



INVEST IN THE FUTURE

INDUCTION HEATING



RELEASING - SHRINK-FITTING - STRIPPING - STRAIGHTENING
DENT REMOVAL - BENDING - BRAZING

A solid
manufacturing
group

900 people

C1+
Credit Rating
Banque de France

€ 140 000 000

55 000 m²
2 factories



FRENCH MANUFACTURER
SINCE 1964

A family
company



Nicolas & Bruno
Bouygues



Global coverage
125 countries

4 catalogues
3 500+ references



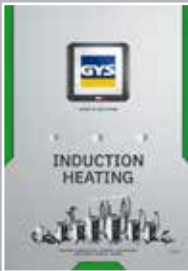
MMA/SAW
TIG/GTAW
MIG-MAG/GMAW-FCAW
Plasma cutting
Induction heating
Stud welding
Spot welding
Accessories
Protection
Consumables



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
Shrink-fitting
Stripping
Straightening
dent removal
Bending
Brazing



GYS FRANCE - HEADQUARTERS
Laval



**GYS LOGISTIC
CENTER**
Laval



GYS GERMANY
Aachen



GYS U.K.
Rugby



GYS CHINA
Shanghai



GYS ITALIA
Venezia



GYS IBERICA
Madrid

Table of contents

HEAT WITHOUT FLAME	5
POWERDUCTION RANGE	6 > 17
INDUCTORS	18 > 21

SELECTION GUIDE	24
USE CASES	25 > 29
TIPS	30 > 31



Heat without flame



Flame



Benefits of induction



Dangerous - Danger
Using a naked flame | using 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 members of staff
Danger pour les membres du personnel



Easy - Accessible
No training required
Aucune formation n'est requise



Expensive - Onéreux
On cylinder rental and gas
Increases insurance premiums
Location de bouteilles et gaz Augmentation des primes d'assurance



Reduce costs - Coûts réduits
Up to 92% cheaper to run than Oxy-Acetylene and can SAVE on insurance premiums
Jusqu'à 92 % moins cher que l'oxyacétylène et permet d'économiser sur les primes d'assurance.



★★★★★

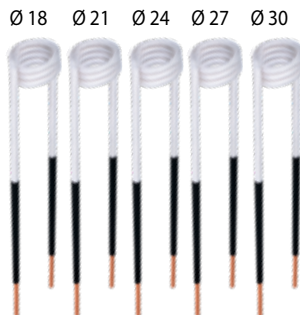
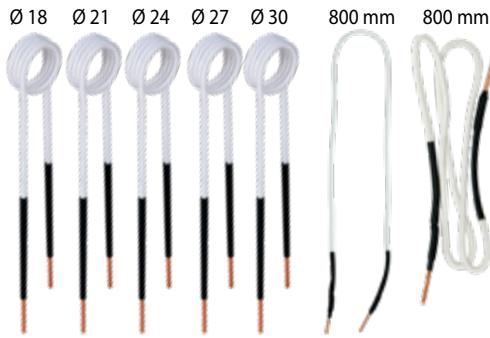
THEY TRUST US

ILS NOUS FONT
CONFIANCE
SIE VERTRAUEN UNS





POWERDUCTION
1.2 kW



1 200 W

POWERDUCTION 10R (5 inductors)

AIR	230V • 1 ~
062504	
UK: 068643	
FR: 080966	

POWERDUCTION 10R PRO (12 inductors)

AIR	230V • 1 ~
080195	
UK: 080300	

MADE IN FRANCE	230V, 1~ 50/60 Hz	+	+	Freq. kHz	Liquid Cooling	Cable L (m)		Heating			L × W × H cm / kg	L × W × H cm / kg	Protected & compatible power generator (+/-15%)	1.5 kW
		A	W			Inductor								
POWERDUCTION 10R / 10R PRO		10 mini	1200	45+80	—	2	1.5	M10 → 1 s	2 mm → 5 s	Ø8 → 10 s	062504 - 21 x 10 x 15 / 3.3	062504 - 41.5 x 17 x 36.5 / 5.5		
											080195 - 21 x 17 x 14.5 / 3.3	080195 - 46 x 20.5 x 38 / 5.4		



Flexible 800 mm		POWERDUCTION 10R PRO		POWERDUCTION 10R	
		080195		062504	
054813			✓		✓
Straight 800 mm					
054868			✓		✓
Coiled wire side					
Ø 18 mm / Ø ≤ M8 054806			✓		✓
Ø 24 mm / Ø ≤ M12 054790			✓		✓
Ø 30 mm / Ø ≤ M16 055469			✓		✓
Ø 21 mm / Ø ≤ M10 079953			✓		—
Ø 27 mm / Ø ≤ M14 079960			✓		—
Coiled wire front					
Ø 18 mm / Ø ≤ M8 079977			✓		—
Ø 21 mm / Ø ≤ M10 079984			✓		—
Ø 24 mm / Ø ≤ M12 079991			✓		—
Ø 27 mm / Ø ≤ M14 080003			✓		—
Ø 30 mm / Ø ≤ M16 080010			✓		—

COMPLETE PACKS
NEW

Pack Mobility	089006
Powerduction 10R 062504	Power Pack 14.22 085206

Pack basic repair	089013	
Powerduction 10R 062504	Decal - Décollage - Entkleben 066601	Loosening - Dégrillage - Lockerung 079472

Pack total repair	089020	
Powerduction 10R PRO 080195	Decal - Décollage - Entkleben 066601	Loosening - Dégrillage - Lockerung 079472



INDUCTION HEATING

INDUCTION AUTO 2.4/5.2 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** 230 V • 1 ~

