

STEELBEAST® GECKO

FILLET WELDING TRACTOR

⚡ 42V AC VERSIONS AVAILABLE

UPDATED

JEI
Solutions
Built for Industry



The **GECKO** is a compact, trackless welding tractor featuring four-wheel drive and powerful magnetic traction. Closed-loop speed control maintains a stable, consistent travel speed in all welding positions.

Its smooth, repeatable movement helps produce uniform weld bead geometry while reducing over-welding, filler metal consumption, and associated costs.

Adjustable arc ignition delay of up to 5 seconds at the beginning and end of travel helps achieve consistent weld fill across the full length of the joint. A wide range of accessories allows the **GECKO** to be configured for various welding positions and applications.

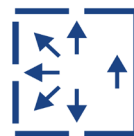
Weighing just 8 kg, the **GECKO** is easy to carry, position, and use wherever it is needed.

PRIMARY FEATURES & BENEFITS:

- Closed-loop speed control maintains a consistent travel speed for uniform heat input and repeatable weld quality.
- Multifunction LED display shows travel speed, units, and diagnostic messages.
- Four-wheel drive with magnetic traction enables operation in a wide range of welding positions.
- Adjustable torch activation timing at the start and end of travel ensures complete weld fill across the full length of the joint.
- Available in 115–230 V or 42 V, 50–60 Hz power supply options.
- Completes welding and cutting operations significantly faster than manual methods.
- Reduces over-welding, filler metal consumption, and associated costs.

APPLICATIONS:

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



The **GECKO HS** (High Speed) delivers travel speeds of up to 220 cm/min, making it ideal for high-speed welding and plasma cutting applications.



