



INVEST IN THE FUTURE

# INDUCTION HEATING



RELEASING - STRAIGHTENING - SHRINK-FITTING - BENDING  
BRAZING - QUENCHING - ANNEALING

2026 B

A solid  
manufacturing  
group

900 people

C1+  
Credit Rating  
Banque de France

€ 145 000 000

70 000 m<sup>2</sup>  
2 factories



FRENCH MANUFACTURER  
SINCE 1964

A family  
company



Nicolas & Bruno  
Bouygues



Global coverage  
125 countries

5 catalogues  
3 500+ references



MMA/SMAW  
TIG/GTAW  
MIG-MAG/  
GMAW-FCAW  
Plasma cutting  
Stud welding  
Spot welding  
Accessories  
Protection  
Consumables



Spot welding  
Dent pulling  
MIG-MAG/  
GMAW-FCAW  
Plasma cutting  
Induction heating  
Riveting  
Lifting  
Bodyshop tools



Chargers  
Battery support units  
Boosters  
Starters  
Testers  
Portable energy  
Jumper cables  
EV charging  
Accessories



Releasing  
Straightening  
Shrink-fitting  
Bending  
Brazing  
Quenching  
Annealing



TIG/GTAW  
MIG-MAG/  
GMAW-FCAW



**GYS FRANCE - HEADQUARTERS**  
Laval



**GYS LOGISTIC  
CENTER**  
Laval



**GYS GERMANY**  
Aachen



**GYS U.K.**  
Rugby



**GYS CHINA**  
Shanghai



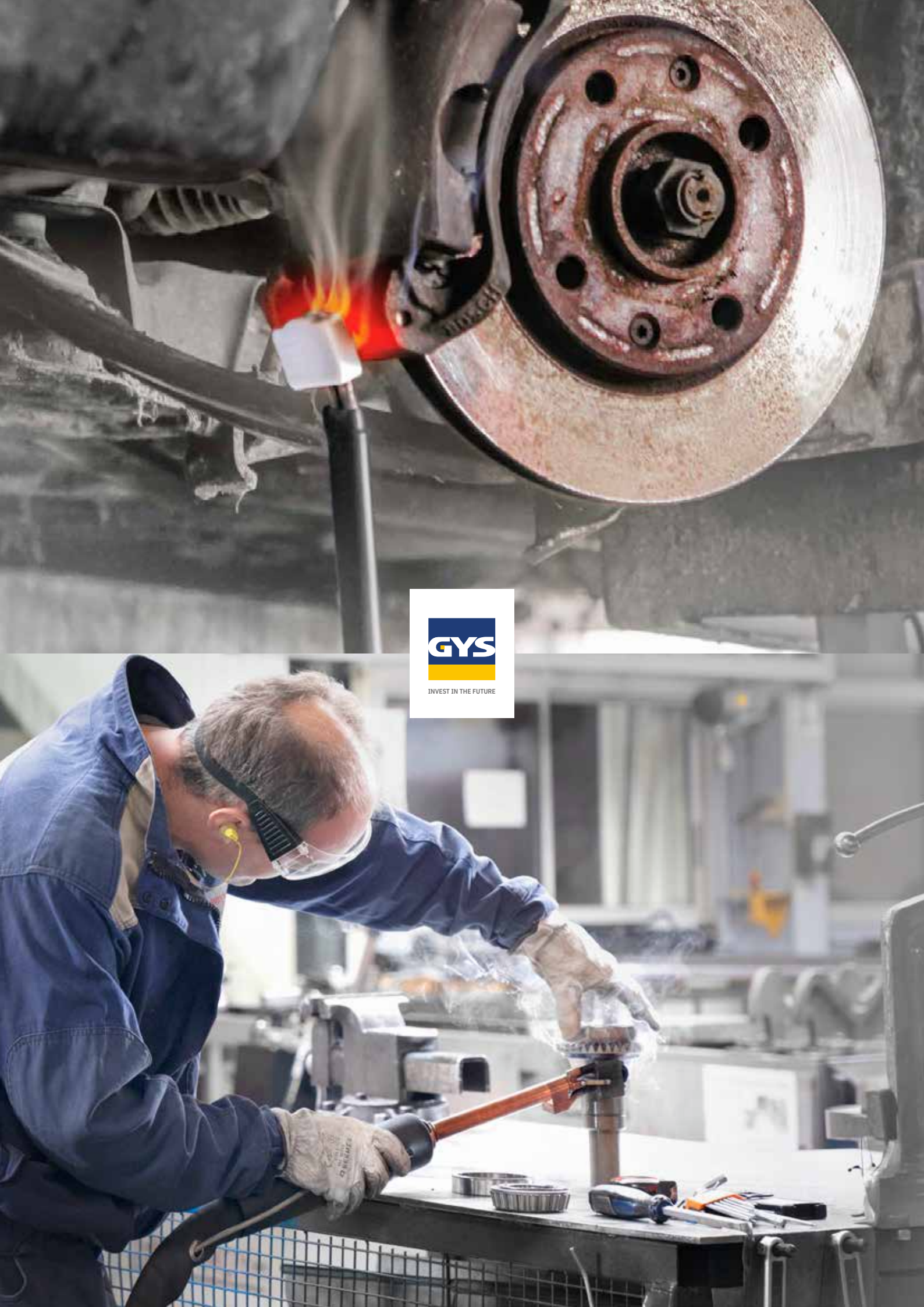
**GYS ITALIA**  
Venezia



**GYS IBERICA**  
Madrid

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# Heat without flame



Flame



Benefits of induction



## Dangerous - Danger

Use of naked flame | use of explosive gases  
Utilisation d'une flamme nue | Utilisation de gaz explosifs



## Safe - Sécurité

Flameless heating reduces the risk of fire  
Réduit le risque d'incendie



## Imprecise - Imprécision

High risk of damage to fuel pipes, wiring looms, rubber components, sensors ...  
Risque élevé d'endommagement des conduites de carburant, des faisceaux de câbles, des composants en caoutchouc, des capteurs ...



## Accurate - Précision

Only heats the required parts, not the surrounding area  
Ne chauffe que les parties concernées et non la zone environnante



## Slow - Lent

Heats metal slowly  
Chauffe lentement le métal



## Fast - Rapidité

Heats to the heart of the metal quicker than a flame  
Chauffe au cœur du métal plus rapidement qu'une flamme



## Health & safety risk - Risque pour la santé et la sécurité

Danger to staff members  
Danger pour les membres du personnel



## Easy - Accessible

No training required  
Aucune formation n'est requise



## Expensive - Onéreux

Cylinder gas refill and rental - insurance premium surcharge  
Remplissage et location de cylindre de gaz - surprime d'assurance



## Reduce costs - Coûts réduits

Up to 92% cheaper to run than on oxyacetylene.  
Savings on insurance premium  
Jusqu'à 92 % moins cher à utiliser que l'oxyacétylène. Économies sur la prime d'assurance

| Hourly oxy-acetylene cost* |      |
|----------------------------|------|
| 100 L/h                    | 4 €  |
| 300 L/h                    | 12 € |
| 500 L/h                    | 20 € |

\*Based on average direct cost of 0.04€ per L

| Hourly induction heating cost** |        |
|---------------------------------|--------|
| 37L → 3.7 kW                    | 0.59 € |
| 110LG → 11 kW                   | 1.76 € |
| 220LG → 22 kW                   | 3.52 € |

\*\*Based on average direct cost of 0.16€ per kW/h



**European leader in mobile induction technology**  
Leader européen de l'induction mobile



**THEY TRUST US**

ILS NOUS FONT  
CONFIANCE  
SIE VERTRAUEN UNS





HANDUCTOR

1.1 kW

NEW  
09/2026

LED lamp



8 inductors

Ø25/30/45 - side

Flexible



1 100 W

HANDUCTOR

AIR 230V  
090484



POWERDUCTION

1.2/1.75 kW



1 200 W

POWERDUCTION 10R

AIR 230V • 1 ~

POWERDUCTION 10R **ONE**  
(1 inductor)

089617  
091047



POWERDUCTION 10R **PLUS**  
(5 inductor)

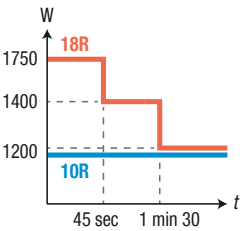
062504  
091061



| Hanductor | 10R / 18R |
|-----------|-----------|
|           |           |
|           |           |

18R:

Power adaptation  
Adaptation de puissance



1 750 W

POWERDUCTION 18R

AIR 230V • 1 ~

|                                                                                                         |                  |  |  |  | Freq. |  | Cable<br>L (m)                                                                        |          |  Heating |                                                                                       |                                                                                       |  |  |  <br>Protected &<br>compatible<br>power generator<br>(+/-15%) |
|---------------------------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                         |                  |                                                                                       | A                                                                                     | W                                                                                     | kHz   | Liquid<br>Cooling                                                                     |  | Inductor |          |  |  | L × W × H cm / kg                                                                     | L × W × H cm / kg                                                                     |                                                                                                                                                                                                                                         |
| MADE IN<br>CHINA                                                                                        | HANDUCTOR        | 230V<br>50/60 Hz                                                                      | 5 A                                                                                   | 1100                                                                                  | 55    | —                                                                                     | 1.95                                                                                  | —        | M10 → 1 s                                                                                     | 2 mm → 5 s                                                                            | Ø8 → 10 s                                                                             | 38 x 7 x 10.5 / 1.2                                                                   | 43 x 10 x 23 / 3.3                                                                    | 1.5 kW                                                                                                                                                                                                                                  |
|                                                                                                         | POWERDUCTION 10R | 230V, 1~<br>50/60 Hz                                                                  | 10<br>mini                                                                            | 1200                                                                                  | 45+80 | —                                                                                     | 2                                                                                     | 1.5      | M10 → 1 s                                                                                     | 2 mm → 5 s                                                                            | Ø8 → 10 s                                                                             | 21 x 10 x 15 / 3.5                                                                    | 089617 - 40 x 13 x 25 / 4<br>062504 - 42 x 17 x 37 / 5.6                              | 1.5 kW                                                                                                                                                                                                                                  |
|  MADE IN<br>FRANCE | POWERDUCTION 18R | 230V, 1~<br>50/60 Hz                                                                  | 10<br>mini                                                                            | 1750                                                                                  | 45+80 | —                                                                                     | 2                                                                                     | 1.5      | M10 → 1 s                                                                                     | 2 mm → 5 s                                                                            | Ø8 → 10 s                                                                             | 21 x 10 x 15 / 3.5                                                                    | 091047 - 40 x 13 x 25 / 4<br>091061 - 42 x 17 x 37 / 5.6<br>091085 - 46 x 21 x 38 / 6 | 2 kW                                                                                                                                                                                                                                    |



