
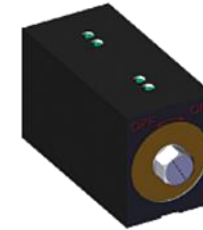
MAGNETIC UNIT

- Allows clamping tracks to ferromagnetic surfaces
- Maximum holding force up to 2500 N
- Intermediate lever position (between OFF/ON) with partial holding force helps to adjust the right track location
- Suitable for:
 - rigid track (Rail Bull, Rail Bull 2)
 - semi-flexible track (Rail Bull, Rail Bull 2)
 - custom rolled tracks (Rail Bull 2)
 - flexible trackway (Gecko, Gecko Battery)
 - V-track (Dragon, Dragon HS)
- Product Code: ZSP-0475-44-00-00-0



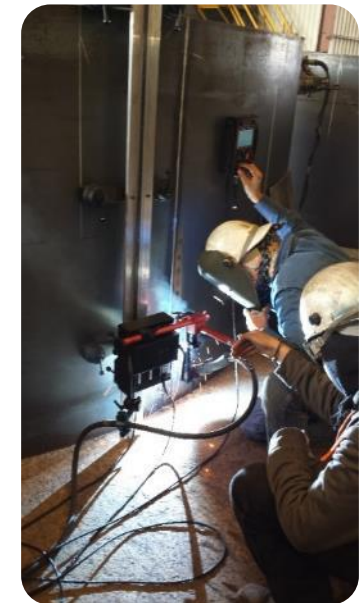
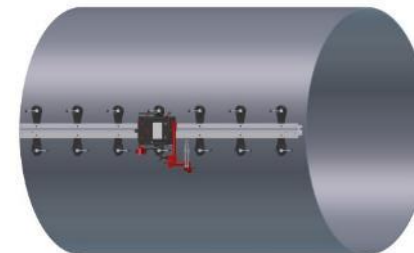
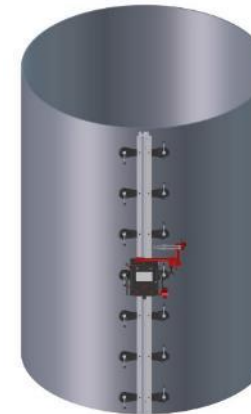
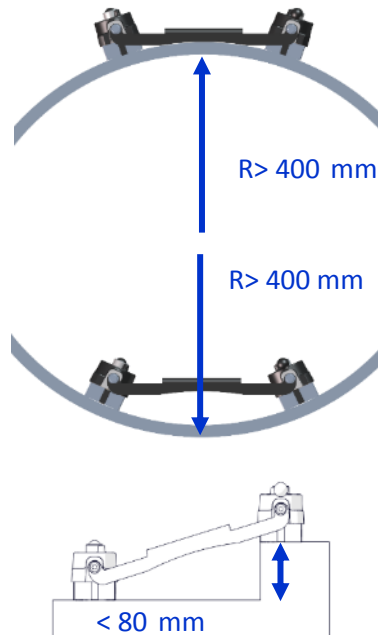
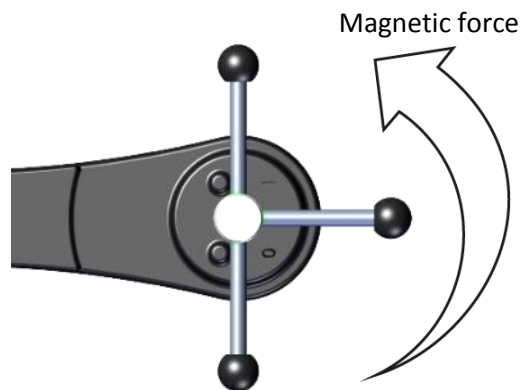
MAGNETIC NARROW UNIT WITH HEXAGON

- Allows clamping tracks to ferromagnetic surfaces
- Maximum holding force up to 1500 N
- Intermediate position (between OFF/ON) with partial holding force helps to adjust the right track location
- Suitable for:
 - ☐ rigid track (Rail Bull, Rail Bull 2)
 - ☐ semi-flexible track (Rail Bull, Rail Bull 2)
 - ☐ custom rolled tracks (Rail Bull 2)
 - ☐ flexible trackway (Gecko, Gecko Battery)
 - ☐ V-track (Dragon, Dragon HS)
- Product Code: PDS-0582-10-00-02-0



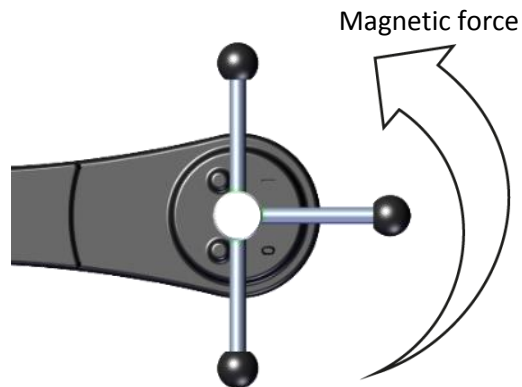
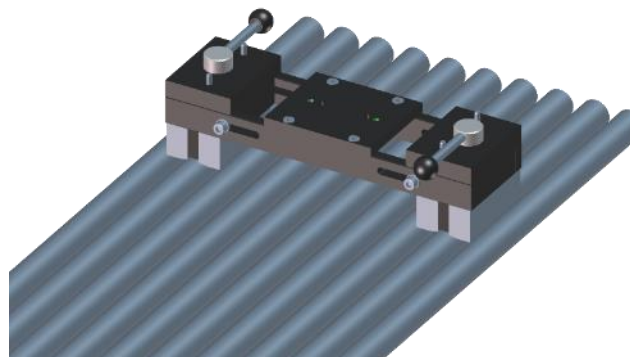
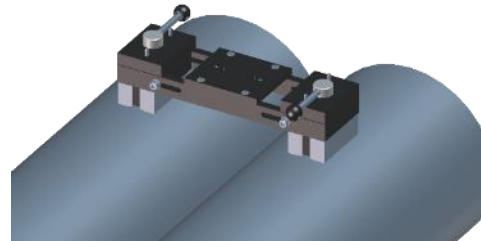
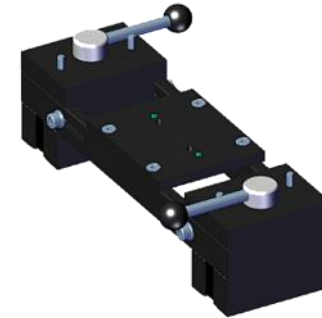
MAGNETIC PIVOTING UNIT

- Allows clamping tracks to flat, concave or convex ferromagnetic surfaces and pipes ID of at least 800 mm (31,5")
- May be also fixed on surfaces that differ in height up to 80 mm (3.1")
- Maximum holding force up to 2500 N
- Intermediate lever position (between OFF/ON) with partial holding force helps to adjust the right track location
- Suitable for:
 - rigid track (Rail Bull, Rail Bull 2)
 - semi-flexible track (Rail Bull, Rail Bull 2)
 - custom rolled tracks (Rail Bull 2)
 - flexible trackway (Gecko, Gecko Battery)
- Product Code: ZSP-0475-85-00-00-0

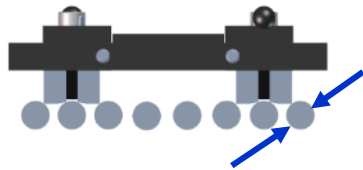


MAGNETIC SPACING-ADJUSTABLE UNIT

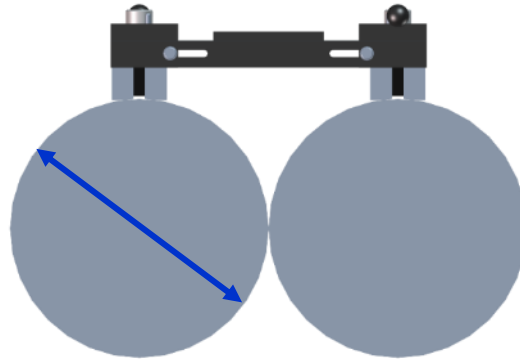
- Allows clamping tracks to ferromagnetic pipes with diameters of 25–230 mm (1–9”) and the distance between pipe axes of 170–230 mm (6.7–9.1”)
- Maximum holding force up to 2500 N
- Intermediate lever position (between OFF/ON) with partial holding force helps to adjust the right track location
- Suitable for:
 - rigid track (Rail Bull, Rail Bull 2)
 - semi-flexible track (Rail Bull, Rail Bull 2)
 - custom rolled tracks (Rail Bull 2)
 - flexible trackway (Gecko, Gecko Battery)
- Product Code: ZSP-0523-19-00-00-0



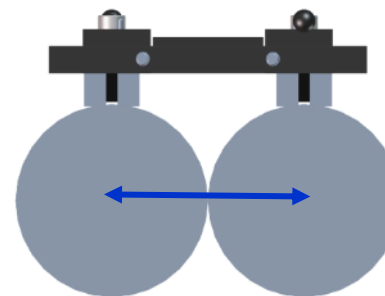
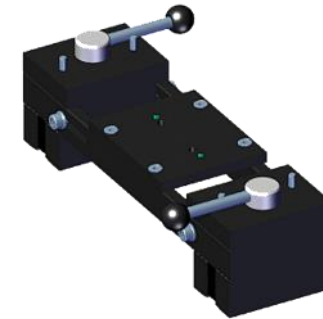
MAGNETIC SPACING-ADJUSTABLE UNIT



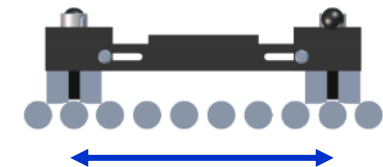
OD > 25 mm (1")



OD < 230 mm (9")