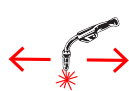
Continuous welding



Dual torch welding



Dual arc ignition



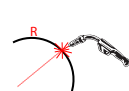
Horizontal speed
0–110 cm/min



Vertical speed
0–100 cm/min



Min. path
concave radius



Min. path
convex radius
600 mm

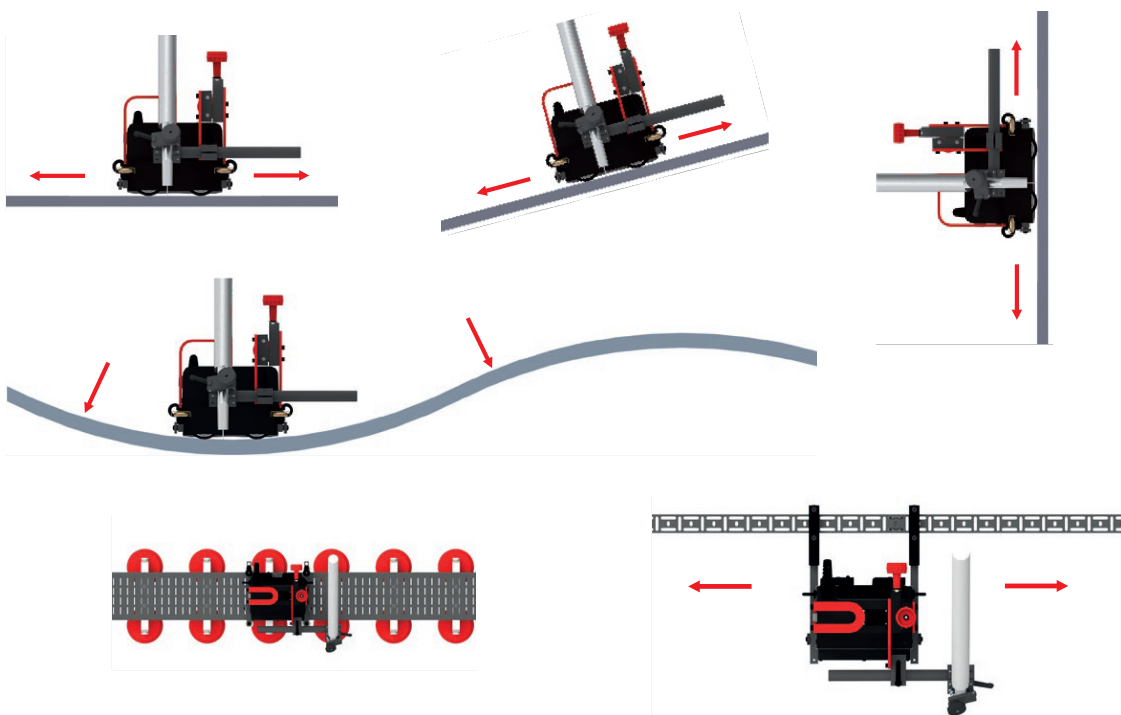


Pre-post



Weight 8 kg

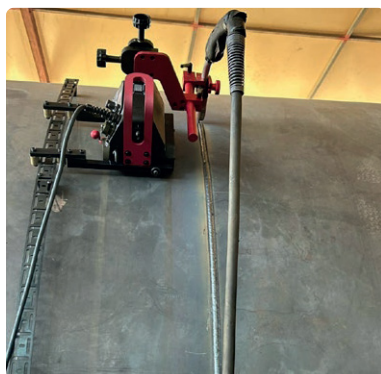
Versatile welding tractor suitable for a wide range of applications, including out-of-position welding.



Min. path convex
radius 600 mm



Min. path concave
radius 800 mm

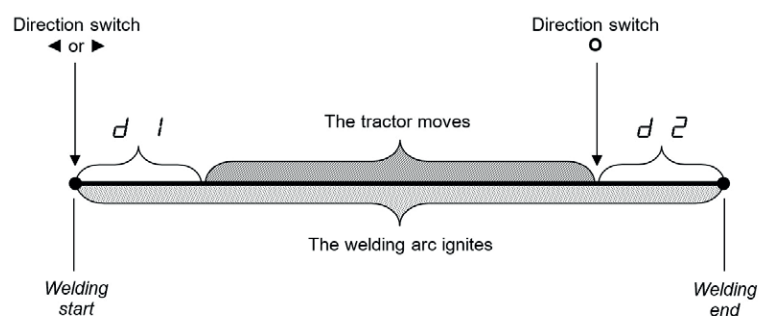


Additional **GECKO** Features & Benefits

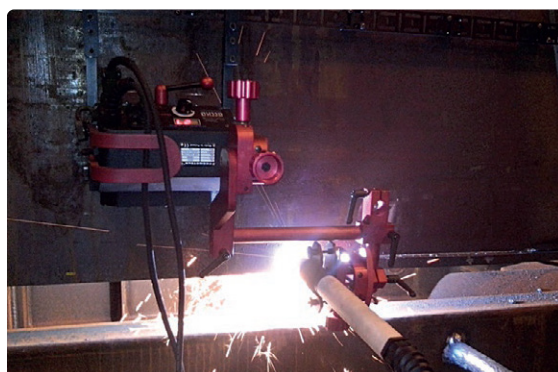
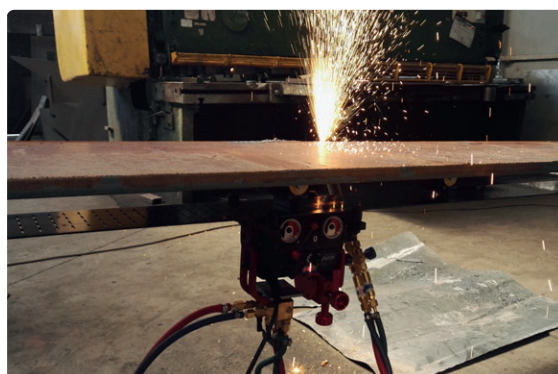
- Compact, lightweight design with a durable cast-aluminium housing.
- Strong magnetic traction enables secure out-of-position operation.
- Heat-resistant silicone wheels provide reliable performance in demanding conditions.
- Quick-release torch holder accommodates MIG/MAG torches from 16–22 mm diameter, with an optional holder for torches up to 35 mm.
- Precision cross-slide provides accurate torch positioning.
- Can carry and control two welding torches.
- Self-guiding roller arms eliminate the need for a track.
- Adjustable multi-surface guidance enables quick and accurate tractor positioning.
- Removes the operator from direct exposure to welding heat and fumes.
- Suitable for thermal cutting applications.

Pre-setting torch activation time

Users can set the torch activation time for up to 5 seconds before and after travel, ensuring complete and consistent weld fill at both ends of the joint.



Parameter	Value	Description
$d1$	0–5 s [step: 0.5 s]	Tractor movement delay time. When the direction switch is set to ◀ or ▶: • $d1 = 0$ s – the arc ignites and the tractor starts immediately, • $d1 > 0$ s – the arc ignites and the tractor starts after the set time (see drawing above)
$d2$	0–5 s [step: 0.5 s]	Arc out delay time. When the direction switch is set to 0: • $d2 = 0$ s – the tractor stops and the arc goes out immediately, • $d2 > 0$ s – The tractor stops and the arc remains active for the set time (see drawing above).