GYSDUCTION AUTO 120V

PFC **FV** **AIR** 120 V • 1 ~



COMING SOON

2 in 1

50LG

+

AUTO

included
Glass - Décapage - Entfernen
053373

included
Decal - Décollage -
Entkleben
053359

6 m

included

For use < 3600W

3 m



READY TO USE
Liquid included

OPTIONS

Spiral inductor
- Inducteur spirale
- Spiralinduktor

2.5 m 1.2 kW

5
inductors
054783

800 mm
054813

800 mm
054868

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



3 m

5 200 W

COMBIDUCTION AUTO 50LG

PFC 230 V • 1 ~



065901

COMBIDUCTION AUTO 50LG 208-240V

PFC 208-240 V • 1 ~



084872

ACCESSORIES

Freezer spray
- Spray refroidisseur
-50 °C
400 ml
(x 12)
048898



Adhesive for logo
(x10)
051492



for



Protection (x5)
+ Colle - Glue
053854

for



Protection (x1)
+ Colle - Glue
059108

for



Protection (x10)
+ Colle - Glue
053847



EN-60 335/1



MADE IN FRANCE



A

W

kHz

PFC

Tank capacity

Liquid included

Cable L (m)

Inductor

Heating

LxWxH cm / kg

LxWxH cm / kg

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

GYSDUCTION AUTO

GYSDUCTION AUTO 120V

COMBIDUCTION AUTO 50LG

COMBIDUCTION AUTO 50LG 208-240 V

230V, 1~, 50/60 Hz

120-240V, 1~, 50/60 Hz

230V, 1~, 50/60 Hz

208-240V, 1~, 50/60 Hz

16 mini

20 mini

25 mini

25 mini

2400

2400

5200

5200

35+100

35+100

20+80

20+80

—

—

7l

7l

—

—

5l

5l

2

2

6

6

2.5

2.5

3

3

M10 → 1 s

M10 → 1 s

M14 → 1 s

M14 → 1 s

2 mm → 5 s

2 mm → 5 s

2 mm → 3 s
4 mm → 5 s

2 mm → 3 s
4 mm → 5 s

Ø8 → 10 s

Ø8 → 10 s

Ø10 → 10 s

Ø10 → 10 s

37 x 21 x 37 / 7.5

37 x 21 x 37 / 7.5

46 x 43 x 75 / 60

46 x 43 x 75 / 60

52 x 30 x 37 / 12.9

52 x 30 x 37 / 12.9

79 x 58 x 60 / 72

79 x 58 x 60 / 74

3 kW

3 kW

6 kW

6 kW



POWERDUCTION
3.7 kW

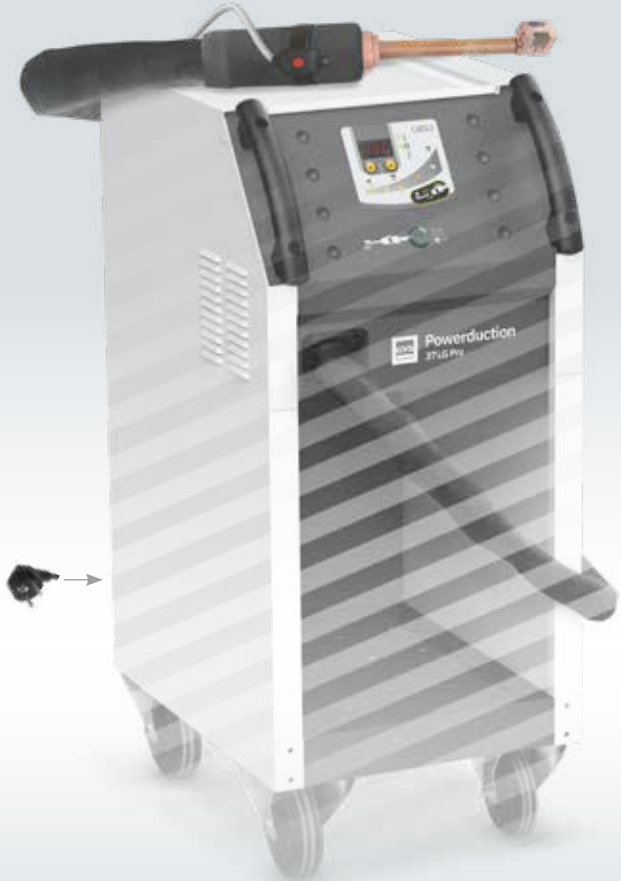


Pack
37 LG

MRA 1 089037	✓	✓	✓	✓	✓	—	—
MRA 2 089044	✓	✓	✓	✓	✓	✓	✓



COMING
SOON



READY TO USE
Liquid included

NEW
10/2025



INDUCTOR PROGRAM
37/38LG

Small inductors

S90 058927	S70 061569	S180 059269	
S20/B1 (20°) 064874	S180/B1 064881	S180/B3W 067899	S180/B6 087002
Ø 20	S20/D20 078796	S90/D20 078871	S180/D20 069985
Ø 25	S20/D25 078802	S90/D25 078888	S180/D25 069992
Ø 30	S20/D30 078819	S90/D30 078895	S180/D30 070592
Ø 35	S20/D35 078826	S90/D35 078901	S180/D35 070608
Protection kit for loop inductors - Kit de protection pour inducteurs boucle 077386			

Difficult access adapters

	90°-S 082663	✓ S180/B1 ✓ S180/B3W ✓ S180/B6
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3 700 W

POWERDUCTION 37LG

230V • 1 ~



S90 058927
056992
UK: 072510
EU: 080959



S180/B3W 067899
083387
UK: 083394

POWERDUCTION 37LG 208-240V

208-240V • 1 ~

COMING
SOON



S90 058927
084865

POWERDUCTION 37LG PRO

230V • 1 ~



S90 058927
088917

POWERDUCTION 38LG

230V • 1 ~



S90 058927
088474

MADE IN FRANCE		TAM		Freq.	Liquid Cooling		Cable L (m)		Heating			L×W×H cm / kg	L×W×H cm / kg	
		A	W		Tank capacity	Liquid included	Inductor							
POWERDUCTION 37LG	230V, 1~ 50/60 Hz 208-240 V, 1~, 50/60 Hz	16 mini 20 mini	3 700	15÷30	1.5 l	—	2	2	M10 → 1 s	2 mm → 5 s	Ø10 → 15 s	56×26×29 / 13	60×34×33 / 14.5	4 kW
POWERDUCTION 37LG PRO	230V, 1~, 50/60 Hz	16 mini	3 700	15÷30	1.5 l	—	—	—	M10 → 1 s	2 mm → 5 s	Ø10 → 15 s	ND	ND	4 kW
POWERDUCTION 38LG	230V, 1~, 50/60 Hz	16 mini	3 700	15÷30	7 l	5 l	—	—	M10 → 1 s	2 mm → 5 s	Ø10 → 15 s	46×36×70 / ND	81×38×59 / ND	4 kW