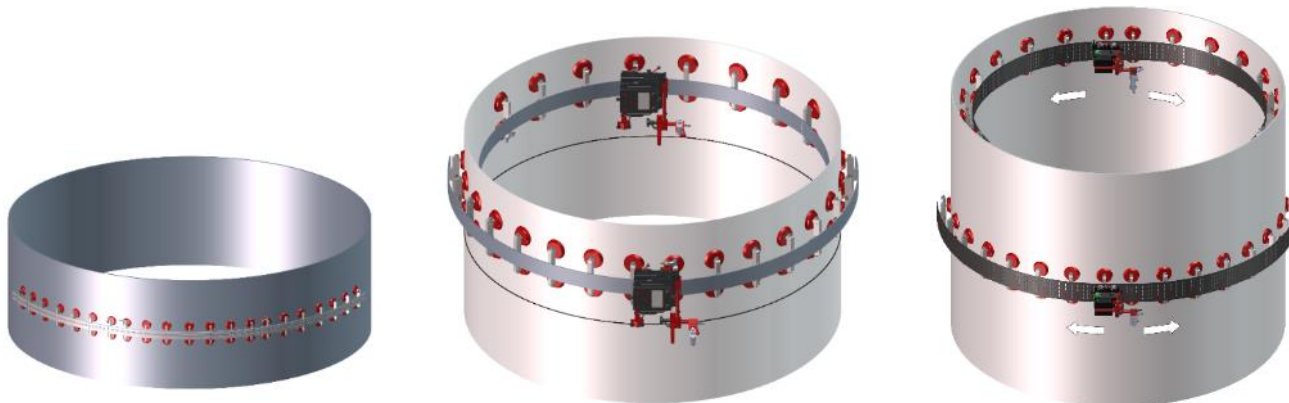
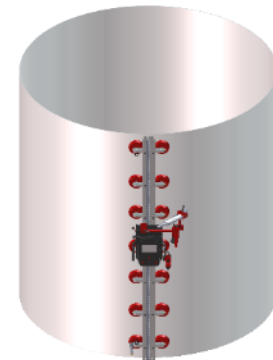
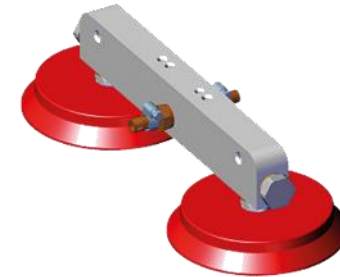
Spacing > 170 mm (6.7")



Spacing < 230 mm (9.1")

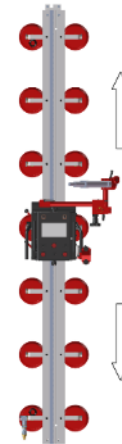
VACUUM MODULAR UNIT

- Allows clamping tracks on both ferromagnetic and non-ferromagnetic materials
- Maximum holding force up to 1400 N
- Consists of 2 vacuum pads and manifold block
- Can be easily assembled for 4 different purposes as entry unit, middle unit, extension unit and end unit
- Suitable for:
 - rigid track (Rail Bull, Rail Bull 2)
 - semi-flexible track (Rail Bull, Rail Bull 2)
 - custom rolled tracks (Rail Bull 2)
 - flexible trackway (Gecko, Gecko Battery)
 - V-track (Dragon, Dragon HS)
- Product Code: MST-0541-10-02-00-0

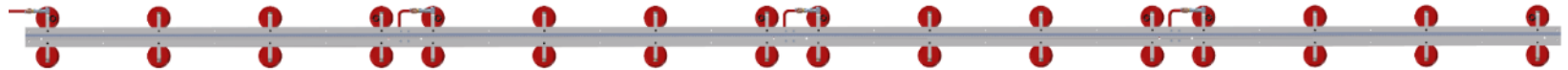


VACUUM TRACK SYSTEM

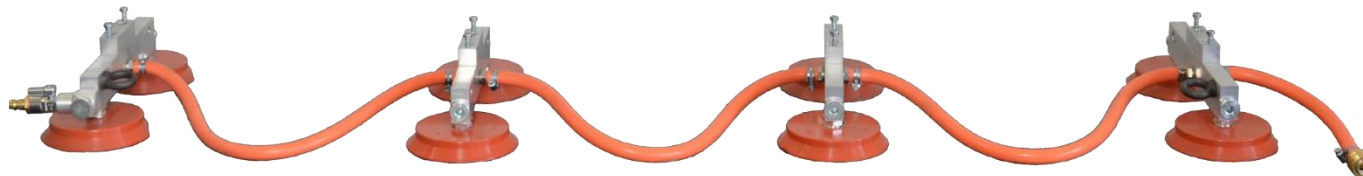
- System provides firm grip on both ferromagnetic and non-ferromagnetic materials (aluminum or stainless steel constructions)
- Lightweight and modular design enables easy adjustment and fitting of the system to specific needs depending on welding or cutting applications and working positions (e.g. flat, horizontal or vertical)



1. Serial connection



- Entry vacuum unit (1 unit per track)



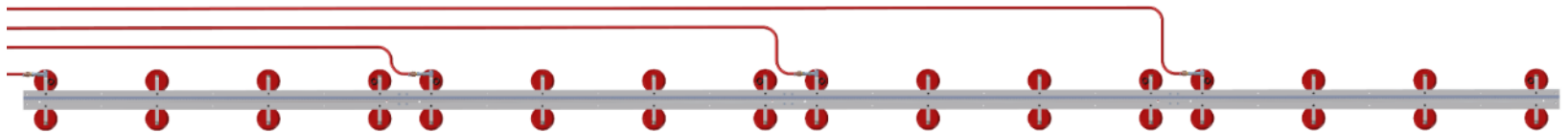
- Extension vacuum unit (for serial connection)

- Middle vacuum units (up to 5 units per rail track or up to 7 units per flexible trackway)

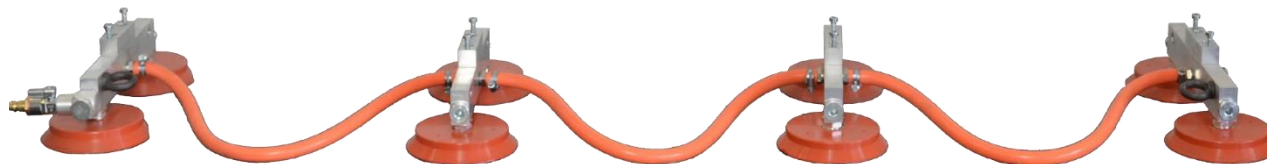
VACUUM TRACK SYSTEM



2. Parallel connection



■ Entry vacuum unit
(1 unit per track)



■ End vacuum unit
(for a single track or
parallel connection)

■ Middle vacuum units
(up to 5 units per rail track or
up to 7 units per flexible trackway)

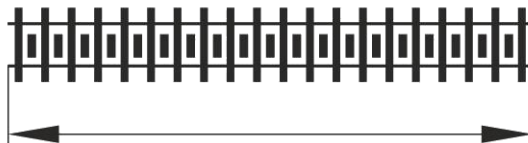
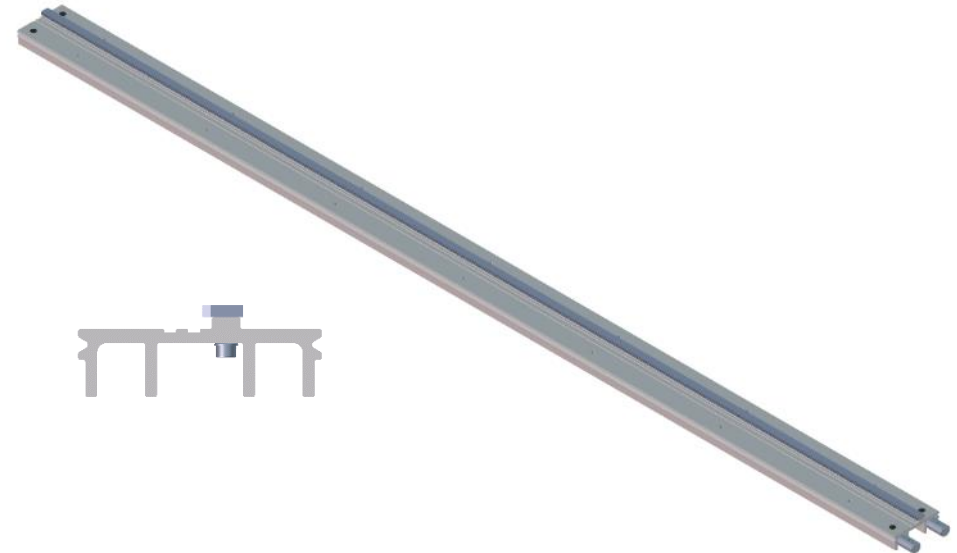
VACUUM TRACK SYSTEM

Vacuum Track System parameters	
Maximum number of vacuum units per vacuum pump	21
Minimum curvature radius of a semi-flexible track	5 m (16 ft)
Vacuum unit holding force	1400 N (at gauge pressure of –0.7 bar / –10 psig)
Working positions	flat, horizontal, vertical
Maximum permitted track load	30 kg (66 lbs)
Required number of vacuum units per rail placed in horizontal position	4
Required number of vacuum units per rail placed on walls or curvatures	7
Permitted ambient temperature near vacuum units	from –20°C to 200°C (from –4°F to 392°F)

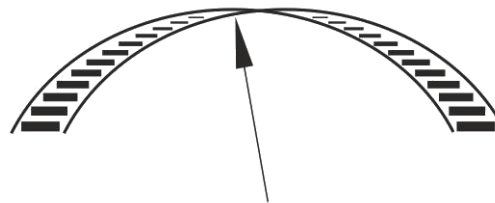
Portable vacuum pump parameters	
Voltage	1~ 230 V, 50–60 Hz; 1~ 115 V, 50–60 Hz
Power	400 W
Gauge pressure obtainable	–0.8 bar (–11.5 psig), (where 0 is for atmospheric pressure, and –1 is for perfect vacuum)
Pump capacity	4 m3/h (141 ft3/h)
Ambient temperature	0–40°C (32–104°F)
Safety reservoir volume	10 l (0.35 ft3)
Weight (with safety reservoir)	23 kg (51 lbs)