7

POWERDUCTION

1.1/1.2/1.75 kW

Exemples of usages - EXEMPLES D'UTILISATION - ANWENDUNGSBEISPIELE - ESEMPI DI UTILIZZO - EJEMPLOS DE USO

SECTORS - SECTEURS D'ACTIVITÉ - TÄTIGKEITSBEREICHE - SETTORI DI ATTIVITÀ - SECTORES DE ACTIVIDAD



**Flexible inductor**

800 mm  
054813

**Coiled wire side inductors**

|                                      |                                       |                                       |                                       |                                       |  |
|--------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--|
|                                      |                                       |                                       |                                       |                                       |  |
| Ø 18 mm / Ø ≤ M8<br>210 mm<br>054806 | Ø 24 mm / Ø ≤ M12<br>210 mm<br>054790 | Ø 30 mm / Ø ≤ M16<br>210 mm<br>055469 | Ø 21 mm / Ø ≤ M10<br>210 mm<br>079953 | Ø 27 mm / Ø ≤ M14<br>210 mm<br>079960 |  |

**Straight inductor**

800 mm  
054868

**Coiled wire front inductors**

|                                      |                                       |                                       |                                       |                                       |  |
|--------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--|
|                                      |                                       |                                       |                                       |                                       |  |
| Ø 18 mm / Ø ≤ M8<br>200 mm<br>079977 | Ø 21 mm / Ø ≤ M10<br>200 mm<br>079984 | Ø 24 mm / Ø ≤ M12<br>200 mm<br>079991 | Ø 27 mm / Ø ≤ M14<br>200 mm<br>080003 | Ø 30 mm / Ø ≤ M16<br>200 mm<br>080010 |  |

**ADHESIVE-REMOVAL INDUCTOR**

Sticker removal - Décollage - Entkleben  
066601

Plastic Wedges (x3)  
051294

**HEATING INDUCTOR**

Loosening - Degrippage - Lockerung  
079472

BS  
079489



**BUSHING REMOVAL - EXTRACTION D'UN SILENTBLOC**  
Flexible inductor  
Powerduction 10R



**UNSEIZING STEERING BALL JOINT - DÉGRIPPAGE D'UNE ROTULE DE DIRECTION**  
Flexible inductor  
Powerduction 10R



**UNSEIZING AN EXHAUST MANIFOLD - DÉGRIPPAGE D'UN COLLECTEUR D'ÉCHAPPEMENT**  
Coiled front wire inductor Ø21  
Powerduction 10R



**UNSEIZING WHEEL NUTS - DÉGRIPPAGE D'ÉCROUS DE JANTES**  
Coiled front inductor Ø30  
Powerduction 10R



**UNSTICKING STICKER AND MONOGRAM - DÉCOLLAGE D'AUTOCOLLANT ET DE MONOGRAMME**  
Inductor 18R/B5  
Powerduction 18R



**UNSEIZING STEERING BALL JOINT - DÉGRIPPAGE D'UNE ROTULE DE DIRECTION**  
Inductor 18R/B5  
Powerduction 18R

COMPLETE PACKS **NEW**

**Pack mobility** 089006

|                                 |                            |
|---------------------------------|----------------------------|
|                                 |                            |
| Powerduction 10R PLUS<br>062504 | Power Pack 14.22<br>085206 |

Portable energy station [p.27](#)

**Pack basic repair** 089013

|                                 |                                                   |                                              |
|---------------------------------|---------------------------------------------------|----------------------------------------------|
|                                 |                                                   |                                              |
| Powerduction 10R PLUS<br>062504 | Sticker removal - Décollage - Entkleben<br>066601 | Loosening - Degrippage - Lockerung<br>079472 |



POWERDUCTION

3.7 kW



READY TO USE  
Coolant included

NEW  
06/2026



READY TO USE  
Coolant included

New reference  
New name  
POWERDUCTION 38L

Pack  
37L

MRA 1

089037

MRA 2

089044

|                     |                                |                    |                            |                                     |                                       |                           |
|---------------------|--------------------------------|--------------------|----------------------------|-------------------------------------|---------------------------------------|---------------------------|
|                     |                                |                    |                            |                                     |                                       |                           |
| 37L + S90<br>091313 | Cooling liquid<br>2L<br>082212 | S180/B3W<br>067899 | S70/S90/<br>S180<br>088290 | Plastic<br>Wedges<br>(x3)<br>051294 | Trolley<br>UNIVERSAL<br>800<br>051331 | Cable<br>hanger<br>052284 |
| ✓                   | ✓                              | ✓                  | ✓                          | ✓                                   | —                                     | —                         |
| ✓                   | ✓                              | ✓                  | ✓                          | ✓                                   | ✓                                     | ✓                         |



READY TO USE  
Coolant included



3 700 W

POWERDUCTION 37L 230V

230V • 1 ~



S90 058927  
091313

🇬🇧: 091337  
🇫🇷: 091351



S180/B3W 067899  
091320

🇬🇧: 091344

POWERDUCTION 37L 208-240V

208-240V • 1 ~

COMING  
SOON



S90 058927  
091368

POWERDUCTION 37L PRO

230V • 1 ~



S90 058927  
088917  
🇬🇧: 091214

POWERDUCTION 38LG

230V • 1 ~



S90 058927  
088474  
🇬🇧: 090743

POWERDUCTION 38L

230V • 1 ~



S90 058927  
091702  
🇬🇧: 091719

COMING  
SOON

Difficult access adapters



90°-S  
082663

✓ S180/B1

✓ S180/B3W

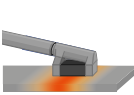
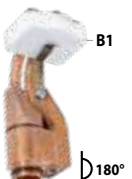
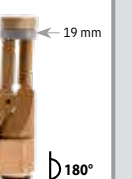
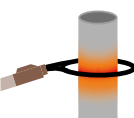
✓ S180/B6

|                      |                                             |                    |       | Freq. | Liquid Cooling |                  |             | Cable L (m) |   | Heating   |            |            | L × W × H cm / kg   | L × W × H cm / kg     |  | Protected & compatible power generator (+/-15%) |
|----------------------|---------------------------------------------|--------------------|-------|-------|----------------|------------------|-------------|-------------|---|-----------|------------|------------|---------------------|-----------------------|--|-------------------------------------------------|
|                      |                                             | A                  | W     |       | Tank capacity  | Coolant included | Cooling max | Inductor    |   |           |            |            |                     |                       |  |                                                 |
| POWERDUCTION 37L     | 230V, 1~ 50/60 Hz<br>208-240V, 1~, 50/60 Hz | 16 mini<br>20 mini | 3 700 | 15+30 | 1.5 l          | 1 l              | +0.5 l      | 4           | 2 | M10 → 1 s | 2 mm → 5 s | Ø10 → 15 s | 46 × 25 × 28 / 15   | 60 × 34 × 33 / 16.5   |  | 4 kW                                            |
| POWERDUCTION 37L PRO | 230V, 1~, 50/60 Hz                          | 16 mini            | 3 700 | 15+30 | 1.5 l          | 1 l              | +0.5 l      | 4           | 2 | M10 → 1 s | 2 mm → 5 s | Ø10 → 15 s | 43 × 33 × 27 / 18.5 | 76 × 56 × 34 / 32     |  | 4 kW                                            |
| POWERDUCTION 38LG    | 230V, 1~, 50/60 Hz                          | 16 mini            | 3 700 | 15+30 | 7 l            | 5 l              | +2 l        | 4           | 3 | M10 → 1 s | 2 mm → 5 s | Ø10 → 15 s | 44 × 35 × 61 / 35.5 | 80 × 39 × 69.5 / 41.5 |  | 4 kW                                            |

INDUCTORS

37L/38LG/38L

Small inductors

|                                                                                                     |                                                                                     |                                                                                     |                                                                                     |                    |
|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------|
|                  |  |  |  |                    |
|                                                                                                     | 90°                                                                                 | 70°                                                                                 | 180°                                                                                |                    |
|                                                                                                     | S90<br>058927                                                                       | S70<br>061569                                                                       | S180<br>059269                                                                      |                    |
|                  |  |  |  |                    |
| B1                                                                                                  | B1                                                                                  | B3<br>31 mm<br>22 mm without protection                                             | 19 mm                                                                               |                    |
| 20°                                                                                                 | 180°                                                                                | 180°                                                                                | 180°                                                                                |                    |
| S20/B1 (20°)<br>064874                                                                              | S180/B1<br>064881                                                                   | S180/B3W<br>067899                                                                  | S180/B6<br>087002                                                                   |                    |
|                  |  |  |  |                    |
| mm                                                                                                  | inch                                                                                | 20°                                                                                 | 90°                                                                                 |                    |
| Ø 20                                                                                                | 0.8"                                                                                | S20/D20<br>078796                                                                   | S90/D20<br>078871                                                                   | S180/D20<br>069985 |
| Ø 25                                                                                                | 1"                                                                                  | S20/D25<br>078802                                                                   | S90/D25<br>078888                                                                   | S180/D25<br>069992 |
| Ø 30                                                                                                | 1.2"                                                                                | S20/D30<br>078819                                                                   | S90/D30<br>078895                                                                   | S180/D30<br>070592 |
| Ø 35                                                                                                | 1.4"                                                                                | S20/D35<br>078826                                                                   | S90/D35<br>078901                                                                   | S180/D35<br>070608 |
| <b>Protection kit for loop inductors</b><br>- Kit de protection pour inducteurs<br>boucle<br>077386 |                                                                                     |                                                                                     |                                                                                     |                    |
|                |                                                                                     |                                                                                     |                                                                                     |                    |