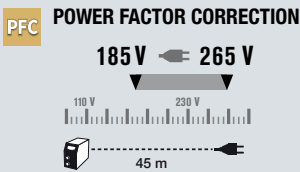
ACCESSORIES			
Ferrites - Ferrites - Ferritaufsatz			
B1 053823	B3 067875	B1 056909	B3 072527
B1 (x5) 079380		B1 (x5) 079397	

Sticker removal - Patin sticker - Stickerschutz		NEW	
B1 - PAD 088283		S70/S90/S180 - PAD 088290	

Cooling liquid - Liquide de refroidissement	
2 L	082212
5 L	062511



POWERDUCTION
3.7 kW



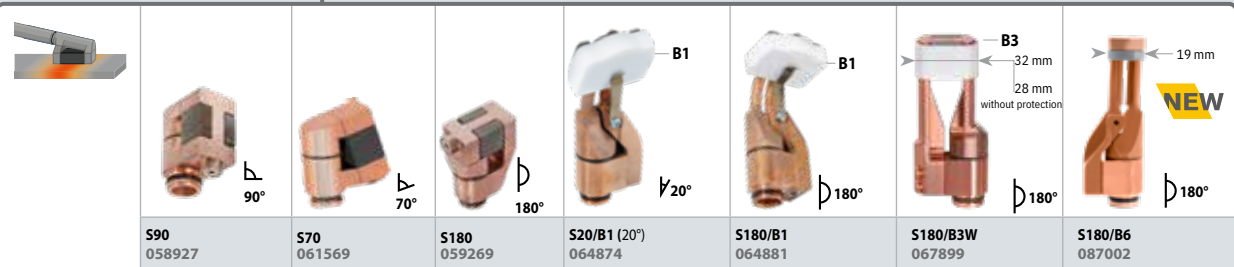
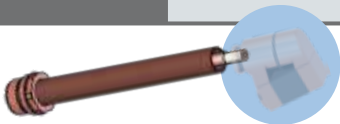
INDUCTOR PROGRAM 39LG

Complete inductors



Small inductors

ADAPTER 28S
M28 Ø16
064485



Ø 20	S20/D20 078796	S90/D20 078871	S180/D20 069985
Ø 25	S20/D25 078802	S90/D25 078888	S180/D25 069992
Ø 30	S20/D30 078819	S90/D30 078895	S180/D30 070592
Ø 35	S20/D35 078826	S90/D35 078901	S180/D35 070608
Ø 40	S20/D40 078833	S90/D40 078918	S180/D40 070615
Ø 45	S20/D45 078840	S90/D45 078925	S180/D45 070622
Ø 50	S20/D50 078857	S90/D50 078932	S180/D50 070639
Ø 55	S20/D55 078864	S90/D55 078949	S180/D55 070646

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



ACCESSORIES

Ferrites - Ferrites - Ferritaufsatz



Sticker removal - Patin sticker - Stickerschutz



Boxes - Boîtes

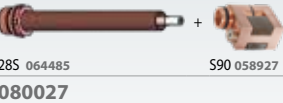
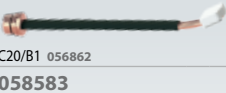


Cooling liquid
- Liquide de
refroidissement



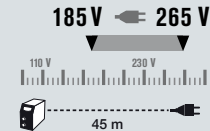
POWERDUCTION 39LG

PFC 230V • 1 ~



3 700 W

				Freq.	INTEGRATED TECHNOLOGY		Liquid Cooling		Cable L (m)		Heating						
		A	W		P400	PFC	Tank capacity	Liquid included	Inductor				L × W × H cm / kg	L × W × H cm / kg			
POWERDUCTION 39LG (C20/B1) / (S90)	230V, 1~ 50/60 Hz	16 mini	3 700	20×60	■	■	■ 7 l	5 l	6	3	M12 → 1 s	2 mm → 5 s	Ø10 → 15 s	46 × 36 × 70 / 46.5	81 × 38 × 59 / 52.5	4 kW	



READY TO USE
Liquid included



Youtube

POWERDUCTION 5.2 kW



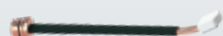
NEW
10/2025

5 200 W

POWERDUCTION 49LG



230 V • 1 ~

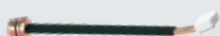


C20/B1 056862
088498

POWERDUCTION 50LG



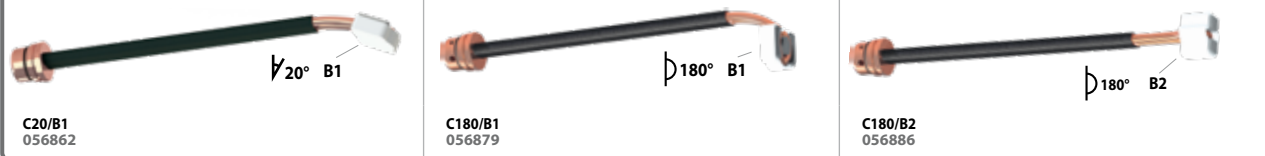
230 V • 1 ~



C20/B1 056862
055599

INDUCTOR PROGRAM 49/50LG

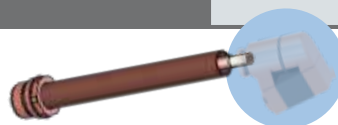
Complete inductors



Small inductors

ADAPTER 28S

M28 Ø16
064485



Large inductors

ADAPTER 28L

M28 Ø22
064492



S90 058927	S70 061569	S180 059269	
S20/B1 (20°) 064874	S180/B1 064881	S180/B3W 067899	S180/B6 087002
Ø 20	S20/D20 078796	S90/D20 078871	S180/D20 069985
Ø 25	S20/D25 078802	S90/D25 078888	S180/D25 069992
Ø 30	S20/D30 078819	S90/D30 078895	S180/D30 070592
Ø 35	S20/D35 078826	S90/D35 078901	S180/D35 070608
Ø 40	S20/D40 078833	S90/D40 078918	S180/D40 070615
Ø 45	S20/D45 078840	S90/D45 078925	S180/D45 070622
Ø 50	S20/D50 078857	S90/D50 078932	S180/D50 070639
Ø 55	S20/D55 078864	S90/D55 078949	S180/D55 070646