RIGID TRACK

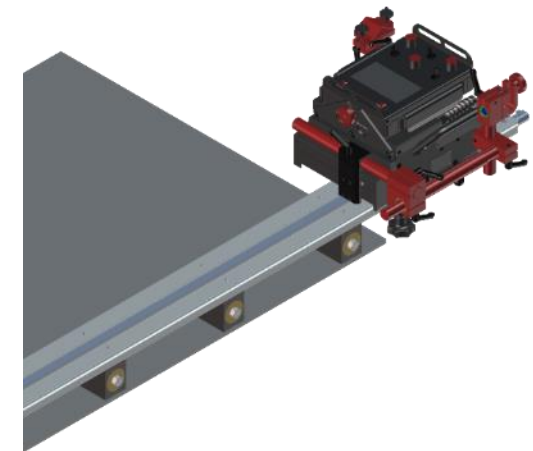
- For straight line applications incl. out of workpiece position
- Length of a single rail 2 m (6.5 ft)
- Joinable for unlimited run length
- Can be mounted to work surface with several types of magnetic units or vacuum units for non-ferrous applications to allow travel in any plane or position
- Suitable for:
 - Rail Bull
 - Rail Bull 2
- Product Code: PRW-0482-47-00-00-0



Length of 1 segment is 2m (6.5 ft)



Rigid track cannot be bent at all



RIGID TRACK

Applicable for:

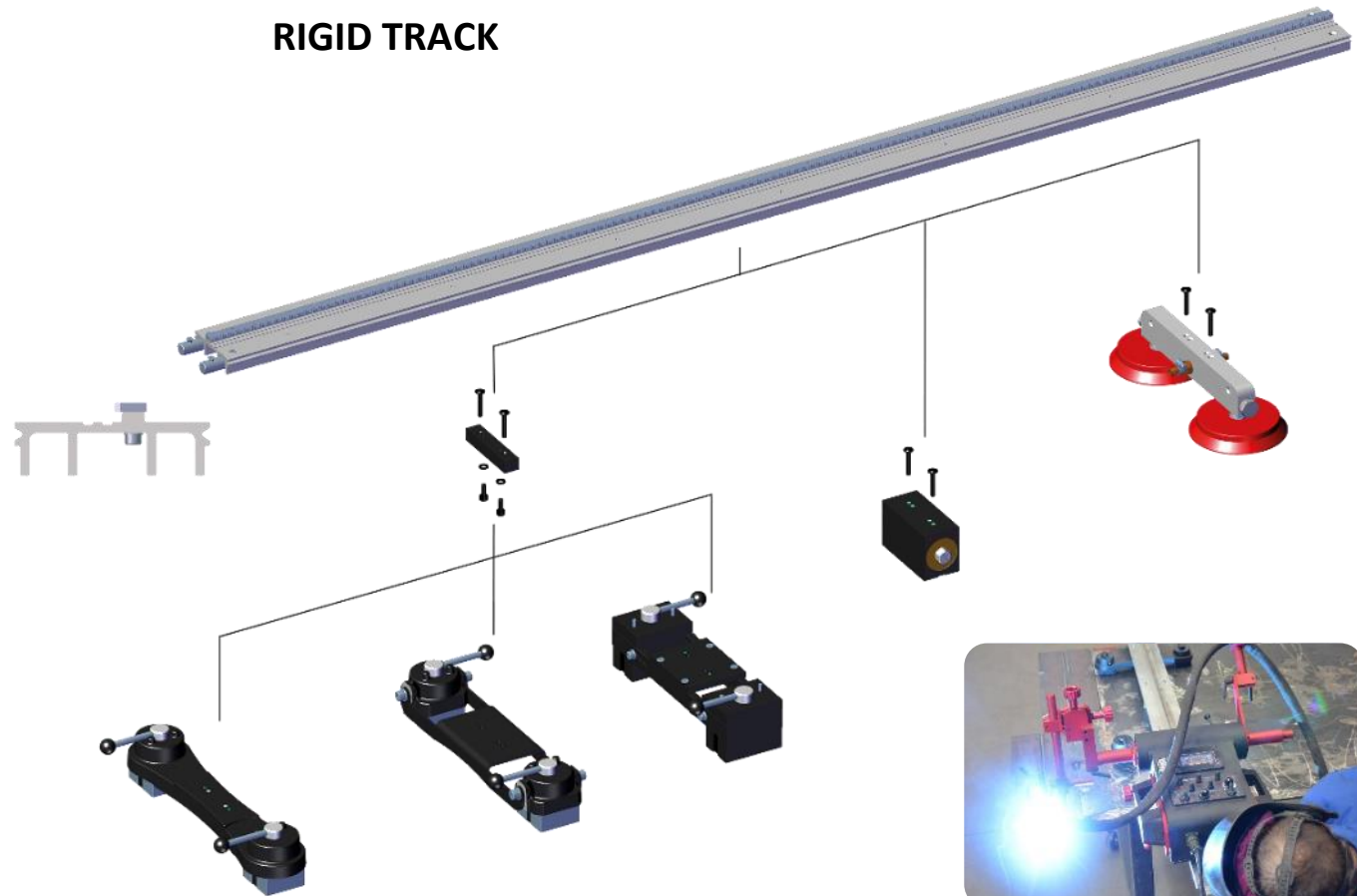
Rail Bull



Rail Bull 2



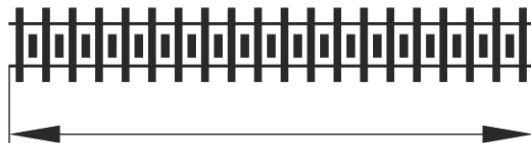
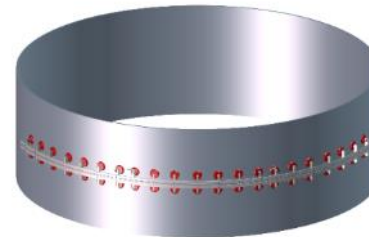
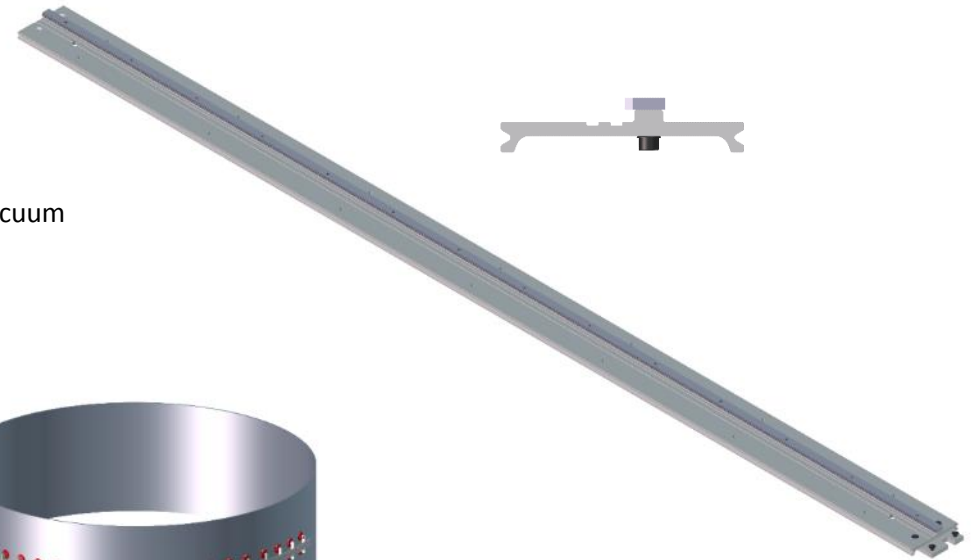
Welding position	Qty. of units per track
PA/ 1G	min. 4 pcs
PB/2F	min. 4 pcs
PC/2G	5 - 7 pcs
PD/4F	5 - 7 pcs
PE/4G	5 - 7 pcs
PF/3F	5 - 7 pcs
PF/3G	5 - 7 pcs



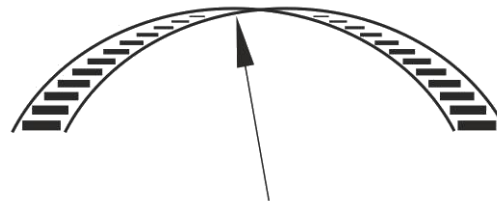
SEMI-FLEXIBLE TRACK

- For circumferential and straight line applications
- Minimum radius of 5.0 m (16 ft) or 10.0 m (32 ft) diameter without permanent deformation
- Length of a single rail 2 m (6.5 ft)
- Joinable for unlimited run length
- Can be mounted to work surface with several types of magnetic units or vacuum units for non-ferrous applications to allow travel in any plane or position
- Suitable for:
 - Rail Bull
 - Rail Bull 2

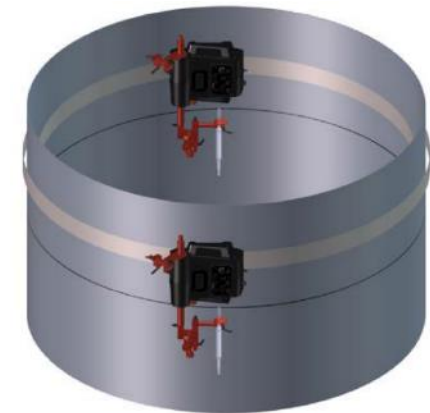
Product Code: PRW-0482-15-05-00-0



Length of 1 segment is 2m (6.5 ft)



Minimum bending radius is 5 m (16 ft)