POWERDUCTION

3.7 kW

11

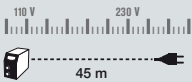


3.7 kW



POWER FACTOR CORRECTION

185 V ← 265 V



READY TO USE  
Coolant included



Youtube



## INDUCTORS 39LG

### Complete inductors



C20/B1

056862



C180/B1

056879



C180/B2

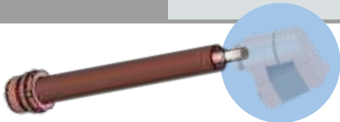
056886

### Small inductors

#### ADAPTER 28S

M28 Ø16

064485



|      |               |               |                |                                                                                                        |                   |                    |                   |
|------|---------------|---------------|----------------|--------------------------------------------------------------------------------------------------------|-------------------|--------------------|-------------------|
|      |               |               |                |                                                                                                        |                   |                    |                   |
|      | S90<br>058927 | S70<br>061569 | S180<br>059269 | S20/B1 (20°)<br>064874                                                                                 | S180/B1<br>064881 | S180/B3W<br>067899 | S180/B6<br>087002 |
|      |               |               |                | <div>Protection kit for loop inductors<br/>- Kit de protection pour inducteurs boucle<br/>077386</div> |                   |                    |                   |
| mm   | inch          |               |                |                                                                                                        |                   |                    |                   |
| Ø 20 | 0.8"          | S20/D20       | 078796         | S90/D20                                                                                                | 078871            | S180/D20           | 069985            |
| Ø 25 | 1"            | S20/D25       | 078802         | S90/D25                                                                                                | 078888            | S180/D25           | 069992            |
| Ø 30 | 1.2"          | S20/D30       | 078819         | S90/D30                                                                                                | 078895            | S180/D30           | 070592            |
| Ø 35 | 1.4"          | S20/D35       | 078826         | S90/D35                                                                                                | 078901            | S180/D35           | 070608            |
| Ø 40 | 1.6"          | S20/D40       | 078833         | S90/D40                                                                                                | 078918            | S180/D40           | 070615            |
| Ø 45 | 1.8"          | S20/D45       | 078840         | S90/D45                                                                                                | 078925            | S180/D45           | 070622            |
| Ø 50 | 2"            | S20/D50       | 078857         | S90/D50                                                                                                | 078932            | S180/D50           | 070639            |
| Ø 55 | 2.2"          | S20/D55       | 078864         | S90/D55                                                                                                | 078949            | S180/D55           | 070646            |

### POWERDUCTION 39LG



230V • 1 ~



Complete inductor C20/B1 056862

058583



Adapter 28S 064485

S90 058927

080027



3 700 W

|                                    |                  |         |      |       |                       |   |                  |     |      |             |   |           |            |            |                     |                   |      |  |
|------------------------------------|------------------|---------|------|-------|-----------------------|---|------------------|-----|------|-------------|---|-----------|------------|------------|---------------------|-------------------|------|--|
|                                    |                  |         |      | Freq. | INTEGRATED TECHNOLOGY |   | * Liquid Cooling |     |      | Cable L (m) |   | Heating   |            |            |                     |                   |      |  |
|                                    |                  | A       | W    |       |                       |   |                  |     |      |             |   |           |            |            |                     |                   |      |  |
| POWERDUCTION 39LG (C20/B1) / (S90) | 230V, 1~50/60 Hz | 16 mini | 3700 | 20+60 | ■                     | ■ | ■ 7 l            | 5 l | +2 l | 6           | 3 | M12 → 1 s | 2 mm → 5 s | Ø10 → 15 s | 46 × 36 × 70 / 46.5 | 81 × 38 × 59 / 52 | 4 kW |  |

### ACCESSORIES

#### Ferrites - Ferrites - Ferritaufsatz



B1

053823



B2

053458



B3

067875



B1

056909



B2

056916



B3

072527

#### Sticker removal - Patin sticker - Antihafkappe

B1 - PAD

088283



S70/S90/S180 - PAD

088290



#### Boxes - Boîtes

28S/B type W  
for 39LG & 50L  
072497



included:  
S20/B1 (x1)  
S180/B1 (x1)  
S180/B3 (x1)  
28S (x1)  
B1 (x1)  
B3 (x1)

Cooling liquid  
- Liquide de refroidissement

5 L

062511

10 L

052246







POWERDUCTION

11/16/22 kW

OPTIONS 110LG compact



UNIVERSAL SKATE  
087958  
↓ 11 kg  
80 x 30 x 12 cm / 11.3 kg



JOBBSITE XL TROLLEY  
039568  
↓ 18.3 kg  
66 x 47 x 20 cm / 19.5 kg

NEW



READY TO USE  
Coolant included

t° POWER HEAT CONTROLLER

t° CONTROL  
80>350°C (210>660°F)



5,5m

POWERDUCTION  
compatibility  
110, 160, 220LG

POWER HEAT  
CONTROLLER  
061644

Included  
T° Thermocouple  
sensors type  
K x2

OPTION

PYROMETER IR  
064119



for inductor L90



Youtube



READY TO USE  
Coolant included

4 m



5 m



READY TO USE  
Coolant included

6 m



READY TO USE  
Coolant included

6 m  
or  
10 m

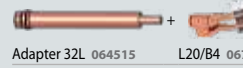
16 000 W

POWERDUCTION 160LG

400V • 3~



Adapter 32L 064515 L90 059788  
057814



Adapter 32L 064515 L20/B4 067882  
083417

POWERDUCTION 160LG 208-240 V

208-240V • 3~



Adapter 32L 064515 L20/B4 067882  
065253

22 000 W

POWERDUCTION 220LG (6m)

400V • 3~



Adapter 32L 064515 L20/B4 067882  
066861

POWERDUCTION 220LG (10m)

400V • 3~

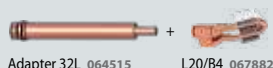


Adapter 32L 064515 L20/B4 067882  
074576

11 000 W

POWERDUCTION 110LG COMPACT

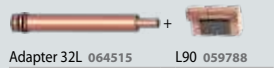
400V • 3~



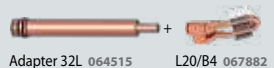
Adapter 32L 064515 L20/B4 067882  
087637

POWERDUCTION 110LG

400V • 3~



Adapter 32L 064515 L90 059788  
058590



Adapter 32L 064515 L20/B4 067882  
083400

POWERDUCTION 110LG 208-240 V

208-240V • 3~



Adapter 32L 064515 L90 059788  
065246



MADE IN FRANCE



Freq.



Liquid Cooling



Cable

L (m)



Heating



Heating



LxWxH

cm / kg



LxWxH

cm / kg



Protected & compatible power generator (+/-15%)

ACCESSORIES



Over hanging arm-pulley - Équilibre pour  
POWERDUCTION 160 - 220 LG  
079441



Protection cover - Housse de protection - Schutzhaube

for POWERDUCTION 110LG  
062733

for POWERDUCTION 160 - 220 LG  
050853



Cooling liquid - Liquide de refroidissement

2L 082212  
5L 062511  
10L 052246



2.4 kW

CAR BODY



PFC POWER FACTOR CORRECTION

FV FLEXIBLE VOLTAGE

185 V 265 V

110 V 230 V

45 m

2 400 W

GYSDUCTION AUTO

PFC AIR 230V • 1 ~

GYSDUCTION AUTO 120V

PFC FV AIR 120V • 1 ~



COMING SOON



Packs with generator  
GYSDUCTION AUTO



Bolt inductor  
053366

Remote control  
055490

Car body inductor  
053359

Glass inductor  
053373

Plastic wedges  
051294

Dent pulling  
Inductor  
054776

Spiral inductor  
054783

Universal 800  
051331

Cable support  
052284

PROLINER AUTO  
048775

3 boxes

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

COMPLETE AUTO  
053380

1 box

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

COMPLETE AUTO 120V  
084889

1 box

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

COMPLETE AUTO +  
056978

1 box

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

MECA AUTO  
048812

1 box

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

MECA AUTO +  
056961

1 box

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

BODY SHOP AUTO  
048799

1 box

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

GLASS AUTO  
048805

1 box

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

DENT REPAIR AUTO  
054981

1 box

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓



LOGO REMOVAL - DÉCOLLAGE DE LOGO  
Car body inductor



WINDSHIELD REMOVAL - RETRAIT DE PARE-BRISE  
Glass inductor



PAINTLESS DENT REPAIR - DÉBOSELAGE D'IMPACT  
Dent pulling inductor



RELEASING SEIZED NUT - DESSERRAGE D'ÉCROU ROUILLÉ  
Bolt inductor

ACCESSORIES

Freezer spray  
- Spray refroidisseur

-50 °C  
400 ml  
(x 12)  
048898



Adhesive for logo  
(x10)  
051492



for



Protection (x5)  
+ Glue - Colle  
053854

for



Protection (x1)  
+ Glue - Colle  
059108

for



Protection (x10)  
+ Glue - Colle  
053847



A

W

kHz

PFC

Tank  
capacity

Coolant  
included

Cooling  
max

Inductor

M10 → 1 s

2 mm → 5 s

Ø8 → 10 s

LxWxH cm / kg

LxWxH cm / kg

Protected  
& compatible  
power generator  
(+/-15 %)

