

■ GECKO | FILLET WELDING TRACTOR

Gecko is a portable mini fillet welder designed to produce consistent high-quality welds.

It features 4-wheel drive system with magnetic traction and a control loop feedback mechanism which provides speed stabilization in all welding positions.

Constant, continuous and repeatable travel speed enables weld bead geometry that is exact to the required specifications, thus reducing costly over welding and decreasing filler metal usage, substantially.

Lots of optional accessories make Gecko fit for a specific use including cutting and welding of stainless steel constructions.

GECKO compact welding carriage weighs only 8 kg (17 lbs).



■ Applications:

- Trailer manufacturing
- Truck tanks
- Oil tanks
- Water storage tanks
- Transformers
- Shipyards
- Any application demanding a long, continuous fillet weld

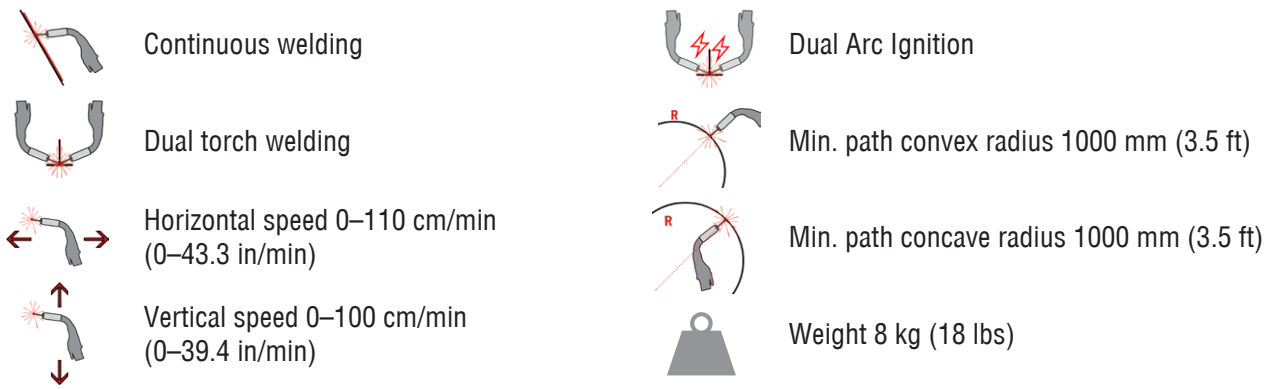


GECKO HS (High Speed)