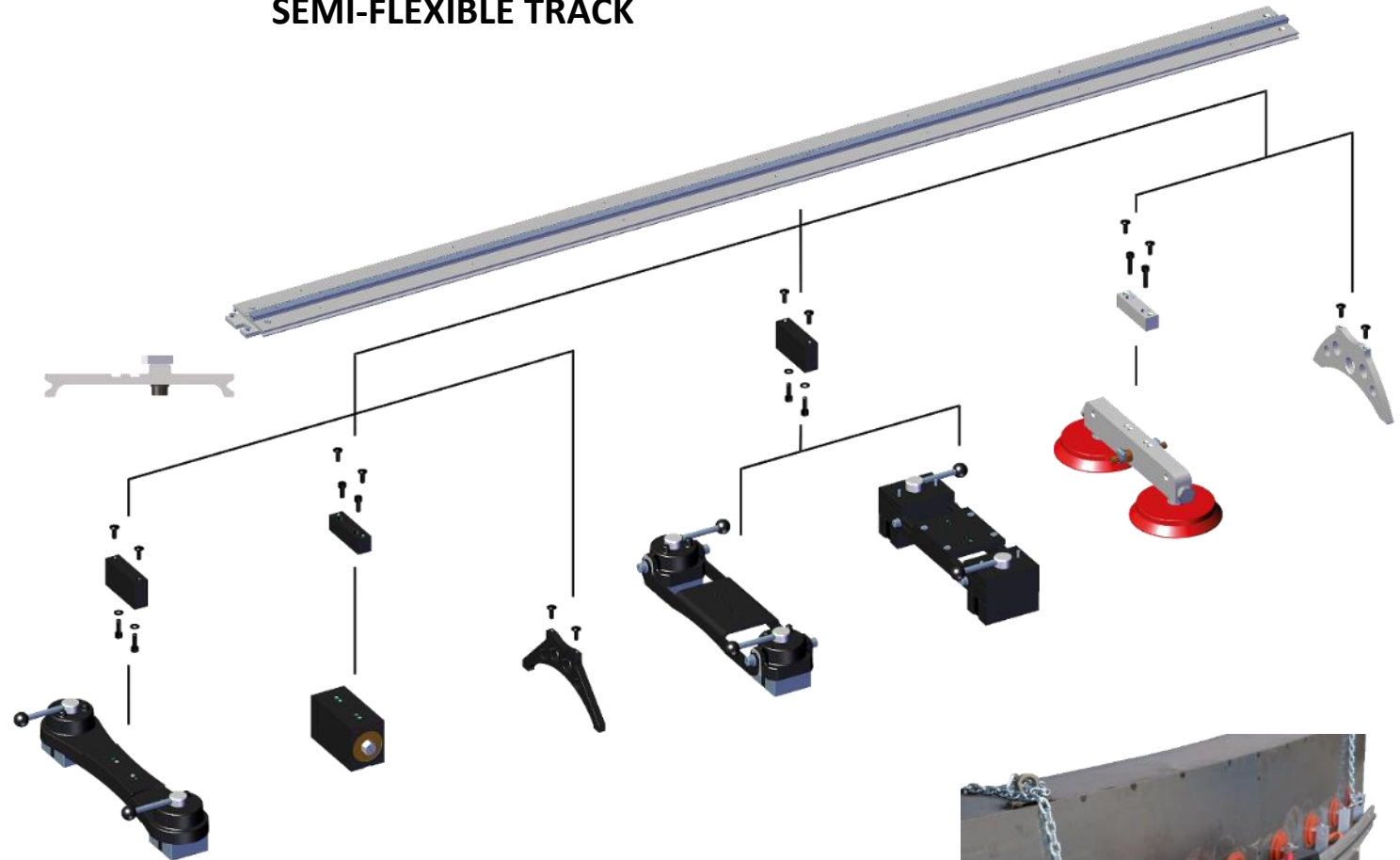


SEMI-FLEXIBLE TRACK

Applicable for:

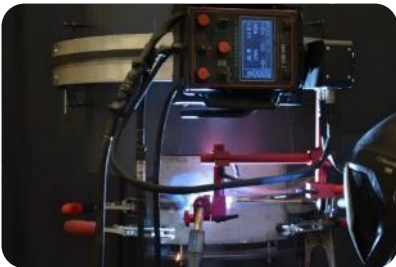


Welding position	Qty. of units per track
PA/ 1G	min. 4 pcs
PB/2F	min. 4 pcs
PC/2G	5- 7 pcs
PD/4F	5 - 7 pcs
PE/4G	5 - 7 pcs
PF/3F	5 - 7 pcs
PF/3G	5 - 7 pcs



RING TRACKS

- for circumferential applications from 200 mm OD up to 3000 mm OD (from 8" to 10 ft)
- Depending on the workpiece diameter, the track consists of two to four rails and can be adjusted to a diameter of up to 50 mm larger than the diameter for which the track is dedicated
- Can be mounted to work surface with several types of supports also for non-ferrous applications
- Suitable for Rail Bull 2
- Product Codes (see table)



Pipe OD		Product Code
Min.	Max.	
[mm]	[mm]	
200	250	TRO-0523-14-00-00-0
250	300	TRO-0523-19-00-00-0
300	350	TRO-0523-20-00-00-0
350	400	TRO-0523-21-00-00-0
400	450	TRO-0523-23-00-00-0
450	500	TRO-0523-24-00-00-0
500	550	TRO-0523-25-00-00-0
550	600	TRO-0523-26-00-00-0
600	650	TRO-0523-22-00-00-0
650	700	TRO-0523-28-00-00-0
700	750	TRO-0523-29-00-00-0
750	800	TRO-0523-30-00-00-0
800	850	TRO-0523-31-00-00-0
850	900	TRO-0523-32-00-00-0
900	950	TRO-0523-33-00-00-0
950	1000	TRO-0523-34-00-00-0
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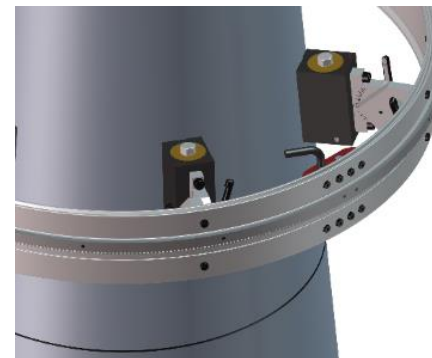
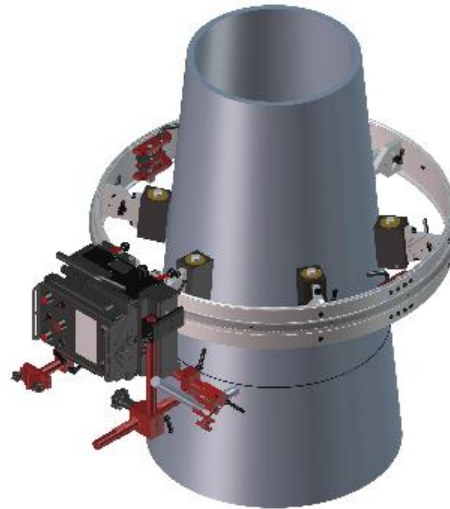
Pipe OD		Product Code
Min.	Max.	
[mm]	[mm]	
1150	1200	TRO-0523-38-00-00-0
1200	1250	TRO-0523-39-00-00-0
1250	1300	TRO-0523-40-00-00-0
1300	1350	TRO-0523-41-00-00-0
1350	1400	TRO-0523-42-00-00-0
1400	1450	TRO-0523-43-00-00-0
1450	1500	TRO-0523-44-00-00-0
1500	1550	TRO-0523-45-00-00-0
1550	1600	TRO-0523-46-00-00-0
1600	1650	TRO-0523-47-00-00-0
1650	1700	TRO-0523-48-00-00-0
1700	1750	TRO-0523-49-00-00-0
1750	1800	TRO-0523-50-00-00-0
1800	1850	TRO-0523-51-00-00-0
1850	1900	TRO-0523-52-00-00-0
1900	1950	TRO-0523-53-00-00-0
1950	2000	TRO-0523-54-00-00-0
2000	2050	TRO-0523-55-00-00-0
2050	2100	TRO-0523-56-00-00-0

Pipe OD		Product Code
Min.	Max.	
[mm]	[mm]	
2100	2150	TRO-0523-57-00-00-0
2150	2200	TRO-0523-58-00-00-0
2200	2250	TRO-0523-59-00-00-0
2250	2300	TRO-0523-60-00-00-0
2300	2350	TRO-0523-61-00-00-0
2350	2400	TRO-0523-62-00-00-0
2400	2450	TRO-0523-63-00-00-0
2450	2500	TRO-0523-64-00-00-0
2500	2550	TRO-0523-65-00-00-0
2550	2600	TRO-0523-66-00-00-0
2600	2650	TRO-0523-67-00-00-0
2650	2700	TRO-0523-68-00-00-0
2700	2750	TRO-0523-69-00-00-0
2750	2800	TRO-0523-70-00-00-0
2800	2850	TRO-0523-71-00-00-0
2850	2900	TRO-0523-72-00-00-0
2900	2950	TRO-0523-73-00-00-0
2950	3000	TRO-0523-74-00-00-0
3000	3050	TRO-0523-75-00-00-0

RING TRACKS

Applicable for:

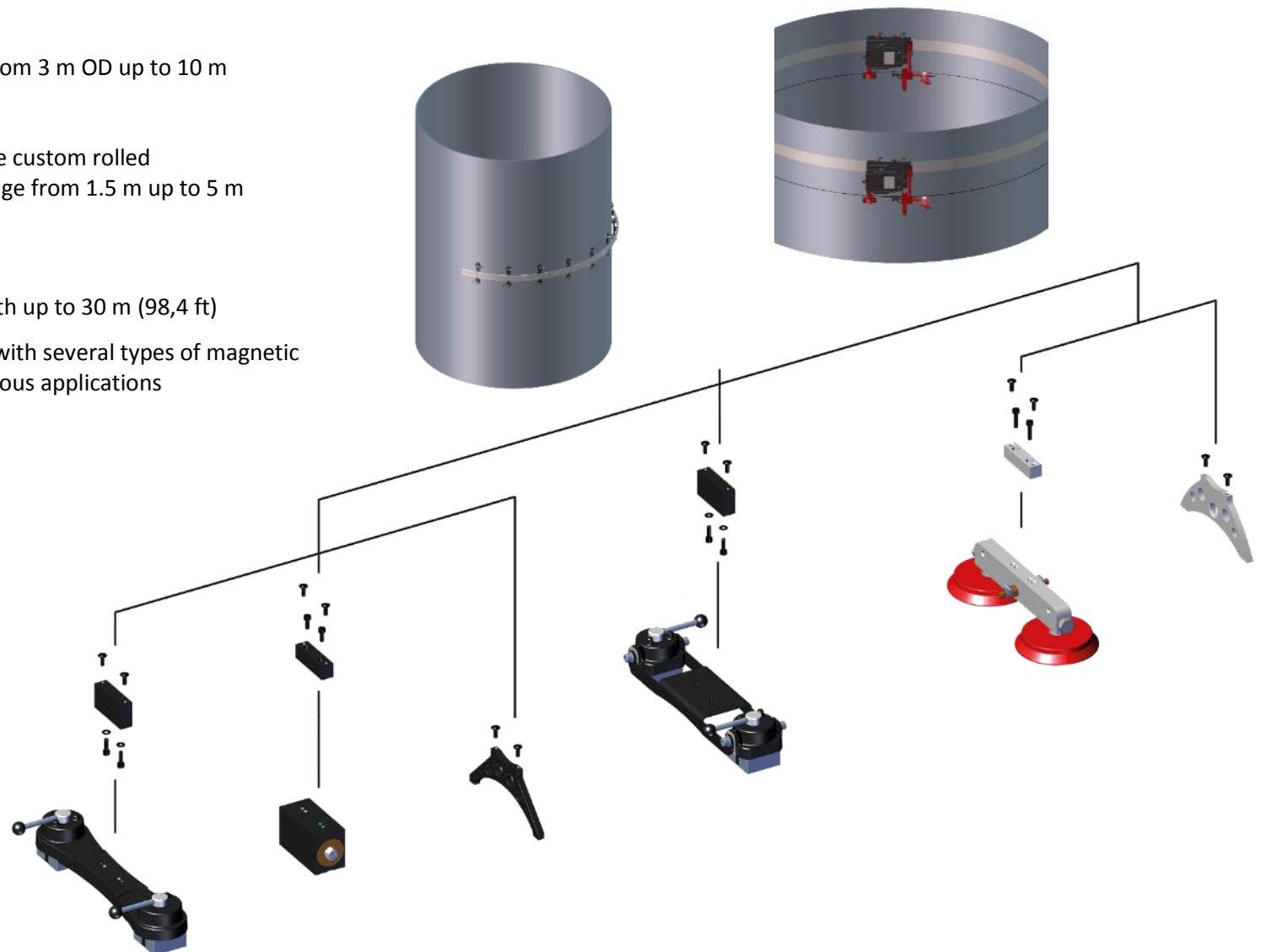
Rail Bull 2



CUSTOM ROLLED TRACKS

- For circumferential applications from 3 m OD up to 10 m OD (from 10 ft to 32 ft)
- Based on semi-flexible tracks to be custom rolled permanently within the radius range from 1.5 m up to 5 m (5 ft up to 16 ft)
- Length of a single rail 2 m (6.5 ft)
- Joinable for the required run length up to 30 m (98,4 ft)
- Can be mounted to work surface with several types of magnetic units or vacuum units for non-ferrous applications
- Suitable for Rail Bull 2

Applicable for:



SELECTED ACCESSORIES for RIGID, SEMI-FLEXIBLE AND CUSTOM ROLLED TRACKS

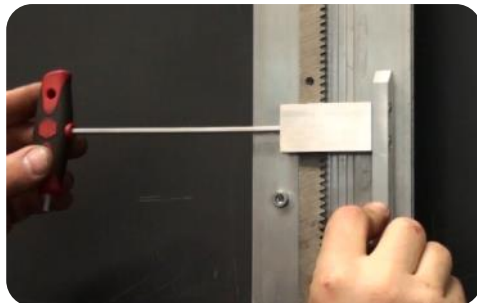


Contact block to adjust range of the Rail Bull 2 movement

Product Code: ZDR-0523-76-00-00-0

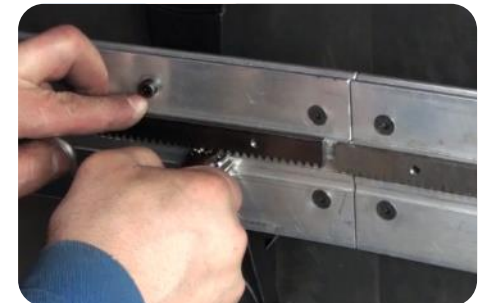
Protects Rail Bull 2 from falling off a track with open ends.

When the carriage reaches the block, the limit switch is activated.



Gear Rack Adjustment Tool

Product Code: PKT-0341-13-00-00-0



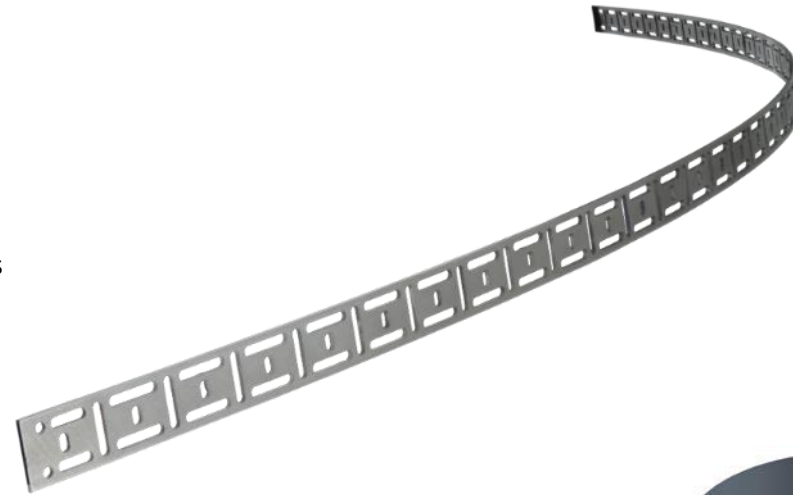
The tool removes the gap between gear racks



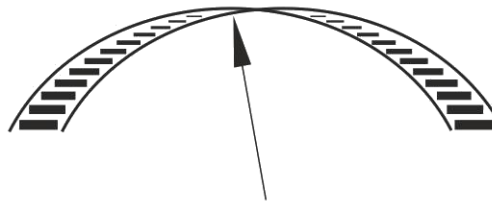
FLEXIBLE TRACK

- For circumferential and straight line applications
- Minimum curve radius is 1 m (3.3 ft)
- A single track is 1.85 m (6 ft) long
- Joinable for unlimited run length
- Can be mounted to ferromagnetic work surface with magnetic blocks
- Suitable for:
 - Gecko / Gecko HS/ Gecko Battery
 - Lizard

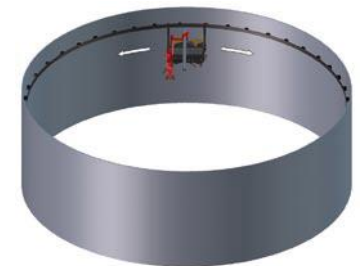
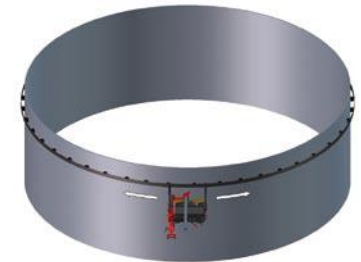
Product Code: PRW-0466-50-01-01-0



Length of 1 segment is 1.85 m (6 ft)



Minimum bending radius is 1 m (3.3 ft)



FLEXIBLE TRACK

Applicable for:

Gecko



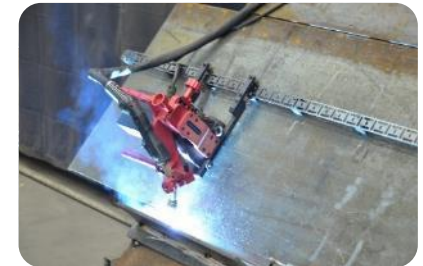
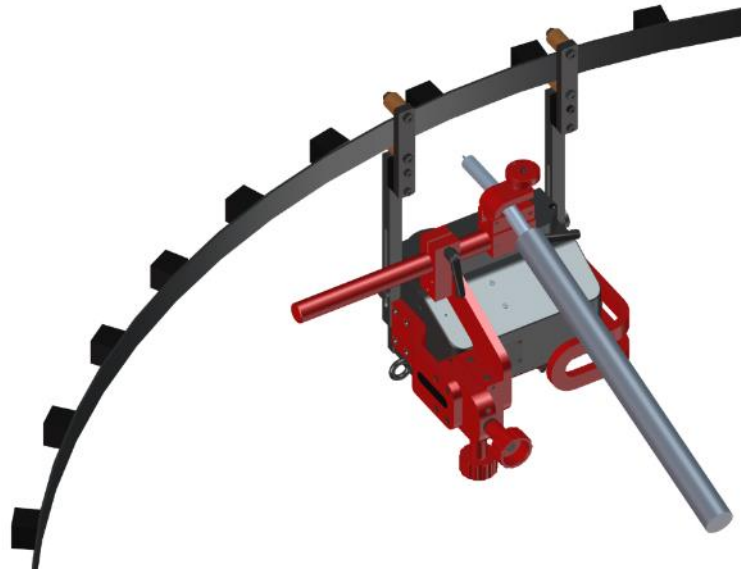
Gecko
Battery



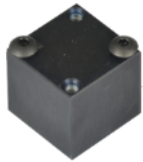
Lizard



Welding position	Qty. of units per track
PA/ 1G	10 pcs
PB/2F	10 pcs
PC/2G	10 pcs
PD/4F	10 pcs
PE/4G	10 pcs



ACCESSORIES for FLEXIBLE TRACK



Magnetic block for flexible track
(box of 10 pcs)

Product Code: BLO-0466-68-00-00-0

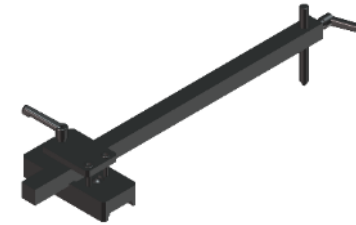


Track following guide arms (set of 2 pcs)

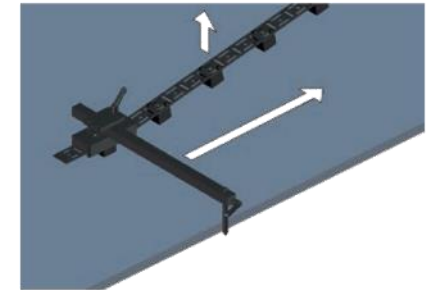
Product codes:

PRW-0466-50-02-00-1 for Gecko / Gecko HS /
Gecko Battery

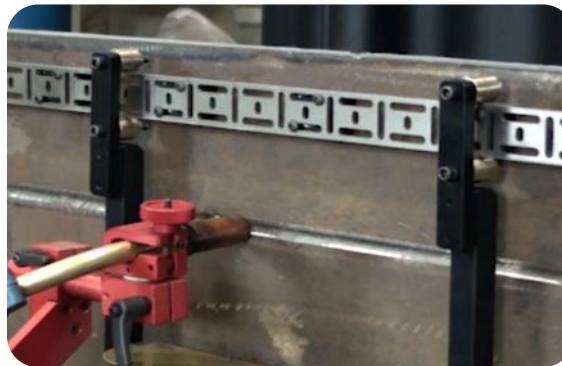
PRW-0476-50-01-00-1 for Lizard



Guide adjustment
tool to position
the track parallel
to the edge

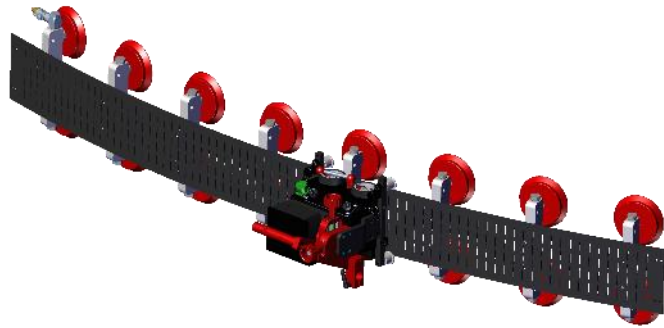
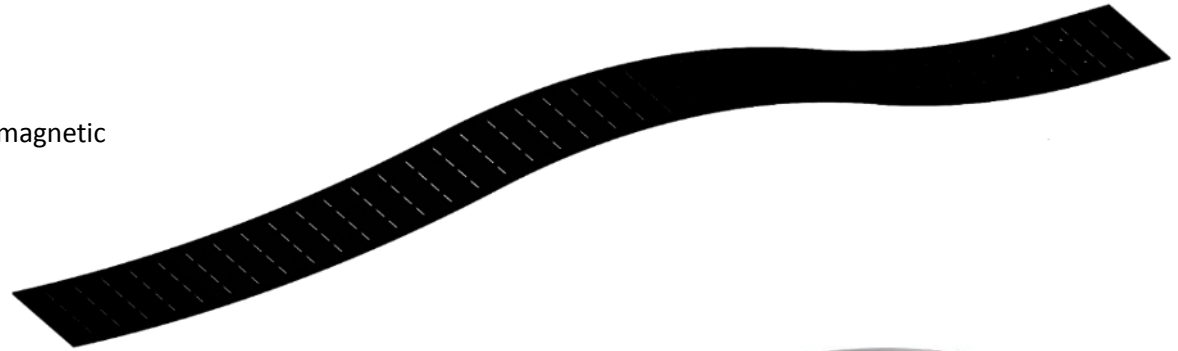


Product Code: UST-0466-53-00-00-0

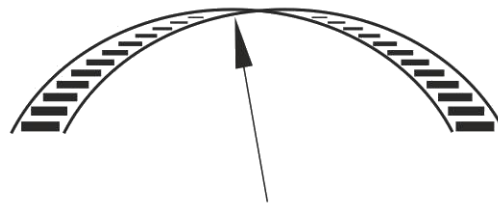


FLEXIBLE TRACKWAY

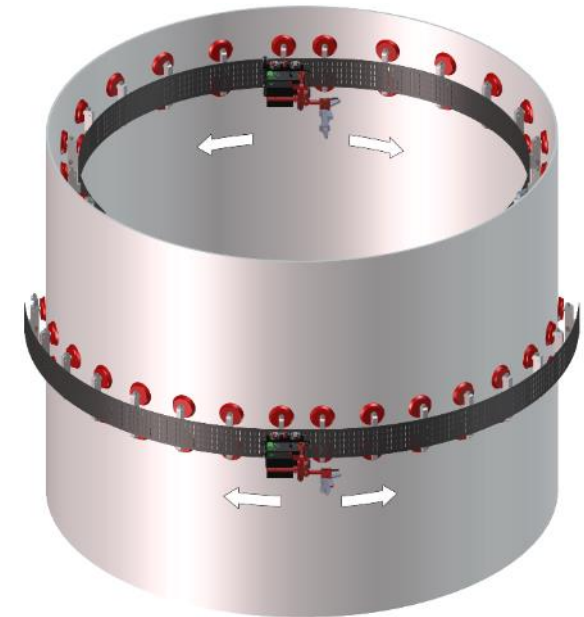
- For circumferential and straight line applications
- Minimum curve radius is 1.25 m (4.1 ft)
- A single track is 1.88 m (6.1 ft) long
- Joinable for unlimited run length
- Can be mounted to work surface with several types of magnetic units or vacuum units for non-ferrous applications
- Suitable for Gecko / Gecko HS/ Gecko Battery
- Product Code: PRW-0466-71-00-00-0



Length of 1 segment is 1.88 m (6.1 ft)



Minimum bending radius is 1.25 m (4.1 ft)



FLEXIBLE TRACKWAY

Applicable for:

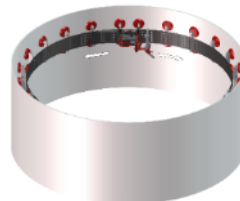
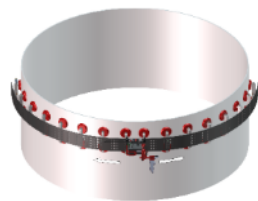
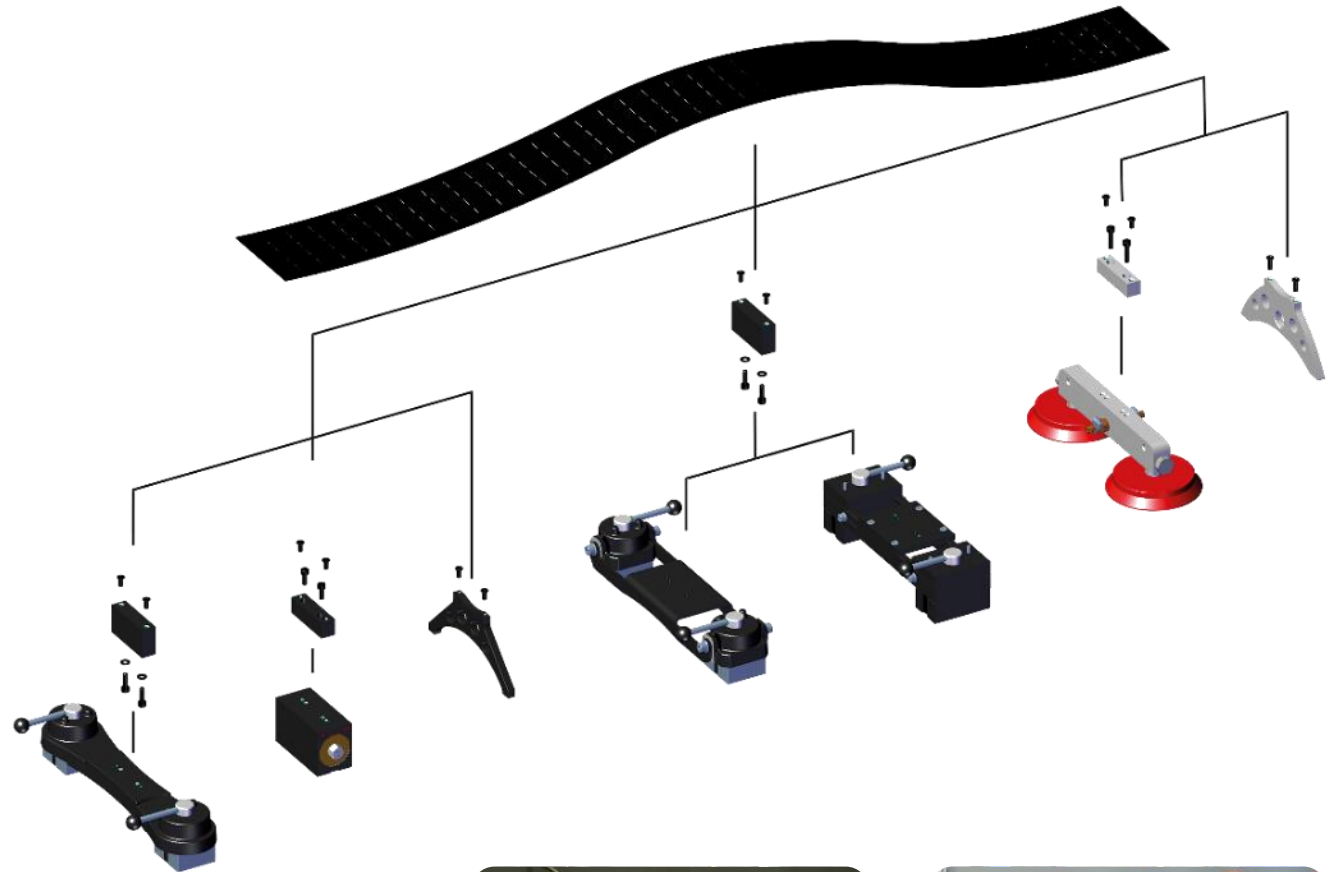
Gecko



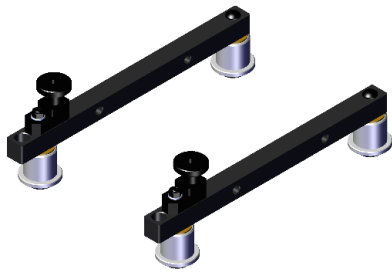
Gecko
Battery



Welding position	Qty. of units per track
PA/ 1G	min. 4 pcs
PB/2F	min. 4 pcs
PC/2G	9 pcs
PD/4F	9 pcs

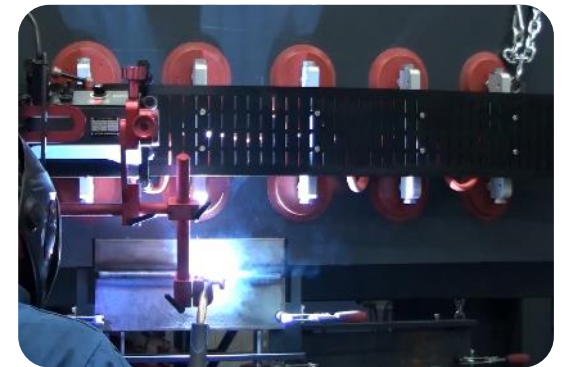
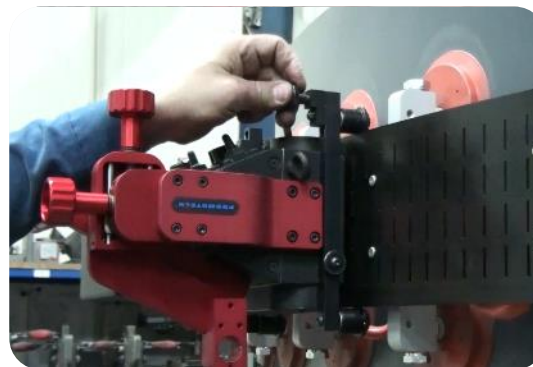
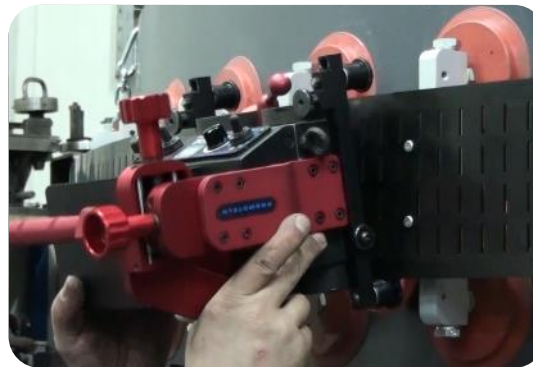