STANDARD ACCESSORIES



Standard guide arms 15 x 15 mm (set of 2 pcs)
ZST-0752-17-00-00-1



Long rod torch holder with clamp 16–22 mm
UCW-0752-07-00-00-0



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

OPTIONAL ACCESSORIES FOR VARIETY OF APPLICATIONS



Torch clamp 16–22 mm
ZRZ-0752-07-01-00-0



Torch clip 16–22 mm
ZCS-0476-06-01-00-0



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



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



Short rod torch holder with clip 16–22 mm
UCW-0476-27-00-00-0



Long Rod Clamp
WLK-0466-04-10-00-0



Short rod torch holder with clamp 16–22 mm
UCW-0754-07-00-00-0



Long rod torch holder with clip 16–22 mm
UCW-0466-22-00-00-0



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



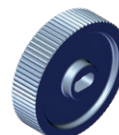
Cable anchor
PDT-0466-55-00-00-0



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



Guide arm screw short 30 mm
SRB-0466-10-00-00-0



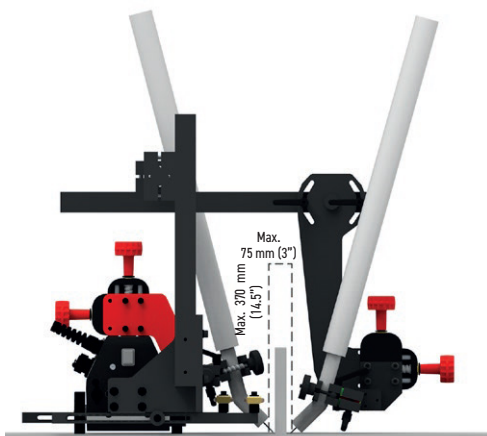
Stainless steel drive wheel
KOL-0466-72-00-00-0



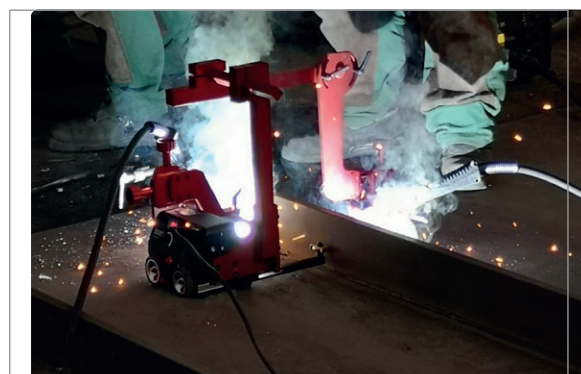
Fall arrester device
URZ-000001



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



Display cover
OSL-0466-29-00-00-0

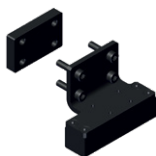




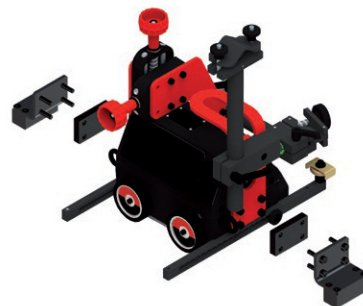
Magnet blocks
(front & back) clamping
force 55 N
BLO-0466-45-01-00-0



Magnet blocks (front)
clamping force 80 N
BLO-0752-22-00-00-0



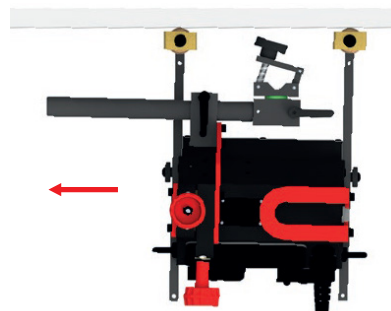
Magnet blocks (back)
clamping force 80 N
BLO-0466-48-01-00-0



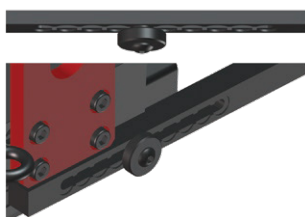
OPTIONAL ACCESSORIES FOR MULTI-SURFACE GUIDING AND VARIETY OF APPLICATIONS:

Guide arms enable a proper welding tractor positioning.