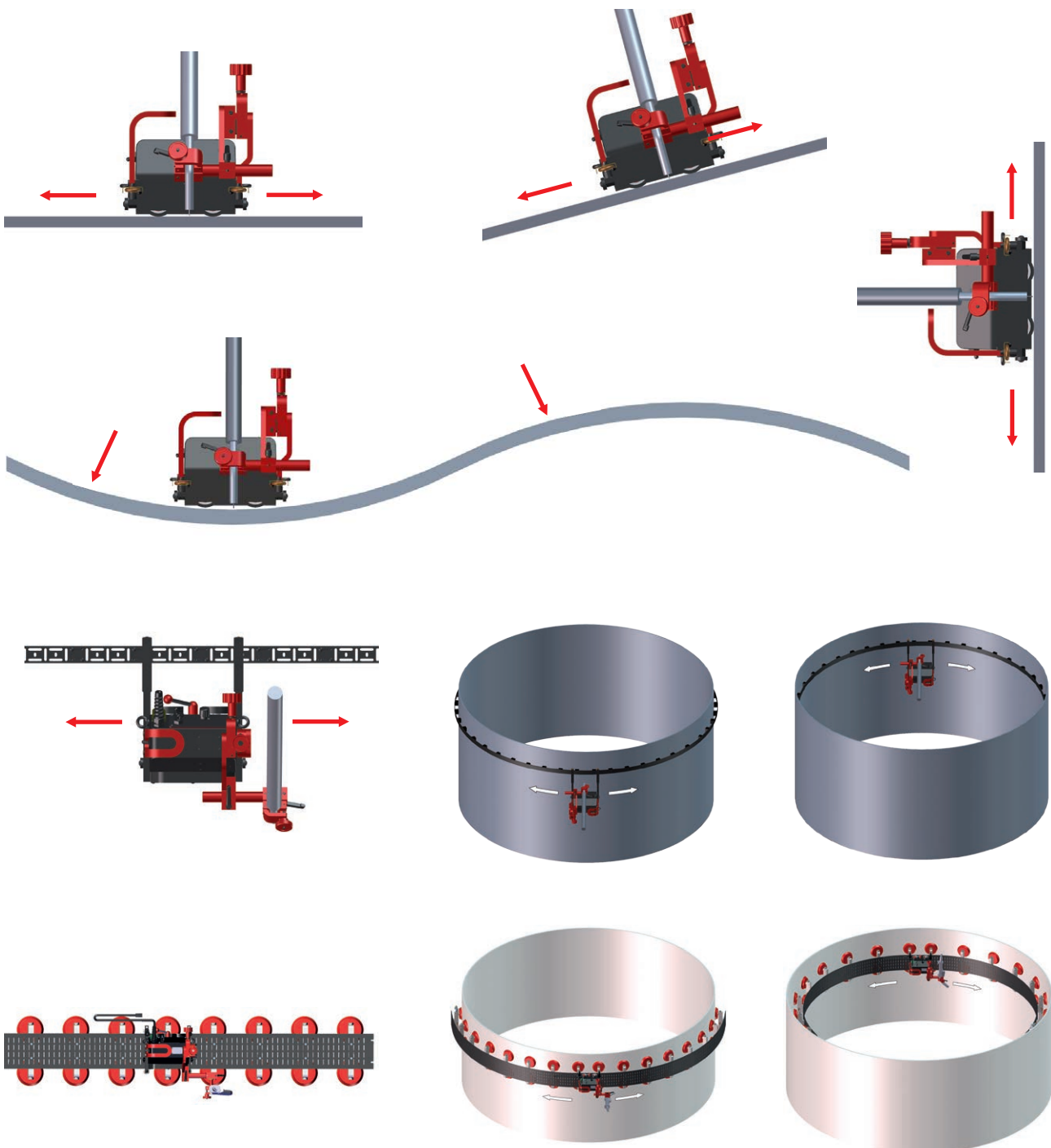
New special version for specific applications is available now

GECKO HS (High Speed)

with increased horizontal speed up to 220 cm/min (86.6 in/min) is suitable for both speed welding and plasma cutting

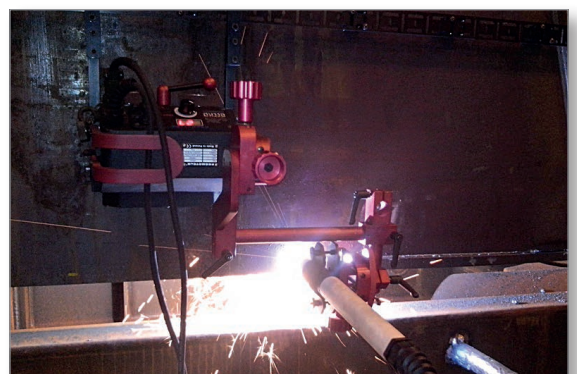


Versatility of Gecko welding tractor applications including out-of-position use



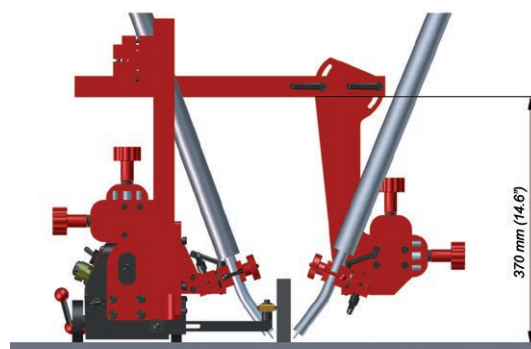
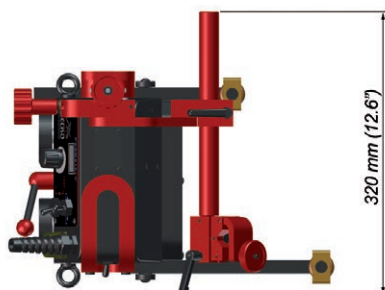
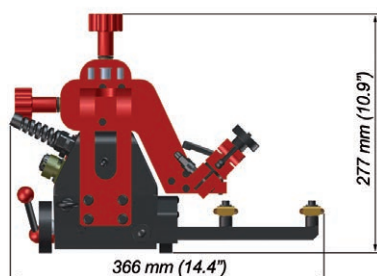
Primary features and benefits of Gecko welding tractor:

- Compact, lightweight design with durable aluminum cast housing
- Convenient Power Supply 115–230 V, 50–60 Hz or 42 V, 50–60 Hz
- Positive magnetic traction permits out of position use
- Magnet on/off lever permits easy set up and adjustment on work piece
- Maintenance free 4-wheel drive with worm gear reduction
- Heat resistant silicone wheels
- Quick clamping Torch Holder mechanism for different types of MIG/MAG torches with diameters of 16-22 mm (5/8" – 7/8"); optionally up to 35 mm (1-3/8")
- Precise torch adjustment with screw drive cross slide
- Multifunctional LED display - presetting of travel speed, error codes information
- Closed loop speed control system stabilizes travel speed to reduce weld defects and costly rework
- Consistent heat input reduces distortion
- Reduced wasted filler metal – eliminates over welding
- Automatic arc on/off system initiates welding with travel, simultaneously
- Capable of carrying and controlling 2 torches
- Self-guiding roller arms eliminate the need for track
- Multi-surface guiding with user-friendly adjustment of tractor position
- Improves working environment - removes operator from heat and fumes
- Plasma cutting possible



TECHNICAL SPECIFICATIONS	GECKO	GECKO HS
Voltage	1~ 115–230 V, 50–60 Hz 42 V, 50–60 Hz	1~ 115–230 V, 50–60 Hz 42 V, 50–60 Hz
Power	20 W	20 W
Welding position (according to EN ISO 6947 and AWS/ASME)	PA / 1F / 1G PB / 2F PC / 2G PD / 4F PE / 4G PG / 3F / 3G (contact dealer)	PA / 1F / 1G PB / 2F PC / 2G PD / 4F PE / 4G
Torch diameter	16–22 mm (0.63–0.87"); up to 35mm (1.38") option	16–22 mm (0.63–0.87"); up to 35mm (1.38") option
Minimum radius of curved workpiece surface	1000 mm (3.5 ft)	1000 mm (3.5 ft)
Minimum workpiece thickness	4 mm (0.16")	4 mm (0.16")
Ground clearance	4 mm (0.16")	4 mm (0.16")
Horizontal pulling force	150 N	150 N
Vertical pulling force	100 N	N/A
Cross slide adjustment range	0–35 mm (0–1.38") up down, left-right	0–35 mm (0–1.38") up down, left-right
Horizontal speed	0–110 cm/min (0–43.3 in/min)	5–220 cm/min (1.5–86.6 in/min)
Vertical speed	0–100 cm/min (0–39.4 in/min)	N/A
Weight	8 kg (18 lbs)	8 kg (18 lbs)
Welding settings storage	1 (last used)	1 (last used)
Product Code (115–230 V, 50–60 Hz, plug EU)	WOZ-0466-10-20-00-0	WOZ-0528-10-20-00-0
Product Code (115–230 V, 50–60 Hz, plug UK)	WOZ-0466-10-10-00-0	WOZ-0528-10-10-00-0
Product Code (42 V, 50–60 Hz)	WOZ-0621-10-04-00-0	WOZ-0622-10-04-00-0

Dimensions:

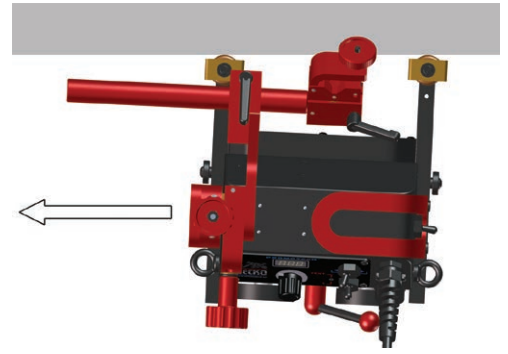


1. Drive unit with control panel
2. Magnetic adhesion release lever
3. Weld contact / Arc ignition socket
4. Power supply coupling
5. Adjustable guide arm
6. Quick clamp torch holder
7. Main power switch (0/I)
8. Cross slide assembly



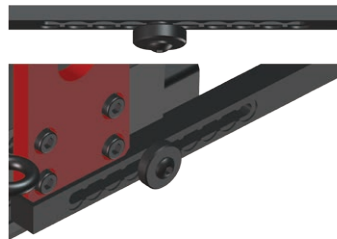
The newest improved guide arms family makes a proper welding tractor positioning even easier.