ACCESSORY for FLEXIBLE TRACKWAY



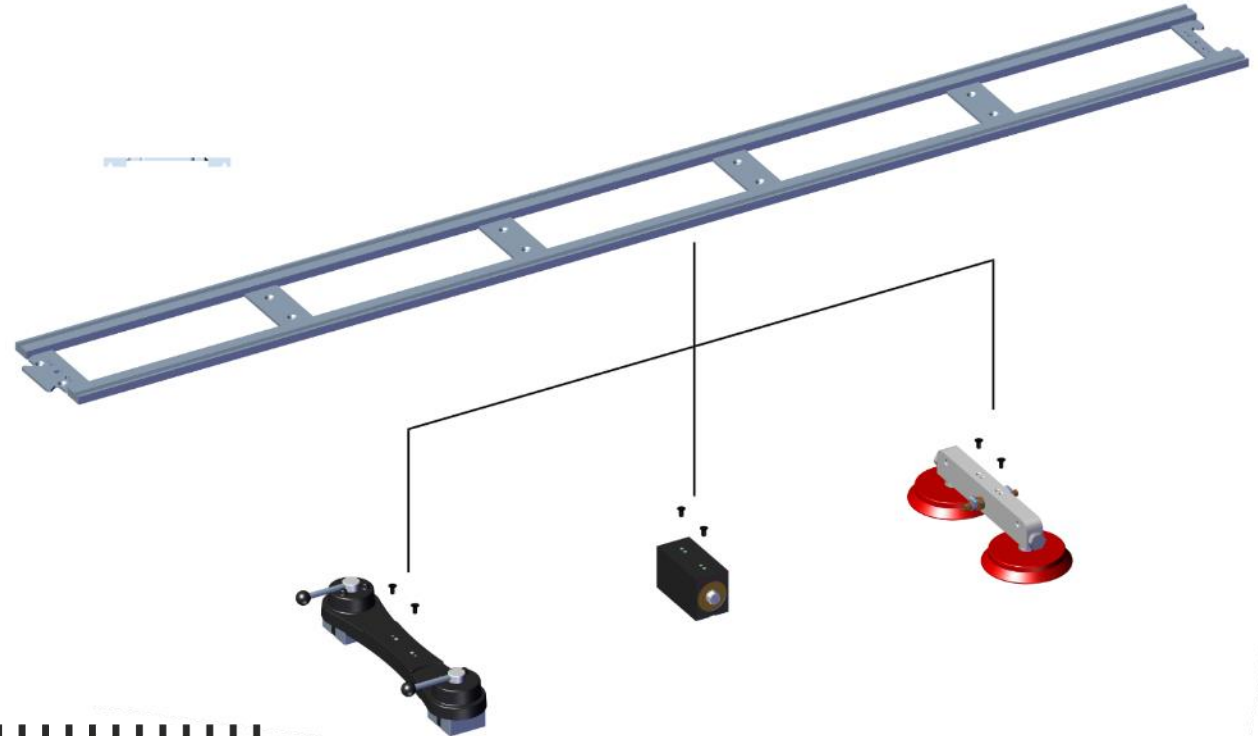
Trackway following guide arms (set of 2 pcs)

Product Code: ZST-0466-69-00-00-0



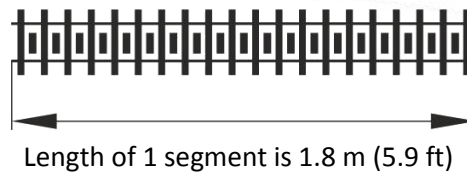
V-TRACK

- For straight line applications
- V" Groove Center Line 152mm (6")
- A single track is 1.8 m (5.9 ft) long
- Joinable for unlimited run length
- Can be mounted to work surface with magnetic or vacuum units for non-ferrous applications
- Suitable for Dragon / Dragon HS
- Product Code: TRO-0475-13-00-00-0

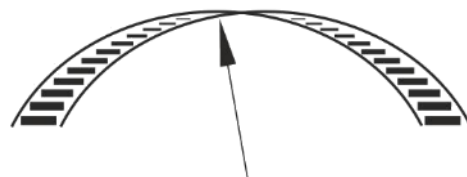


Applicable for

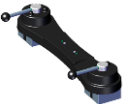


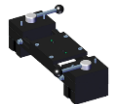
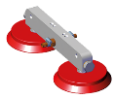
























Dragon





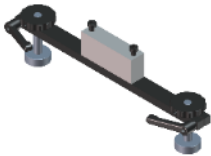
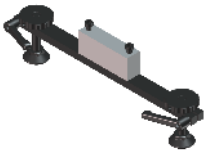
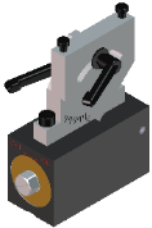
Dragon HS









MATRIX TRACKS / UNITS

TRACKS/UNITS	 Magnetic unit	 Magnetic narrow unit with hexagon	 Magnetic pivoting unit	 Magnetic spacing-adjustable unit for radius > 5 m (16 ft)	 Vacuum modular unit	 Magnetic block
Rigid track	 together with bracket DYS-0482-21-00-00-0		 together with bracket DYS-0482-21-00-00-0	 together with bracket DYS-0482-21-00-00-0		N/A
Semi-flexible track	 together with bracket DYS-0482-19-00-00-0	 together with bracket DYS-0582-10-00-00-0	 together with bracket DYS-0482-19-00-00-0	 together with bracket DYS-0482-19-00-00-0	 together with bracket DYS-0541-11-01-00-0	N/A
Custom rolled tracks	 together with bracket DYS-0482-19-00-00-0	 together with bracket DYS-0582-10-00-00-0	 together with bracket DYS-0482-19-00-00-0	N/A	 together with bracket DYS-0541-11-01-00-0	N/A
Flexible track	N/A	N/A	N/A	N/A	N/A	
Flexible trackway	 together with bracket DYS-0466-71-05-00-0	 together with bracket DYS-0466-71-07-00-0	 together with bracket DYS-0466-71-05-00-0	 together with bracket DYS-0466-71-05-00-0	 together with bracket DYS-0466-71-04-00-0	N/A
V-track			N/A	N/A		N/A






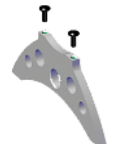
MATRIX RING TRACKS / SUPPORTS

RING TRACKS/SUPPORTS	Support with bolts	Support with magnets	Support with plastic feet	Support with pivoting magnetic narrow unit
				
	<p>Product Code: WSP-0523-14-02-00-0</p>	<p>Product Code: WSP-0523-14-12-00-0</p>	<p>Product Code: WSP-0523-14-11-00-0</p>	<p>Product Code: WSP-0523-94-00-00-0</p>







MATRIX TRACKS / TRACTORS

TRACKS/TRACTORS	 RAIL BULL	 RAIL BULL 2	 GECKO	 GECKO BATTERY	 LIZARD	 DRAGON DRAGON HS
Rigid track	●	●	N/A	N/A	N/A	N/A
Semi-flexible track	●	●	N/A	N/A	N/A	N/A
Ring tracks	N/A	●	N/A	N/A	N/A	N/A
Custom rolled tracks	N/A	●	N/A	N/A	N/A	N/A
Flexible track	N/A	N/A	●	●	●	N/A
Flexible trackway	N/A	N/A	●	●	N/A	N/A
V-track	N/A	N/A	N/A	N/A	N/A	●





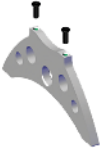

ACCESSORIES OVERVIEW

Accessory		Product Code	Application
	Bracket for magnetic unit for rigid track	DYS-0482-21-00-00-0	Rigid track
	Bracket for magnetic unit for semi-flexible track	DYS-0482-19-00-00-0	Semi-flexible track Custom rolled track
	Bracket for magnetic narrow unit for semi-flexible track	DYS-0582-10-00-00-0	Semi-flexible track Custom rolled track
	Bracket for vacuum modular unit for semi-flexible track and custom rolled track	DYS-0541-11-01-00-0	Semi-flexible track Custom rolled track
	Steel track support for semi-flexible track	WSP-0523-12-01-00-1	Semi-flexible track Custom rolled track
	Aluminum track support for semi-flexible track	WSP-0541-11-02-00-0	Semi-flexible track Custom rolled track






ACCESSORIES OVERVIEW

Accessory		Product Code	Application
	Gear Rack Adjustment Tool	PKT-0341-13-00-00-0	Rigid track Semi-flexible track Custom rolled track
	Contact block to adjust range of the Rail Bull 2 movement	ZDR-0523-76-00-00-0	Rigid track Semi-flexible track Custom rolled track
	Magnetic block for flexible track box of 10 pcs	BLO-0466-68-00-00-0	Flexible track
	Track following guide arms (set of 2 pcs) for Gecko/HS/Gecko Battery	PRW-0466-50-02-00-1	Flexible track
	Track following guide arms (set of 2 pcs) for Lizard	PRW-0476-50-01-00-1	Flexible track
	Guide adjustment tool to position the flexible track parallel to the edge	UST-0466-53-00-00-0	Flexible track