	Pre-heating - Préchauffe			
Ø 60	✓	L20/D60 078956	L90/D60 079106	L180/D60 069923
Ø 70	✓	L20/D70 078963	L90/D70 079113	L180/D70 069930
Ø 80	✓	L20/D80 078970	L90/D80 079120	L180/D80 069121
Ø 90	✓	L20/D90 078987	L90/D90 079137	L180/D90 069947
Ø 100	✓	L20/D100 078994	L90/D100 079144	L180/D100 069954
Ø 110	✓	L20/D110 079007	L90/D110 079151	L180/D110 069961
Ø 120	✓	L20/D120 079014	L90/D120 079168	L180/D120 069978
Ø 130	✓	L20/D130 079021	L90/D130 079175	Production on request
Ø 140	✓	L20/D140 079038	L90/D140 079182	
Ø 150	✓	L20/D150 079045	L90/D150 079199	
Ø 160	✓	L20/D160 079052	L90/D160 079205	
Ø 170	✓	L20/D170 079069	L90/D170 079212	
Ø 180	✓	L20/D180 079076	L90/D180 079229	
Ø 190	✓	L20/D190 079083	L90/D190 079236	
Ø 200	✓	L20/D200 079090	L90/D200 079243	

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



 MADE IN FRANCE				Freq.	INTEGRATED TECHNOLOGY		 Liquid Cooling		Cable L (m)		 Heating					 	Protected & compatible power generator (+/-15%)
		A	W	kHz	P400	PFC	Tank capacity	Liquid included	 Inductor				L×W×H cm / kg	L×W×H cm / kg			
POWERDUCTION 49LG	230V, 1~50/60 Hz	16 mini	5 200	20 ÷60	■	■	■ 7 l	5 l	2	3	M14 → 1 s	2 mm 4 mm → 3 s → 5 s	Ø10 → 10 s	46×36×70 / 46.5	81×38×59 / 52.5	6 kW	
POWERDUCTION 50LG	230V, 1~50/60 Hz	25 mini	5 200	20 ÷60	■	■	■ 7 l	5 l	8	3	M14 → 1 s	2 mm 4 mm → 3 s → 5 s	Ø10 → 10 s	46×43×75 / 58	80×60×60 / 71	6 kW	

ACCESSORIES

Ferrites - Ferrites - Ferritaufsatz



Sticker removal - Patin sticker - Stickerschutz



Boxes - Boîtes



Cooling liquid - Liquide de refroidissement





INDUCTION HEATING

POWERDUCTION
11/16/22 kW



READY TO USE
Liquid included

OPTIONS 110LG compact



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



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

NEW
07/2025

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

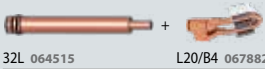
for inductor L90



11 000 W

POWERDUCTION 110LG COMPACT

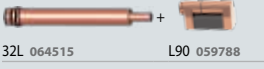
400V • 3~



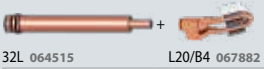
087637

POWERDUCTION 110LG

400V • 3~



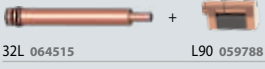
058590



083400

POWERDUCTION 110LG 208-240 V

208-240V • 3~

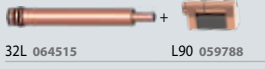


065246

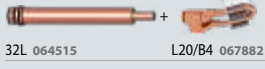
16 000 W

POWERDUCTION 160LG

400V • 3~



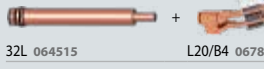
057814



083417

POWERDUCTION 160LG 208-240 V

208-240V • 3~

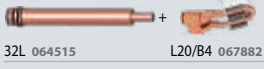


065253

22 000 W

POWERDUCTION 220LG (6m)

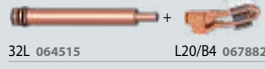
400V • 3~



066861

POWERDUCTION 220LG (10m)

400V • 3~



074576

MADE IN FRANCE				Freq.	Liquid Cooling		Cable L (m)		Heating							ACCESSORIES			
		A	W	kHz	Tank capacity	Liquid included		Inductor											
POWERDUCTION 110LG COMPACT	400 V, 3~, 50/60 Hz	16 mini	11 000	20+60	■ 1,5 l	1 l	5	4	M18 → 1 s	2 s	4 s	—	Ø10 → 7 s	63 x 33 x 54 / 50	81 x 38 x 59 / 56	15 kW			
POWERDUCTION 110LG	400 V, 3~, 50/60 Hz 208-240 V, 3~, 50/60 Hz	16 mini 35 mini	11 000	20+60	■ 7 l	5 l	5	4	M18 → 1 s	2 s	4 s	—	Ø10 → 7 s	42 x 42 x 76 / 66.5 42 x 42 x 76 / 78	59 x 80 x 60 / 86 59 x 80 x 60 / 90	15 kW			
POWERDUCTION 160LG	400 V, 3~, 50/60 Hz 208-240 V, 3~, 50/60 Hz	32 mini 45 mini	16 000	20+60	■ 30 l	18 l	4	6	M20 → 1 s	2 s	4 s	—	Ø10 → 5 s	78 x 58 x 118 / 128 78 x 58 x 118 / 113.5	80 x 61 x 120 / 140 80 x 60 x 120 / 126	22 kW			
POWERDUCTION 220LG	400V, 3~, 50/60 Hz	32 mini	22 000	20+60	■ 30 l	18 l	4	6	M30 → 3 s	—	3 s	9 s	Ø10 → 4 s	70 x 60 x 120 / 98	80 x 60 x 132 / 139	22 kW			
POWERDUCTION 220LG 10M	400V, 3~, 50/60 Hz	32 mini	22 000	20+60	■ 30 l	18 l	4	10	M30 → 3 s	—	3 s	9 s	Ø10 → 4 s	70 x 60 x 120 / 132.5	80 x 60 x 120 / 144.5	22 kW			

Over hanging arm-pulley - Équibreur
for POWERDUCTION 160 - 220 LG
079441

Protection cover - Housse de
protection - Schutzhaube
for POWERDUCTION 110LG
062733

Cooling liquid - Liquide
de refroidissement
2 L 082212
5 L 062511
10 L 052246

2.5 m
055490

for POWERDUCTION 160 - 220 LG
050853

ACCESSORIES



Over hanging arm-pulley - Équilibreur
for 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



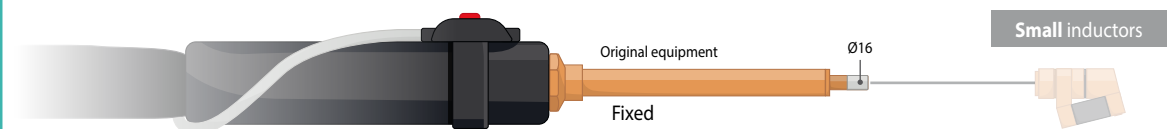
2.5m

055490

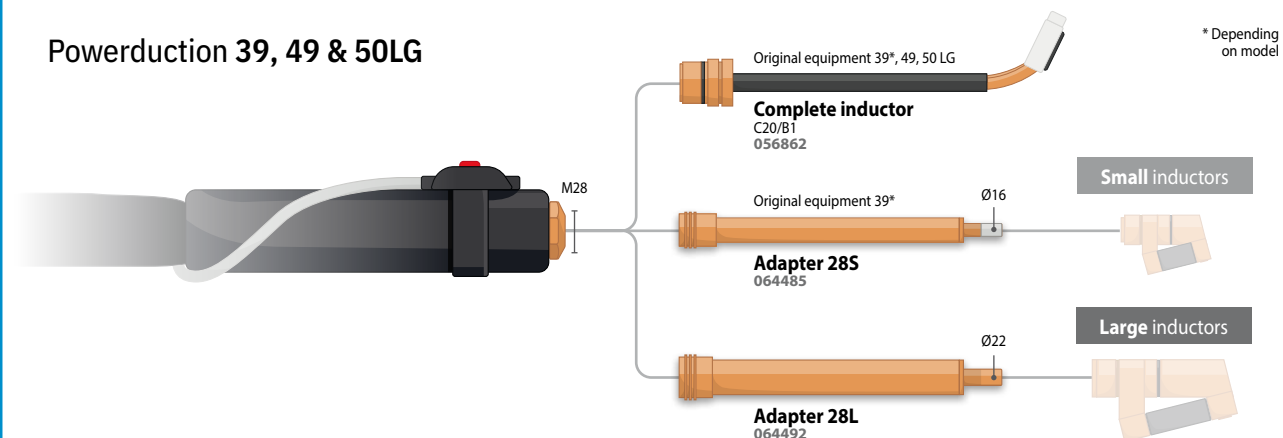


ADAPTERS / ADAPTATEURS

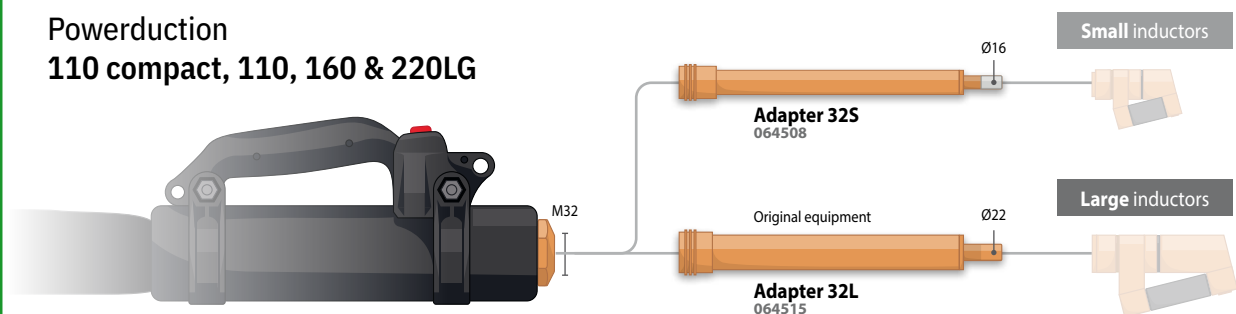
Powerduction 37, 37 PRO & 38LG



Powerduction 39, 49 & 50LG

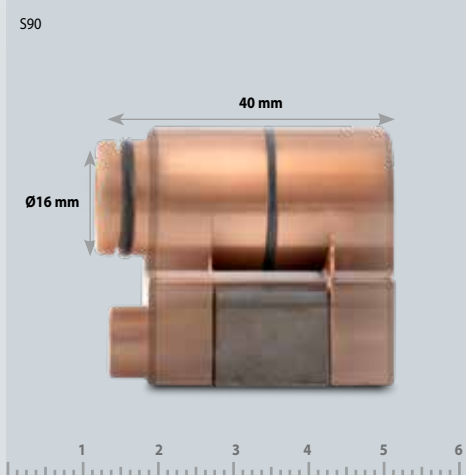


Powerduction 110 compact, 110, 160 & 220LG

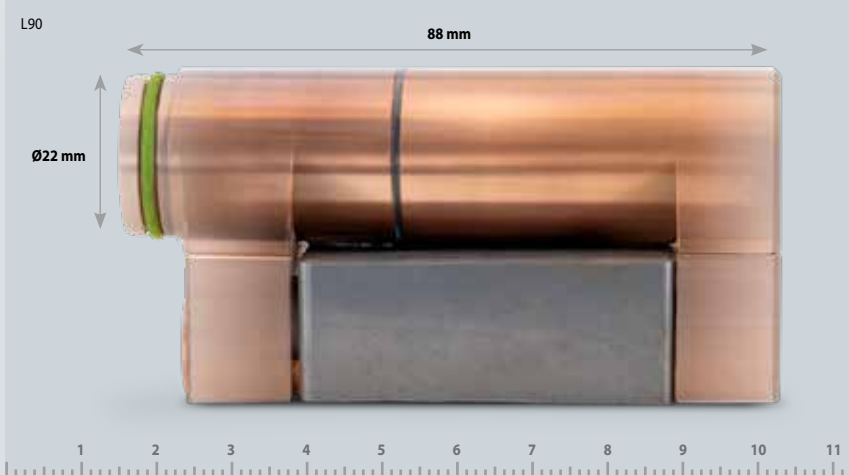


INDUCTOR SIZE / TAILLE DES INDUCTEURS / ANSCHLÜSSE GRÖSSE

Small inductors

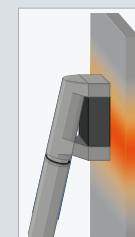


Large inductors



STANDARD

Small inductors

Compatibility: ☒ 37, 37pro & 38LG ☒ 39, 49 & 50LG ☒ 110 compact, 110, 160 & 220LG

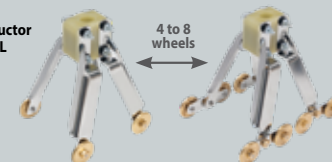
Large inductors

Compatibility: ☒ 37, 37pro & 38LG ☒ 39, 49 & 50LG ☒ 110 compact, 110, 160 & 220LG

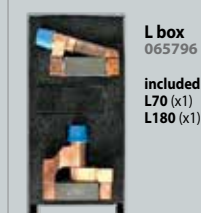
ACCESSORIES



Trolley for inductor
for adapter 32L
Chariot pour
inducteur pour
adaptateur 32L
075955



Boxes - Boîtes



Glue kit for
inductor
Kit de
colle pour
inducteur
075948



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





RINGS / BOUCLES / RINGINDUKTOREN

Powerduction compatibility

- 37, 37pro & 38LG
- 39, 49 & 50LG
- 110 compact, 110, 160 & 220LG

					
Ø Section	Ø Inductor	Ring 20°	Ring 90°	Ring 180°	Double ring 180°
Small inductors					
16 - 18	Ø 20	S20/D20 078796	S90/D20 078871	S180/D20 069985	
20 - 23	Ø 25	S20/D25 078802	S90/D25 078888	S180/D25 069992	
24 - 28	Ø 30	S20/D30 078819	S90/D30 078895	S180/D30 070592	
28 - 33	Ø 35	S20/D35 078826	S90/D35 078901	S180/D35 070608	
32 - 38	Ø 40	S20/D40 078833	S90/D40 078918	S180/D40 070615	
36 - 43	Ø 45	S20/D45 078840	S90/D45 078925	S180/D45 070622	
40 - 48	Ø 50	S20/D50 078857	S90/D50 078932	S180/D50 070639	
44 - 53	Ø 55	S20/D55 078864	S90/D55 078949	S180/D55 070646	
Large inductors					
48 - 55	Ø 60	L20/D60 078956	L90/D60 079106	L180/D60 069923	
56 - 65	Ø 70	L20/D70 078963	L90/D70 079113	L180/D70 069930	
64 - 75	Ø 80	L20/D80 078970	L90/D80 079120	L180/D80 069121	
72 - 85	Ø 90	L20/D90 078987	L90/D90 079137	L180/D90 069947	
80 - 95	Ø 100	L20/D100 078994	L90/D100 079144	L180/D100 069954	
88 - 105	Ø 110	L20/D110 079007	L90/D110 079151	L180/D110 069961	
96 - 115	Ø 120	L20/D120 079014	L90/D120 079168	L180/D120 069978	
104 - 125	Ø 130	L20/D130 079021	L90/D130 079175	Production on request	
112 - 135	Ø 140	L20/D140 079038	L90/D140 079182		
120 - 145	Ø 150	L20/D150 079045	L90/D150 079199		
128 - 155	Ø 160	L20/D160 079052	L90/D160 079205		
136 - 165	Ø 170	L20/D170 079069	L90/D170 079212	Production on request	
144 - 175	Ø 180	L20/D180 079076	L90/D180 079229		
152 - 185	Ø 190	L20/D190 079083	L90/D190 079236		
160 - 195	Ø 200	L20/D200 079090	L90/D200 079243		
		> Ø 200 & < Ø 300 - Production on request			

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



Half loops 180°

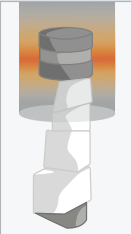
L180/D60H 088139
—
L180/D80H 088146
—
L180/D100H 088153
—
L180/D120H 088160
—
L180/D140H 088177
—
L180/D160H 088184
—
L180/D180H 088191
—
L180/D200H 088207



HEAT TUBE / CHAUFFE DE TUBE / INNEROHR-INDUKTOREN

Small inductors

Compatibility: ☒ 37, 37pro & 38LG ☒ 39, 49 & 50LG
☒ 110 compact, 110, 160 & 220LG



S180 Heat Tube

D24 / Ø24
086982

NEW

D30 / Ø30
086999

NEW

D37 / Ø37
078604

D40 / Ø40
078611

D50 / Ø50
078628

Difficult Access
Adapters 90°-S
082663



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

90°

PRE HEAT
PRÉ-CHAUFFAGE /
VORHEIZEN

Compatibility: ☒ 37, 37pro & 38LG
☒ 39, 49 & 50LG
☒ 110 compact, 110, 160 & 220LG



S20 Pre Heat

D24 / Ø24
086975

NEW

Large inductors

Compatibility: ☒ 37, 37pro & 38LG ☒ 39, 49 & 50LG ☒ 110 compact, 110, 160 & 220LG