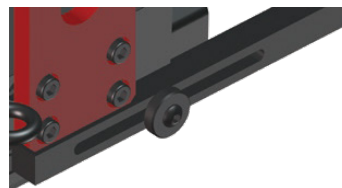
- Seven guide arm configurations are available for different welding applications and positions
- Multiple locating grooves allow quick, repeatable adjustment
- Allow simple, consistent adjustment of the guide arm extension.
- Maintain the correct tractor angle in the direction of travel
- Maintain a permanent contact with the workpiece.
- Allow stepped or continuous adjustment



Each guide arm features locating grooves
on one side



Stepped adjustment of the
guide arm extension

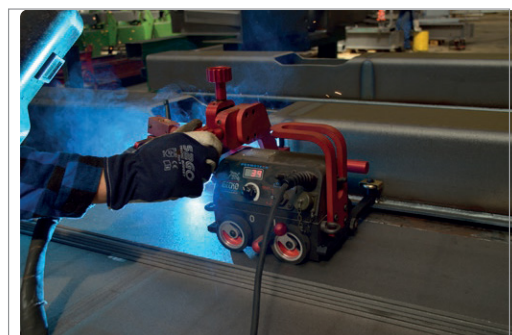


Continuous adjustment of the
guide arm extension

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



Low guide arms 15 x 15 mm (2 pcs)
PRW-0752-12-00-00-1



High guide arms 15 x 15 mm (2 pcs)
PRW-0752-13-00-00-1





Edge following guide arms
15 x 15 mm (2 pcs)
PRW-0466-41-00-00-1



Adjustable guide arms
15 x 15 mm (set of 2 pcs)
PRW-0752-10-00-00-1



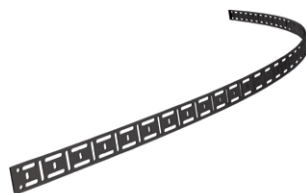
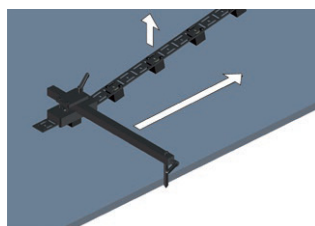
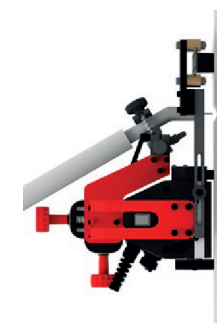
Magnet guide arms
15 x 15 mm (set of 2 pcs)
PRW-0752-11-00-00-1



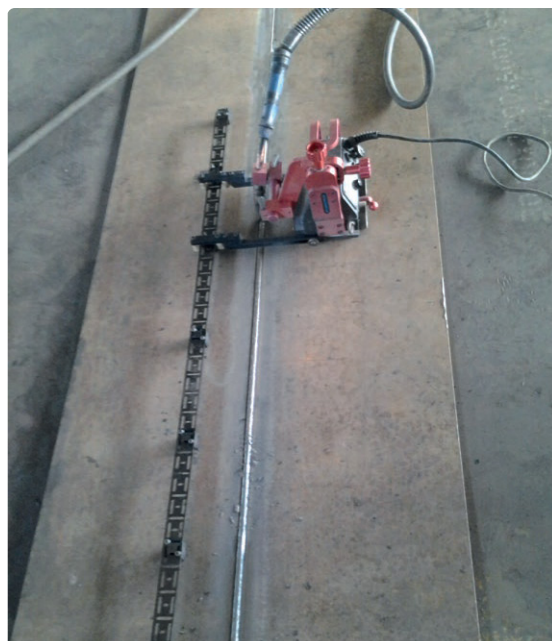
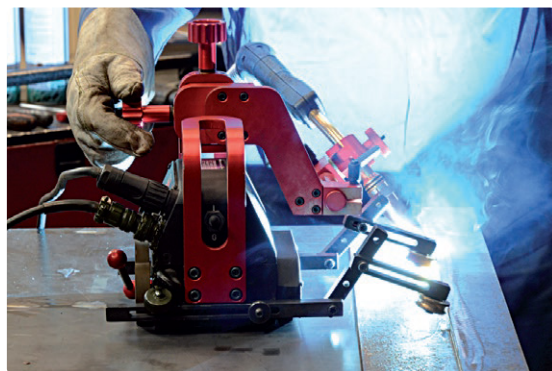
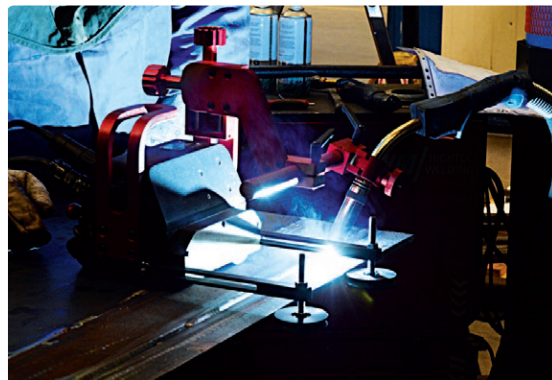
Following guide arms 15 x 15 mm
for 36 mm wide flexible track (2 pcs)
PRW-0752-14-00-00-1