ACCESSORIES OVERVIEW

Accessory		Product Code	Application
	Bracket for magnetic unit for flexible trackway	DYS-0466-71-05-00-0	Flexible trackway
	Bracket for magnetic narrow unit for flexible trackway	DYS-0466-71-07-00-0	Flexible trackway
	Bracket for vacuum modular unit for flexible trackway	DYS-0466-71-04-00-0	Flexible trackway
	Steel track support for flexible trackway	WSP-0466-71-06-00-0	Flexible trackway
	Aluminum track support for flexible trackway	WSP-0466-71-03-00-0	Flexible trackway
	Trackway following guide arms (set of 2 pcs)	ZST-0466-69-00-00-0	Flexible trackway

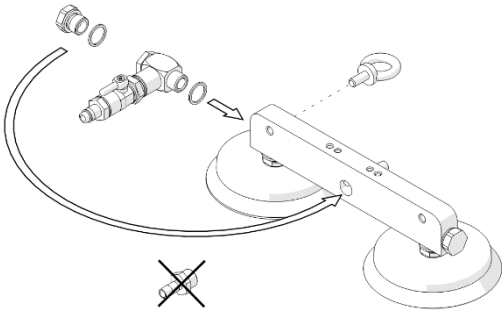
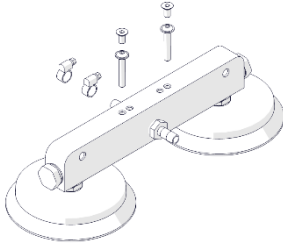
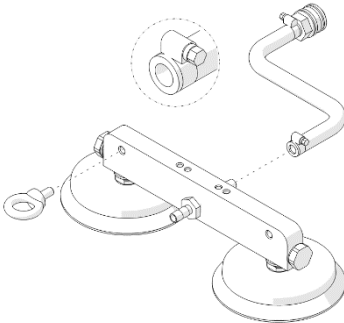
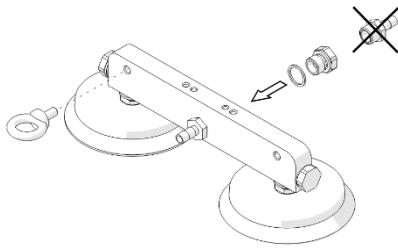










ACCESSORIES OVERVIEW

Accessory		Product Code	Notes
	Portable vacuum pump with safety reservoir	230V: AGR-0541-10-20-00-0 115V: AGR-0541-10-10-00-0 (UK plug)	generates vacuum and supports up to 21 vacuum units
	Pump connection hose	PWD-0541-06-00-00-0	Hose connecting vacuum pump to entry vacuum unit (10m, 33 ft) Required: 1 (for serial connection) 2–4 (for parallel connection)
	4-way manifold with connection cable	RZD-0541-04-00-00-0	For separately connecting the vacuum units of different tracks Required: 1 per vacuum pump (parallel connection)
	2-meter / 7-foot hose	PWD-0541-10-07-00-0	Hose for interconnecting vacuum units within rails Required: 1 per track (must be cut to the required length)
	Cut-off valve for entry vacuum unit	ZWR-0541-10-01-30-0	(seal included) Required: 1 per rail









ACCESSORIES OVERVIEW

Accessory		Product Code	Notes
	Safety eye bolt	SRB-000365	Required: 2 per rail
	Coupled hose	PWD-0541-10-04-00-0	Hose for interconnecting vacuum units of different tracks Required: 1 per additional track (for serial connection)
	Threaded plug (for end vacuum unit)	KRK-0541-99-00-00-0	Required: 1 for last rail in serial connection; 1 per each rail in parallel connection
	Hose extension adapter (compatible with quick connector)	LCZ-0541-05-00-00-0	Optional: up to 2 per vacuum pump (serial connection) up to 2 per manifold output used (parallel connection)
	Hose fitting	KRC-000013	Spare part
	Hose clamp	OPS-000005	Spare part
	Quick coupling	SZB-000018	Spare part
	Vacuum pad	SSW-0541-99-01-00-0	Spare part (seal included)





VACUUM TRACK SYSTEM CONFIGURATIONS

Entry Vacuum Unit (configuration)	Middle Vacuum Unit (no configuration required)	Extension Vacuum Unit (configuration)	End Vacuum Unit (configuration)
			
 Vacuum modular unit MST-0541-10-02-00-0	 Vacuum modular unit MST-0541-10-02-00-0	 Vacuum modular unit MST-0541-10-02-00-0	 Vacuum modular unit MST-0541-10-02-00-0
 Cut-off valve for entry vacuum unit	It doesn't need any other accessories.	 Coupled hose PWD-0541-10-04-00-0	 Threaded plug KRK-0541-99-00-00-0
 Safety eye bolt SRB-000365	It goes like it is.	 Safety eye bolt SRB-000365	 Safety eye bolt SRB-000365





VACUUM TRACK SYSTEM CONFIGURATIONS

			Serial connection							Parallel connection				
			1 track		2 tracks		3 tracks		4 tracks	2 tracks		3 tracks		4 tracks
System element:		Product code:	on curvatures or in vertical position	in horizontal flat position	on curvatures or in vertical position	in horizontal flat position	on curvatures or in vertical position	in horizontal flat position	in horizontal flat position	on curvatures or in vertical position	in horizontal flat position	on curvatures or in vertical position	in horizontal flat position	in horizontal flat position
	Portable vacuum pump with safety reservoir	230V: AGR-0541-10-20-00-0 115V: AGR-0541-10-10-00-0 (UK plug)	1	1	1	1	1	1	1	1	1	1	1	1
	Pump connection hose	PWD-0541-06-00-00-0	1	1	1	1	1	1	1	2	2	3	3	4
	4-way manifold with connection cable	RZD-0541-04-00-00-0	0	0	0	0	0	0	0	1	1	1	1	1
	2-meter / 7-foot hose	PWD-0541-10-07-00-0	1	1	2	2	3	3	4	2	2	3	3	4
	Cut-off valve for entry vacuum unit	ZWR-0541-10-01-30-0	1	1	2	2	3	3	4	2	2	3	3	4
	Safety eye bolt	SRB-000365	2	0	4	0	6	0	0	4	0	6	0	0
	Coupled hose	PWD-0541-10-04-00-0	0	0	1	1	2	2	3	0	0	0	0	0
	Threaded plug	KRK-0541-99-00-00-0	1	1	1	1	1	1	1	2	2	3	3	4





VACUUM TRACK SYSTEM CONFIGURATIONS

			1 track		Serial connection				Parallel connection					
					2 tracks		3 tracks		4 tracks	2 tracks		3 tracks		4 tracks
System element:		Product code:	in vertical position	in horizontal flat position	in vertical position	in horizontal flat position	in vertical position	in horizontal flat position	in horizontal flat position	in vertical position	in horizontal flat position	in vertical position	in horizontal flat position	in horizontal flat position
	Rigid track	PRW-0482-47-00-00-0	1	1	2	2	3	3	4	2	2	3	3	4
	Modular vacuum unit	MST-0541-10-02-00-0	7	4 min.	14	8 min.	21	12 min.	16 min.	14	8 min.	21	12 min.	16 min.
	Bracket for vacuum modular unit for semi-flexible track and custom rolled track	DYS-0541-11-01-00-0	7	4 min.	14	8 min.	21	12 min.	16 min.	14	8 min.	21	12 min.	16 min.
	Gear rack adjustment tool	PKT-0341-13-00-00-0	1	1	1	1	1	1	1	1	1	1	1	1




VACUUM TRACK SYSTEM CONFIGURATIONS

System element:		Product code:	Serial connection							Parallel connection				
			1 track		2 tracks		3 tracks		4 tracks	2 tracks		3 tracks		4 tracks
			on curvatures or in vertical position	in horizontal flat position	on curvatures or in vertical position	in horizontal flat position	on curvatures or in vertical position	in horizontal flat position	in horizontal flat position	on curvatures or in vertical position	in horizontal flat position	on curvatures or in vertical position	in horizontal flat position	in horizontal flat position
	Semi-flexible track	PRW-0482-15-05-00-0	1	1	2	2	3	3	4	2	2	3	3	4
	Modular vacuum unit	MST-0541-10-02-00-0	7	4 min.	14	8 min.	21	12 min.	16 min.	14	8 min.	21	12 min.	16 min.
	Bracket for vacuum modular unit for semi-flexible track and custom rolled track	DYS-0541-11-01-00-0	7	4 min.	14	8 min.	21	12 min.	16 min.	14	8 min.	21	12 min.	16 min.
	Gear rack adjustment tool	PKT-0341-13-00-00-0	1	1	1	1	1	1	1	1	1	1	1	1

VACUUM TRACK SYSTEM CONFIGURATIONS

			Serial connection							Parallel connection				
			1 track		2 tracks		3 tracks		4 tracks	2 tracks		3 tracks		4 tracks
System element:		Product code:	on curvatures	in horizontal flat position	on curvatures	in horizontal flat position	on curvatures	in horizontal flat position	in horizontal flat position	on curvatures	in horizontal flat position	on curvatures	in horizontal flat position	in horizontal flat position
	Custom rolled track	Available on request	1	N/A	2	N/A	3	N/A	N/A	2	N/A	3	N/A	N/A
	Modular vacuum unit	MST-0541-10-02-00-0	7	N/A	14	N/A	21	N/A	N/A	14	N/A	21	N/A	N/A
	Bracket for vacuum modular unit for semi-flexible track and custom rolled track	DYS-0541-11-01-00-0	7	N/A	14	N/A	21	N/A	N/A	14	N/A	21	N/A	N/A
	Gear rack adjustment tool	PKT-0341-13-00-00-0	1	N/A	1	N/A	1	N/A	N/A	1	N/A	1	N/A	N/A

VACUUM TRACK SYSTEM CONFIGURATIONS

System element:		Product code:	Serial connection							Parallel connection				
			1 track		2 tracks		3 tracks		4 tracks	2 tracks		3 tracks		4 tracks
			on curvatures	in horizontal flat position	on curvatures	in horizontal flat position	on curvatures	in horizontal flat position	in horizontal flat position	on curvatures	in horizontal flat position	on curvatures	in horizontal flat position	in horizontal flat position
	Flexible trackway	PRW-0466-71-00-00-0	1	1	2	2	3	3	4	2	2	3	3	4
	Modular vacuum unit	MST-0541-10-02-00-0	7 min.	5	14 min.	10	21	15	20	14 min.	10	21	15	20
	Bracket for vacuum modular unit for flexible trackway	DYS-0466-71-04-00-0	7 min.	5	14 min.	10	21	15	20	14 min.	10	21	15	20