- 7 different guide types are dedicated to various welding applications and positions
- include a number of fixing grooves for your convenience
- enable simpler, easier and more consistent adjustment of how guide arms stick out
- secure proper tilting of the carriage into a direction of its movement
- maintain a permanent contact with the workpiece
- allow either interval or continuous guide arms adjustment

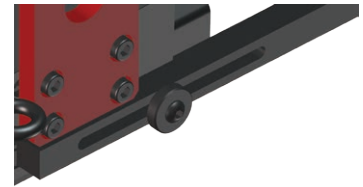


Each new guide arm has got a number of indented grooves only on one side.

All types of guide arms are available in pairs of 2 pcs: right and left.



Interval adjustment of a degree how much the guide arms stick out

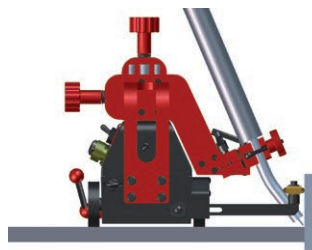


Continuous adjustment of a degree how much the guide arms stick out

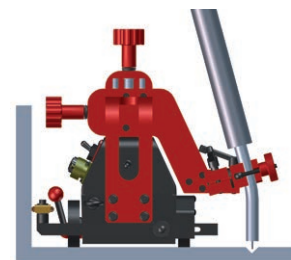
Standard accessories



PRW-0466-67-00-00-0
Standard guide arms (set of 2 pcs)



KBL-0466-17-00-00-0
Dual arc ignition cable of 6.5 m (21 ft)



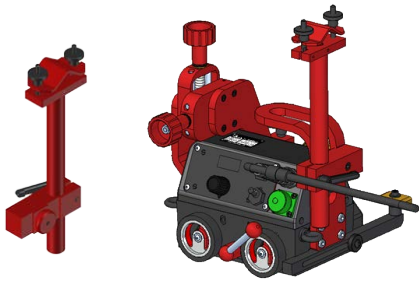
UCW-0466-04-00-00-0 Torch Holder Long Rod Clamp Assembly



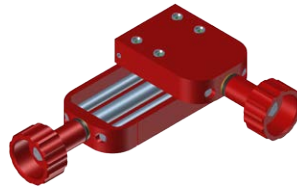
PWD-0466-18-00-00-0 (230 V CEE)
PWD-0466-16-00-00-0 (115 V USA)
PWD-0466-23-00-00-0 (115 V UK)
Power cord 3m (10 ft)



Optional accessories for variety of applications



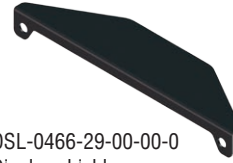
PDT-0466-55-00-00-0
Cable anchor



ZSP-0466-46-00-00-1
Extended cross-slide
0-76 mm (0-3") up-down,
0-35 mm (0-1.38") left-right



PRD-0466-43-00-00-0
Torch Extension Arm



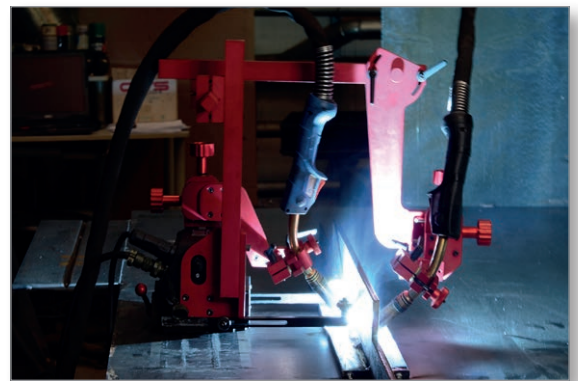
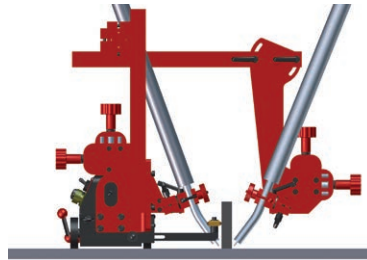
OSL-0466-29-00-00-0
Display shield