3 kW

3 kW

3 kW



5.2 kW

CAR BODY

2 in 1

POWERDUCTION 50LG



Included



GYSDUCTION AUTO



included  
Stripping - Décapage - Entfernen  
053373

included  
Decal - Décollage - Entkleben  
053359

OPTIONS



Bolt inductor  
053366

Plastic wedges  
051294



READY TO USE  
Coolant included



included

For use < 3600W

5 200 W

COMBIDUCTION AUTO 50LG

PFC 230V • 1 ~



Complete inductor C20/B1 056862 053373 053359  
065901

COMBIDUCTION AUTO 50LG 208-240V

PFC 208-240V • 1 ~



Complete inductor C20/B1 056862 053373 053359  
084872

OPTIONS

Gysduction auto spiral  
- Inducteur pour spirale  
- Spiral-induktor

054783



2.5 m

1.2 kW

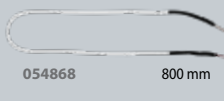
5 inductors

Included



054813

800 mm



054868

800 mm

SIDE

|         |       |        |
|---------|-------|--------|
| Ø 18 mm | ≤ M8  | 054806 |
| Ø 24 mm | ≤ M12 | 054790 |
| Ø 30 mm | ≤ M16 | 055469 |



PDR : Paintless Dent Repair - Débosselage sans  
peinture - Lackschadenfreies Ausbeulen

054776

Licensed by  
BETAG innovation

NEW  
DESIGN



High flexibility

Centring guide point



ACCESSORIES

Freezer spray  
- Spray refroidisseur

-50 °C

400 ml  
(x 12)

048898



Adhesive for logo  
(x10)  
051492



for



Protection (x5)  
+ Glue - Colle  
053854

for



Protection (x1)  
+ Glue - Colle  
059108

for



Protection (x10)  
+ Glue - Colle  
053847

INDUCTORS

COMBIDUCTION AUTO 50LG

Complete inductors

C20/B1

056862

20°



B1

C180/B1

056879

180°



B1

C180/B2

056886

180°



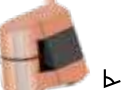
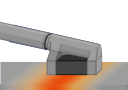
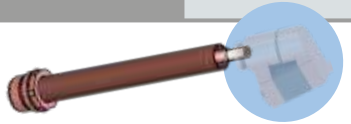
B2

Small inductors

ADAPTER 28S

M28 Ø16

064485



90°

70°

180°

S90

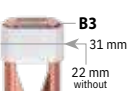
058927

S70

061569

S180

059269



B1

B1

B3

19 mm

20°

180°

180°

180°

S20/B1 (20°)

064874

S180/B1

064881

S180/B3W

067899

S180/B6

087002

Large inductors

ADAPTER 28L

M28 Ø22

064492



20°

90°

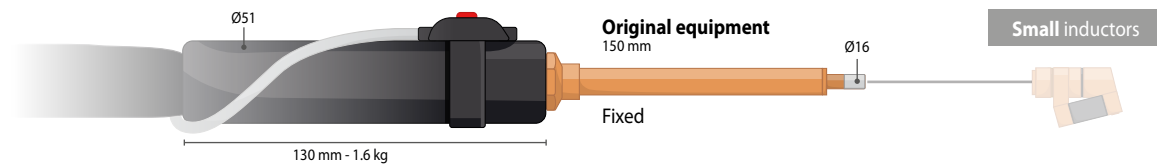
180°

See inductor program Powerduction 49LG/50LG p.15

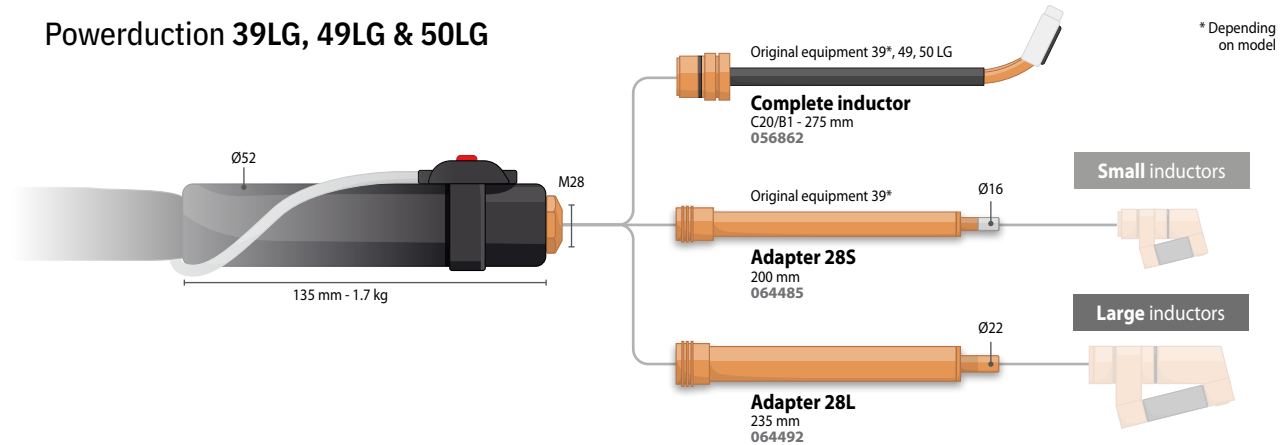
| <br>EN-60 335/1 | <br>MADE IN FRANCE |  |  |  | Freq. | Tech. |  Liquid Cooling | Cable L (m)      |             |                                                                                              |  Heating |                                                                                       |                                                                                       |  |  |  <br>Protected & compatible power generator (+/-15%) |
|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|-------|----------------------------------------------------------------------------------------------------|------------------|-------------|----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                   |                                                                                                       |                                                                                     | A                                                                                   | W                                                                                   | kHz   | PFC   | Tank capacity                                                                                      | Coolant included | Cooling max |  Inductor |          |  |  | LxWxH cm / kg                                                                         | LxWxH cm / kg                                                                         |                                                                                                                                                                                                                                |
| <b>COMBIDUCTION AUTO 50LG</b><br><b>COMBIDUCTION AUTO 50LG 208-240 V</b>                          | 230V, 1~, 50/60 Hz                                                                                    | 25 mini                                                                             | 5200                                                                                | 20÷80                                                                               | ■     | ■ 7 l | 5 l                                                                                                | +2 l             | 6           | 3                                                                                            | M14 → 1 s                                                                                   | 2 mm → 3 s<br>4 mm → 5 s                                                              | Ø10 → 10 s                                                                            | 46 x 43 x 75 / 60                                                                     | 79 x 58 x 60 / 72                                                                     | 6 kW                                                                                                                                                                                                                           |
|                                                                                                   | 208-240V, 1~, 50/60 Hz                                                                                | 25 mini                                                                             | 5200                                                                                | 20÷80                                                                               | ■     | ■ 7 l | 5 l                                                                                                | +2 l             | 6           | 3                                                                                            | M14 → 1 s                                                                                   | 2 mm → 3 s<br>4 mm → 5 s                                                              | Ø10 → 10 s                                                                            | 46 x 43 x 75 / 60                                                                     | 79 x 58 x 60 / 72                                                                     | 6 kW                                                                                                                                                                                                                           |

## ADAPTERS / ADAPTATEURS / ADAPTER / ADATTATORI / ADAPTADORES

## Powerduction 37L, 37L PRO, 38LG & 38L

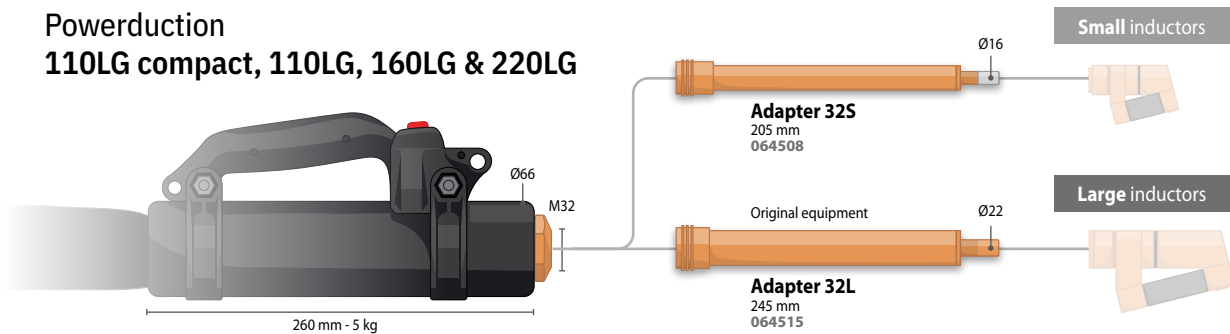


## Powerduction 39LG, 49LG & 50LG



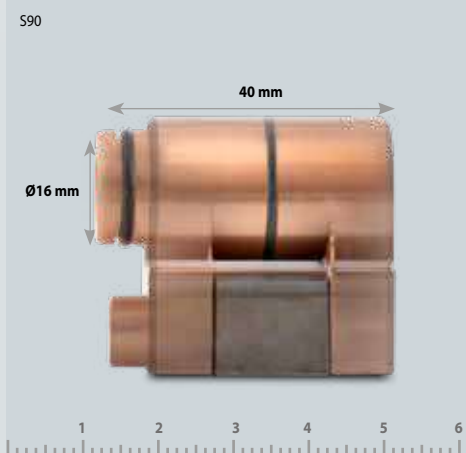
## Powerduction

### 110LG compact, 110LG, 160LG & 220LG

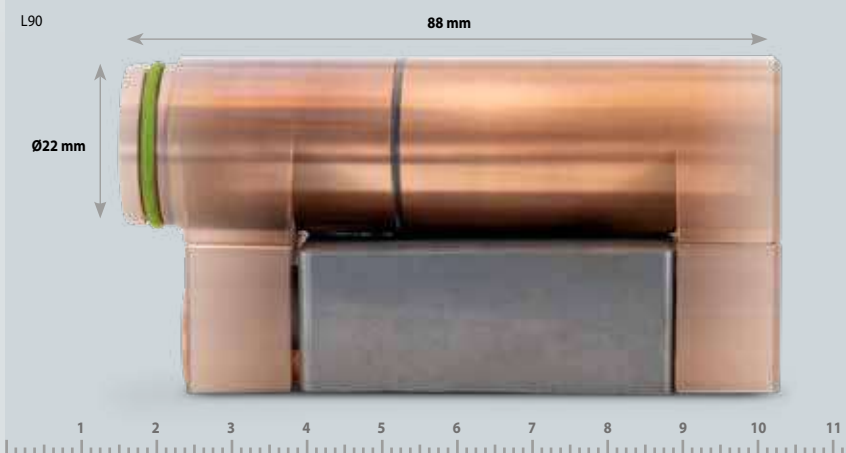


**INDUCTOR SIZE** / TAILLE DES INDUCTEURS / ANSCHLÜSSE GRÖSSE  
/ DIMENSIONE DEGLI INDUTTORI / TAMAÑO DE LOS INDUCTORES

## Small inductors



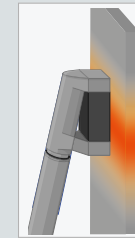
## Large inductors



# STANDARD

### Small inductors

Compatibility:  37L, 37L PRO, 38LG & 38L  39LG, 49LG & 50LG  110LG compact, 110LG, 160LG & 220LG



## Large inductors

Compatibility:  37L, 37L PRO, 38LG & 38L  39LG, 49LG & 50LG  110LG compact, 110LG, 160LG & 220LG



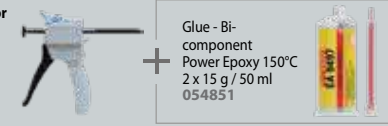
## ACCESSORIES



#### Boxes - Boîtes



**Glue kit for inductor**  
Kit de colle pour inducteur  
075948





## RINGS / BOUCLES / RINGINDUKTOREN / ANELLI / BUCLES

|                                                              |                                       |                           |                       |                    |                       |
|--------------------------------------------------------------|---------------------------------------|---------------------------|-----------------------|--------------------|-----------------------|
| Heating width<br>7 mm<br>0.3"                                |                                       |                           |                       |                    |                       |
|                                                              | Ø Section<br>(mm / inch)              | Ø Inductor<br>(mm / inch) | Ring (20°)            | Ring (90°)         | Ring (180°)           |
| Powerduction compatibility                                   | Small inductors                       |                           |                       |                    |                       |
| ✓ 37L, 37L PRO, 38LG & 38L                                   | 16 - 18<br>0.6" - 0.7"                | Ø 20<br>0.8"              | S20/D20<br>078796     | S90/D20<br>078871  | S180/D20<br>069985    |
| ✓ 39LG, 49LG & 50LG                                          | 20 - 23<br>0.8" - 0.9"                | Ø 25<br>1"                | S20/D25<br>078802     | S90/D25<br>078888  | S180/D25<br>069992    |
| ✓ 110LG compact, 110LG, 160LG & 220LG                        | 24 - 28<br>0.9" - 1.1"                | Ø 30<br>1.2"              | S20/D30<br>078819     | S90/D30<br>078895  | S180/D30<br>070592    |
|                                                              | 28 - 33<br>1.1" - 1.3"                | Ø 35<br>1.4"              | S20/D35<br>078826     | S90/D35<br>078901  | S180/D35<br>070608    |
| ✓ 39LG, 49LG & 50LG<br>✓ 110LG compact, 110LG, 160LG & 220LG | 32 - 38<br>1.3" - 1.5"                | Ø 40<br>1.6"              | S20/D40<br>078833     | S90/D40<br>078918  | S180/D40<br>070615    |
|                                                              | 36 - 43<br>1.4" - 1.7"                | Ø 45<br>1.8"              | S20/D45<br>078840     | S90/D45<br>078925  | S180/D45<br>070622    |
|                                                              | 40 - 48<br>1.6" - 1.9"                | Ø 50<br>2"                | S20/D50<br>078857     | S90/D50<br>078932  | S180/D50<br>070639    |
|                                                              | 44 - 53<br>1.7" - 2.1"                | Ø 55<br>2.2"              | S20/D55<br>078864     | S90/D55<br>078949  | S180/D55<br>070646    |
|                                                              | Large inductors                       |                           |                       |                    |                       |
| Pre-heating only<br>Préchauffe seulement<br>Nur Vorheizen    | 48 - 55<br>1.9" - 2.2"                | Ø 60<br>2.4"              | L20/D60<br>078956     | L90/D60<br>079106  | L180/D60<br>069923    |
|                                                              | 56 - 65<br>2.2" - 2.6"                | Ø 70<br>2.8"              | L20/D70<br>078963     | L90/D70<br>079113  | L180/D70<br>069930    |
|                                                              | 64 - 75<br>2.5" - 3"                  | Ø 80<br>3.1"              | L20/D80<br>078970     | L90/D80<br>079120  | L180/D80<br>069121    |
|                                                              | 72 - 85<br>2.8" - 3.3"                | Ø 90<br>3.5"              | L20/D90<br>078987     | L90/D90<br>079137  | L180/D90<br>069947    |
|                                                              | 80 - 95<br>3.1" - 3.7"                | Ø 100<br>3.9"             | L20/D100<br>078994    | L90/D100<br>079144 | L180/D100<br>069954   |
|                                                              | 88 - 105<br>3.5" - 4.1"               | Ø 110<br>4.3"             | L20/D110<br>079007    | L90/D110<br>079151 | L180/D110<br>069961   |
|                                                              | 96 - 115<br>3.8" - 4.5"               | Ø 120<br>4.7"             | L20/D120<br>079014    | L90/D120<br>079168 | L180/D120<br>069978   |
|                                                              | 104 - 125<br>4.1" - 4.9"              | Ø 130<br>5.1"             | L20/D130<br>079021    | L90/D130<br>079175 | Production on request |
|                                                              | 112 - 135<br>4.4" - 5.3"              | Ø 140<br>5.5"             | L20/D140<br>079038    | L90/D140<br>079182 |                       |
|                                                              | 120 - 145<br>4.7" - 5.7"              | Ø 150<br>5.9"             | L20/D150<br>079045    | L90/D150<br>079199 |                       |
|                                                              | 128 - 155<br>5" - 6.1"                | Ø 160<br>6.3"             | L20/D160<br>079052    | L90/D160<br>079205 |                       |
|                                                              | 136 - 165<br>5.4" - 6.5"              | Ø 170<br>6.7"             | L20/D170<br>079069    | L90/D170<br>079212 | Production on request |
|                                                              | 144 - 175<br>5.7" - 6.9"              | Ø 180<br>7.1"             | L20/D180<br>079076    | L90/D180<br>079229 |                       |
|                                                              | 152 - 185<br>6" - 7.2"                | Ø 190<br>7.5"             | L20/D190<br>079083    | L90/D190<br>079236 |                       |
|                                                              | ✓ 110LG compact, 110LG, 160LG & 220LG | 160 - 195<br>6.3" - 7.7"  | Ø 200<br>7.9"         | L20/D200<br>079090 | L90/D200<br>079243    |
|                                                              | > 7.9" & < 11.8"                      | > Ø 200 & < Ø 300         | Production on request |                    |                       |

## HALF-LOOPS / DEMI-BOUCLES / HALBSCHLEIFENINDUKTOREN / SEMIANELLO / MEDIOS BUCLES

|                                                                           |                          |                           |                      |
|---------------------------------------------------------------------------|--------------------------|---------------------------|----------------------|
|                                                                           |                          |                           |                      |
|                                                                           | Ø Section<br>(mm / inch) | Ø Inductor<br>(mm / inch) | Half loops (180°)    |
| Powerduction compatibility<br>✓ 110LG compact,<br>110LG, 160LG &<br>220LG | Large inductors          |                           |                      |
|                                                                           | 48 - 55<br>1.9" - 2.2"   | Ø 60<br>2.4"              | L180/D60H<br>088139  |
|                                                                           | 64 - 75<br>2.5" - 3"     | Ø 80<br>3.1"              | L180/D80H<br>088146  |
|                                                                           | 80 - 95<br>3.1" - 3.7"   | Ø 100<br>3.9"             | L180/D100H<br>088153 |
|                                                                           | 96 - 115<br>3.8" - 4.5"  | Ø 120<br>4.7"             | L180/D120H<br>088160 |
|                                                                           | 112 - 135<br>4.4" - 5.3" | Ø 140<br>5.5"             | L180/D140H<br>088177 |
|                                                                           | 128 - 155<br>5" - 6.1"   | Ø 160<br>6.3"             | L180/D160H<br>088184 |
|                                                                           | 144 - 175<br>5.7" - 6.9" | Ø 180<br>7.1"             | L180/D180H<br>088191 |
|                                                                           | 160 - 195<br>6.3" - 7.7" | Ø 200<br>7.9"             | L180/D200H<br>088207 |

## DOUBLE LOOPS / DOUBLES BOUCLES / DOPPELSCHLEIFENINDUKTOREN / DOPPIE ANELLE / DOBLE BUCLES

|                                                                                     |                                                                                       |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |
| Heating width<br>16 mm<br>0.6"                                                      | Ø Section<br>(mm / inch)                                                              | Ø Inductor<br>(mm / inch)                                                             | Double ring (180°)                                                                    |
| Powerduction compatibility<br>✓ 110LG compact,<br>110LG, 160LG &<br>220LG           | Large inductors                                                                       |                                                                                       |                                                                                       |
|                                                                                     | 16 - 20<br>0.6" - 0.8"                                                                | Ø 22<br>0.9"                                                                          | L180/D22-2<br>091146                                                                  |
|                                                                                     | 20 - 23<br>0.8" - 0.9"                                                                | Ø 25<br>1"                                                                            | L180/D25-2<br>091153                                                                  |
|                                                                                     | 24 - 28<br>0.9" - 1.1"                                                                | Ø 30<br>1.2"                                                                          | L180/D30-2<br>091160                                                                  |
|                                                                                     | 28 - 33<br>1.1" - 1.3"                                                                | Ø 35<br>1.4"                                                                          | L180/D35-2<br>091177                                                                  |
|                                                                                     | 32 - 38<br>1.3" - 1.5"                                                                | Ø 40<br>1.6"                                                                          | L180/D40-2<br>091184                                                                  |
|                                                                                     | 40 - 48<br>1.6" - 1.9"                                                                | Ø 50<br>2"                                                                            | L180/D50-2<br>091191                                                                  |
|                                                                                     | 48 - 55<br>1.9" - 2.2"                                                                | Ø 60<br>2.4"                                                                          | L180/D60-2<br>091207                                                                  |

Protection kit for loop inductors  
- Kit de protection pour inducteurs boucle  
077386



## HEAT TUBE / CHAUFFE DE TUBE / INNEROHR-INDUKTOREN / RISCALDAMENTO TUBI / CALENTAMIENTO DE TUBOS

**NEW**

Powerduction compatibility  
**✓** 39LG, 49LG & 50LG  
**✓** 110LG compact, 110LG,  
 160LG & 220LG

Ø  
Section  
(mm / inch)

Ø  
Inductor  
(mm / inch)

**NEW**

Powerduction compatibility  
**✓** 110LG compact, 110LG,  
 160LG & 220LG

## Small inductors

|  |                        |              |                                       |                                     |  |
|--|------------------------|--------------|---------------------------------------|-------------------------------------|--|
|  | 26 - 30<br>1" - 1.2"   | Ø 24<br>0.9" | S180 Heat Tube<br>D24 / Ø24<br>086982 | Option<br>Ferrite kit D24<br>089365 |  |
|  | 32 - 37<br>1.3" - 1.5" | Ø 30<br>1.2" | S180 Heat Tube<br>D30 / Ø30<br>086999 | Option<br>Ferrite kit D30<br>089372 |  |
|  | 39 - 45<br>1.5" - 1.8" | Ø 37<br>1.5" | S180 Heat Tube<br>D37 / Ø37<br>078604 | Option<br>Ferrite kit D37<br>089389 |  |
|  | 42 - 50<br>1.7" - 2"   | Ø 40<br>1.6" | S180 Heat Tube<br>D40 / Ø40<br>078611 | Option<br>Ferrite kit D40<br>089396 |  |
|  | 52 - 70<br>2" - 2.8"   | Ø 50<br>2"   | S180 Heat Tube<br>D50 / Ø50<br>078628 | Option<br>Ferrite kit D50<br>089402 |  |

Difficult Access  
Adapters 90°-S  
082663

**✓ S180 HEAT TUBE**  
 D24, D30, D37, D40, D50

90°

Glue - Bi-component  
Power Epoxy 150°C  
2 x 15 g / 50 ml  
054851

## BRAZING / BRASAGE / HARTLÖTEN / BRASATURA / BRAZING

Powerduction compatibility  
✓ 110LG compact, 110LG, 160LG & 220LG

|                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |
| Ø<br>Section<br>(mm / inch)                                                           | Ø<br>Inductor<br>(mm / inch)                                                          | (90°)                                                                                 | (180°)                                                                                |
| Large inductors                                                                       |                                                                                       |                                                                                       |                                                                                       |
| 16<br>0.6"                                                                            | Ø 20<br>Ø 0.8"                                                                        | L90 BRAZ 16 (90°)<br>076907                                                           | L180 BRAZ 16 (180°)<br>076914                                                         |
| 28<br>1.1"                                                                            | Ø 32<br>Ø 1.3"                                                                        | L90 BRAZ 28 (90°)<br>076921                                                           | L180 BRAZ 28 (180°)<br>076938                                                         |

Protection kit for BRAZ inductors  
- Kit de protection pour inducteurs brasage  
077515



Brazing paste for tin alloys  
- Pâte décapante pour alliage étain  
- Flussmittel für Zinn-Legierungen

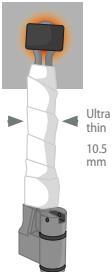
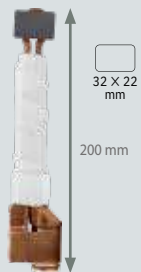
T° fusion  
> 80 °C  
< 500 °C  
100g  
047808



Brazing paste for copper / phosphorus / silver alloys  
- Pâte décapante pour alliage cuivre / phosphore / argent  
- Flussmittel für Kupfer-Phosphor-Silber-Legierungen

T° fusion  
> 450 °C  
< 800 °C  
100g  
047440



|                                                                                                                   |                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|  <p>Ultra thin<br/>10.5 mm</p> |  <p>32 X 22 mm<br/>200 mm</p> |
| Dimensions<br>(mm)                                                                                                | Difficult access -<br>Accès difficile                                                                            |
| Large inductors                                                                                                   |                                                                                                                  |
| 200 X 30 X 10.5                                                                                                   | L-X1/B1<br>089334                                                                                                |

PRE HEAT  
PRÉ-CHAUFFAGE / VORHEIZEN  
/ PRE-RISCALDAMENTO  
/ PRECALENTAMIENTO

Powerduction compatibility :  
✓ 39LG, 49LG & 50LG  
✓ 110LG compact, 110LG, 160LG & 220LG

|                                                                                       |                                                                                      |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |
| Dimensions<br>(mm / inch)                                                             | S20 Pre Heat                                                                         |
| Small inductors                                                                       |                                                                                      |
| Ø 32<br>Ø 1.3"                                                                        | D24 / Ø24<br>086975                                                                  |

Selection guide

- GUIDE DE CHOIX - LEITFADEN ZUR AUSWAHL - GUIDA ALLA SCELTA - GUÍA DE SELECCIÓN

|                      |     |            |                   |                    |      |             |      |                              |            |             |              |
|----------------------|-----|------------|-------------------|--------------------|------|-------------|------|------------------------------|------------|-------------|--------------|
|                      |     |            |                   |                    |      |             |      |                              |            |             |              |
| HAN<br>DUCTOR<br>NEW | 10R | 18R<br>NEW | 37L<br>PRO<br>NEW | 38LG<br>38L<br>NEW | 39LG | 49LG<br>NEW | 50LG | ★<br>110LG<br>Compact<br>NEW | ★<br>110LG | ★★<br>160LG | ★★★<br>220LG |

| Technical data - Données techniques - Technische Daten |           |           |         |           |               |           |           |           |  |           |           |               |           |               |           |  |
|--------------------------------------------------------|-----------|-----------|---------|-----------|---------------|-----------|-----------|-----------|--|-----------|-----------|---------------|-----------|---------------|-----------|--|
| Power supply (50/60 Hz)                                | 230 V, 1~ | 230 V, 1~ |         | 230 V, 1~ | 208-240 V, 1~ | 230 V, 1~ | 230 V, 1~ | 230 V, 1~ |  | 400 V, 3~ | 400 V, 3~ | 208-240 V, 3~ | 400 V, 3~ | 208-240 V, 3~ | 400 V, 3~ |  |
| Power                                                  | 1 kW      | 1.2 kW    | 1.75 kW | 3.7 kW    |               |           | 5.2 kW    |           |  | 11 kW     |           | 16 kW         |           | 22 kW         |           |  |
| Power Factor Correction (PFC)                          | —         | —         |         | —         |               |           | ✓         | ✓         |  |           | —         |               | —         |               | —         |  |
| Coolant liquid (max capacity)                          | Air       | Air       |         | 1.5 l     | 7 l           |           |           | 7 l       |  |           | 1.5 l     | 7 l           | 30 l      | 30 l          |           |  |
| Compatibility Power Heat controller                    | —         | —         |         | —         |               |           | —         |           |  | —         | ✓         |               |           |               |           |  |

| Heating capacity - Capacité de chauffe - Heizkapazitäten |            |            |             |           |             |            |
|----------------------------------------------------------|------------|------------|-------------|-----------|-------------|------------|
| Duty Cycle 35 °C / 100 %                                 | 30 s       | 30 s       | 7 min       | 15 min    | 15 min      | + ∞        |
| Nut Size                                                 | M10 → 1 s  | M10 → 1 s  | M10 → 1 s   | M12 → 1 s | M14 → 1 s   |            |
| Sheet Thickness                                          | 2 mm → 5 s | 2 mm → 5 s | 2 mm → 5 s  |           | 2 mm → 3 s  | 4 mm → 5 s |
| Metal Rod Diameter                                       | Ø 8 → 10 s | Ø 8 → 10 s | Ø 10 → 15 s |           | Ø 10 → 10 s |            |
| Timer mode                                               | —          | —          | ✓           |           | ✓           |            |

| Recommended uses - Préconisations d'utilisations - Empfohlene Anwendungen |   |   |   |   |
|---------------------------------------------------------------------------|---|---|---|---|
|                                                                           | ✓ | ✓ | ✓ | ✓ |
|                                                                           | ✓ | ✓ | ✓ | ✓ |
|                                                                           |   |   |   | ✓ |
|                                                                           |   |   |   | ✓ |
|                                                                           |   |   |   | ✓ |
|                                                                           |   |   |   | ✓ |
|                                                                           |   |   |   |   |

| Heating material - Chauffe des matériaux - Heizmaterial |    |    |    |    |
|---------------------------------------------------------|----|----|----|----|
| Steel                                                   | ++ | ++ | ++ | ++ |
| Iron                                                    | ++ | ++ | ++ | ++ |
| Cast iron                                               | +  | +  | +  | ++ |
| Stainless steel                                         | +  | +  | +  | ++ |
| Copper                                                  |    |    |    | +  |
| Aluminium                                               |    |    |    | +  |
| Zinc                                                    |    |    |    | +  |
| Brass                                                   |    |    |    | +  |

|           |           |               |           |               |           |
|-----------|-----------|---------------|-----------|---------------|-----------|
|           |           |               |           |               |           |
| 400 V, 3~ | 400 V, 3~ | 208-240 V, 3~ | 400 V, 3~ | 208-240 V, 3~ | 400 V, 3~ |
| 11 kW     |           |               | 16 kW     |               | 22 kW     |
| —         |           |               | —         |               | —         |
| 1.5 l     | 7 l       |               | 30 l      |               | 30 l      |
| —         | ✓         |               |           |               |           |

|            |            |            |
|------------|------------|------------|
| + ∞        | + ∞        | + ∞        |
| M18 → 1 s  | M20 → 1 s  | M45 → 2 s  |
| 2 mm → 2 s | 2 mm → 2 s | 2 mm → 1 s |
| 4 mm → 4 s | 4 mm → 4 s | 4 mm → 3 s |
| Ø 10 → 7 s | Ø 10 → 5 s | Ø 10 → 4 s |
| ✓          |            |            |

|   |   |   |
|---|---|---|
| ✓ | ✓ | ✓ |
| ✓ |   |   |
| ✓ | ✓ | ✓ |
| ✓ | ✓ | ✓ |
| ✓ | ✓ | ✓ |
| ✓ | ✓ | ✓ |
| ✓ | ✓ | ✓ |

|     |     |     |
|-----|-----|-----|
| +++ | +++ | +++ |
| +++ | +++ | +++ |
| +++ | +++ | +++ |
| +++ | +++ | +++ |
| +++ | +++ | +++ |
| +++ | +++ | +++ |
| ++  | ++  | ++  |
| +++ | +++ | +++ |

ACCESSORIES

WELDING GLOVES - Gants de soudage - Schweißhandschuhe - Guanti da saldatura - Guantes

TIG

PROTECTION GOGGLES - Lunettes de protection - Schutzbrillen - occhiali protettivi - gafas de protección

EN 166

PORTABLE ENERGY STATION - Station d'énergie portable - tragbare Ladestation - stazione di ricarica portatile - estación de energía portátil

Power Pack 14.22

2200 W / 1408 Wh

High-power AC output

LiFePO4 battery

↳ 36 × 27 × 28 cm / 17 kg

085206

Minimum working time (100 %)

|     |        |
|-----|--------|
| 18R | 40 min |
| 37L | 20 min |

Included accessories

Power Pack 29.36 FC

3600 W / 2816 Wh

High-power AC output

Real fast 2200 W AC input - 1 h full charged

LiFePO4 battery + LIFE8MS patented battery management system

↳ 38 × 42 × 58 cm / 38 kg

090156

Minimum working time (100 %)

|     |            |
|-----|------------|
| 18R | 1 h 20 min |
| 37L | 40 min     |

Included accessories

✓ MMA  
✓ TIG  
✓ MIG  
✓ PLASMA  
& more

INFRARED THERMOMETER - Thermomètre infrarouge

079922

Adjustable emissivity : 0.10 ~ 1.00

-50 / +600 °C  
-58 / +1112 °F

# Releasing - DÉGRIPPAGE - ZUM LÖSEN FESTSITZENDER TEILE - SBLOCCAGGIO - DESBLOQUEO

SECTORS OF ACTIVITY - SECTEURS D'ACTIVITÉ - TÄTIGKEITSBEREICHE - SETTORI DI ATTIVITÀ - SECTORES DE ACTIVIDAD



**RELEASING ENGINE STUDS**  
- DÉGRIPPAGE DE GOUJON DE CARTER  
Inductor S180/D30  
Powerduction 37L



**SEIZED WHEEL NUTS REMOVAL**  
- DÉGRIPPAGE ÉCROUS DE ROUE  
Inductor S180/B3W  
Powerduction 37L



**UNSEIZING LINKAGE ARMS**  
- DÉGRIPPAGE BRAS DE RELEVAGE  
Inductor L90  
Powerduction 160LG



**RELEASING CONNECTING RODS**  
- DÉGRIPPAGE BIELLETTE DE DIRECTION  
Inductor S90  
Powerduction 37L



**DE-SEALING AN EXHAUST LINE ASSEMBLY**  
- DÉGRIPPAGE LIGNE D'ÉCHAPPEMENT  
Inductor S90  
Powerduction 37L



**RELEASING BRAKE CALIPER**  
- DÉGRIPPAGE ÉTRIER DE FREIN  
Inductor S20/B1  
Powerduction 39LG

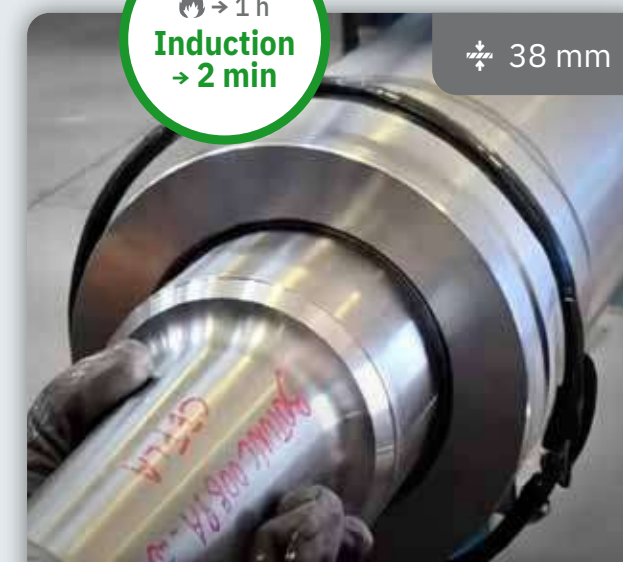
# Shrink-fitting - FRETAGE - EINSCHRUMPFEN - CALETTAMENTO - FRETEADO

SECTORS OF ACTIVITY - SECTEURS D'ACTIVITÉ - TÄTIGKEITSBEREICHE - SETTORI DI ATTIVITÀ - SECTORES DE ACTIVIDAD



✂ → 5 h  
Induction  
→ 2 min

**HYDRAULIC CYLINDER MAINTENANCE** - MAINTENANCE  
VÉRINS HYDRAULIQUE  
Ring inductors  
Powerduction 220LG



🔥 → 1 h  
Induction  
→ 2 min

± 38 mm

**STEEL TUBE SHRINK-FITTING** - FRETAGE DE TUBE ACIER  
Inductor L180/D300 (on demand)  
Powerduction 220LG



± 13 mm

**BUCKET PIN EXTRACTION** - EXTRACTION D'AXES  
Inductor L180/D120H  
Powerduction 220LG



**STEEL PIPE ASSEMBLY** - EMBOITAGE TUBES ACIER  
Inductor L180/D150  
Powerduction 160LG

# Straightening - REDRESSAGE - RICHTEN - RADDRIZZAMENTO - ENDEREZADO

SECTORS OF ACTIVITY - SECTEURS D'ACTIVITÉ - TÄTIGKEITSBEREICHE - SETTORI DI ATTIVITÀ - SECTORES DE ACTIVIDAD



**STRAIGHTENING MANURE TANK**  
- REDRESSAGE CUVE À FUMIER  
Inductor L20/B4  
Powerduction 110LG



**ROUND BALERS ROTOR TEETH STRAIGHTENING**  
- REDRESSAGE DE DENTS DE ROTOR DE PRESSE À BALLES ROND  
Inductor L-X1/B1  
Powerduction 220LG



**TRUCK CHASSIS STRAIGHTENING** - REDRESSAGE  
CHASSIS DE CAMION  
Inductor L90  
Powerduction 220LG



**BUCKET TOOTH STRAIGHTENING** - REDRESSAGE  
DENT DE GODET  
Inductor L20/B4  
Powerduction 110LG

# Brazing - BRASAGE - HARTLÖTEN - BRASATURA - BRAZING

SECTORS OF ACTIVITY - SECTEURS D'ACTIVITÉ - TÄTIGKEITSBEREICHE - SETTORI DI ATTIVITÀ - SECTORES DE ACTIVIDAD



**BRAZING COPPER FITTING** - BRASAGE RACCORD CUIVRE  
Inductor L90 Braz 28  
Powerduction 110LG



**BRAZING STEEL ELBOW** - BRASAGE COUDE ACIER  
Inductor L180/D120  
Powerduction 160LG



**BRAZING BRASS PARTS** - BRASAGE PIÈCE LAITON  
Inductor L90 Braz 28  
Powerduction 160LG



**BRAZING COPPER PIPE** - BRASAGE TUYAU CUIVRE  
Inductor L90 Braz 16  
Powerduction 110LG

# Various heating - CHAUFFES VARIÉES - WÄRMEN - RISCALDAMENTO - CALENTAMIENTO

SECTORS OF ACTIVITY - SECTEURS D'ACTIVITÉ - TÄTIGKEITSBEREICHE - SETTORI DI ATTIVITÀ - SECTORES DE ACTIVIDAD



→ 45 min  
**Induction**  
→ 4 min



**HEAT EXCHANGER TUBE REMOVAL**  
- EXTRACTION DU TUBE D'UN ÉCHANGEUR THERMIQUE  
Inductor Heat Tube D50  
Powerduction 160LG

→ 3 min  
**Induction**  
→ 30 s



**TRAILER MANUFACTURE - STEEL BENDING** - FABRICATION DE REMORQUE - CINTRAGE ACIER  
Inductor L70  
Powerduction 220LG



**VALVE SEATS EXTRACTION**  
- EXTRACTION SIÈGES DE SOUPAPE  
Inductor Heat Tube D40  
Powerduction 160LG

→ 25 min  
**Induction**  
→ 1 min

Ø 50 mm



**STEEL BAR BENDING**  
- CINTRAGE BARRE ACIER  
Inductor L20/B4  
Powerduction 110LG



**STEEL BAR FORGING**  
- FORGEAGE BARRE ACIER  
Inductor L180/D60  
Powerduction 220LG



**OIL TANK COATING REMOVAL**  
- DÉCAPAGE DU REVÊTEMENT D'UN RÉSERVOIR  
Inductor L20 Alu Glove  
Powerduction 220LG

# Heat shrinking - CHAUDE DE RETRAIT - SCHRUMPFEN - TERMORETRAIBILE - TERMORRETRÁCTIL

SECTORS OF ACTIVITY - SECTEURS D'ACTIVITÉ - TÄTIGKEITSBEREICHE - SETTORI DI ATTIVITÀ - SECTORES DE ACTIVIDAD



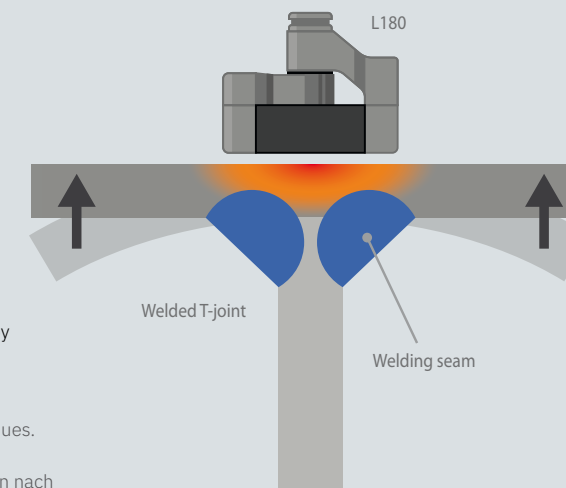
## Heat shrinking with Induction heating in welding workshops

LA CHAUDE DE RETRAIT PAR INDUCTION DANS LES ATELIERS DE SOUDAGE - SCHRUMPFEN MIT INDUKTION IN SCHWEISSWERKSTÄTTEN

**EN** - In metal fabrication and construction, welding often causes distortion. Induction heating makes it possible to correct this distortion after welding by utilising thermal expansion and contraction.

**FR** - Dans la fabrication et la construction métallique, le soudage provoque souvent des déformations. La chauffe par induction permet de corriger ces déformations après soudage grâce à la dilatation et à la contraction thermiques.

**DE** - In der Fertigung und im Stahlbau führt das Schweißen häufig zu Verformungen. Durch Induktionserwärmung lassen sich diese Verformungen nach dem Schweißen mithilfe thermischer Ausdehnung und Kontraktion korrigieren.



**MECHANICAL - MAINTENANCE MÉCANIQUE**  
Inductor L90  
Powerduction 160LG



**SHIPYARD - CONSTRUCTION NAVALE**  
Inductor L20/B4  
Powerduction 220LG



**HEAVY METALWORK 20 MM STEEL** - CHAUDRONNERIE LOURDE 20 MM  
Inductor L20/B4  
Powerduction 220LG



**ENGINEERING STRUCTURE** - OUVRAGE D'ART  
Inductor L90  
Powerduction 220LG

# Tips for using inductors

CONSEILS UTILISATION INDUCTEURS - TIPPS ZUR VERWENDUNG VON INDUKTOREN  
- COSIGLI D'UTILIZZO INDUTTORI - CONSEJOS DE USO DE LOS INDUCTORES

## Heating material

CHAUFFE DES MATÉRIAUX - ERHITZEN VON MATERIALIEN  
- RISCALDAMENTO DEI MATERIALI - CALENTAMIENTO DE MATERIALES

|                       | Steel<br>Acier<br>Stahl<br>Acciaio<br>Acero | Iron<br>Fer<br>Eisen<br>Ferro<br>Hierro | Cast iron<br>Fonte<br>Gusseisen<br>Ghisa<br>Hierro fundido | Stainless steel<br>Inox<br>Edelstahl<br>Acciaio inoxidabile<br>Acero inoxidable | Copper<br>Cuivre<br>Kupfer<br>Rame<br>Cobre | Aluminium<br>Aluminium<br>Alluminio<br>Aluminio | Zinc<br>Zinc<br>Zink<br>Zinco<br>Zinc | Brass<br>Laiton<br>Messing<br>Ottone<br>Latón |
|-----------------------|---------------------------------------------|-----------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------|-------------------------------------------------|---------------------------------------|-----------------------------------------------|
| HANDUCTOR             | ++                                          |                                         |                                                            | +                                                                               |                                             |                                                 | -                                     |                                               |
| 10R / 18R             | ++                                          |                                         |                                                            | +                                                                               |                                             |                                                 | -                                     |                                               |
| 37L / 37L PRO         | ++                                          |                                         |                                                            | +                                                                               |                                             |                                                 | -                                     |                                               |
| 38LG / 39LG           | ++                                          |                                         |                                                            | +                                                                               |                                             |                                                 | -                                     |                                               |
| 49LG / 50LG           |                                             |                                         | ++                                                         |                                                                                 |                                             |                                                 | +                                     |                                               |
| 110LG Compact         |                                             |                                         |                                                            | +++                                                                             |                                             |                                                 | ++                                    | +++                                           |
| 110LG / 160LG / 220LG |                                             |                                         |                                                            | +++                                                                             |                                             |                                                 | ++                                    | +++                                           |
| Magnetic effect       | Yes                                         |                                         |                                                            | No                                                                              |                                             |                                                 |                                       |                                               |
| Repulsion effect      | No < 750 °C                                 |                                         |                                                            |                                                                                 | Yes                                         |                                                 |                                       |                                               |

# Ring inductor positioning

POSITIONNEMENT DES INDUCTEURS À BOUCLES - RING-INDUKTOREN POSITION  
- POSIZIONAMENTO DEGLI INDUTTORI AD ANELLO - POSICIONAMIENTO DE LOS INDUCTORES DE BUCLE

✓

**EN** - A gap must be left between the ring and the workpiece to limit the risk of the protective cover overheating, and the workpiece getting stuck in the ring as it expands.

**FR** - Il faut laisser un espace entre la boucle et la pièce pour limiter le risque d'échauffement de la protection ou du blocage de la pièce dans la boucle par la dilatation.

**DE** - Zwischen dem Ring und dem Werkstück muss ein Abstand gelassen werden, um das Risiko einer Überhitzung der Schutzhülle und eines Festklemmens des Werkstücks im Ring bei dessen Ausdehnung zu begrenzen.

**IT** - È necessario lasciare uno spazio tra l'anello e il pezzo per limitare il rischio di surriscaldamento della protezione o di blocco del pezzo nell'anello a causa della dilatazione.

**ES** - Debe dejarse un espacio entre la bucle y la pieza para limitar el riesgo de sobrecalentamiento de la protección o de bloqueo de la pieza en la bucle debido a la dilatación.

✗

**EN** - If the diameter is too small, heating will be less effective. The unit will not be able to deliver its maximum power to the workpiece.

**FR** - Si le diamètre de l'inducteur est trop grand par rapport à la pièce, la chauffe sera moins efficace. Le poste n'arrivera pas à transmettre la puissance maximale dans la pièce.

**DE** - Wenn der Durchmesser zu klein ist, wird die Erwärmung weniger effektiv sein. Das Gerät kann seine maximale Leistung nicht auf das Werkstück übertragen.

**IT** - Se il diametro dell'induttore è troppo grande rispetto al pezzo, il riscaldamento sarà meno efficace. L'apparecchio non riuscirà a trasmettere la massima potenza al pezzo.

**ES** - Si el diámetro del inductor es demasiado grande en relación con la pieza, el calentamiento será menos eficaz. El equipo no logrará transmitir la potencia máxima a la pieza.

✗

**EN** - If the workpiece is not positioned centrally in the ring, it will not be heated evenly. The side of the workpiece closest to the inductor will be heated more.

**FR** - Si la pièce n'est pas centrée dans la boucle, la chauffe ne sera pas uniforme. Le côté de la pièce le plus proche de l'inducteur chauffera plus rapidement que la partie éloignée.

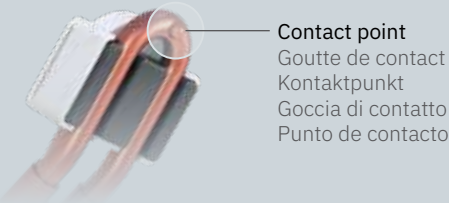
**DE** - Wenn das Werkstück nicht zentriert im Ring positioniert ist, wird es nicht gleichmäßig erwärmt. Die dem Induktor am nächsten gelegene Seite des Werkstücks wird stärker erwärmt.

**IT** - Se il pezzo non è centrato nel circuito, il riscaldamento non sarà uniforme. Il lato del pezzo più vicino all'induttore si riscalderà più rapidamente rispetto alla parte più lontana.

**ES** - Si la pieza no está centrada dentro de la bucle, el calentamiento no será uniforme. El lado de la pieza más cercano al inductor se calentará más rápidamente que la parte más alejada.

## Ferrite inductor positioning

POSITIONNEMENT DES INDUCTEURS À FERRITES / FERRITDROSSELN POSITION  
POSIZIONAMENTO DEGLI INDUTTORI A FERRITI / POSICIONAMIENTO DE INDUCTORES CON FERRITAS



✓

⚠

## Powering your machine using a generator

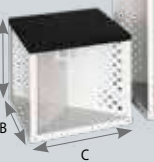
FONCTIONNEMENT SUR GROUPE ÉLECTROGÈNE - STROMVERSORGUNG DER MASCHINE ÜBER EINEN GENERATOR  
- FUNZIONAMENTO SU GRUPPO ELETTOGENO - FUNCIONAMIENTO CON GRUPO ELECTRÓGENO

| FONCTIONNEMENT SUR GROUPE ÉLECTROGÈNE - STROMVERSORGUNG DER MASCHINE ÜBER EINEN GENERATOR<br>- FUNZIONAMENTO SU GRUPPO ELETTROGENO - FUNCIONAMIENTO CON GRUPO ELECTRÓGENO |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |       |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------|--|
|                                                                                        |  |  |  |  |  |  |  |       |  |
| POWERDUCTION                                                                                                                                                              | HANDUCTOR                                                                           | 10R                                                                                 | 18R                                                                                 | 37L / 38LG / 38L / 39LG                                                             | 49LG / 50LG                                                                          | COMPACT / 110LG                                                                       | 160LG                                                                                 | 220LG |  |
| <br>Protégé & compatible<br>générateur<br>de puissance (+/-15 %)                       | 1.5 kW                                                                              | 1.5 kW                                                                              | 2 kW                                                                                | 4 kW                                                                                | 6 kW                                                                                 | 15 kW                                                                                 | 22 kW                                                                                 | 22 kW |  |

## MARKETING

Display stand  
- Podium de présentation  
- Podest

**PODIUM 1**  
A : 45 cm  
B : 50 cm  
C : 50 cm  
063204



**PODIUM 2**  
A : 80 cm  
B : 50 cm  
C : 50 cm  
063211



Retail display space with 2 shelves  
- Linéaire de vente avec 2 étagères  
- Lochwandregal mit 2 Böden  
060784



Banner  
- Oriflamme  
3 x 0,50 m  
098015



Barnum 3 x 3 m  
098022



Open barnum  
2 x 2 m  
098039





INVEST IN THE FUTURE

# INDUCTION HEATING

2026 B

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## GYS Italia

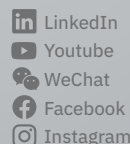
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