Exchanger - Échangeur
L180R X
Production on request

BRAZING / BRASAGE / HARTLÖTEN

Large inductors

Compatibility: ☒ 37, 37pro & 38LG ☒ 39, 49 & 50LG ☒ 110 compact, 110, 160 & 220LG



180°
L90 BRAZ 16
Ø 1/2" / 16 mm
076907



180°
L90 BRAZ 28
Ø 1" / 28 mm
076921



180°
L180 BRAZ 16
Ø 1/2" / 16 mm
076914



180°
L180 BRAZ 28
Ø 1" / 28 mm
076938

Soldering flux for tin alloys
- Graisse décapante pour alliage étain
- Lötflott für Zinn-Legierungen



T° fusion 80 °C
100 g
047808

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





Selection guide

- GUIDE DE CHOIX - LEITFADEN ZUR AUSWAHL

	10R PRO	37LG 37LG PRO NEW	38LG NEW	39LG	49LG NEW	50LG	★ 110LG Compact NEW	★ 110LG	★★ 160LG	★★★ 220LG
Technical data - Données techniques - Technische Daten										
Power supply (50/60 Hz)	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	1,2 kW	3,7 kW			5,2 kW		11 kW		16 kW	22 kW
Power Factor Correction (PFC)	—	—		✓	✓		—		—	—
Coolant liquid (max capacity)	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 %	2 min	7 min	ND	15 min	ND	continu	continu		continu	continu
Nut Size	—	M10 → 1 s		M12 → 1 s	M14 → 1 s		M18 → 1 s		M20 → 1 s	M45 → 2 s
Sheet Thickness	—	2 mm → 5 s			2 mm → 3 s 4 mm → 5 s		2 mm → 2 s 4 mm → 4 s		2 mm → 2 s 4 mm → 4 s	2 mm → 1 s 4 mm → 3 s
Metal Rod Diameter	Ø 8 → 10 s	Ø 10 → 15 s			Ø 10 → 10 s		Ø 10 → 7 s		Ø 10 → 5 s	Ø 10 → 4 s
Timer mode	—	✓			✓		✓			
Recommended uses - Préconisations d'utilisations - Empfohlene Anwendungen										
	✓	✓			✓		✓	✓	✓	✓
	✓	✓			✓		✓			
				✓	✓		✓	✓	✓	✓
						✓	✓	✓	✓	✓
						✓	✓	✓	✓	✓
							✓	✓	✓	✓
							✓	✓	✓	✓
Heating material - Chauffe des matériaux - Heizmaterial										
Steel	++	++			++		+++	+++	+++	+++
Iron	++	++			++		+++	+++	+++	+++
Cast iron	+	+			++		+++	+++	+++	+++
Stainless steel	+	+			++		+++	+++	+++	+++
Cooper					+		+++	+++	+++	+++
Aluminium					+		+++	+++	+++	+++
Zinc					+		++	++	++	++
Brass					+		+++	+++	+++	+++

Releasing

- DÉGRIPPAGE - INDUKTIONSENTGRIPPUNG

SECTORS - SECTEURS D'ACTIVITÉ - TÄTIGKEITSBEREICHE



RELEASING BOLTS
- DÉGRIPPAGE DE BOULONS
Small C20/B1
Powerduction 50LG



SEIZED WHEEL NUTS REMOVAL
- DÉGRIPPAGE ÉCROUS DE ROUE
Small S180/B3W
Powerduction 37LG



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



RELEASING CONNECTING RODS
- DÉGRIPPAGE BIELLETTE DE DIRECTION
Small S90
Powerduction 37LG



DE-SEALING AN EXHAUST LINE ASSEMBLY
- DÉGRIPPAGE LIGNE D'ÉCHAPPEMENT
Small S90
Powerduction 37LG



RELEASING BRAKE CALIPER
- DÉGRIPPAGE ÉTRIER DE FREIN
Small C20/B1
Powerduction 39LG

Shrink-fitting - FRETAGE - EINSCHRUMPFEN

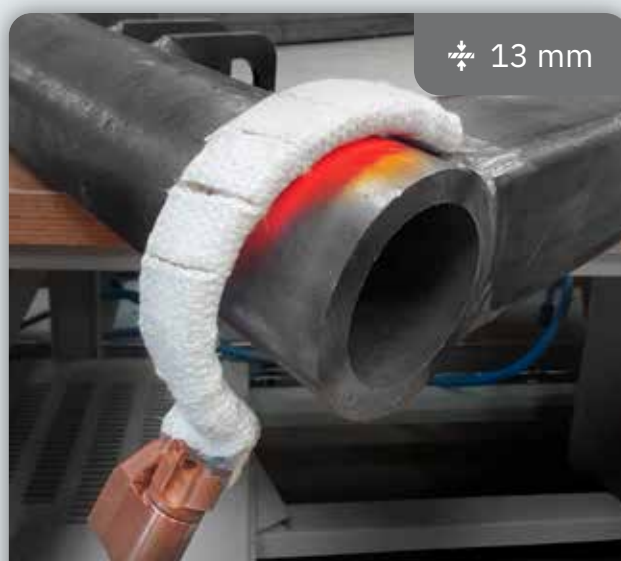
SECTORS - SECTEURS D'ACTIVITÉ - TÄTIGKEITSBEREICHE



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



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



BUCKET PIN EXTRACTION - EXTRACTION DES AXES DE
GODETS
Large L180/D120H
Powerduction 220LG



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

Straightening - REDRESSAGE - RICHTEN

SECTORS - SECTEURS D'ACTIVITÉ - TÄTIGKEITSBEREICHE



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



SHIPYARD - HEAT SHRINKING - CONSTRUCTION NAVALE -
CHAUDRE DE RETRAIT
Large L20/B4
Powerduction 220LG



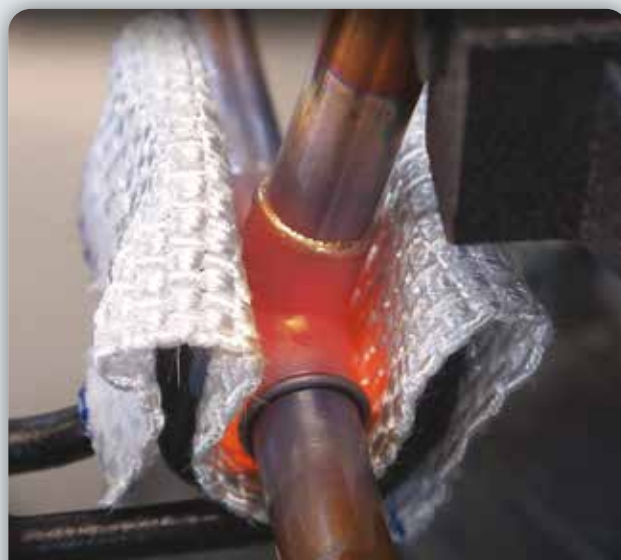
TRUCK CHASSIS STRAIGHTENING - REDRESSAGE
CHASSIS DE CAMION
Large L90
Powerduction 220LG



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

Brazing - BRASAGE - HARTLÖTEN

SECTORS - SECTEURS D'ACTIVITÉ - TÄTIGKEITSBEREICHE



BRAZING COPPER FITTING - BRASAGE RACCORD CUIVRE

Large L90 Braz 28
Powerduction 110 LG



BRAZING STEEL ELBOW - BRASAGE COUDE ACIER

Large L180/D120
Powerduction 160 LG



BRAZING BRASS PARTS - BRASAGE PIÈCE LAITON

Large L90 BRAZ 28
Powerduction 160 LG



BRAZING COPPER PIPE - BRASAGE TUYAU CUIVRE

Large L90 BRAZ 16
Powerduction 110 LG

Heating - CHAUFFE - WÄRMEN

SECTORS - SECTEURS D'ACTIVITÉ - TÄTIGKEITSBEREICHE



VALVE SEAT REMOVAL - EXTRACTION SIÈGES DE SOUPAPE

Heat Tube D37
Powerduction 220 LG



STEEL ANNEALING - DÉTREMPE ACIER

Small S180/D35
Powerduction 160 LG



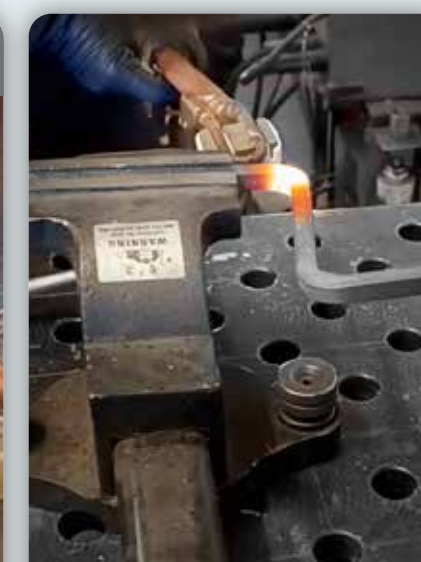
HEAT SHRINKING - CHAUDE DE RETRAIT

Large L90
Powerduction 160 LG



STEEL BAR FORGING - FORGEAGE BARRE ACIER

Large L180/D60
Powerduction 220 LG



STEEL BAR BENDING - CINTRAGE BARRE ACIER

Large L20/B4
Powerduction 110 LG



TRAILER MANUFACTURE - STEEL BENDING - FABRICATION DE REMORQUE - CINTRAGE ACIER

Large L70
Powerduction 220 LG

Tips for using inductors

CONSEILS UTILISATION INDUCTEURS - TIPPS ZUR VERWENDUNG VON INDUKTIVITÄTEN

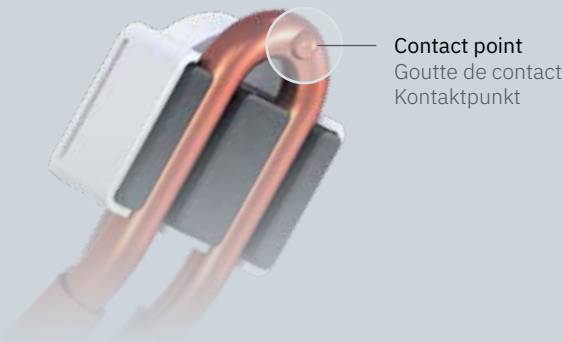
Heating material

CHAUFFE DES MATÉRIAUX - ERHITZEN VON MATERIALIEN

	Steel Acier Stahl	Iron Fer Eisen	Cast iron Fonte Gusseisen	Stainless steel Inox Edelstahl	Copper Cuivre Kupfer	Aluminium Aluminium Aluminium	Zinc Zinc Zink	Brass Laiton Messing
10R / 10R PRO	++			+			-	
37LG / 37LG PRO	++			+			-	
38 LG / 39LG	++			+			-	
49 LG / 50LG	++						+	
110LG Compact	+++						++	+++
110 / 160 / 220LG	+++						++	+++
Magnetic effect	Yes			No				
Repulsion effect	No < 750 °C				Yes			

Ferrite inductor positioning

POSITIONNEMENT DES INDUCTEURS À FERRITES
FERRITDROSSELN POSITION



✓

⚠



More details

Ring inductor positioning

POSITIONNEMENT DES INDUCTEURS À BOUCLES - RING-INDUKTOREN POSITION

✓

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.

✗

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.

✗

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.

Powering your machine using a generator

FONCTIONNEMENT SUR GROUPE ÉLECTROGÈNE - STROMVERSORGUNG DER MASCHINE ÜBER EINEN GENERATOR

	POWERDUCTION	10R / 10R PRO	37LG / 38LG / 39LG	49LG / 50LG	COMPACT / 110LG	160LG	220LG
	Protégé & compatible générateur de puissance (+/-15 %)	1.5 kW	4 kW	6 kW	15 kW	22 kW	22 kW



INVEST IN THE FUTURE

INDUCTION HEATING

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GYS Italia

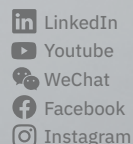
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