URZ-000001
Fall arrester device



PDT-0466-40-00-00-0
Dual Torch Mount



WLK-0476-20-01-00-0
Short Rod Clamp



BLO-0466-44-01-00-0
Magnet blocks (front)
M5x25



BLO-0466-47-01-00-0
Magnet blocks (front)
with increased power
M5x25



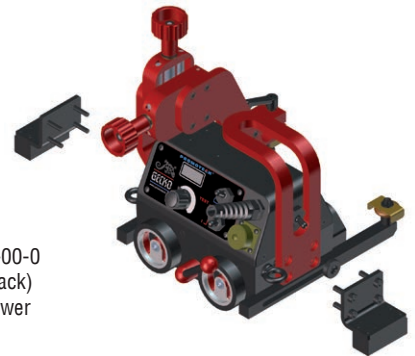
ZRZ-0466-19-00-00-0
Torch clamp 22-35 mm



BLO-0466-45-01-00-0
Magnet blocks (back) M6x25
incl. additional spacer plate
required for Gecko Battery
only



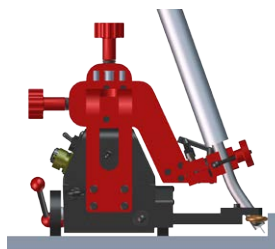
BLO-0466-48-01-00-0
Magnet blocks (back)
with increased power
M6x25



Optional accessories for multi-surface guiding and variety of applications

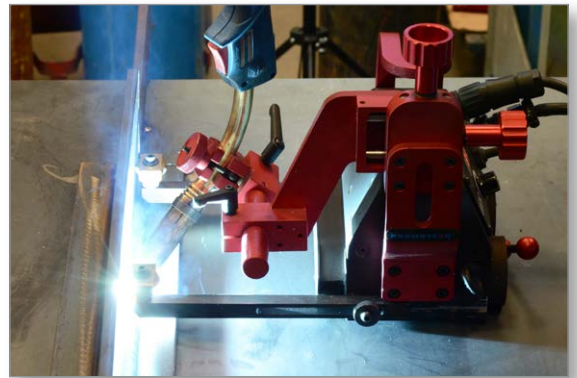
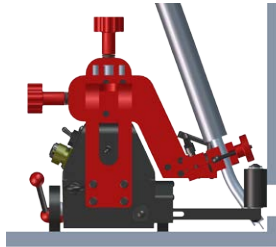


PRW-0466-65-00-00-1
Low guide arms (set of 2 pcs)

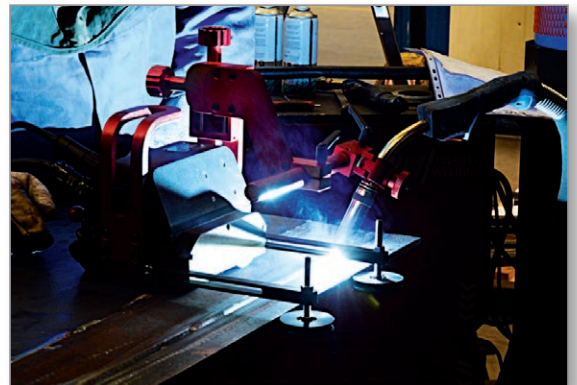
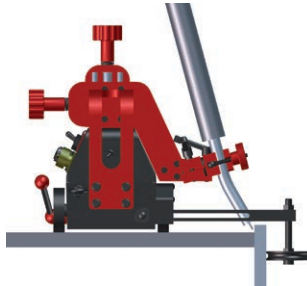




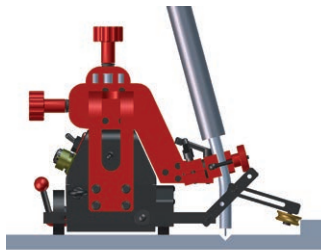
PRW-0466-66-00-00-1
High guide arms (set of 2 pcs)