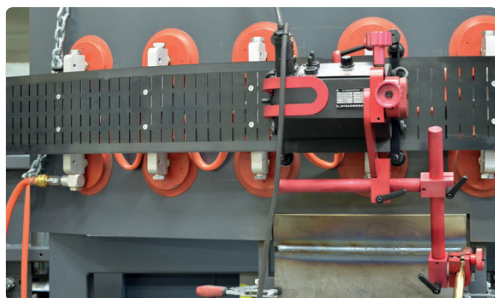
Guide adjustment tool for 36 mm
wide flexible track
UST-0466-53-00-00-0



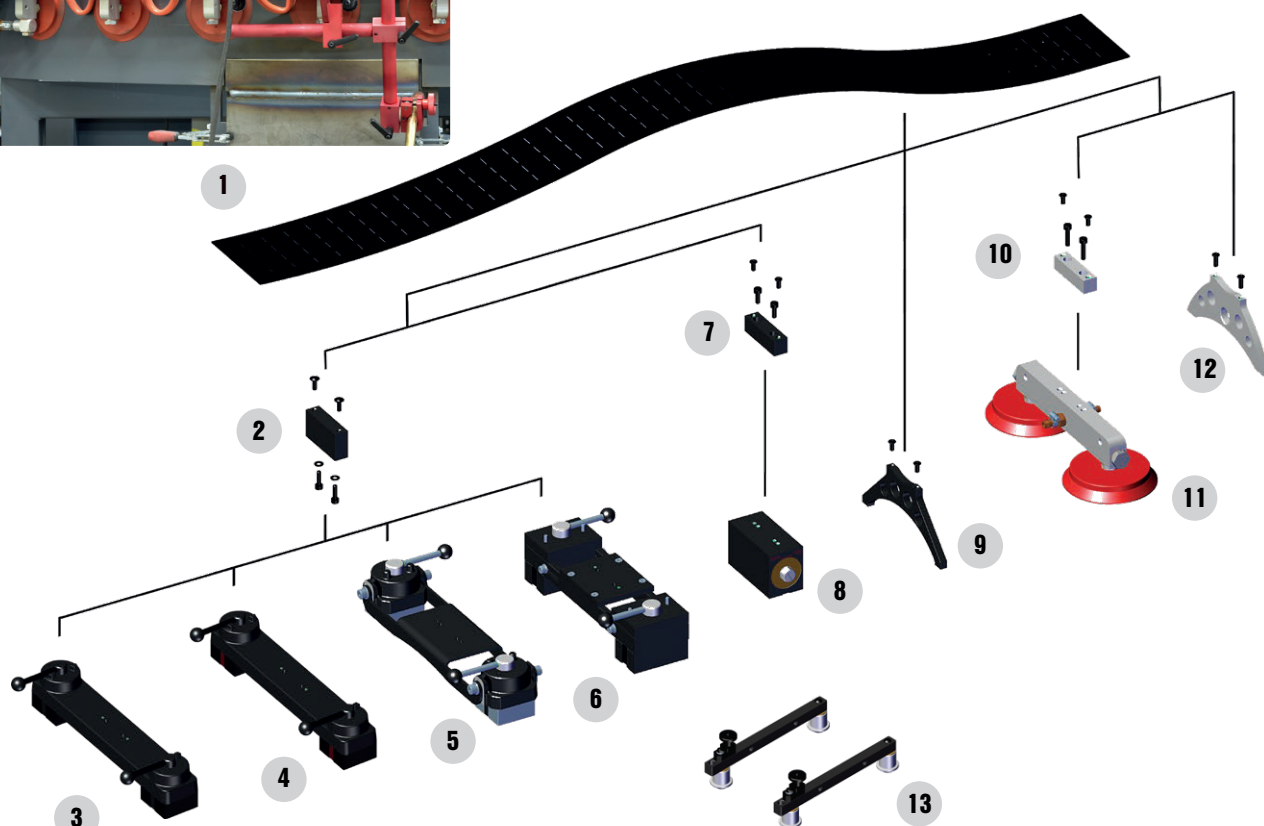
36 mm-wide flexible track,
supplied in a 1.85 m (6 ft)
length. Suitable for curved
surfaces with a minimum
radius of 1 m (3.3 ft).
PRW-0466-50-01-01-0