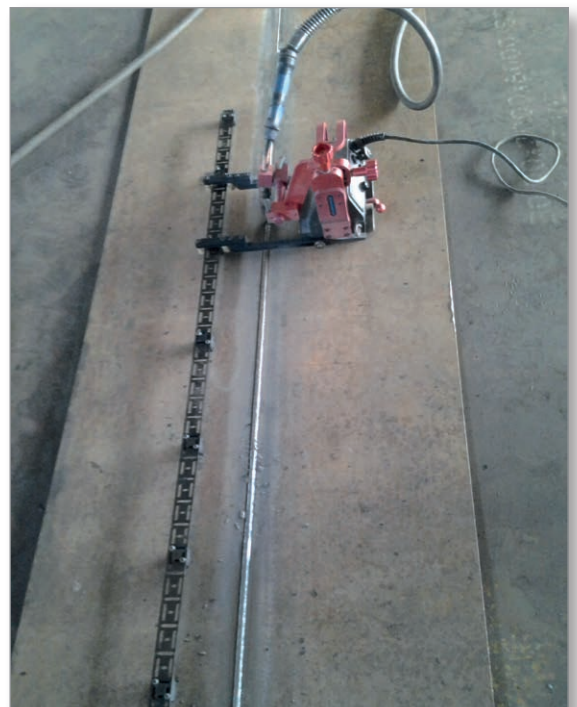
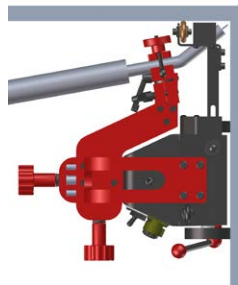
PRW-0466-41-00-00-1
Edge following guide arms (set of 2 pcs)



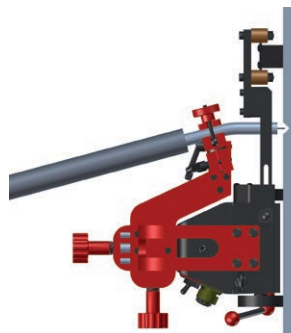
PRW-0466-42-00-00-1
Adjustable guide arms (set of 2 pcs)



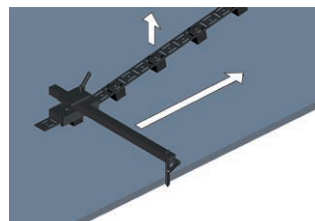
PRW-0466-52-00-00-1
Magnet guide arms (set of 2 pcs)

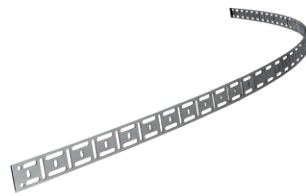


PRW-0466-50-02-00-1
Track following guide arms (set of 2 pcs)



UST-0466-53-00-00-0
Guide adjustment tool to position the track parallel to the edge

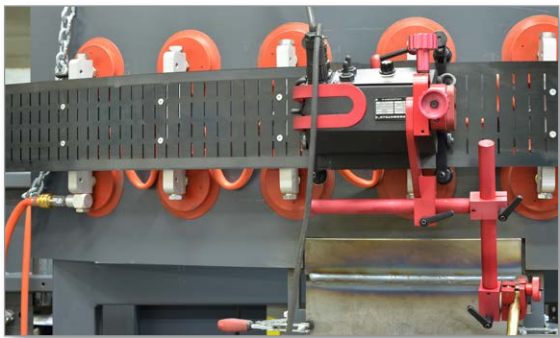




Flexible track length 185cm (6ft) 1pc
Minimum curvature radius of 1.0 m (3.3 ft)
PRW-0466-50-01-01-0

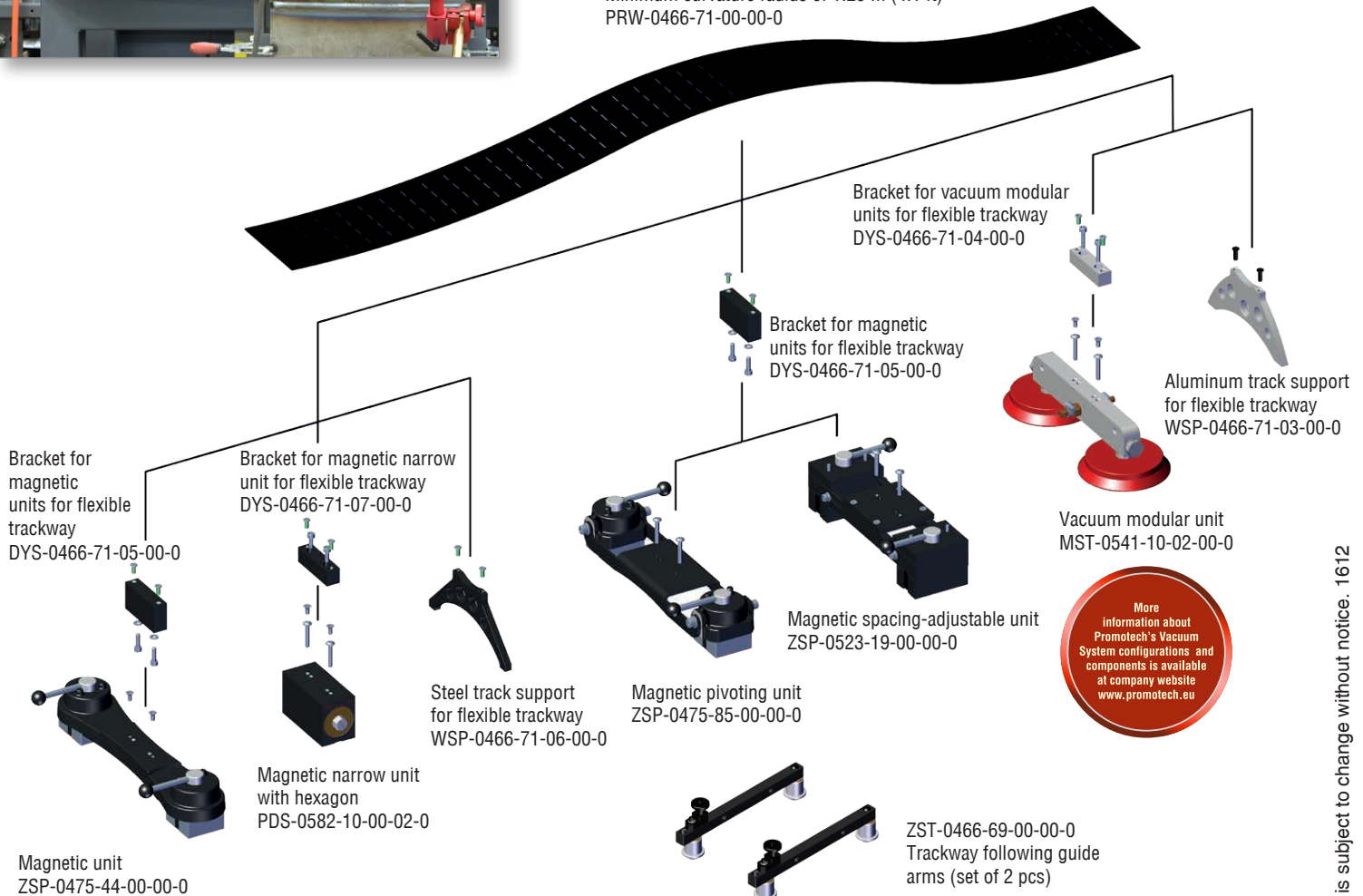


Magnetic block for flexible track
box of 10 pcs
BLO-0466-68-00-00-0



Depending on sort of fixing units in use with flexible trackway, Gecko and Gecko HS welding tractors are suitable for applications with carbon steel, stainless steel and aluminum.

Flexible trackway length 1.88 m (6.1 ft).
Minimum curvature radius of 1.25 m (4.1 ft)
PRW-0466-71-00-00-0



More information at www.promotech.eu



American Welding Society
Supporting Company Member

Mitglied im **DVS**
DVS – Deutscher Verband für Schweißen
und verwandte Verfahren e.V.



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