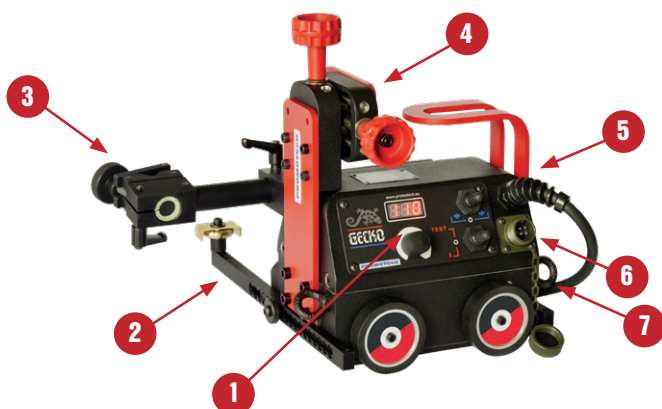
Magnetic block for 36 mm
wide flexible track
(box of 10 pcs).
BLO-0466-68-00-00-0



When used with the appropriate mounting system, the 160 mm wide flexible track allows the GECKO and GECKO HS to operate on carbon steel, stainless steel, and aluminium surfaces.



Ref.	Product code	Description
1	PRW-0466-71-00-00-0	160 mm wide flexible track length 1.88 m (6.1 ft), minimum curvature radius of 1.25 m (4.1 ft)
2	DYS-0466-71-05-00-0	Bracket for magnetic units for 160 mm wide flexible track
3	ZSP-0475-92-00-00-0	Magnetic unit
4	ZSP-0475-93-00-00-0	Heat-resistant magnetic unit
5	ZSP-0475-85-00-00-0	Pivoting magnetic unit
6	ZSP-0523-19-00-00-0	Spacing-adjustable magnetic unit
7	DYS-0466-71-07-00-0	Bracket for narrow magnetic unit for 160 mm wide flexible track
8	PDS-0582-10-00-02-0	Narrow magnetic unit with hexagon
9	WSP-0466-71-06-00-0	Steel support for 160 mm wide flexible track
10	DYS-0466-71-04-00-0	Bracket for vacuum modular unit for 160 mm wide flexible track
11	MST-0541-10-02-00-0	Vacuum modular unit
12	WSP-0466-71-03-00-0	Aluminium support for 160 mm wide flexible track
13	ZST-0466-69-00-00-0	Following guide arms for 160 mm wide flexible track (set of 2 pcs)

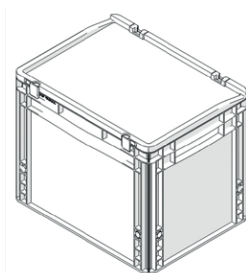


1. Drive unit with control panel
2. Adjustable guide arm
3. Quick clamp torch holder
4. Cross slide assembly
5. Main power switch (0/I)
6. Weld contact / Arc ignition socket
7. Lug for fall arrester

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 35 mm (1.38") option	16–22 mm (0.63–0.87"); up to 35 mm (1.38") option
Minimum radius of curved workpiece surface	Outer 600 mm (23-5/8") Inner 800 mm (31-1/2")	Outer 600 mm (23-5/8") Inner 800 mm (31-1/2")
Minimum workpiece thickness	4 mm (0.16")	4 mm (0.16")
Ground clearance	4 mm (0.16")	4 mm (0.16")
Horizontal pulling force	250 N	250 N
Vertical pulling force	175 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-0752-10-20-02-0	WOZ-0772-10-20-03-0
Product Code (115–230 V, 50–60 Hz, plug UK)	WOZ-0752-10-20-03-0	WOZ-0772-10-20-04-0
Product Code (42 V, 50–60 Hz)	WOZ-0777-10-04-01-0	WOZ-0778-10-04-01-0

STANDARD SHIPPING SET:

- GECKO tractor
- Standard guide arms (set of 2 pcs)
- Long rod torch holder with clamp 16–22 mm
- Dual arc ignition cable of 6.5 m (21 ft)
- 4 mm hex wrench
- Plastic box
- Operator's manual



DIMENSIONS:

