

PRODUCT CATALOGUE LASER



2022



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Would you like to know what DINSE passion looks like? There is, for example, our stockist who personally assembles each wear part for your order.

Or the production worker who manually bends your automatic torch to the desired angle. But also the colleague in the purchasing department who daily searches for the highest quality raw materials for our products and the constructing engineer who puts all his experience into developing new systems.

IN SHORT:
FOR YOUR PERFECT
WELDING RESULT
WE GIVE OUR BEST
EVERY DAY.

With locations throughout Germany and the world, we are one of the leading developers and manufacturers of systems for manual, robotic and automatic welding.



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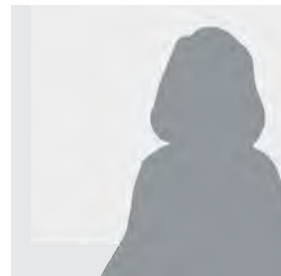
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Get a detailed view of the DINSE products in our „product experience world“ for manual and automated welding. Our team of instructors communicate theoretical basics to you in small groups at our training facilities.

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Catalogue DINSE Academy
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Industrial robots are available for any training focusing on automation. Of course, every seminar is accompanied by our experts. There is always the opportunity to ask questions, even outside the box.

ARE YOU INTERESTED?

You can find the entire training programme on the academy website at www.dinse.eu/akademie

Or simply send an email to akademie@dinse.eu to request your personal printed version.

Of course, we are also happy to answer any questions regarding our academy via telephone: +49-(0)40-658 75 – 224.



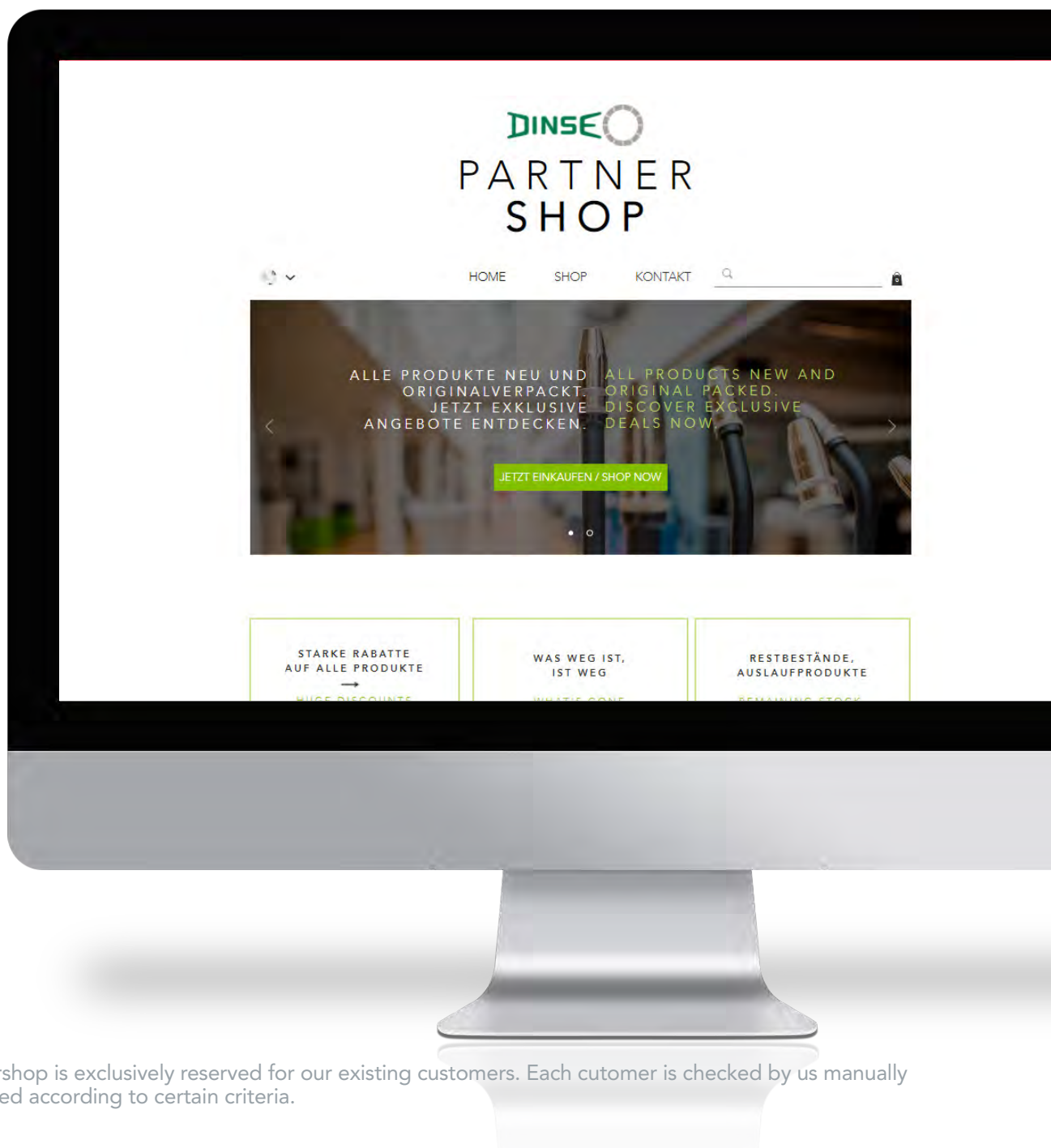
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FLYERS

IN OUR FLYERS YOU CAN FIND ALL DETAILS ABOUT A PRODUCT COMPACTLY SUMMARIZED:



Wire feeding systems for welding applications
Art.-Nr. WF1212



Hand-Out Laser highlights 2020 on request

WHAT THE HELL IS „SCHEIBEN SCHNELL“?

When developing our new control unit DIX FDE 150 (for more details see page 75) our main focus was to make the response times extremely short. That is one of the most important factors in any production that is working with laser equipment.

„Das Ding ist schießen schnell“ literally means: That thing is freakin' fast.

With that sentence we found an on-point description for the most important feature of our new control unit - that also everybody immediately understands.



For notes:

NEUES DRAHTFÖRDER SYSTEM NEW WIRE FEEDING SYSTEM

LASERSTEUERUNG CONTROL UNIT DIX FDE 150

- ▶ Extrem kurze Reaktionszeiten
Extreme short response times
- ▶ Hohe Reproduzierbarkeit der Signallaufzeiten
High reproducibility of signal propagation times
- ▶ Multi-Core-Prozessor
Multi-Core-Processor
- ▶ Interface für alle Feldbussysteme
(optional analoge Ansteuerung)
*Interfaces for all fieldbus systems
(optional analog control)*
- ▶ 2x LAN, 4x USB 2.0, 1x DVI-D, 1x RS232, 2x 24V DC
- ▶ hochauflösende DC-Motor Endstufen
High-resolution DC-motor amplifiers



ANTRIEBSEINHEIT DRIVE UNIT

DIX FD 100 LS(-WB) | DIX FD 101 LS(-WB)

- ▶ Antrieb, Sensor und Drahtbremse in einer robusten, kompakten Einheit
Front drive, wire feed sensor and wire brake in a robust, compact unit
- ▶ Kraftvolle und präzise Drahtförderung
Powerful and precise feeding
- ▶ Leistungsstarker 4-Rollenantrieb
High-performance 4-roll drive
- ▶ Geringes Gewicht *Low weight*
- ▶ Einfach zu integrieren *Easy to integrate*
- ▶ Schnelles Wechseln der Ersatz- und Verschleißteile
Quick change of spare and wear parts

HEIßDRAHTSTROMQUELLE MIT KÜHLMODUL HOT WIRE POWER SOURCE WITH COOLING UNIT

DIX HW 300 PULS | DIX CM 653 HW

- ▶ Vielzahl frei wählbarer Parameter
Numerous freely selectable parameters
- ▶ Pulsfrequenz, Pulsbreite und Pulshöhe getrennt voneinander einstellbar
Set pulse frequency, pulse width and pulse height separately
- ▶ Ausgangsstrom zwischen 5 und 300 A
Output current between 5 and 300 A
- ▶ Pulse im Frequenzbereich von 0,5 bis 2000 Hz
Pulses in the frequency range from 0.5 to 2000 Hz
- ▶ Balanceverschiebung zwischen 10% und 80%
Balance shift between 10% and 80%
- ▶ Ausgangsspannung limitierbar zwischen 14 bis 60 V
Output voltage limitable between 14 and 60 V



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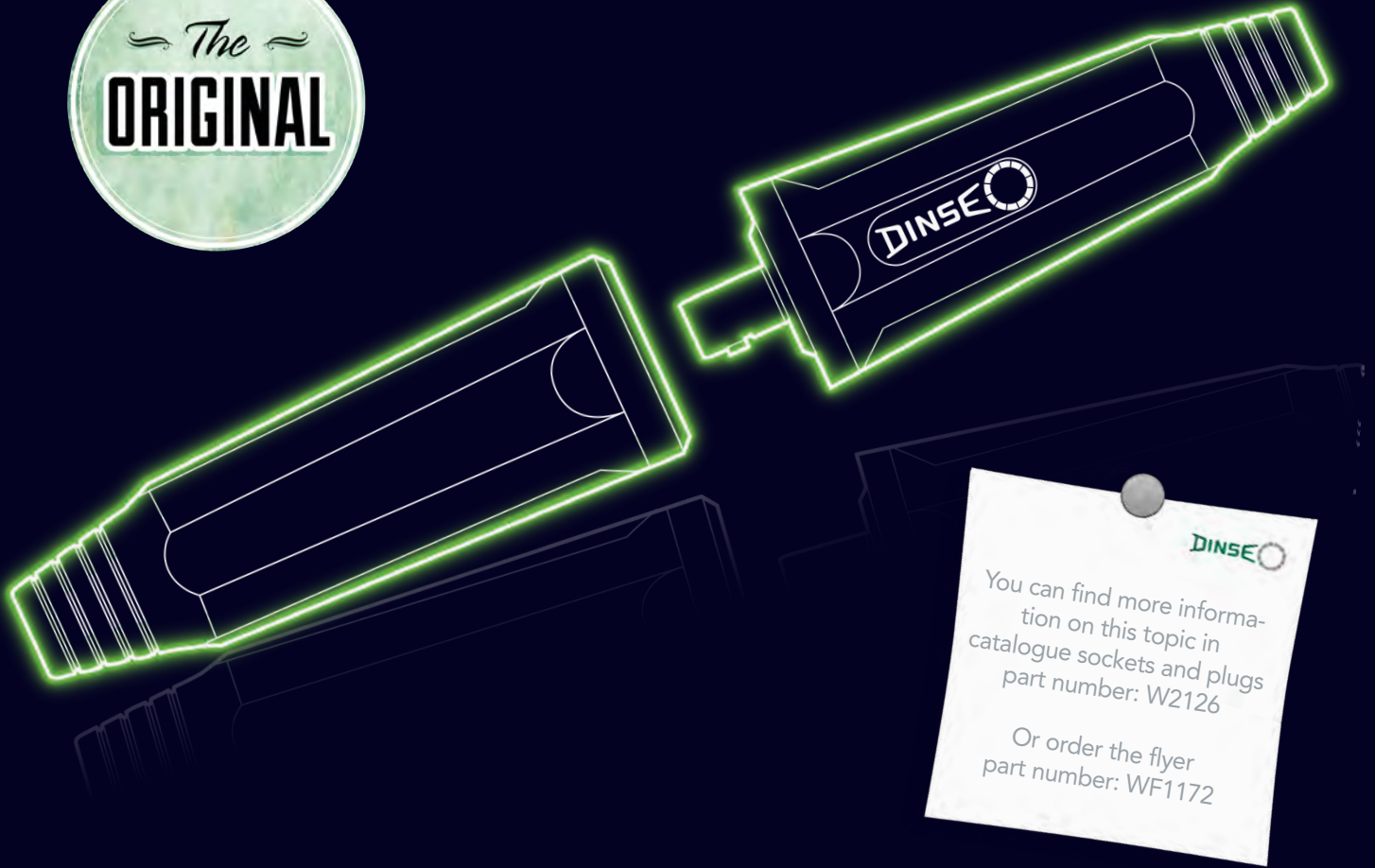


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SOCKETS AND PLUGS




The quick and secure connection:

- High current carrying capacity
- Precise conical fit
- Minimum wear
- Compatibility with earlier series



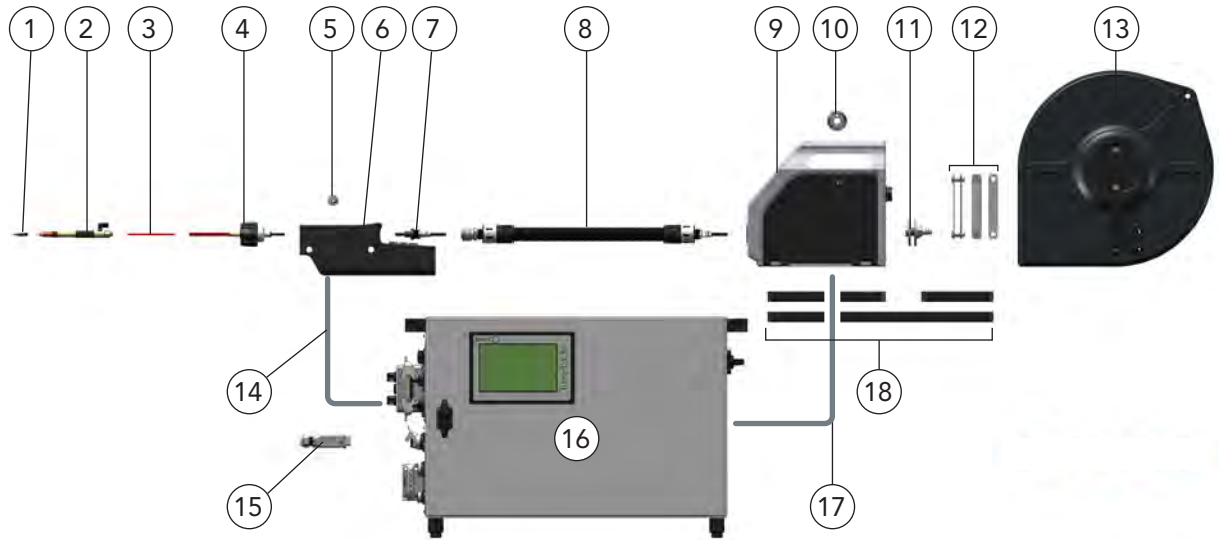
**ADAPTABLE TO ALL
CABLE DIAMETERS**



01
DINSE FOR
LASER-
APPLICATIONS

Examples of wire feeder systems

Wire feeder system with control for Profinet-Bus



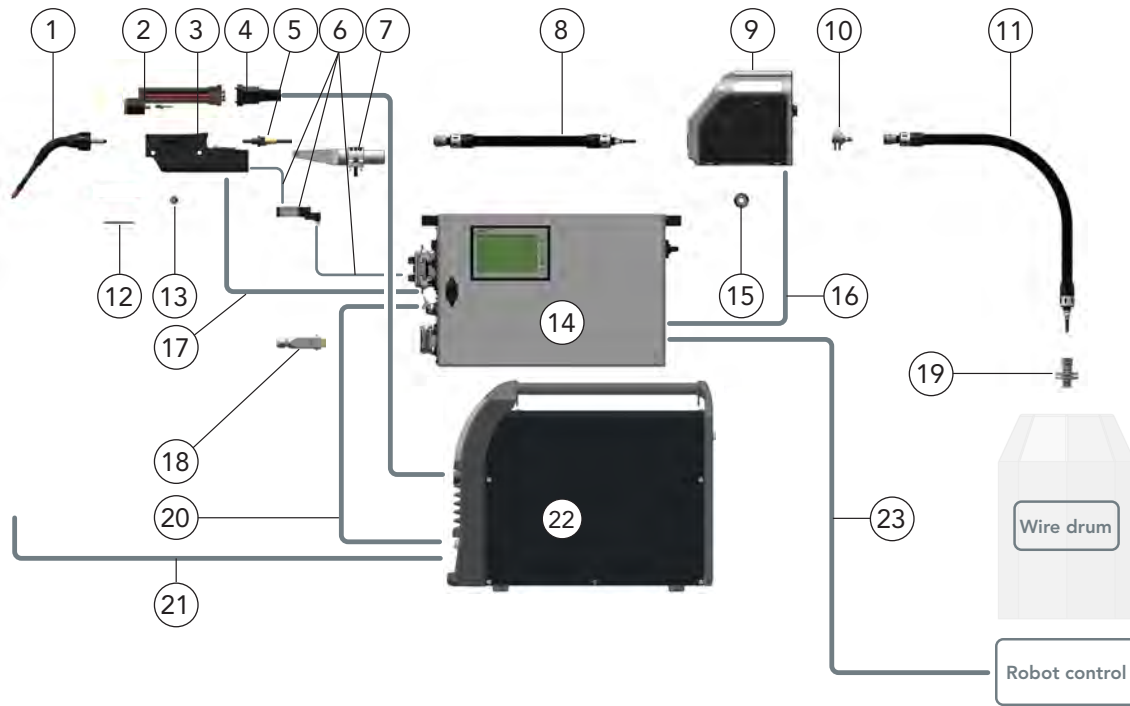
OPTION The example systems shown here and on the following pages are modular and can be individually adapted to your needs. Your DINSE expert will be happy to advise you.

Description	Part name	Part number
1 Contact tip, page 23	DIX 3-2-1.6 /KA	629030023
2 Torch head, page 22	DIX LH 100 SW	686111001
3 Capillary liner, red 2.5 m, page 98	DIX DSK 3- 2.5	623002525
4 Adapter set, page 52	DIX FD100 AS-CW	7430030050
5 Profile roll set, for FD 100 LS, Aluminium wire Ø 1.6 mm, page 51	DIX FD RSL-16A	7430030202
6 Drive unit, page 49	DIX FD100 LS	7430030003
7 Connection set, page 53	DIX FD100 CS-S	7430030312
8 Supraliner, page 58	DIX VLSL 201-7	629214070
9 Wire feeder, page 60	DIX WD 300 FD	745030000
10 Drive roll, for WD 300 FD, Aluminium wire Ø 1.6 mm, page 63	DIX DV-04-16/16A	719041160
11 Connection set	DIX SF-DV	629201407
12 Connection set, page 61	DIX WDV 100	738010000
13 Spool holder, page 64	DIX WDS 300	730530000
14 Connection cable, el. connection of drive unit and control	DIX WDVK 300-7	738090046
15 Power plug	DIX WDNS 400	738090080
16 Control, page 65	DIX FDE-PN100L	745000001
17 Connection cable, el. connection of wire feeder and control	DIX WDVK 303-5	738090056
18 Slide bar set, page 61	DIX WDG 300	738035300
Scale, for wire feeder WD 300 FD, not shown	DIX DV-01 P	P719010DA001
Wire end set, not shown	DIX WDX 302	737030105
Monitoring-USB, not shown	DIX FDE-100 5.0	745000132

System equipment for aluminium welding wire, diameter 1.6 mm.

Examples of wire feeder systems

Hot wire feeder system with analog control



Description	Part name	Part number
1 Torch set, 0.7 m, page 32	DIX LHZ 100-0.7 SATZ/019	630167026
2 Adapter set, page 50	DIX FD100 AST-HW	7430030264
3 Drive unit, page 49	DIX FD100 LS-WB	7430030004
4 Torch set, page 50	DIX FD100 WAST-16	7430033000
5 Connection set, page 53	DIX FD100 CS-S	7430030312
6 Valve set, with 2.0 m control cable and 0.5 m compressed air hose	DIX FD100 VS	7430030065
7 Front drive bracket, page 48	DIX FDH100	683500108
8 Supraliner, page 58	DIX VLSL 201-8	629214080
9 Wire feeder, Seite 54	DIX WD 300 FD	745030000
10 Connection set	DIX SF-DV	629201407
11 Supraliner, page 58	DIX VLSL 201-3	629214030
12 Liner, 2.5 m, page 98	DIX DS 4/2.2- 2.5	623000325
13 Profile roll set, for FD 100 LS-WB, steel wire Ø 1.0 mm, page 51	DIX FD RSL-10S	7430030196
14 Control, page 65	DIX FDE-100L	745000000
15 Drive roll, for WD 300 FD, Steel wire Ø 1.0 mm, page 63	DIX DV-04-10/10T	719042100
16 Connection cable, el. connection of wire feeder and control	DIX WDVK 303-10	738090061
17 Connection cable, el. connection of drive unit and control	DIX WDVK 300-10	738090015
18 Power plug	DIX WDNS 400	738090080
19 Connection set wire drum	DIX WB-CS	738100011
20 CANopen cable, bus cable for connection of control and power source	DIX WDVK 270PI-1	738090089
21 Ground cable 70 mm ²	DIX GL-10/70	7410087010
22 Power source, hot wire, page 79	DIX HW 300 Puls	7420010034
23 Connection cable, el. connection of control and robot control	DIX WDAK 315-10	738090016
Wire end set, installed in wire feeder, not shown	DIX WDX 308	737030175
Connection cable, installed in control, not shown	DIX FDVK 270 PI	737060023
Interface modul, interface board for robot communication module, not shown	DIX INT SBX	7410081202
Bus modul, CANOpen for robot connection (AnyBus), not shown	DIX INT CANopen	7410081205
Trolley, not shown, see page 90	DIX TR 150/300	7410081107
Scale, for wire feeder WD 300 FD, not shown	DIX DV-01 P	P719010DA001

System equipment for steel welding wire, diameter 1.0 mm.

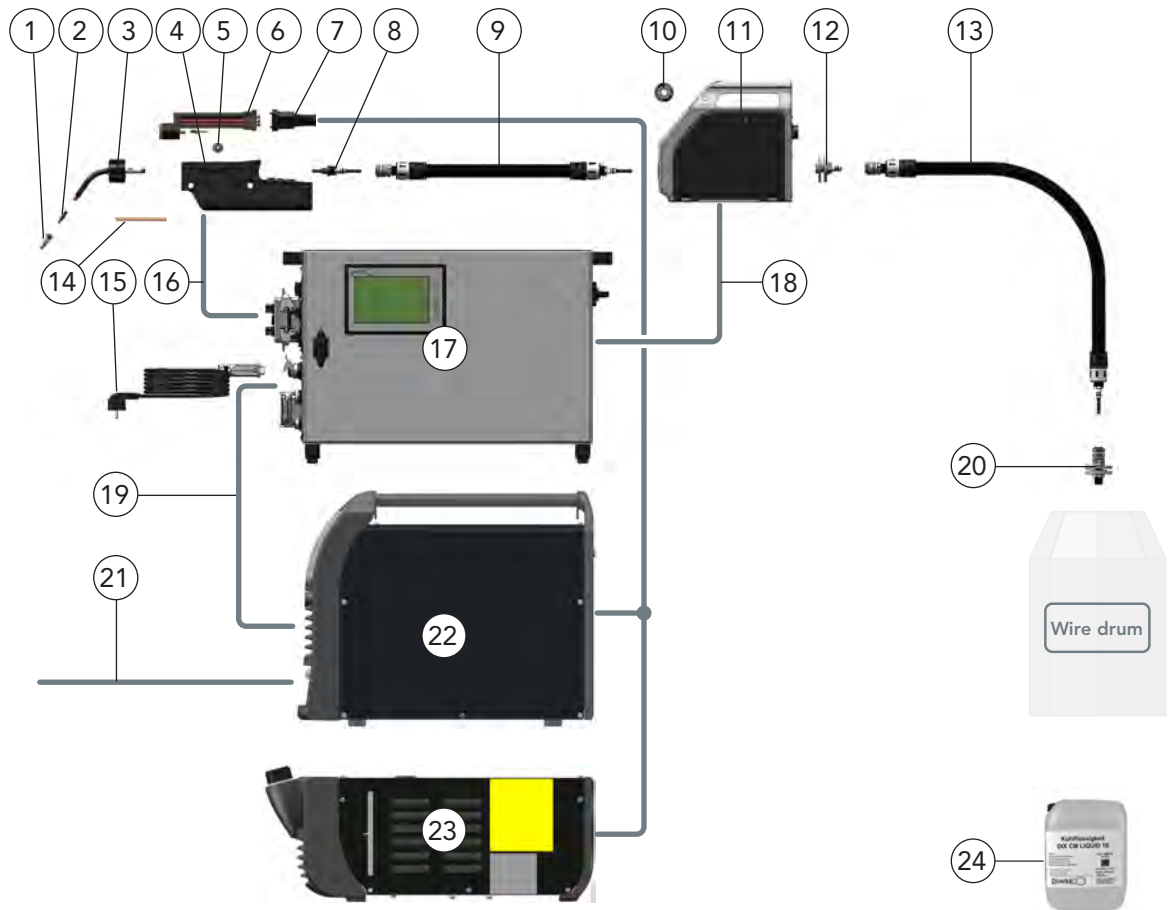


Examples of wire feeder systems

Liquid cooled hot wire feeder system with control for Ethernet-IP

1

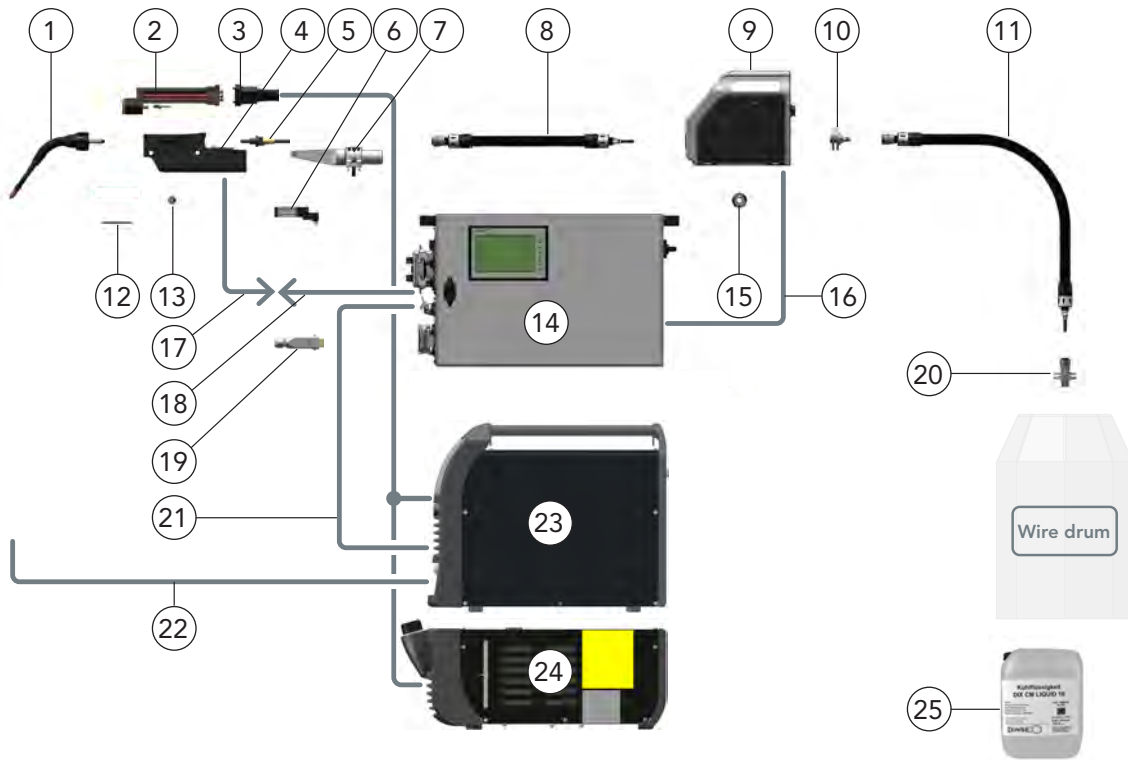
LASER automation



Description	Part name	Part number
1 Gas nozzle, page 27	DIX 1-2-010 LK	629010001P
2 Contact tip, page 27	DIX 3-2-1.2 /KA	P629030NO005
3 Torch neck, page 26	DIX LKTZ 50 U/55°	686950002
4 Drive unit, page 49	DIX FD100 LS	7430030003
5 Profile roll set, for FD 100 LS-WB, steel wire Ø 1.2 mm, page 51	DIX FD RSL-12S	7430030197
6 Adapter set, page 50	DIX FD100 AST-HW	7430030264
7 Torch set, page 50	DIX FD100 WAST-16	7430033000
8 Connection set, page 53	DIX FD 100 CS-S	7430030312
9 Supraliner, page 58	DIX VLSL 201-8	629214080
10 Drive roll, for WD 300 FD, steel wire Ø 1.2 mm, page 63	DIX DV-04-12/12T	719042120
11 Wire feeder, page 60	DIX WD 300 FD	745030000
12 Connection set	DIX SF-DV	629201407
13 Supraliner, page 58	DIX VLSL 201-6	629214060
14 Liner, page 98	DIX DS 4/2,2- 0,3	639300002
15 Power cable	DIX WDNK 230A-3	738090051
16 Connection cable, el. connection of drive unit and control	DIX WDVK 300-10	738090015
17 Control, page 65	DIX FDE-EN-IP 100L	745000124
18 Connection cable, el. connection of wire feeder and control	DIX WDVK 303-3	738090054
19 CANopen cable, bus cable for connection of control and power source	DIX WDVK 270PI-5	738090063
20 Connection set wire drum	DIX WB-CS	738100011
21 Ground cable 70 mm ²	DIX GL-5/70	7410087005
22 Hot wire power source, page 79	DIX HW 300 Puls	7420010034
23 Cooling modul, page 83	DIX CM 592.HW	7420020005
Trolley, not shown, see page 90	DIX TR 150/300	7410081107
24 Cooling liquid, 10 Liter	DIX CM LIQUID 10L	7410082100
Scale, not shown	DIX DV-01 P	P719010DA001
Interface modul, interface board for robot communication module, not shown	DIX INT SBX	7410081202
Bus modul, CANOpen for robot connection (AnyBus), not shown	DIX INT CANopen	7410081205

Examples of wire feeder systems

Liquid cooled hot wire feeder system with control for Profinet-Bus



Description	Part name	Part number
1 Torch set, 0.7 m, page 32	DIX LHZ 100-0.7 SATZ/019	630167026
2 Adapter set, page 50	DIX FD100 AST-HW	7430030264
3 Torch set, page 50	DIX FD100 WAST-16	7430033000
4 Drive unit, page 49	DIX FD100 LS-WB	7430030004
5 Connection set, page 53	DIX FD100 CS-S	7430030312
6 Valve set, with 2.0 m control cable and 0.5 m compressed air hose	DIX FD100 VS	7430030065
7 Front drive bracket, page 48	DIX FDH100	683500108
8 Supraliner, page 58	DIX VLSL 201-8	629214080
9 Wire feeder, page 60	DIX WD 300 FD	745030000
10 Connection set	DIX SF-DV	629201407
11 Supraliner, page 58	DIX VLSL 201-3	629214030
12 Liner, 2.5 m, page 98	DIX DS 4/2.2- 2.5	623000325
13 Profile roll set, for FD 100 LS-WB, steel wire Ø 1.0 mm, page 51	DIX FD RSL-10S	7430030196
14 Control, page 65	DIX FDE-PN-100L	745000001
15 Drive roll, for WD 300 FD, steel wire Ø 1.0 mm, page 63	DIX DV-04-10/10T	719042100
16 Connection cable, el. connection of wire feeder and control	DIX WDVK 303-10	738090061
17 Connection cable, el. connection of drive unit and control	DIX WDVK 300-10	738090015
18 Extension cord, for connection cable WDVK 300-10 (Pos. 17)	DIX WDLV 300-10	738090088
19 Power plug	DIX WDNS 400	738090080
20 Connection set wire drum	DIX WB-CS	738100011
21 CANOpen cable, bus cable for connection of control and power source	DIX WDVK 270PI-1	738090089
22 Ground cable 70 mm ²	DIX GL-10/70	7410087010
23 Hot wire power source, hot wire, page 79	DIX HW 300 Puls	7420010034
24 Cooling modul, page 83	DIX CM 592.HW	7420020005
25 Cooling liquid, 10 litre	DIX CM LIQUID 10L	7410082100
Wire end set, installed in wire feeder, not shown	DIX WDX 308	737030175
Connection cable, installed in control, not shown	DIX FDVK 270 PI	737060023
Interface modul, interface board for robot communication module, not shown	DIX INT SBX	7410081202
Bus modul, CANOpen for robot connection (AnyBus), not shown	DIX INT CANopen	7410081205
Trolley, not shown, see page 90	DIX TR 150/300	7410081107
Scale, not shown	DIX DV-01 P	P719010DA001
OPTION: Software license, to mirror control screen to PC		

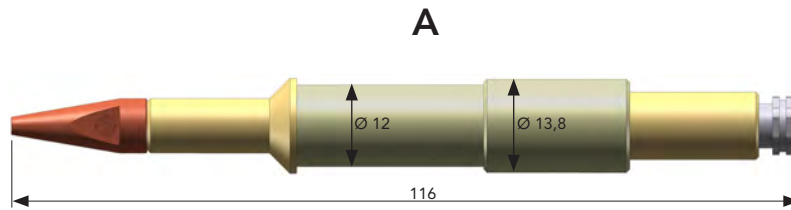
System equipment for steel welding wire, diameter 1.0 mm.



Torch heads gas cooled

DIX LH 100 AW

1



LASER automation

Properties

- ▶ Small design
- ▶ Low weight
- ▶ Precise wire guidance
- ▶ No integrated shield gas guidance

Application

- ▶ Welding applications without or with external shield gas guidance
- ▶ Brazing applications

Technical data (DIN EN 60 974-7):

Wire diameter: 0.6 - 1.6 mm

Description	Part name	Part number
A Torch head	DIX LH 100 AW	686111002

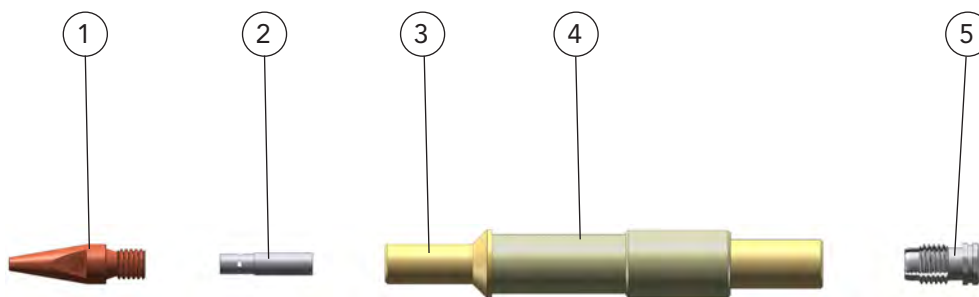
- ▶ Standard equipment:
Distance sleeve DIX DSH 3/001, Insulating sleeve DIX IH 100 AW, contact tip DIX 3-2-1,2 /KA

Hint:

Liners, capillary liners and service tools in chapter TOOLS and ACCESSORIES.



Torch head DIX LH 100 AW



Description	Part name	Part number
1 Contact tip	wire-Ø 0.6 mm DIX 3-2-0.6 /KA	P629030NO012
Contact tip	wire-Ø 0.8 mm DIX 3-2-0.8 /KA	P629030NO007
Contact tip	wire-Ø 0.9 mm DIX 3-2-0.9 /KA	6290300042
Contact tip	wire-Ø 1.0 mm DIX 3-2-1.0 /KA	P629030NO004
Contact tip	wire-Ø 1.2 mm DIX 3-2-1.2 /KA	P629030NO005
Contact tip	wire-Ø 1.6 mm DIX 3-2-1.6 /KA	629030023
2 Distance sleeve	DIX DSH 3/001	638100005
3 Torch neck, complete, 0°	DIX PE 100 AW	686950160
4 Insulating sleeve	DIX IH 100 AW	686950159
5 Clamping sleeve	DIX SH 270	629270270

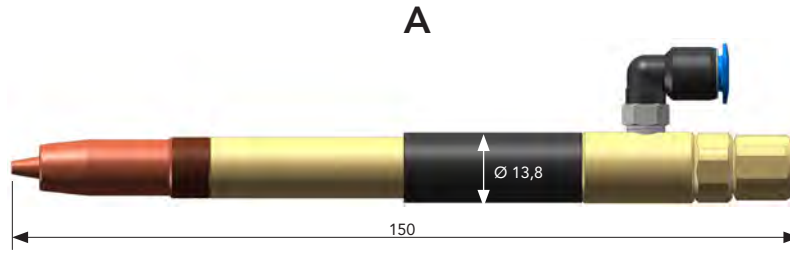
► Other diameter on request.



Torch heads gas cooled

DIX LH 100 SW (/xxx)

1



Properties

- ▶ Small design
- ▶ Low weight
- ▶ Precise wire guidance
- ▶ Integrated shield gas guidance with gas nozzle

Application

- ▶ Non- and low alloyed steels
- ▶ High alloyed steels
- ▶ Aluminium and alloyed aluminium

Technical data (DIN EN 60 974-7):

Gas nozzle mounting Metric thread
 Wire diameter: 0.6 - 1.6 mm

LASER automation

Description	Dimensions	Part name	Part number
A Torch head		DIX LH 100 SW ¹	686111001
Torch head		DIX LH 100 SW /001 ²	686111004
Torch head		DIX LH 100 SW /002 ³	686111008
Torch head		DIX LH 100 SW /004 ⁴	686111012

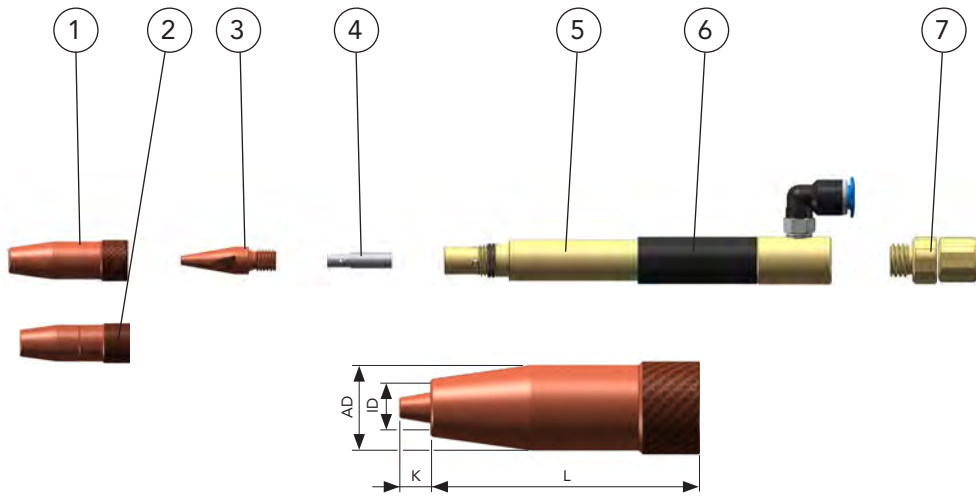
- ▶ ¹ equipped with: gas nozzle DIX 1-2-011/7.0, distance sleeve DIX DSH 3/001, insulating sleeve DIX IH 100 SW and adapter DIX AD 101 SW
- ² equipped with: gas nozzle DIX 1-2-011/6.0, distance sleeve DIX DSH 3/001, insulating sleeve DIX IH 100 SW /004 and adapter DIX AD 101 SW
- ³ equipped with: gas nozzle DIX 1-2-011/7.0, distance sleeve DIX DSH 3/001, insulating sleeve DIX IH 100 SW, adapter DIX AD 101 SW and contact tip DIX 3-2-1.6/KA
- ⁴ equipped with: gas nozzle DIX 1-2-011/7.0, distance sleeve DIX DSH 3/001, insulating sleeve DIX IH 100 SW /004 and adapter DIX AD 101 SW

Hint:

Liners, capillary liners and service tools in chapter TOOLS and ACCESSORIES.



Torch head DIX LH 100 SW (/xxx)



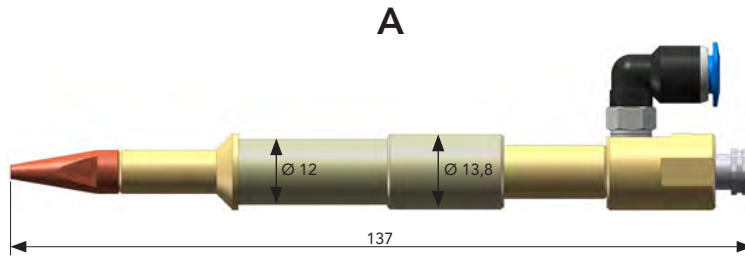
Description	Dimensions (mm)	Part name	Part number
1 Gas nozzle	L 33,5/AD 11/ID 7,0/K 5,5	DIX 1-2-011/7.0	629010020
2 Gas nozzle	L 35/AD 11/ID 5.5/K 4	DIX 1-2-011/5.5	629010008
Gas nozzle	L 33/AD 11/ID 6,0/K 6	DIX 1-2-011/6.0	629010010
3 Contact tip	wire-Ø 0.6 mm	DIX 3-2-0.6 /KA	P629030NO012
Contact tip	wire-Ø 0.8 mm	DIX 3-2-0.8 /KA	P629030NO007
Contact tip	wire-Ø 0.9 mm	DIX 3-2-0.9 /KA	6290300042
Contact tip	wire-Ø 1.0 mm	DIX 3-2-1.0 /KA	P629030NO004
Contact tip	wire-Ø 1.2 mm	DIX 3-2-1.2 /KA	P629030NO005
Contact tip	wire-Ø 1.6 mm	DIX 3-2-1.6 /KA	629030023
4 Distance sleeve		DIX DSH 3/001	638100005
5 Torch neck, complete, 0°		DIX PE 100 SW	686950138
6 Insulating sleeve		DIX IH 100 SW	686950155
Insulating sleeve, not shown		DIX IH 100 SW /004	686950174
7 Adapter		DIX AD 101 SW	686950172

► Other diameter on request.



Torch heads gas cooled DIX LH 100 SB

1



LASER automation

Properties

- ▶ Small design
- ▶ Low weight
- ▶ Precise wire guidance
- ▶ Without gas nozzle
- ▶ Shield gas flushes around the welding wire directly
- ▶ Shield gas connection can also be used for blowing out

Application

- ▶ Brazing
- ▶ Non- and low alloyed steels
- ▶ High alloyed steels
- ▶ Aluminium and alloyed aluminium

Technical data (DIN EN 60 974-7):

Wire diameter: 0.6 - 1.6 mm

Description	Part name	Part number
A Torch head	DIX LH 100 SB	686111003

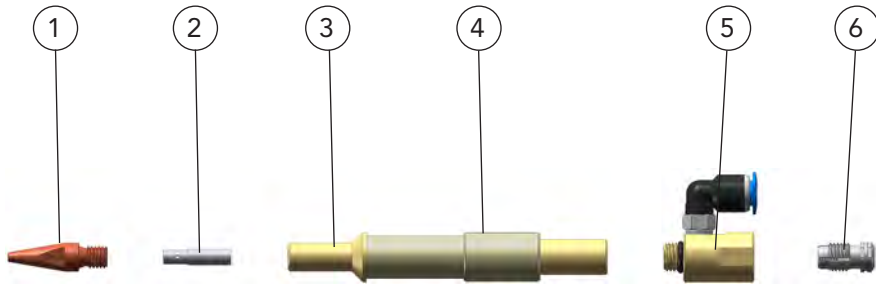
- ▶ Standard equipment for Steel welding wire:
Distance sleeve DIX DSH 3/001, insulating sleeve DIX IH 100 AW, contact tip DIX 3-2-1,2 /KA

Hint:

Liners, capillary liners and service tools in chapter TOOLS and ACCESSORIES.



Torch head DIX LH 100 SB



Description	Part name	Part number
1 Contact tip	wire-Ø 0.6 mm DIX 3-2-0.6 /KA	P629030NO012
Contact tip	wire-Ø 0.8 mm DIX 3-2-0.8 /KA	P629030NO007
Contact tip	wire-Ø 0.9 mm DIX 3-2-0.9 /KA	6290300042
Contact tip	wire-Ø 1.0 mm DIX 3-2-1.0 /KA	P629030NO004
Contact tip	wire-Ø 1.2 mm DIX 3-2-1.2 /KA	P629030NO005
Contact tip	wire-Ø 1.6 mm DIX 3-2-1.6 /KA	629030023
2 Distance sleeve	DIX DSH 3/001	638100005
3 Torch neck, complete, 0°	DIX PE 100 AW	686950160
4 Insulating sleeve	DIX IH 100 AW	686950159
5 Adapter, complete For gas connection	DIX AD 100 SB	686950161
6 Clamping sleeve	DIX SH 270	629270270

► Other diameter on request.



Torch heads liquid cooled

DIX LKTZ 50 U/55° / L/55° / R/55° / 0°

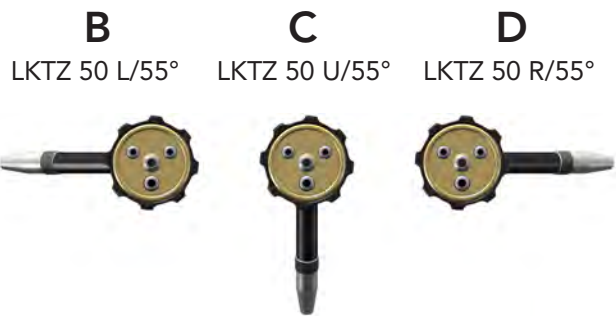
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LASER automation



Properties

- ▶ Precise wire guidance
- ▶ Left, right and down alignment



Application

- ▶ Non- and low alloyed steels
- ▶ High alloyed steels
- ▶ Aluminum-, magnesium-, copper- and nickel alloys

Technical data (DIN EN 60 974-7):

Single - circuit cooling system
 Gas nozzle mounting Metric thread
 Wire diameter: 0.6 - 1.6 mm

Description	Dimensions	Part name	Part number
A Torch head	0°	DIX LKTZ 50 /0°	
B Torch head	55°	DIX LKTZ 50 L/55°	
C Torch head	55°	DIX LKTZ 50 U/55°	
D Torch head	55°	DIX LKTZ 50 R/55°	

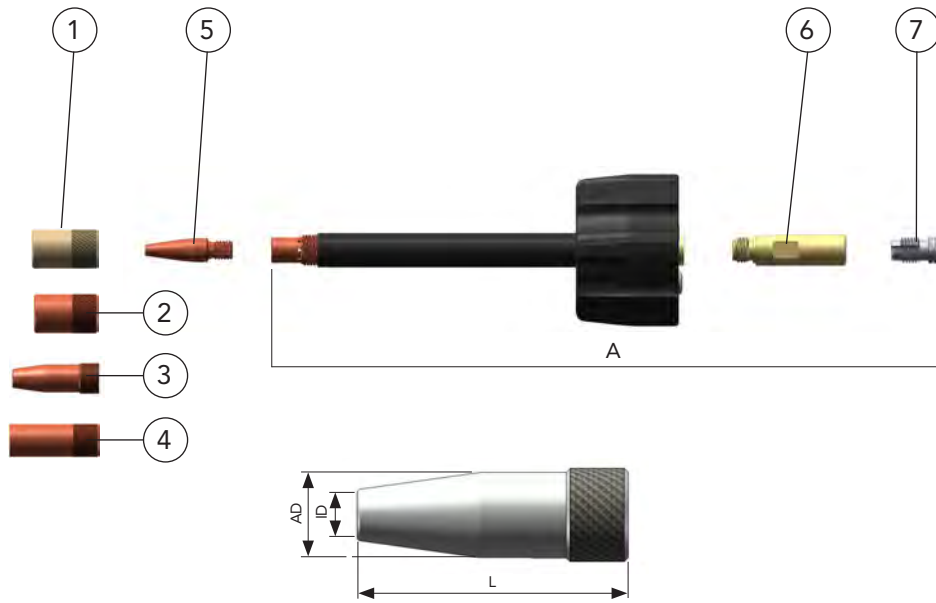
- ▶ Standard equipment:
Connecting piece DIX MEPS 300/500, clamping sleeve DIX SH 270

Hint:

Liners, capillary liners and service tools in chapter TOOLS and ACCESSORIES.



Torch heads DIX LKTZ 50 U/55° / L/55° / R/55° /0°



Description	Dimensions (mm)	Part name	Part number
1 Gas nozzle PEEK*	L 20/AD 12/ID 9	DIX 1-2-009 LK	68690100109
2 Gas nozzle	L 20/AD 12/ID 9	DIX 1-2-010 LK	629010001P
3 Gas nozzle	L 35/AD 11/ID 5,5	DIX 1-2-011 LK	629010002P
4 Gas nozzle	L 33/AD 12/ID 9,5	DIX 1-2-014 LK	629010006
5 Contact tip	wire-Ø 0.6 mm	DIX 3-2-0.6 /KA	P629030NO012
Contact tip	wire-Ø 0.8 mm	DIX 3-2-0.8 /KA	P629030NO007
Contact tip	wire-Ø 0.9 mm	DIX 3-2-0.9 /KA	6290300042
Contact tip	wire-Ø 1.0 mm	DIX 3-2-1.0 /KA	P629030NO004
Contact tip	wire-Ø 1.2 mm	DIX 3-2-1.2 /KA	P629030NO005
Contact tip	wire-Ø 1.6 mm	DIX 3-2-1.6 /KA	629030023
A Torch neck	0°	DIX LKTZ 50 /0°	686950001
Torch neck	55°	DIX LKTZ 50 L/55°	686950003
Torch neck	55°	DIX LKTZ 50 U/55°	686950002
Torch neck	55°	DIX LKTZ 50 R/55°	686950004
6 Connecting piece		DIX MEPS 300/500	6390665000
7 Clamping sleeve		DIX SH 270	629270270

* Heat resistant plastic gas nozzle



DIX LHZ 100-x SATZ(/004)(/007)

Properties

- ▶ Flexible supply hose
- ▶ No gas loss due to separate shield gas feed
- ▶ One supply hose, different torch heads

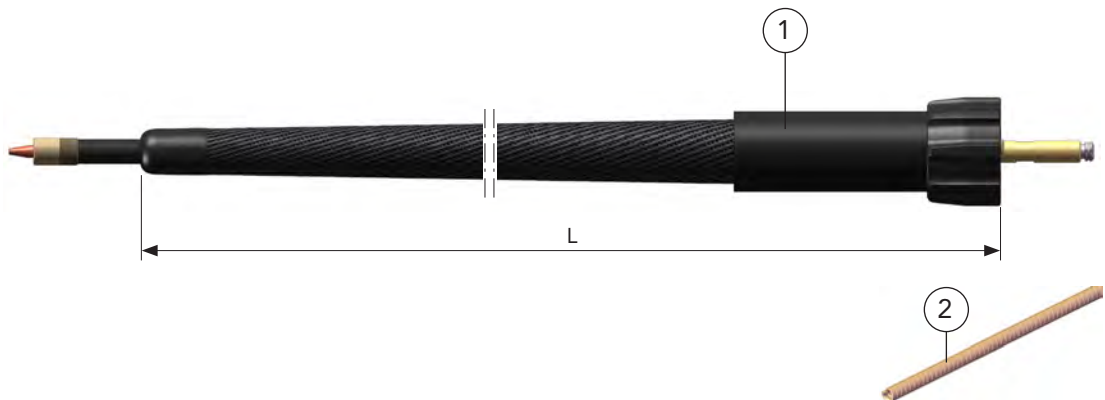


Application

- ▶ Non- and low alloyed steels
- ▶ High alloyed steels
- ▶ Copper alloyed for the MSG brazing

Technical data (DIN EN 60 974-7):

Wire diameter: 0.6 - 1.6 mm



Description	Dimensions (mm)	Part name	Part number
1 Torch set with torch head	0.50 m	DIX LHZ 100-0.5 SATZ	630167004
Torch set with torch head	0.70 m	DIX LHZ 100-0.7 SATZ	630167003
Torch set with torch head	0.80 m	DIX LHZ 100-0.8 SATZ	630167002
Torch set with torch head	1.50 m	DIX LHZ 100-1.5 SATZ	630167001
Torch set with torch head	0.70 m	DIX LHZ 100-0.7 SATZ/004	630167016
2 Liner	ø 2.2 mm/1.0 m	DIX DS 4/2.2-1.0	623000310
Liner	ø 2.2 mm/2.5 m	DIX DS 4/2.2-2.5	623000325

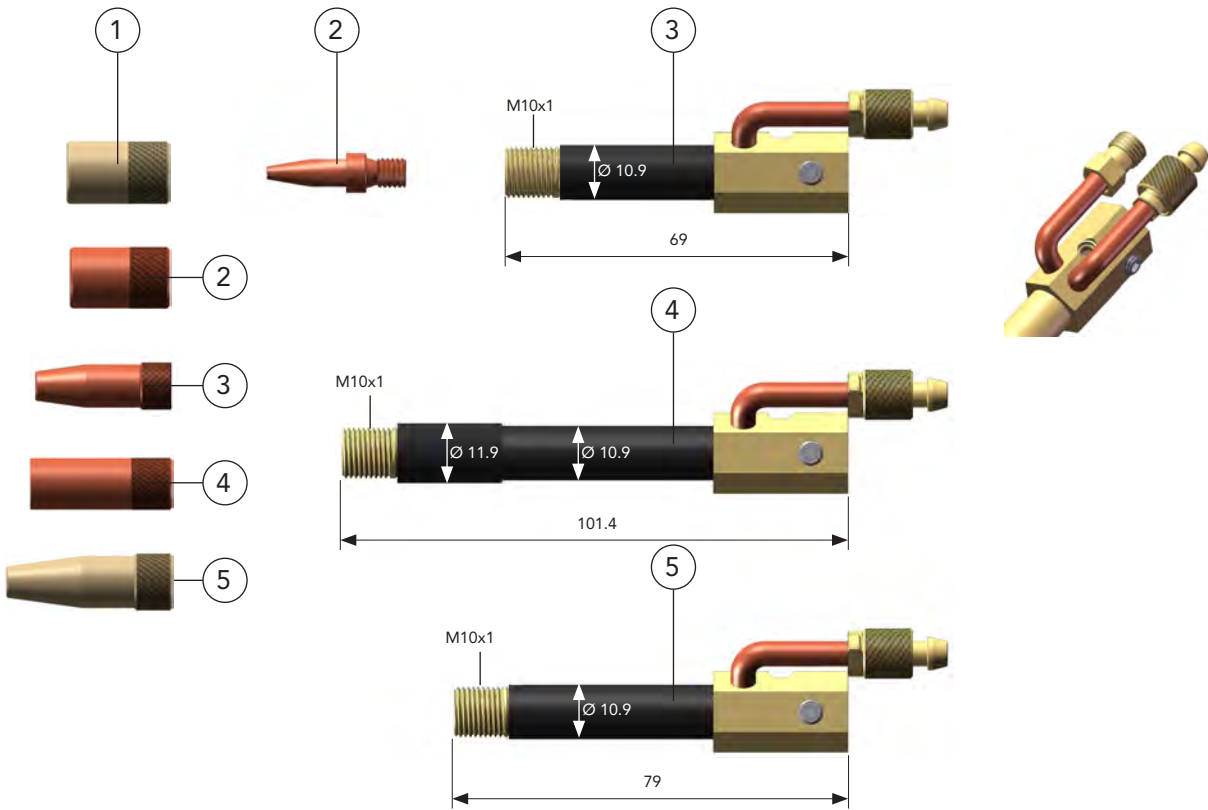
Hint:

Additional liners, wire guide capillaries and service tools can be found in the chapter TOOLS and ACCESSORIES.

- ▶ Standard equipment for wire diameter 1.2 mm steel:
Gas nozzle DIX 1-2-009 LK, contact tip DIX 3-2-1.2 /KA.



Torch sets LHZ 100-x SATZ
Torch head



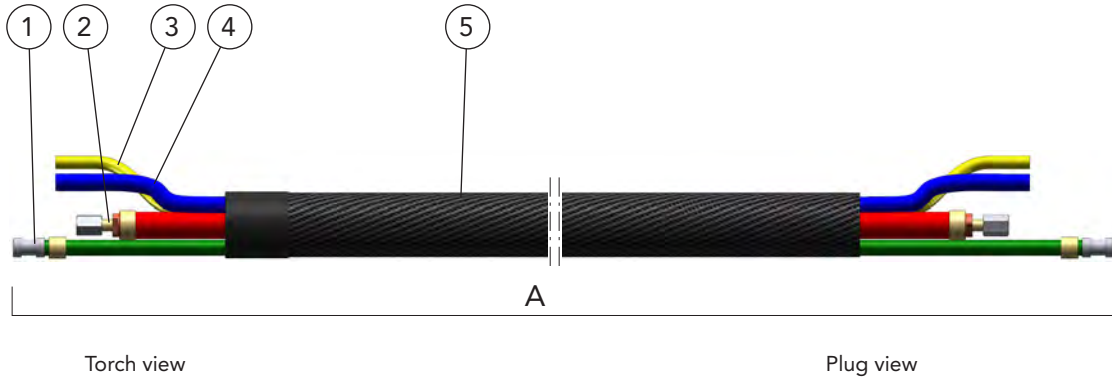
	Description	Dimensions (mm)	Part name	Part number
1	Gas nozzle PEEK*	L 20/AD 12/ID 9	DIX 1-2-009 LK	68690100109
	Gas nozzle	L 20/AD 12/ID 9	DIX 1-2-010 LK	629010001P
	Gas nozzle	L 35/AD 11/ID 5.5	DIX 1-2-011 LK	629010002P
	Gas nozzle	L 33/AD 12/ID 9.5	DIX 1-2-014 LK	629010006
	Gas nozzle PEEK*	L 35/AD 11/ID 4.7	DIX 1-2-011/001 LK	629010003
	2	Contact tip	wire-Ø 0.6 mm	DIX 3-2-0.6 /KA
Contact tip		wire-Ø 0.8 mm	DIX 3-2-0.8 /KA	P629030NO007
Contact tip		wire-Ø 0.9 mm	DIX 3-2-0.9 /KA	6290300042
Contact tip		wire-Ø 1.0 mm	DIX 3-2-1.0 /KA	P629030NO004
Contact tip		wire-Ø 1.2 mm	DIX 3-2-1.2 /KA	P629030NO005
Contact tip		wire-Ø 1.6 mm	DIX 3-2-1.6 /KA	629030023
3	Torch neck	0°	DIX LHZ 100/003	686950115
4	Torch neck	0°	DIX LHZ 100/004	686950120
5	Torch neck	0°	DIX LHZ 100/007	686950126

* Heat resistant plastic gas nozzle



Torch sets LHZ 100-x SATZ Supply hose

1



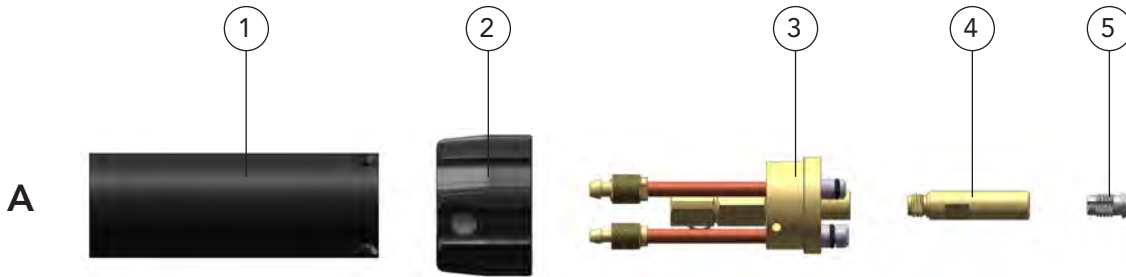
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Description	Part name	Part number
A Supply hose	DIX VL 100-__ LHZ	63216700__
1 Conduit hose	DIX VLM 2011-__	6292018__
2 Combi cable	DIX 22-2-303-__	629221__
3 Gas hose	DIX VL 180-__	639186001__
4 Water hose blue	DIX VL 190-__	639196001__
5 Cover hose set	DIX VL 230-__	639236001__

-- Here you define the length of the torch set, e.g.: 05 = 0.5 m or 08 = 0.8 m.
Standard lengths: 0.5 m, 0.7 m, 0.8 m and 1.5 m



Torch sets LHZ 100-x SATZ Plug



Description	Part name	Part number
A Plug	DIX KCZ 100 SATZ LHZ	634167018
1 Plug sleeve	DIX LH-SATZ	639125004P
2 Union nut	DIX 11-2 SATZ ÜWM	629111902
3 Plug insert	DIX LHZ 110 SATZ	686110000
4 Connecting piece (MEPTZ)	DIX MEPS 300/500	6390665000
5 Clamping sleeve	DIX SH 270	629270270
M4 x 6 countersunk screw PA nature, (9 pcs.) not shown		629900272



Torch sets liquid cooled

DIX LHZ 100-x SATZ/001(/005)(/006)(/008)(/009)(/010)(/011)(/012)(/019)(023)

Properties

- ▶ Flexible supply hose
- ▶ No gas loss due to separate shield gas feed
- ▶ One supply hose, different torch heads



Applicationsbeispiel

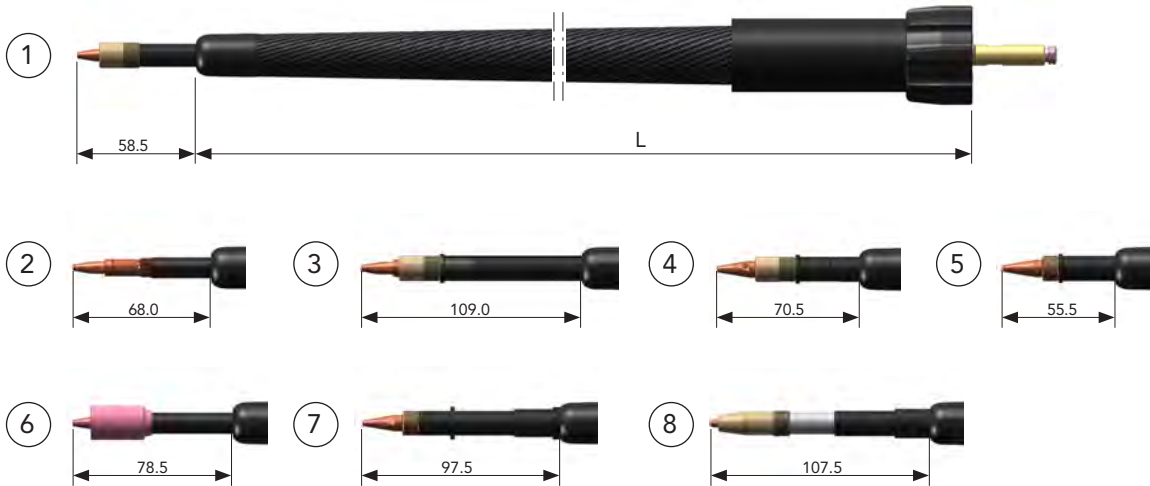
Application

- ▶ Non- and low alloyed steels
- ▶ High alloyed steels
- ▶ Copper alloyed for the MSG brazing

Technical data (DIN EN 60 974-7):

Wire diameter: 0.6 - 1.6 mm

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Description	Dimensions (L)	Part name	Part number
1 Torch set with torch head *	0.50 m	DIX LHZ 100-0.5 SATZ/001	630167005
Torch set with torch head *	0.80 m	DIX LHZ 100-0.8 SATZ/001	630167006
Torch set with torch head *	0.90 m	DIX LHZ 100-0.9 SATZ/001	630167020
Torch set with torch head *	0.28 m	DIX LHZ 100-0.28 SATZ/005	630167018
Torch set with torch head *	0.65 m	DIX LHZ 100-0.65 SATZ/005	630167022

- ▶ Standard equipment for wire diameter 1.2 mm steel:
Gas nozzle DIX 1-2-009 LK, contact tip DIX 3-2-1.2 /KA.

2 Torch set with torch head, without gas nozzle	0.50 m	DIX LHZ 100-0.5 SATZ/006	630167007
Torch set with torch head, without gas nozzle	1.00 m	DIX LHZ 100-1.0 SATZ/006	630167008

- ▶ Standard equipment for wire diameter 1.0 mm steel:
Contact tip DIX 3-2-1.0 /KA.





Description	Dimensions (L)	Part name	Part number
3 Torch set with torch head *	0.50 m	DIX LHZ 100-0.5 SATZ/008	630167012
Torch set with torch head *	0.70 m	DIX LHZ 100-0.7 SATZ/008	630167009
Torch set with torch head *	2.00 m	DIX LHZ 100-2.0 SATZ/008	630167011
▶ Standard equipment for wire diameter 1.0 mm steel: Contact tip DIX 3-2-1.0 /KA, gas nozzle 1-2-009 LK (PEEK**)			
4 Torch set with torch head *	0.50 m	DIX LHZ 100-0.5 SATZ/009	630167010
Torch set with torch head *	0.65 m	DIX LHZ 100-0.65 SATZ/009	630167021
▶ Standard equipment for wire diameter 1.2 mm steel: Contact tip DIX 3-2-1.2 /KA, gas nozzle 1-2-009 LK (PEEK**)			
5 Torch set with torch head *, without gas nozzle	0.50 m	DIX LHZ 100-0.5 SATZ/010	630167013
▶ Standard equipment for wire diameter 1.2 mm steel: Contact tip DIX 3-2-1.2 /KA			
6 Torch set with torch head *	0.50 m	DIX LHZ 100-0.5 SATZ/011	630167014
▶ Standard equipment for wire diameter 1.0 mm steel: Contact tip DIX 3-2-1.0 M6 /KAL, gas nozzle DIX 1-2-012 LK			
7 Torch set with torch head *, without gas nozzle	0.50 m	DIX LHZ 100-0.5 SATZ/012	630167015
▶ Standard equipment for wire diameter 1.2 mm steel: Contact tip DIX 3-2-1.2 /KA			
8 Torch set with torch head	0.60 m	DIX LHZ 100-0.6 SATZ/019	630167024
Torch set with torch head	0.70 m	DIX LHZ 100-0.7 SATZ/019	630167026
Torch set with torch head	0.90 m	DIX LHZ 100-0.9 SATZ/019	630167025
Torch set with torch head	0,70 m	DIX LHZ 100-0,7 SATZ/023	630167028
Torch set with torch head	0,75 m	DIX LHZ 100-0,75 SATZ/023	630167030
▶ Standard equipment for wire diameter 1.0 mm steel: Contact tip DIX 3-2-1.0 /KA, gas nozzle DIX 1-2-011/001 LK			
9 Liner	ø 2.2 mm/0.3 m	DIX DS 4/2.2-0.3	639300002
Liner	ø 2.2 mm/0.5 m	DIX DS 4/2.2-0.5	623000305
Liner	ø 2.2 mm/1.0 m	DIX DS 4/2.2-1	623000310
Liner	ø 2.2 mm/2.0 m	DIX DS 4/2.2-2	623000320

Hint:

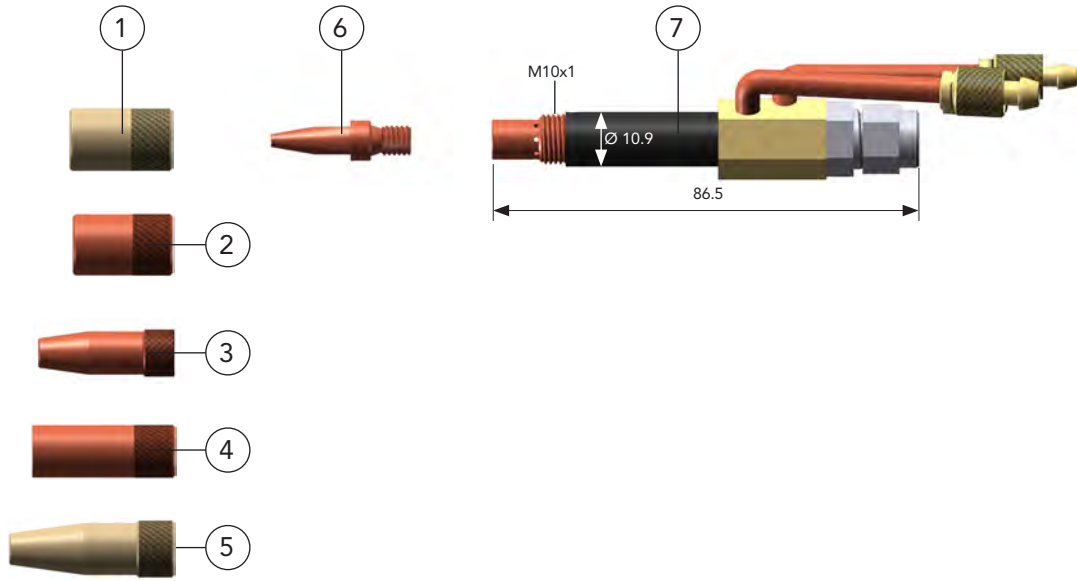
Additional liners, wire guide capillaries and service tools can be found in the chapter Tools and Accessories.

* This torchset is delivered without liner. Please order liner separately see pos. 9.

** Heat resistant plastic gas nozzle

Torch sets LHZ 100-x SATZ/001(005)

Torch head

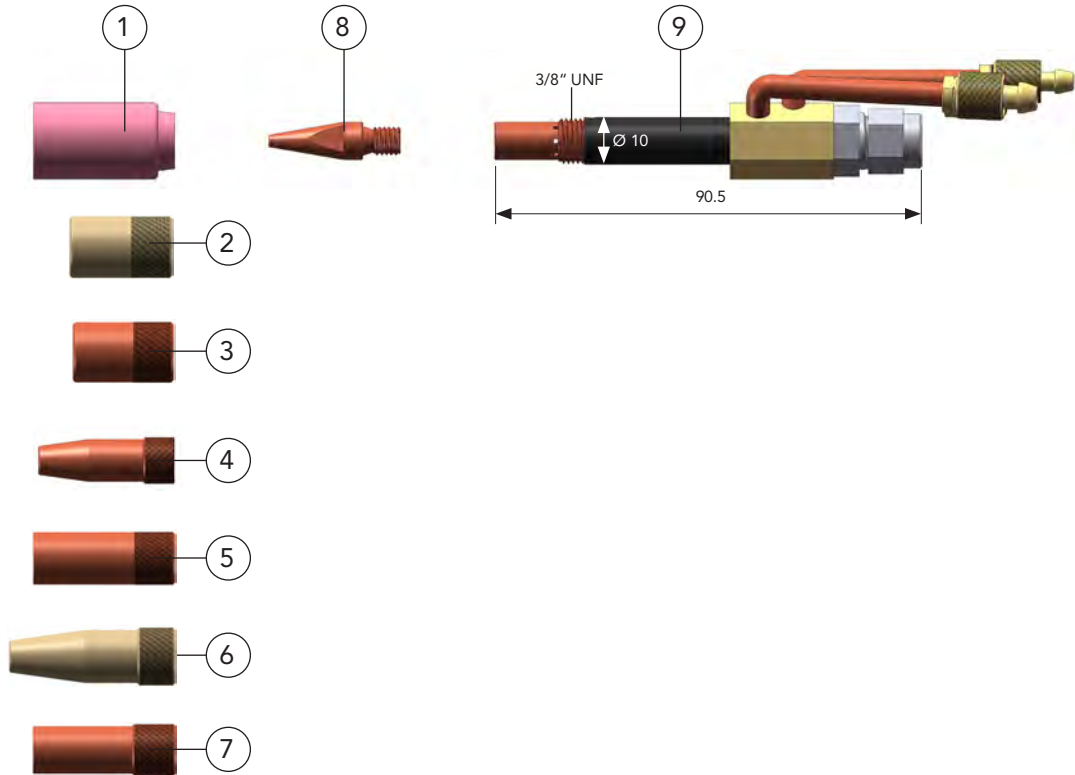


Description	Dimensions (mm)	Part name	Part number
1 Gas nozzle PEEK*	L 20/AD 12/ID 9	DIX 1-2-009 LK	68690100109
2 Gas nozzle	L 20/AD 12/ID 9	DIX 1-2-010 LK	629010001P
3 Gas nozzle	L 35/AD 11/ID 5.5	DIX 1-2-011 LK	629010002P
4 Gas nozzle	L 33/AD 12/ID 9.5	DIX 1-2-014 LK	629010006
5 Gas nozzle PEEK**	L 35/AD 11/ID 4.7	DIX 1-2-011/001 LK	629010003
6 Contact tip	wire-Ø 0.6 mm	DIX 3-2-0.6 /KA	P629030NO012
Contact tip	wire-Ø 0.8 mm	DIX 3-2-0.8 /KA	P629030NO007
Contact tip	wire-Ø 0.9 mm	DIX 3-2-0.9 /KA	6290300042
Contact tip	wire-Ø 1.0 mm	DIX 3-2-1.0 /KA	P629030NO004
Contact tip	wire-Ø 1.2 mm	DIX 3-2-1.2 /KA	P629030NO005
Contact tip	wire-Ø 1.6 mm	DIX 3-2-1.6 /KA	629030023
7 Torch neck	0°	DIX LHZ 100/005	686950124

* Heat resistant plastic gas nozzle



Torch sets LHZ 100-x SATZ/006
Torch head



	Description	Dimensions (mm)	Part name	Part number
1	Gas nozzle, Ceramic	L 30/AD 16.2/ID 12	DIX 1-2-012 LK	629010004
2	Gas nozzle PEEK*,**	L 20/AD 12/ID 9	DIX 1-2-009 LK	68690100109
3	Gas nozzle*	L 20/AD 12/ID 9	DIX 1-2-010 LK	629010001P
4	Gas nozzle*	L 35/AD 11/ID 5.5	DIX 1-2-011 LK	629010002P
5	Gas nozzle*	L 33/AD 12/ID 9.5	DIX 1-2-014 LK	629010006
6	Gas nozzle PEEK*,**	L 35/AD 11/ID 4.7	DIX 1-2-011/001 LK	629010003
7	Gas nozzle	L 33/AD 11/ID 9,5	DIX 1-2-013 LK	629010005
8	Contact tip	wire-Ø 0.6 mm	DIX 3-2-0.6 /KA	P629030NO012
	Contact tip	wire-Ø 0.8 mm	DIX 3-2-0.8 /KA	P629030NO007
	Contact tip	wire-Ø 0.9 mm	DIX 3-2-0.9 /KA	6290300042
	Contact tip	wire-Ø 1.0 mm	DIX 3-2-1.0 /KA	P629030NO004
	Contact tip	wire-Ø 1.2 mm	DIX 3-2-1.2 /KA	P629030NO005
	Contact tip	wire-Ø 1.6 mm	DIX 3-2-1.6 /KA	629030023
9	Torch neck	0°	DIX LHZ 100/006	686950125

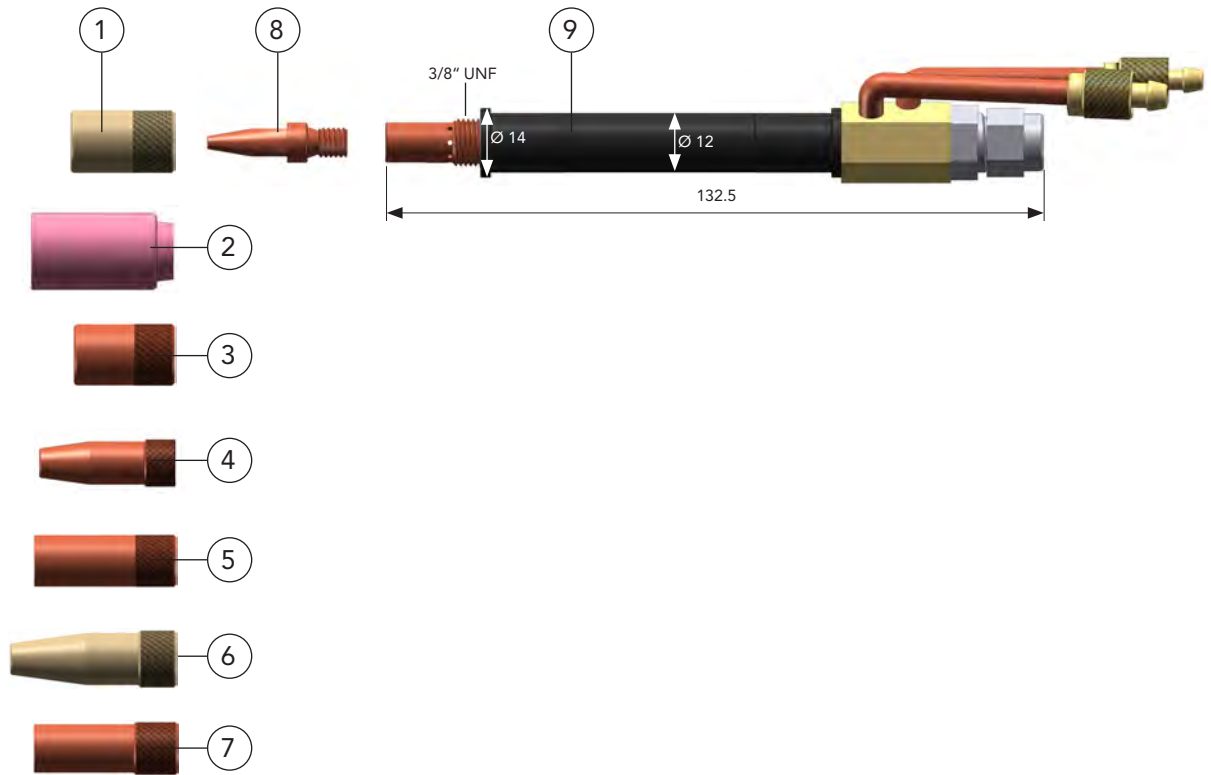
* M10 thread

** Heat resistant plastic gas nozzle



Torch sets LHZ 100-x SATZ/008

Torch head



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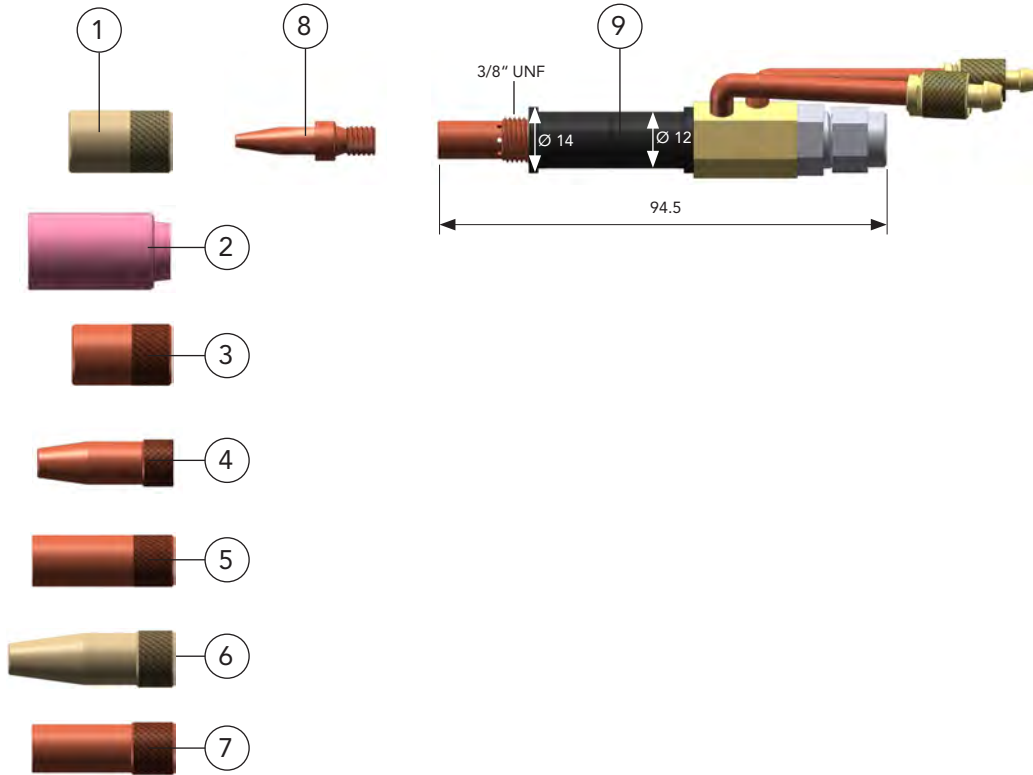
Description	Dimensions (mm)	Part name	Part number
1 Gas nozzle PEEK*,**	L 20/AD 12/ID 9	DIX 1-2-009 LK	68690100109
2 Gas nozzle, Ceramic	L 30/AD 16.2/ID 12	DIX 1-2-012 LK	629010004
3 Gas nozzle*	L 20/AD 12/ID 9	DIX 1-2-010 LK	629010001P
4 Gas nozzle*	L 35/AD 11/ID 5.5	DIX 1-2-011 LK	629010002P
5 Gas nozzle*	L 33/AD 12/ID 9.5	DIX 1-2-014 LK	629010006
6 Gas nozzle PEEK*,**	L 35/AD 11/ID 4.7	DIX 1-2-011/001 LK	629010003
7 Gas nozzle	L 33/AD 11/ID 9,5	DIX 1-2-013 LK	629010005
8 Contact tip	wire-Ø 0.6 mm	DIX 3-2-0.6 /KA	P629030NO012
Contact tip	wire-Ø 0.8 mm	DIX 3-2-0.8 /KA	P629030NO007
Contact tip	wire-Ø 0.9 mm	DIX 3-2-0.9 /KA	6290300042
Contact tip	wire-Ø 1.0 mm	DIX 3-2-1.0 /KA	P629030NO004
Contact tip	wire-Ø 1.2 mm	DIX 3-2-1.2 /KA	P629030NO005
Contact tip	wire-Ø 1.6 mm	DIX 3-2-1.6 /KA	629030023
9 Torch neck	0°	DIX LHZ 100/008	686950130

* M10 thread

** Heat resistant plastic gas nozzle



Torch sets LHZ 100-x SATZ/009
Torch head



	Description	Dimensions (mm)	Part name	Part number
1	Gas nozzle PEEK*,**	L 20/AD 12/ID 9	DIX 1-2-009 LK	68690100109
2	Gas nozzle, Ceramic	L 30/AD 16.2/ID 12	DIX 1-2-012 LK	629010004
3	Gas nozzle*	L 20/AD 12/ID 9	DIX 1-2-010 LK	629010001P
4	Gas nozzle*	L 35/AD 11/ID 5.5	DIX 1-2-011 LK	629010002P
5	Gas nozzle*	L 33/AD 12/ID 9.5	DIX 1-2-014 LK	629010006
6	Gas nozzle PEEK*,**	L 35/AD 11/ID 4.7	DIX 1-2-011/001 LK	629010003
7	Gas nozzle	L 33/AD 11/ID 9,5	DIX 1-2-013 LK	629010005
8	Contact tip	wire-Ø 0.6 mm	DIX 3-2-0.6 /KA	P629030NO012
	Contact tip	wire-Ø 0.8 mm	DIX 3-2-0.8 /KA	P629030NO007
	Contact tip	wire-Ø 0.9 mm	DIX 3-2-0.9 /KA	6290300042
	Contact tip	wire-Ø 1.0 mm	DIX 3-2-1.0 /KA	P629030NO004
	Contact tip	wire-Ø 1.2 mm	DIX 3-2-1.2 /KA	P629030NO005
	Contact tip	wire-Ø 1.6 mm	DIX 3-2-1.6 /KA	629030023
9	Torch neck	0°	DIX LHZ 100/009	686950135

* M10 thread

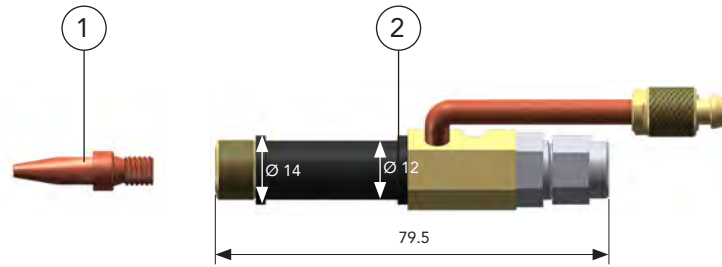
** Heat resistant plastic gas nozzle





Spare and wear parts

Torch sets LHZ 100-x SATZ/010 Torch head

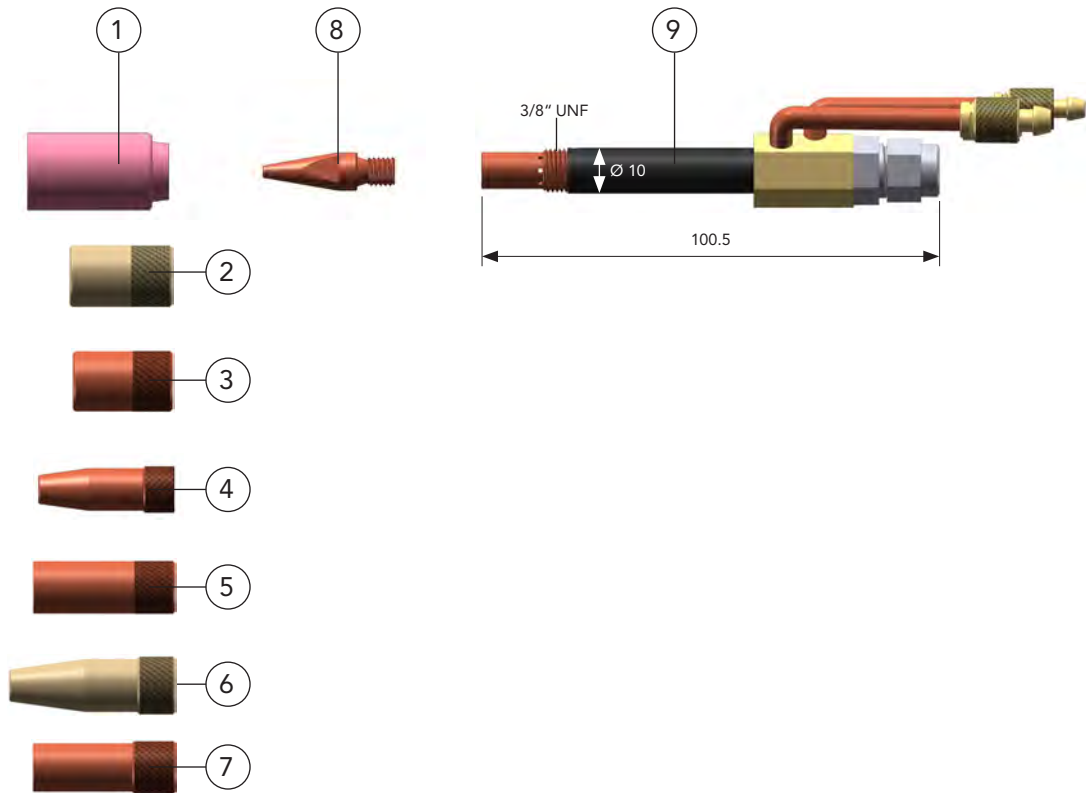


	Description	Dimensions (mm)	Part name	Part number
1	Contact tip	wire-Ø 0.6 mm	DIX 3-2-0.6 /KA	P629030NO012
	Contact tip	wire-Ø 0.8 mm	DIX 3-2-0.8 /KA	P629030NO007
	Contact tip	wire-Ø 0.9 mm	DIX 3-2-0.9 /KA	6290300042
	Contact tip	wire-Ø 1.0 mm	DIX 3-2-1.0 /KA	P629030NO004
	Contact tip	wire-Ø 1.2 mm	DIX 3-2-1.2 /KA	P629030NO005
	Contact tip	wire-Ø 1.6 mm	DIX 3-2-1.6 /KA	629030023
2	Torch neck	0°	DIX LHZ 100/010	686950139



Torch sets LHZ 100-x SATZ/011

Torch head



	Description	Dimensions (mm)	Part name	Part number
1	Gas nozzle, Ceramic	L 30/AD 16.2/ID 12	DIX 1-2-012 LK	629010004
	Gas nozzle PEEK*,**	L 20/AD 12/ID 9	DIX 1-2-009 LK	68690100109
	Gas nozzle*	L 20/AD 12/ID 9	DIX 1-2-010 LK	629010001P
	Gas nozzle*	L 35/AD 11/ID 5.5	DIX 1-2-011 LK	629010002P
	Gas nozzle*	L 33/AD 12/ID 9.5	DIX 1-2-014 LK	629010006
	Gas nozzle PEEK*,**	L 35/AD 11/ID 4.7	DIX 1-2-011/001 LK	629010003
	7	Gas nozzle	L 33/AD 11/ID 9,5	DIX 1-2-013 LK
2	Contact tip	wire-Ø 1.0 mm	DIX 3-2-1.0 M6 /KAL	629030033
	Contact tip	wire-Ø 0.6 mm	DIX 3-2-0.6 /KA	P629030NO012
	Contact tip	wire-Ø 0.8 mm	DIX 3-2-0.8 /KA	P629030NO007
	Contact tip	wire-Ø 0.9 mm	DIX 3-2-0.9 /KA	6290300042
	Contact tip	wire-Ø 1.0 mm	DIX 3-2-1.0 /KA	P629030NO004
	Contact tip	wire-Ø 1.2 mm	DIX 3-2-1.2 /KA	P629030NO005
	Contact tip	wire-Ø 1.6 mm	DIX 3-2-1.6 /KA	629030023
3	Torch neck	0°	DIX LHZ 100/011	686950140

* M10 thread

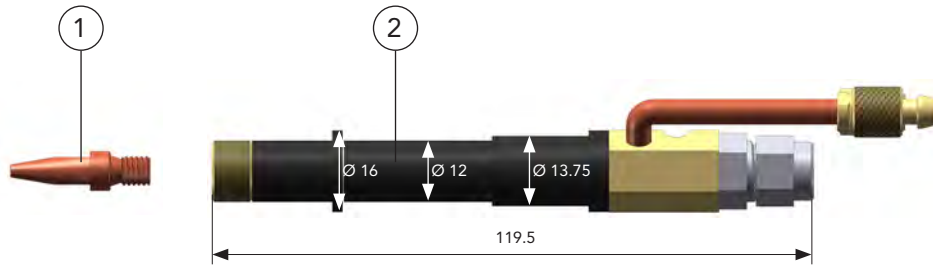
** Heat resistant plastic gas nozzle





Spare and wear parts

Torch sets LHZ 100-x SATZ/012 Torch head

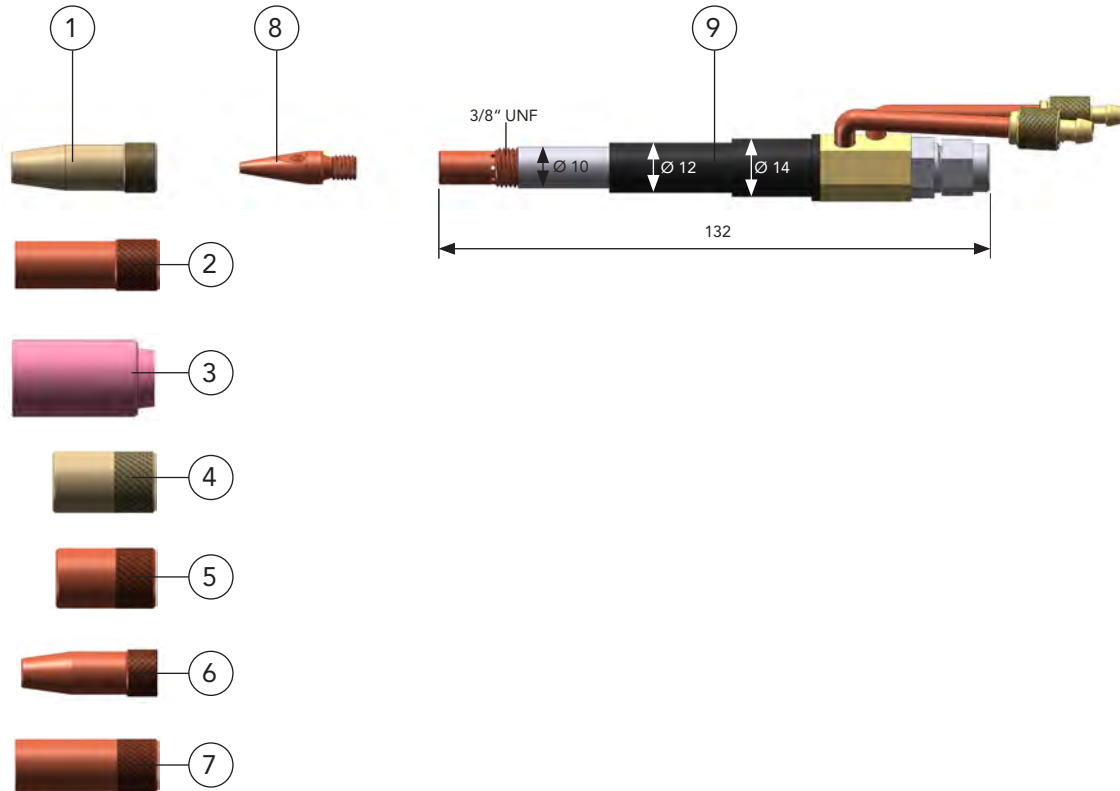


	Description	Dimensions (mm)	Part name	Part number
1	Contact tip	wire-Ø 0.6 mm	DIX 3-2-0.6 /KA	P629030NO012
	Contact tip	wire-Ø 0.8 mm	DIX 3-2-0.8 /KA	P629030NO007
	Contact tip	wire-Ø 0.9 mm	DIX 3-2-0.9 /KA	6290300042
	Contact tip	wire-Ø 1.0 mm	DIX 3-2-1.0 /KA	P629030NO004
	Contact tip	wire-Ø 1.2 mm	DIX 3-2-1.2 /KA	P629030NO005
	Contact tip	wire-Ø 1.6 mm	DIX 3-2-1.6 /KA	629030023
2	Torch neck	0°	DIX LHZ 100/012	686950141



Torch sets LHZ 100-x SATZ/019(023)

Torch head



	Description	Dimensions (mm)	Part name	Part number
1	Gas nozzle PEEK* ^{***}	L 35/AD 11/ID 4.7	DIX 1-2-011/001 LK	629010003
2	Gas nozzle	L 33/AD 11/ID 9.5	DIX 1-2-013 LK	629010005
3	Gas nozzle, Ceramic	L 30/AD 16.2/ID 12	DIX 1-2-012 LK	629010004
4	Gas nozzle PEEK* ^{***}	L 20/AD 12/ID 9	DIX 1-2-009 LK	68690100109
5	Gas nozzle*	L 20/AD 12/ID 9	DIX 1-2-010 LK	629010001P
6	Gas nozzle*	L 35/AD 11/ID 5.5	DIX 1-2-011 LK	629010002P
7	Gas nozzle*	L 33/AD 12/ID 9.5	DIX 1-2-014 LK	629010006
8	Contact tip	wire-Ø 1.0 mm	DIX 3-2-1.0 M6 /KAL	629030033
	Contact tip	wire-Ø 0.6 mm	DIX 3-2-0.6 /KA	P629030NO012
	Contact tip	wire-Ø 0.8 mm	DIX 3-2-0.8 /KA	P629030NO007
	Contact tip	wire-Ø 0.9 mm	DIX 3-2-0.9 /KA	6290300042
	Contact tip	wire-Ø 1.0 mm	DIX 3-2-1.0 /KA	P629030NO004
	Contact tip	wire-Ø 1.2 mm	DIX 3-2-1.2 /KA	P629030NO005
	Contact tip	wire-Ø 1.6 mm	DIX 3-2-1.6 /KA	629030023
9	Torch neck	0°	DIX LHZ 100/019	686950163
	Torch neck	0°	DIX LHZ 100/023	686950171

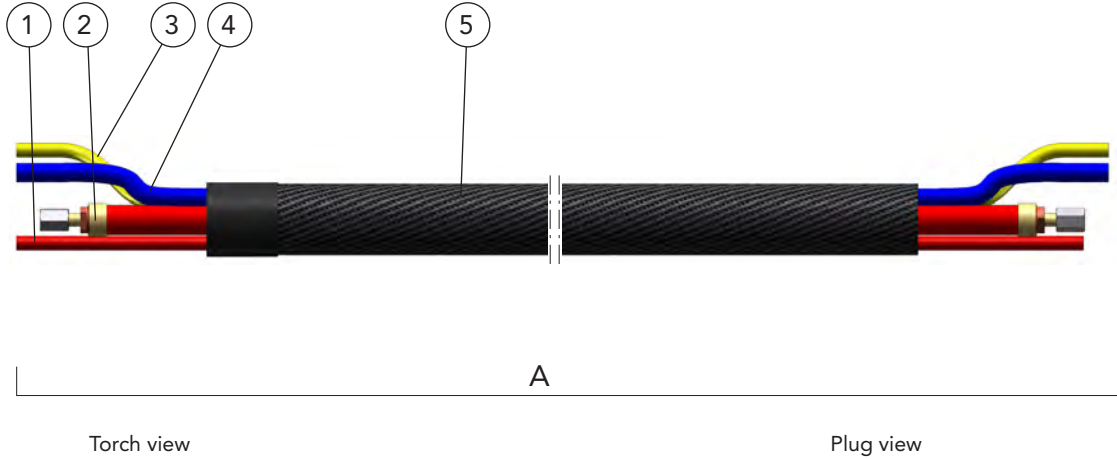
* M10 thread

** Heat resistant plastic gas nozzle



Torch sets LHZ 100-x SATZ/001(/005)(/006)(/008)(/009)(/010)(/011)(/012)(/019)

Supply hose



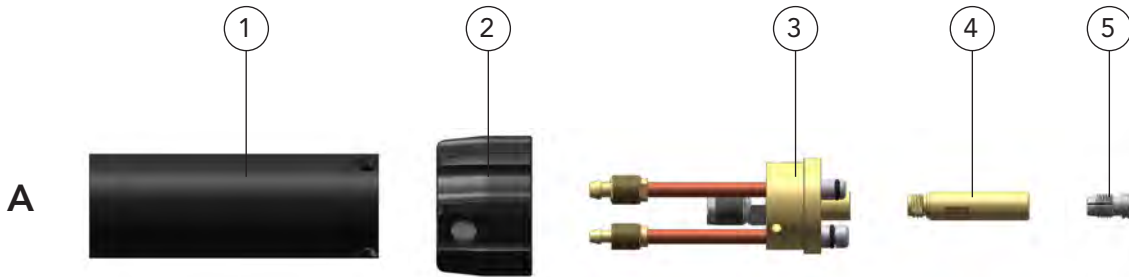
Description	Part name	Part number
A Supply hose	DIX VL 100-__ LHZ/001	63216700-__
1 Water hose red, used as conduit hose	DIX VL 191-__	639196002-__
2 Combi cable	DIX 22-2-303-__	629221-__
3 Gas hose	DIX VL 180-__	639186001-__
4 Water hose blue	DIX VL 190-__	639196001-__
5 Cover hose set	DIX VL 130-__	6392370000-__

-- Here you define the length of the torch set, e.g.: 05 = 0.5 m or 08 = 0.8 m.
Standard lengths: 0.5 m and 0.65 m



Torch sets LHZ 100-x SATZ/001(/005)(/006)(/008)(/009)
(/010)(/011)(/012)(/019)

Plug



Description	Part name	Part number
A Plug	DIX KCZ 100 SATZ LHZ /001	634167019
1 Plug sleeve	DIX LH-SATZ	639125004P
2 Union nut	DIX 11-2 SATZ ÜWM	629111902
3 Plug insert	DIX SATZ 110/001	639116044
4 Connecting piece (MEPTZ)	DIX MEPS 300/500	6390665000
5 Clamping sleeve	DIX SH 270	629270270
M4 x 6 countersunk screw PA Nature, (9 Pcs.) not shown		629900272

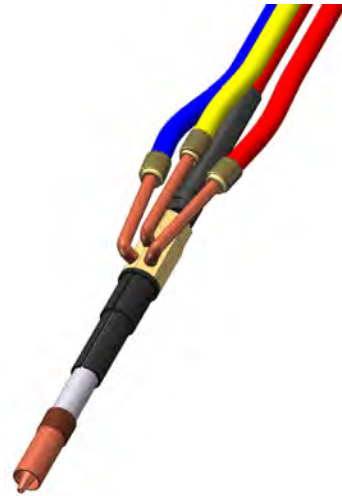


Torch sets liquid cooled DIX LHZ 100-x SATZ/015

1

Properties

- ▶ Flexible supply hose
- ▶ No gas loss due to separate shield gas feed

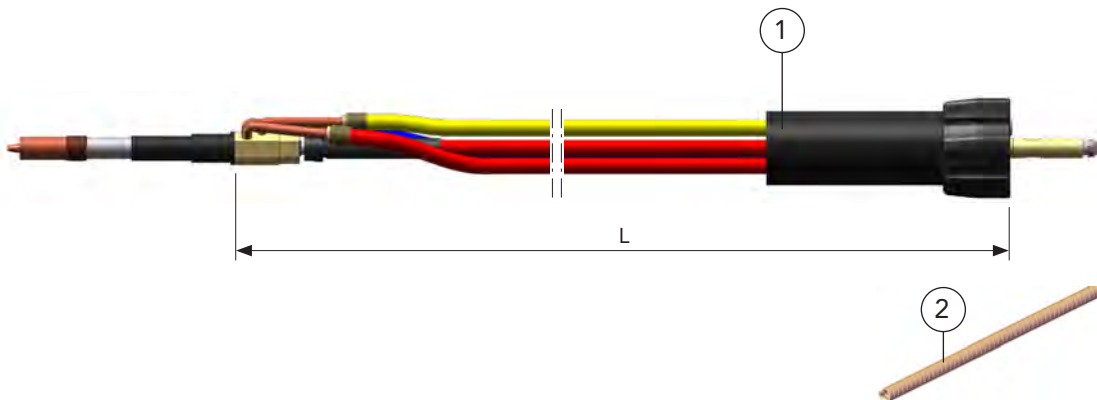


Application

- ▶ Non- and low alloyed steels
- ▶ High alloyed steels
- ▶ Copper alloyed for the MSG brazing
- ▶ Small to medium material thickness

Technical data (DIN EN 60 974-7):

Wire diameter: 0.6 - 1.6 mm



Description	Dimensions	Part name	Part number
1 Torch set with torch head, without cover hose	0.45 m	DIX LHZ 100-0.45 SATZ/015	630167017
Torch set with torch head, without cover hose	0.60 m	DIX LHZ 100-0.6 SATZ/015	630167023
2 Liner	ø 2.2 mm/0.5 m	DIX DS 4/2.2-0.5	623000305
Liner	ø 2.2 mm/1.0 m	DIX DS 4/2.2-1	623000310

Hint:

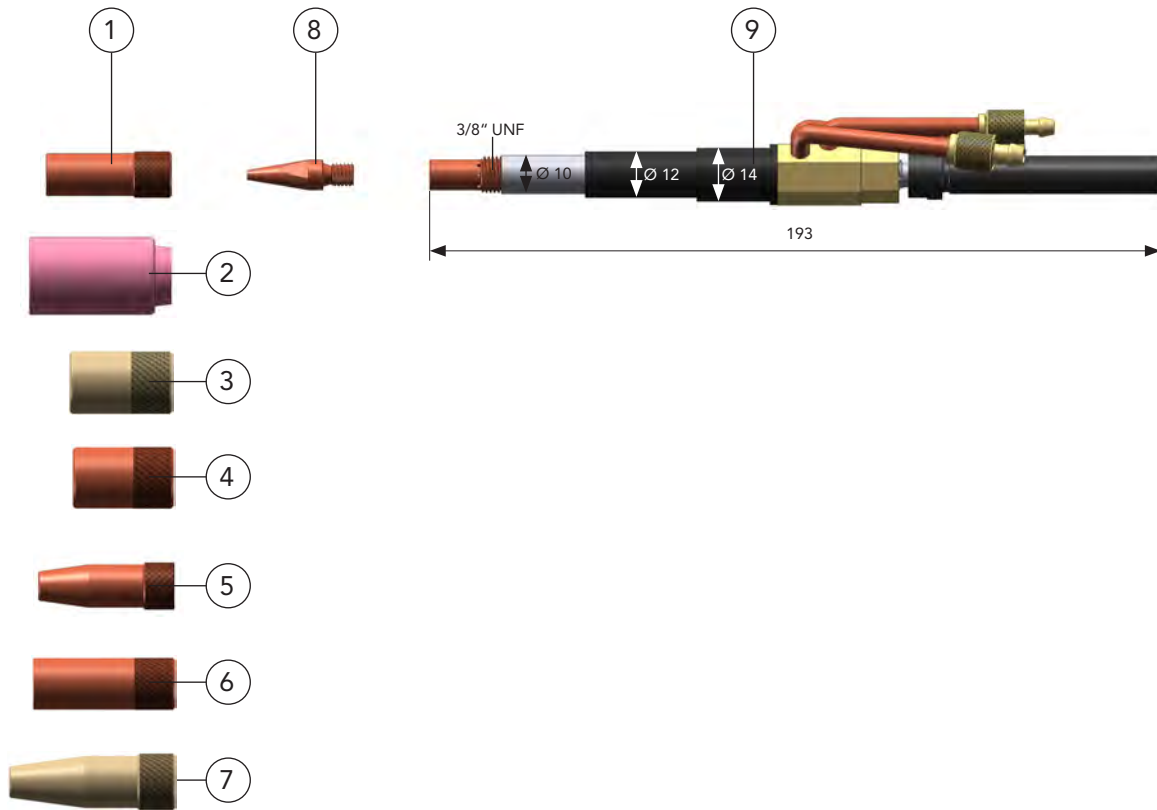
Additional liners, wire guide capillaries and service tools can be found in the chapter TOOLS and ACCESSORIES.

- ▶ Standard equipment for wire diameter 1.0 mm steel:
Contact tip DIX 3-2-1.0 M6 /KAL, gas nozzle DIX 1-2-013 LK



Torch sets LHZ 100-x SATZ/015

Torch head



	Description	Dimensions (mm)	Part name	Part number
1	Gas nozzle	L 33/AD 11/ID 9.5	DIX 1-2-013 LK	629010005
2	Gas nozzle, Ceramic	L 30/AD 16.2/ID 12	DIX 1-2-012 LK	629010004
3	Gas nozzle PEEK*,**	L 20/AD 12/ID 9	DIX 1-2-009 LK	68690100109
4	Gas nozzle*	L 20/AD 12/ID 9	DIX 1-2-010 LK	629010001P
5	Gas nozzle*	L 35/AD 11/ID 5.5	DIX 1-2-011 LK	629010002P
6	Gas nozzle*	L 33/AD 12/ID 9.5	DIX 1-2-014 LK	629010006
7	Gas nozzle PEEK*,**	L 35/AD 11/ID 4.7	DIX 1-2-011/001 LK	629010003
8	Contact tip	wire-Ø 1.0 mm	DIX 3-2-1.0 M6 /KAL	629030033
	Contact tip	wire-Ø 0.6 mm	DIX 3-2-0.6 /KA	P629030NO012
	Contact tip	wire-Ø 0.8 mm	DIX 3-2-0.8 /KA	P629030NO007
	Contact tip	wire-Ø 0.9 mm	DIX 3-2-0.9 /KA	6290300042
	Contact tip	wire-Ø 1.0 mm	DIX 3-2-1.0 /KA	P629030NO004
	Contact tip	wire-Ø 1.2 mm	DIX 3-2-1.2 /KA	P629030NO005
	Contact tip	wire-Ø 1.6 mm	DIX 3-2-1.6 /KA	629030023
9	Torch neck	0°	DIX LHZ 100/015	686950146

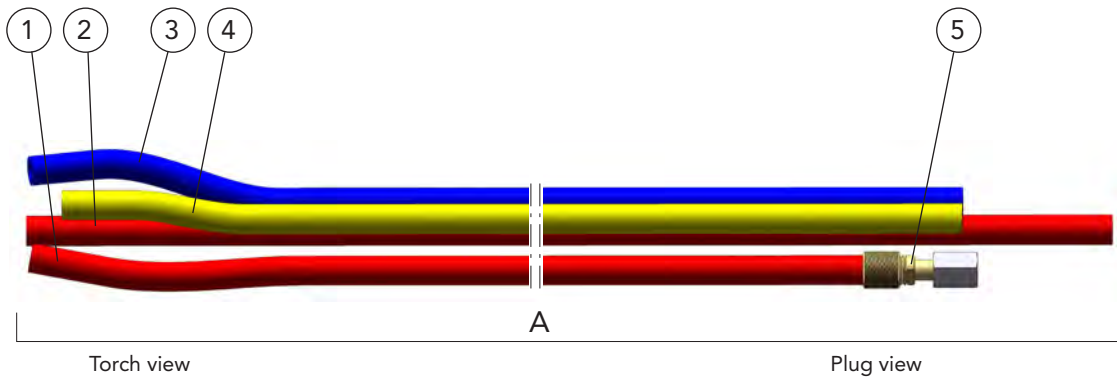
* M10 thread

** Heat resistant plastic gas nozzle



Torch sets LHZ 100-x SATZ/015

Supply hose

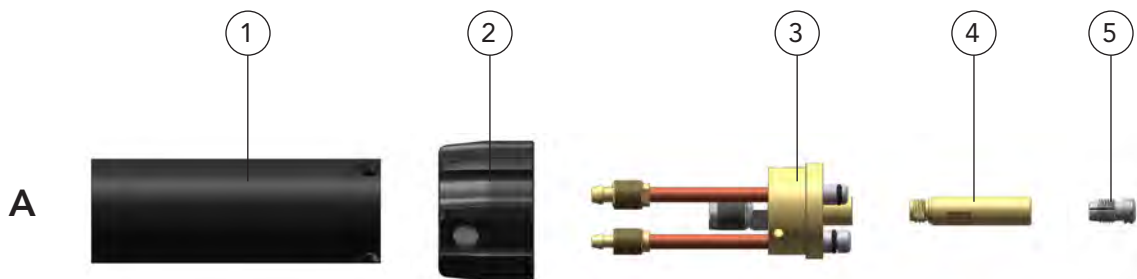


Description	Part name	Part number
A Supply hose	DIX VL 100-_,_-- LHZ/015	63216700__2

1 Water hose red, without adapter "Kombi-VL 190"	DIX VL 191-__	639196002__
2 Water hose red, used as conduit hose	DIX VL 191-__	639196002__
3 Gas hose	DIX VL 180-__	639186001__
4 Water hose blue	DIX VL 190-__	639196001__
5 Adapter Kombi-VL 190 M8 x 1 mm, Ø 6 mm		629221903

-- Here you define the length of the torch set, e.g.: 0.45 = 0.45 m or 0.6 = 0.6 m.
Standard lengths: 0.45 m and 0.6 m

Plug



Description	Part name	Part number
A Plug	DIX KCZ 100 SATZ LHZ /001	634167019

1 Plug sleeve	DIX LH-SATZ	639125004P
2 Union nut	DIX 11-2 SATZ ÜWM	629111902
3 Plug insert	DIX SATZ 110/001	639116044
4 Connecting piece (MEPTZ)	DIX MEPS 300/500	6390665000
5 Clamping sleeve	DIX SH 270	629270270

M4 x 6 countersunk screw PA nature, (9 Pcs.) not shown

629900272



Torch brackets

DIX FHS 45

For robot and automation components LASER



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Properties

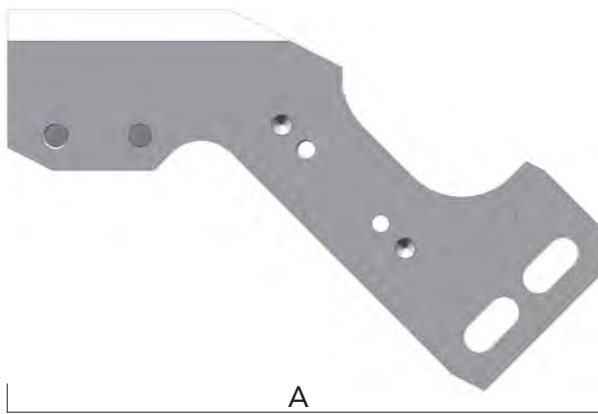
- ▶ Brackets made of aluminium
- ▶ High mechanical strength
- ▶ High dimensional accuracy
- ▶ Low weight
- ▶ Very good corrosion resistance

Application

- ▶ For DINSE torch heads
LH 100 AW(SW)(SB)
- ▶ For DINSE torch sets
LHZ 100-x SATZ(/xxx)



Torch bracket, fixed FHS 45
(Application sample)



Description	Part name	Part number
A Torch bracket, fixed	45° DIX FHS 45	683545000

Hint: Service tools can be found in the chapter TOOLS and ACCESSORIES.

LASER automation



Front drive brackets

DIX FDH 100, DIX FD 100 HA90

For Front drive units FD 10x

Properties

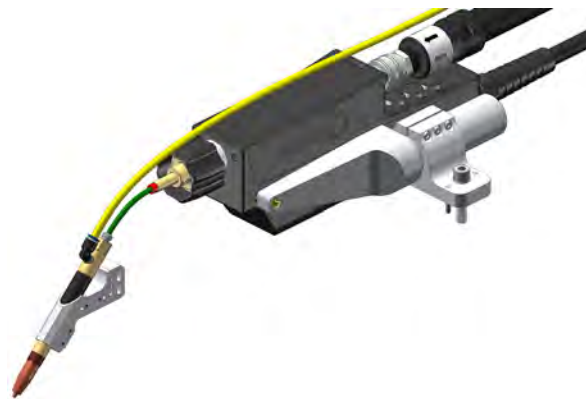
- ▶ Bracket made of high-strength aluminium
- ▶ High mechanical strength
- ▶ High dimensional accuracy
- ▶ Low weight
- ▶ Very good corrosion resistance
- ▶ FD 100 HA90 stepwise reproducible in angle adjustable
- ▶ FDH 100 rotatable and axially adjustable



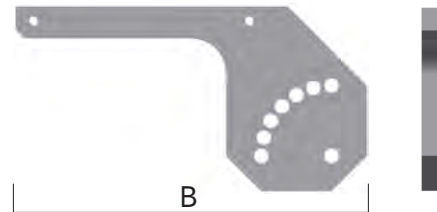
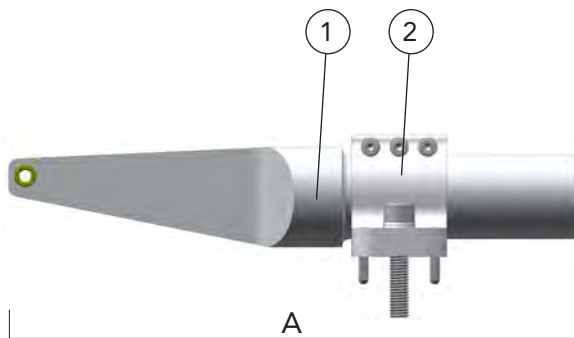
FDH 100 HA90, with FD 100 LS
(Application sample)

Application

- ▶ For DINSE Front drive
DIX FD 100 LS (WB)
DIX FD 101 LS (WB)



FDH 100, with FD 100 LS
(Application sample)



Description	Part name	Part number
A Front drive bracket	DIX FDH 100	683500108
B Front drive bracket	DIX FDH 100 HA90	7430030185
1 Bracket	DIX FH FD100	683530039
2 Retainer	DIX HA FD100	683510116

- ▶ Other front drive brackets on request.

Front drive units

DIX FD 100 LS(-WB)

DIX FD 101 LS(-WB)

For robotic- and automatic applications



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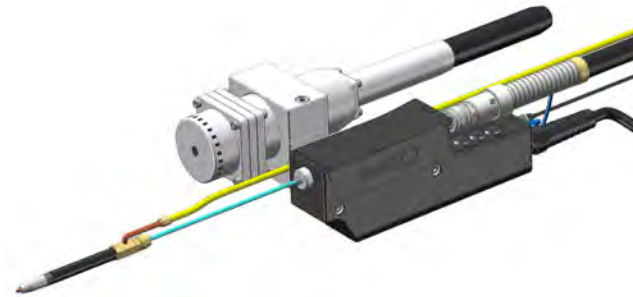
Technical data (IEC 60974-5):	
Drive unit	FD 100 LS
With wire flow sensor	FD 101 LS
Drive unit	FD 100 LS-WB
With wire flow sensor and wire brake	FD 101 LS-WB
Wire feed speed:	0.4 - 24 m/min 0.3 - 7 m/min (FD 101)
Wire diameter:	∅ 0.4 - 1.6 mm
Dimension (L/W/H):	270/58/1055 mm
Weight:	approx. 1.95 kg



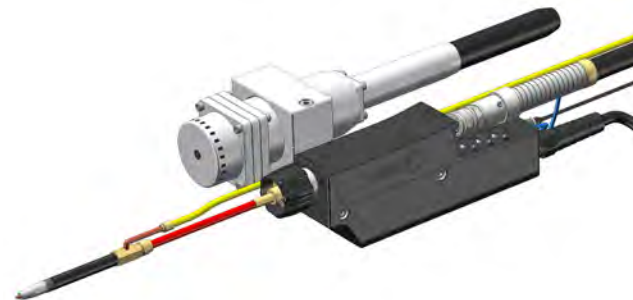
Drive unit DIX FD100 LS (-WB)

Advantage

- ▶ Wire feeder system with powerful drive unit
- ▶ Solid and compact construction
- ▶ Powerful 4-roll drive
- ▶ Low weight
- ▶ Two different variants available:
 - with integrated wire flow sensor
 - with integrated wire flow sensor and wire brake
- ▶ Quickly change of the spare and wear parts
- ▶ For hot wire applications available with water- set
- ▶ Drive unit with connection for torch necks or torch sets



Drive unit with torch head, capillary liner and Supra Feed plus, application sample - cold wire



Drive unit with torch head, rotatable wire guide and Supra Feed plus, application sample - cold wire

Properties

- ▶ For PUSH-PULL or PUSH-PUSH mode
- ▶ Applications at thin and kink-sensitive wire electrodes
- ▶ Constant wire feeding for long distances
- ▶ Special contour of the profile roll for aluminum welding



Drive unit with torch head, water set and Supra Feed application sample - hot wire

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Front drive units

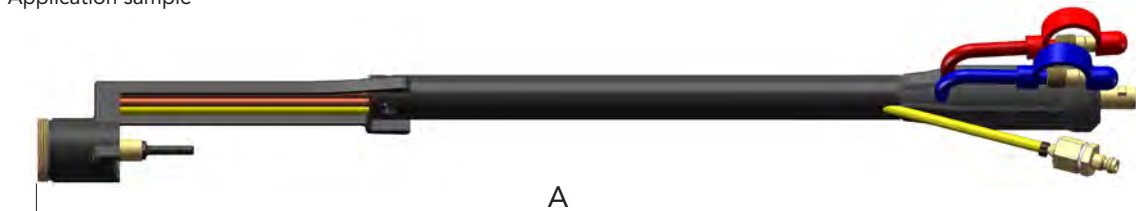
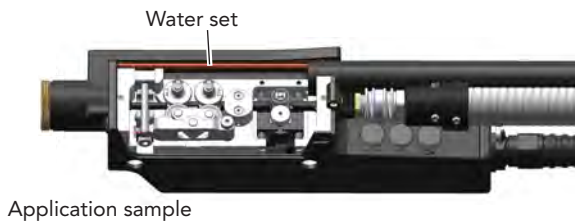
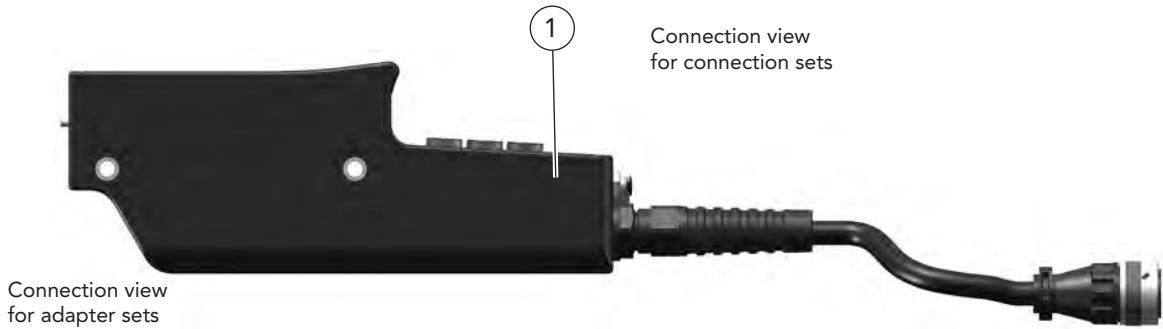
DIX FD 100 LS(-WB)

DIX FD 101 LS(-WB)

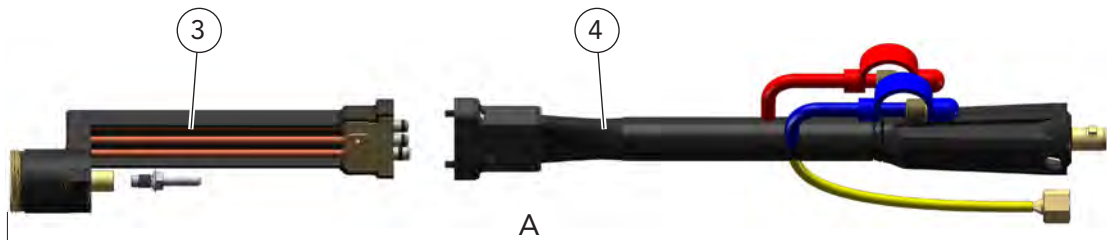
For robotic- and automatic applications

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Connection view for torch necks or torch sets



Connection view for torch necks or torch sets

	Description	Part name	Part number
1	Drive unit, with wire flow sensor	DIX FD100 LS	7430030003
	Drive unit, with wire flow sensor	DIX FD101 LS	7430030005
	Drive unit, with wire flow sensor and wire brake	DIX FD100 LS-WB	7430030004
	Drive unit, with wire flow sensor and wire brake	DIX FD101 LS-WB	7430030142
▶	Variants deviating of the standard fittings on request.		
	Accessories:		
2	Water set non separable, 5 m	DIX FD100 WS-5	7430030138
	Water set non separable, 7 m	DIX FD100 WS-7	7430030135
A	Water set separable, existing of adapter set and torch set		
3	Adapter set	DIX FD100 AST-HW	7430030264
4	Torch set	DIX FD100 WAST-16	7430033000

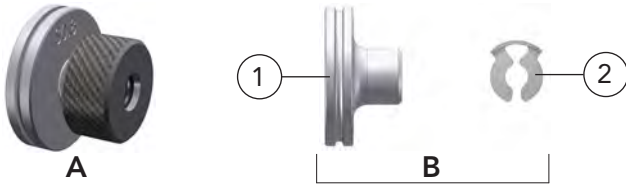
▶ Other lengths on request.
Variants deviating of the accessories on request.



Accessories

Drive unit FD 100 LS(-WB), FD 101 LS(-WB)

Profile roll sets



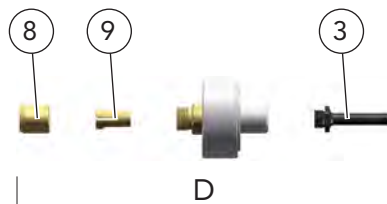
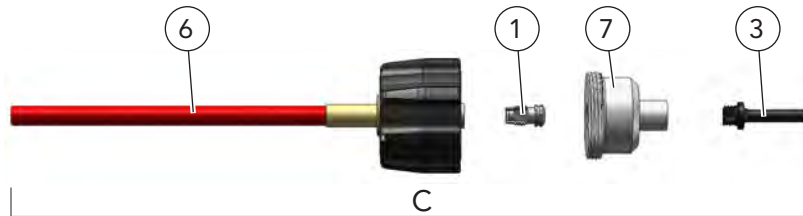
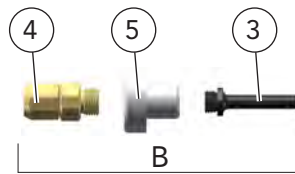
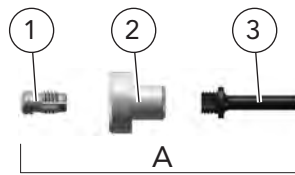
Optionally use the proven profile rolls with KL - safeguard or the profile rolls with a captive locknut for tool-free change of the profile rolls.
The profile rolls are fully compatible

Description	Dimension	Part name	Part number
A Profile roll sets with locknuts for welding wire steel: All sets are equipped with two profile rolls and two captive locknuts.			
Profile roll sets	Draht- \varnothing 0,4 mm	DIX FD RSL-04 S	7430030305
Profile roll sets	Draht- \varnothing 0,6 mm	DIX FD RSL-06 S	7430030297
Profile roll sets	Draht- \varnothing 0,8 mm	DIX FD RSL-08 S	7430030195
Profile roll sets	Draht- \varnothing 1,0 mm	DIX FD RSL-10 S	7430030196
Profile roll sets	Draht- \varnothing 1,2 mm	DIX FD RSL-12 S	7430030197
Profile roll sets	Draht- \varnothing 1,6 mm	DIX FD RSL-16 S	7430030198
B Profile roll set for welding wire steel: All sets are equipped with two profile rolls and four KL - safeguard.			
Profile roll sets	Draht- \varnothing 0,4 mm	DIX FD100 RS-04 S	7430030184
Profile roll sets	Draht- \varnothing 0,6 mm	DIX FD100 RS-06 S	7430030122
Profile roll sets	Draht- \varnothing 0,8 mm	DIX FD100 RS-08 S	7430030098
Profile roll sets	Draht- \varnothing 1,0 mm	DIX FD100 RS-10 S	7430030091
Profile roll sets	Draht- \varnothing 1,2 mm	DIX FD100 RS-12 S	7430030092
Profile roll sets	Draht- \varnothing 1,6 mm	DIX FD100 RS-16 S	7430030099
1 Profile roll	Draht- \varnothing 0,4 mm	DIX FD100 WFR-04 S	7430030183
Profile roll	Draht- \varnothing 0,6 mm	DIX FD100 WFR-06 S	7430030075
Profile roll	Draht- \varnothing 0,8 mm	DIX FD100 WFR-08 S	7430030072
Profile roll	Draht- \varnothing 1,0 mm	DIX FD100 WFR-10 S	7430030070
Profile roll	Draht- \varnothing 1,2 mm	DIX FD100 WFR-12 S	7430030071
Profile roll	Draht- \varnothing 1,6 mm	DIX FD100 WFR-16 S	7430030073
2 KL - safeguard	VPE 10 pcs.	DIX FD100 WFR-C	7430030095
A Profile roll sets with locknuts for welding wire aluminum alloys: All sets are equipped with two profile rolls and two captive locknuts.			
Profile roll sets	Draht- \varnothing 0,4 mm	DIX FD RSL-04 A	7430030303
Profile roll sets	Draht- \varnothing 0,6 mm	DIX FD RSL-06 A	7430030302
Profile roll sets	Draht- \varnothing 0,8 mm	DIX FD RSL-08 A	7430030199
Profile roll sets	Draht- \varnothing 1,0 mm	DIX FD RSL-10 A	7430030200
Profile roll sets	Draht- \varnothing 1,2 mm	DIX FD RSL-12 A	7430030201
Profile roll sets	Draht- \varnothing 1,6 mm	DIX FD RSL-16 A	7430030202
B Profile roll set for welding wire aluminum alloys: All sets are equipped with two profile rolls and four KL - safeguard.			
Profile roll sets	Draht- \varnothing 0,4 mm	DIX FD100 RS-04 A	7430030288
Profile roll sets	Draht- \varnothing 0,6 mm	DIX FD100 RS-06 A	7430030286
Profile roll sets	Draht- \varnothing 0,8 mm	DIX FD100 RS-08 A	7430030096
Profile roll sets	Draht- \varnothing 1,0 mm	DIX FD100 RS-10 A	7430030093
Profile roll sets	Draht- \varnothing 1,2 mm	DIX FD100 RS-12 A	7430030094
Profile roll sets	Draht- \varnothing 1,6 mm	DIX FD100 RS-16 A	7430030097
1 Profile roll	Draht- \varnothing 0,4 mm	DIX FD100 WFR-04 A	7430030289
Profile roll	Draht- \varnothing 0,6 mm	DIX FD100 WFR-06 A	7430030287
Profile roll	Draht- \varnothing 0,8 mm	DIX FD100 WFR-08 A	7430030082
Profile roll	Draht- \varnothing 1,0 mm	DIX FD100 WFR-10 A	7430030080
Profile roll	Draht- \varnothing 1,2 mm	DIX FD100 WFR-12 A	7430030081
Profile roll	Draht- \varnothing 1,6 mm	DIX FD100 WFR-16 A	7430030083
2 KL - safeguard	VPE 10 pcs.	DIX FD100 WFR-C	7430030095

► Other diameters on request.

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Description	Part name	Part number
A Adapter set, for capillary liner	DIX FD100 AS	7430030047
B Adapter set, for capillary liner	DIX FD100 AS H	7430030262
C Adapter set	DIX FD100 AS-CW	7430030050
D Adapter set	DIX FD100 AS-CD	7430030309
1 Clamp sleeve	DIX SH 270	629270270
2 Adapter	DIX FD100 A-CS	7430030048
3 Wire guide	DIX FD100 WG-AS	7430030049
4 Adapter	DIX AD 101 SW	686950172
5 Adapter	DIX FD100 A-CS G1/8	7430030215
6 Wire guide, complete	DIX FD100 CW	7430030052
7 Adapter	DIX FD100 A-CW	7430030053
8 Clamp nut	DIX 28-2 SA	629280040
9 liner support 4.0 /up to 1.2		629900092

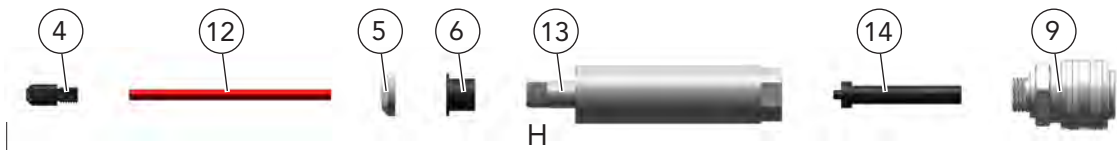
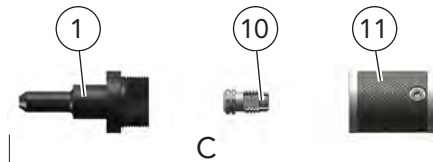
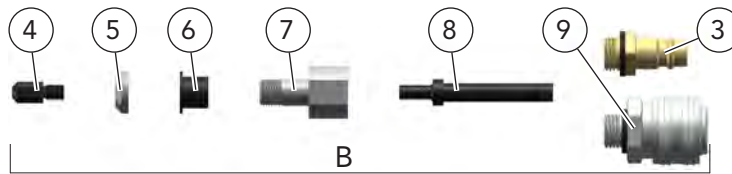
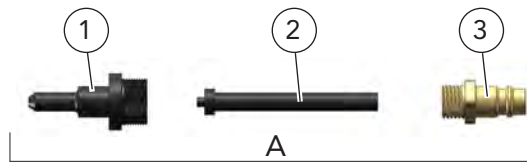
► Variants deviating of the asseccories on request.



Accessories

Drive unit FD 100 LS(-WB), FD 101 LS(-WB)

Adapter sets, Connection sets



Description	Dimension	Part name	Part number
A Adapter set		DIX FD100 AS-CW	7430030050
B Connection set, reinforced design, for Suprafeed and Supraliner		DIX FD100 CS-S	7430030312
C Connection set, for conduit hose		DIX FD100 CS-CH	7430030059
D Connection set, for XL-Rolliner®		DIX FD100 CS-XL	7430030151
1 Wire guide		DIX FD100 WG-PN	7430030061
2 Wire guide		DIX FD100 WG-SF	7430030062
3 Coupler plug, G 1/4 AG		DIX FD100 PN	719261280
4 Wire guide		DIX FD100 WG-XF	7430030154
5 Lock nut		DIX FD100 LN-XL	7430030153
6 ISO - sleeve		DIX FD100 IS-XL	7430030155
7 Adapter		DIX FD100 C-S	7430030314
8 Wire guide		DIX FD100 WG-S	7430030313
9 Coupler socket, G 1/4 AG		DIX FD100 SO	629201403
10 Clamp sleeve		DIX SH 270	629270270
11 Connection coupler		DIX FD100 CS-R	7430030067
12 Capillary liner	78 mm	DIX DSK 3-0,078	62300250078
13 Adapter		DIX FD100 C-XL	7430030152
14 Wire guide		DIX FD100 WG-XR	7430030156

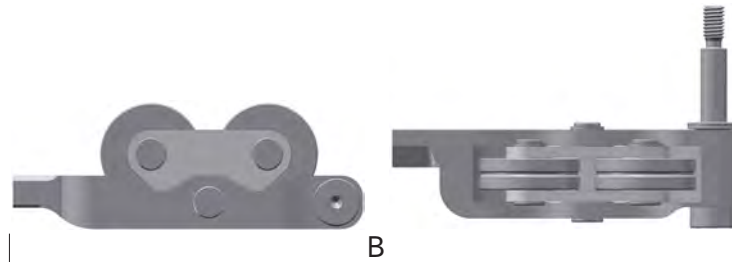
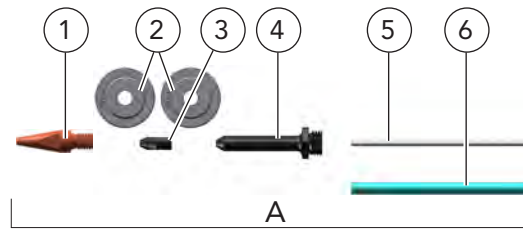
► Variants deviating of the asseccories on request.

XL-Rolliner® is the registered name of MIGAL.CO GmbH.



Accessories

Drive unit FD 100 LS(-WB), FD 101 LS(-WB) Retro fitting set, pressure systems



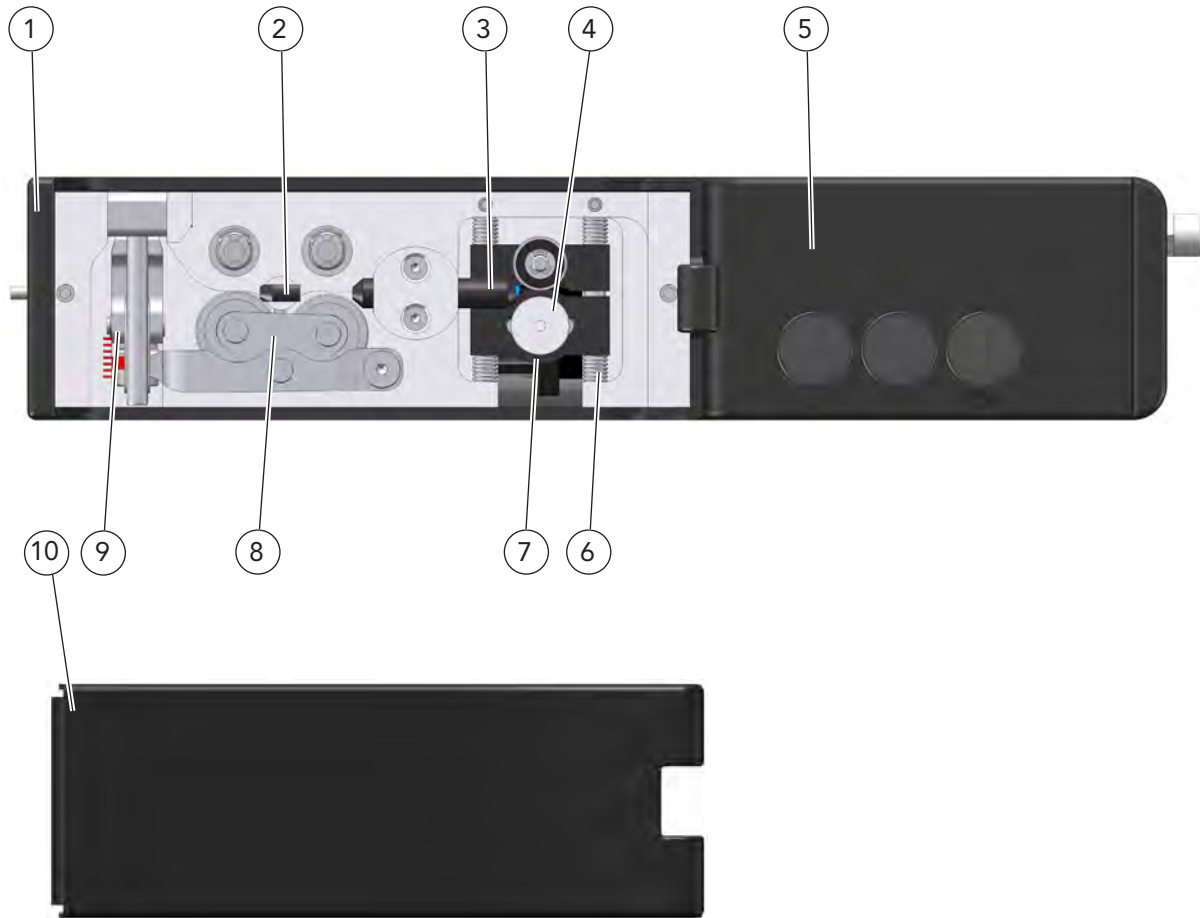
Description	Dimension	Part name	Part number
A Retro fitting set, for wire feeding of welding wire with wire-Ø 0.4 mm, cutting length of the PTFE-hose and the capillary liner is 2.5 m		DIX FD100 WG-RT 04S	7430030296
B Pressure system, with contoured pressure rolls for aluminium welding wires wire-Ø 1,0 mm		DIX FD100 PS A 1,0	7430030294
Pressure system, with contoured pressure rolls for aluminium welding wires wire-Ø 1,2 mm		DIX FD100 PS A 1,2	7430030292
Pressure system, with contoured pressure rolls for aluminium welding wires wire-Ø 1,6 mm		DIX FD100 PS A 1,6	7430030290
1 Contact tip		DIX 3-2-0.4 /KD	629030067
2 Profil roll kpl.		DIX FD WFRL-04S	7430030299
3 Wire guide		DIX FD100 WG-PS 04	7430030209
4 Wire guide		DIX FD100 WG-AS 04	7430030210
5 Fluidflon PTFE-hose, ID 0,5 mm, OD 1,6 mm, package = 25 m			7430030208
6 Capillary liner		DIX DSK 2- 2,5	623002025

► Variants deviating of the asseccories on request.

XL-Rolliner is the registered name of MIGAL.CO GmbH.

Spare and wear parts

Drive unit FD 100 LS, FD 101 LS With wire flow sensor

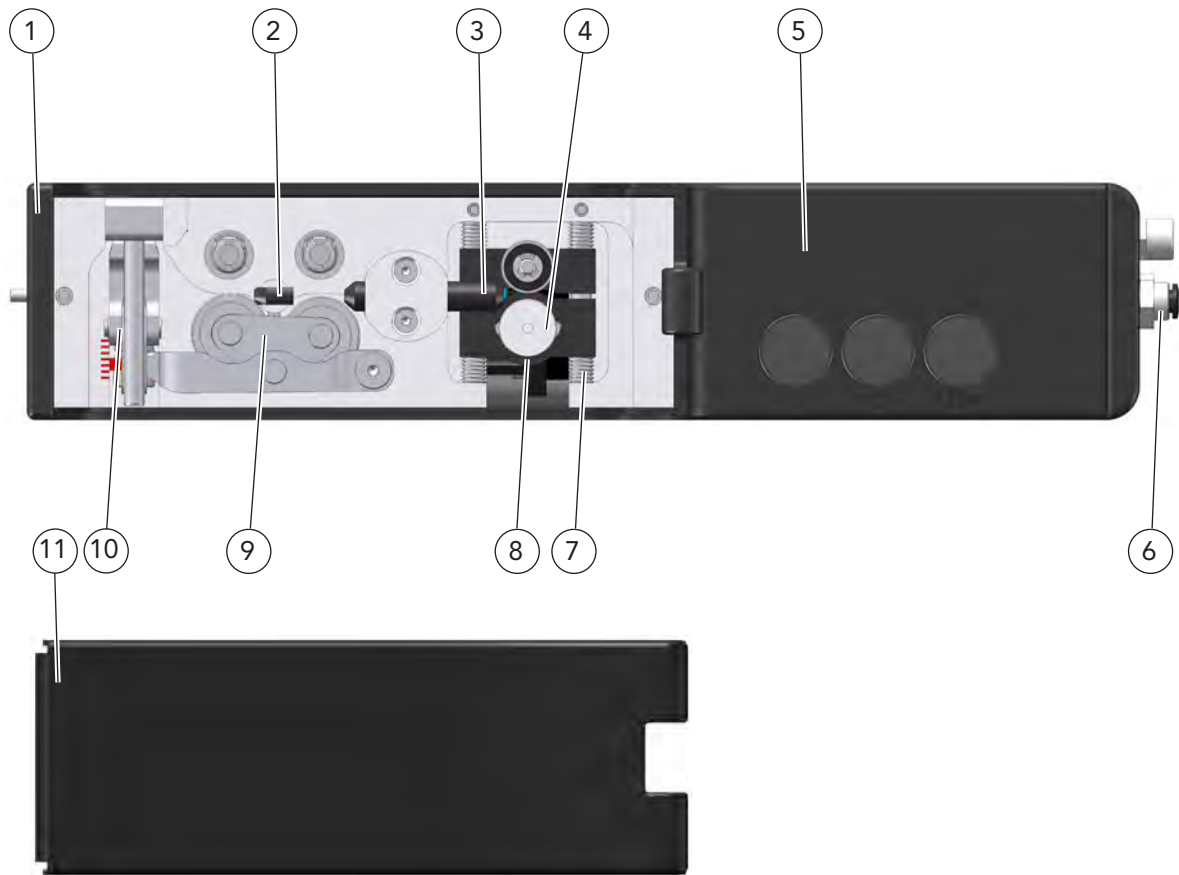


LASER automation

Description	Part name	Part number
1 Cover cap	DIX FD100 CC	7430030038
2 Wire guide	DIX FD100 WG-PS	7430030015
3 Wire guide	DIX FD100 WG-WB	7430030014
4 Measuring wheel set, with rubberized measuring wheel, installed as standard	DIX FD100 MW-S	7430030066
Measuring wheel set VA, VA steel measuring wheel, not rubberized	DIX FD100 MW-S-VA	7430030318
5 Motor cover complete	DIX FD100 MC	7430030039
6 Pressure spring (4 pcs. needed)	DIX FD100 FS-S	7430030046
7 Encoder	DIX FD100 GS	7430030044
8 Pressure system	DIX FD100 PS	7430030026
9 Tension unit	DIX FD100 TU	7430030019
10 Cover	DIX FD100 CL	7430030037
Counter sunk screw, M3x5, Material: PA66/black, not shown	DIX FD100 CS	7430030115
Pressure spring, not shown	DIX FD100 TU-S	7430030025
Mounting set, not shown	DIX FD100 MS	7430030016
Cable hose, not shown	DIX FD100 CH	7430030035



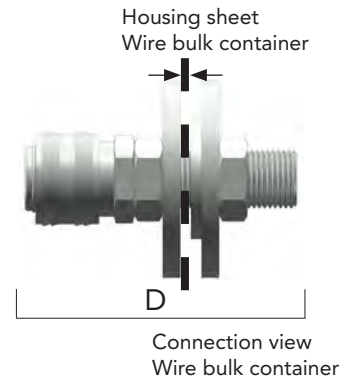
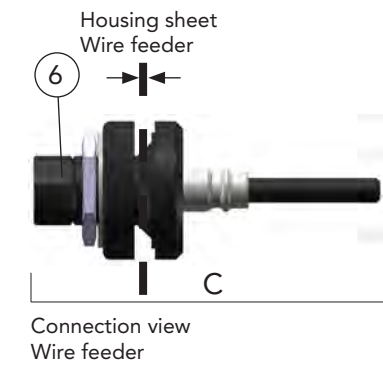
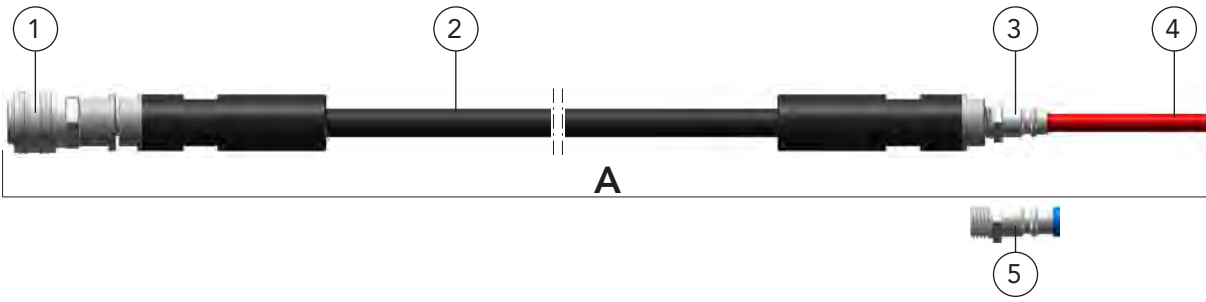
Drive unit FD 100 LS-WB, FD 101 LS-WB with wire flow sensor and wire brake



	Description	Part name	Part number
1	Cover cap	DIX FD100 CC	7430030038
2	Wire guide	DIX FD100 WG-PS	7430030015
3	Wire guide	DIX FD100 WG-WB	7430030014
4	Measuring wheel set, with rubberized measuring wheel, installed as standard	DIX FD100 MW-S	7430030066
	Measuring wheel set VA, VA steel measuring wheel, not rubberized	DIX FD100 MW-S-VA	7430030318
5	Motor cover complete	DIX FD100 MC	7430030039
6	Bulk head fitting	DIX FD100 BF	7430030116
7	Pressure spring (4 pcs. needed)	DIX FD100 FS-S	7430030046
8	Encoder	DIX FD100 GS	7430030044
9	Pressure system	DIX FD100 PS	7430030026
10	Tension unit	DIX FD100 TU	7430030019
11	Cover	DIX FD100 CL	7430030037
	Counter sunk screw, M3x5, Material: PA66/black, not shown	DIX FD100 CS	7430030115
	Pressure spring, not shown	DIX FD100 TU-S	7430030025
	Mounting set, not shown	DIX FD100 MS	7430030016
	Cable hose, not shown	DIX FD100 CH	7430030035
	Wire break valve set, not shown Control of the wire break	DIX FD100 VS	7430030065



Quick release system DIX WDX 108 for robotic- and automatic applications



Description	Part name	Part number
A Quick release system	DIX WDX 108-__	7381200__
Options:		
C Connection, for wire feeder	DIX WDX 109 WD 300	738131003
D Connection, for wire bulk container	DIX WB-CS	738100011
Spare and wear parts:		
1 Coupling socket, G1/4 AG	DIX FD100 SO	629201403
2 Conduit hose schwarz, 100 m, By the meter please specify the length of the quick release system when ordering	DIX 20-9/12	629205012
3 Coupling plug, G1/4	DIX WDX 108 CP	738100020
4 Conduit hose red, 100 m, By the meter please specify the length of the quick release system when ordering	DIX 20-2-303 ROT	629205302
5 Coupling socket, G1/4, optional for pos. 3, then the conduit hose pos. 4 must be shortened to the stop at pos. 5	DIX WDX 108 CPL	738100022
6 Intake spout	DIX WDX 109 ELT	738131002

-- Please specify the length of the quick release system when ordering.



LASER automation



Wire feed system Supraliner DIX VLSL 201 for robotic-, automatic- and laser applications

Technical data:	
Supraliner	VLSL 201
Wire diameter:	ø 0.8-1.6 mm
Outside diameter:	ø 37 mm
Minimum bending radius:	150 mm
Allowed distortion:	180°/meter

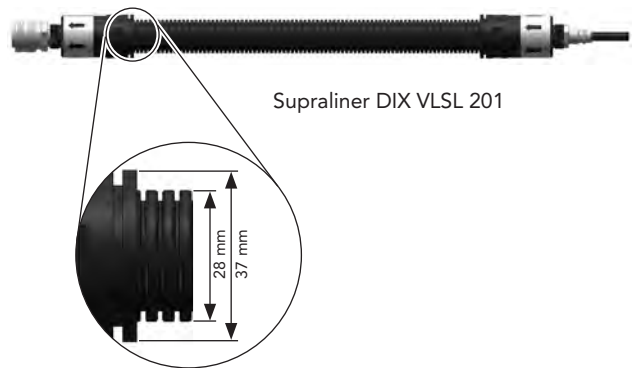
Advantage

- ▶ Perfect for high dynamic movements
- ▶ No abrasion due to extremely small forces to the welding wire
- ▶ Low maintenance
- ▶ Without any sliding friction
- ▶ 90° shifted rolls guides the wire
- ▶ Allowed bending radius is 150 mm
- ▶ Low weight

- ▶ Options:
Connecting sets WDX 109 WD 300 for wire feeder and connecting set WB-SC for wire bulk container
- ▶ Connection to drive unit
FD 100 LS-(WB) (connecting set FD 100 CS-SF)

Application

- ▶ Support of welding wires
- ▶ Connection from wire bulk container to the wire feeder
- ▶ Connection from wire bulk container to the welding torch
- ▶ Connection from wire feeder to the welding torch



Supraliner DIX VLSL 201



Supraliner, drive unit with torch head, rotatable wire guide, application sample - Laser



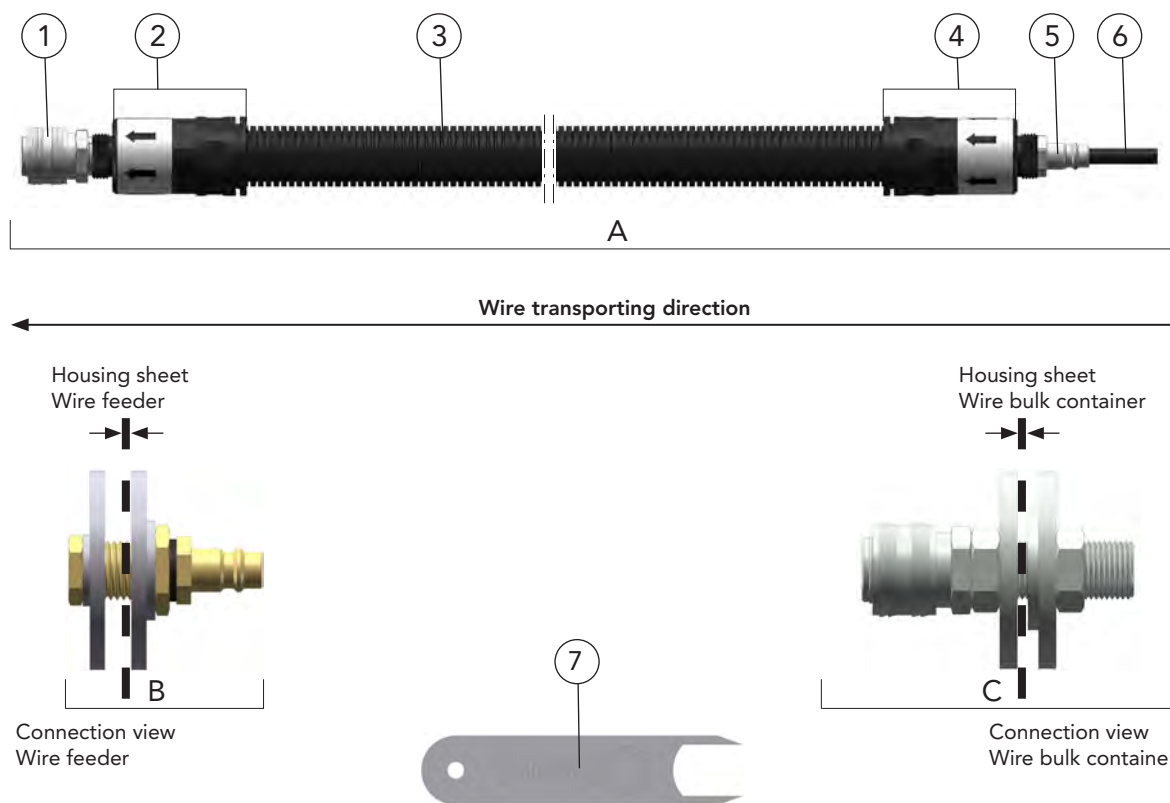
Supraliner, drive unit with torch head and water set application sample - Laser



Supraliner, wire feeder and wire bulk container application sample - Laser



Wire feed system Supraliner for robotic-, automatic- and laser applications



Description	Dimension ID/length	Part name	Part number
A Supraliner		DIX VLSL 201-__	6292140__ 0
▶ Other lengths on request.			
Options:			
B Connection set For wire feeder		DIX SF-DV	629201407
C Connection set wire bulk container For wire bulk container		DIX WB-CS	738100011
Spare and wear parts:			
1 Coupling socket, G 1/4 AG		DIX FD100 SO	629201403
2 Wire outlet		DIX WGO 201	629214002
3 Cover hose		DIX VLSL 230-__	6292320__
4 Wire inlet		DIX WGI 201	629214003
5 Coupling plug, G 1/4 AG		DIX FD100 PN	719261280
6 Wire guide	ø 10 mm / 68 mm	DIX FD 100 WG-SF	7430030062
7 VLSL Separating tool 3G for Supraliner			629214004
Supraliner, not shown Without Pos. 2, 3, and 4	ø 1.6 mm / 25 m	DIX VLSL 202	629214000

-- In case of order enter the desired length, e.g.: 10 = 1.0 m or 20 = 20.0 m.
Standard lengths: 1.0 m, 4.0 m, 7.0 m, 8.0 m, 10.0 m, 20.0 m and 22.0 m

Wire feeders

DIX WD 300 FD

For robot and automation applications

LASER

Technical data (IEC 60974-5):	
Wire feeder	DIX WD 300 FD DIX WD 300 FD LINKS
Wire feed speed	0 - 24 m/min
Wire diameter	0.8 - 1.6 mm
Line voltage	42V/50Hz
Protection class	IP 23
Dimension (L/W/H)	275/220/250 mm
Weight	approx. 7.2 kg
Spool holder (optional)	DIX WDS 200 DIX WDS 300 (LINKS)

Options according to range of application



Model for supportive PUSH operation

Properties

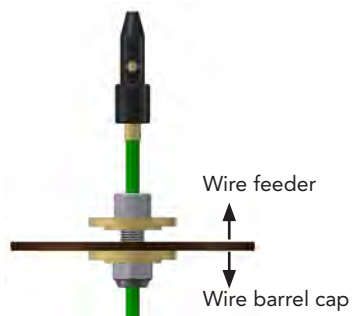
- ▶ Supportive PUSH operation for wire feeding through long distances
- ▶ PUSH-PUSH principle in combination with DINSE – welding torches with integrated speed regulated motor
- ▶ Torque controlled motor with adjustable maximum torque (feed power) prevents the filler wire from snapping
- ▶ Exact wire feeding independent of twisting, bending and torch set length
- ▶ Light, robust and fully insulated through plastic housing



Model - Laser – with DIX WDS 300 (PUSH-PUSH operation)

Application

- ▶ Solid and flux-cored wires
- ▶ Non- and low alloyed steels
- ▶ High alloyed steels
- ▶ Aluminum-, magnesium-, copper- and nickel alloys



Optional DFS-connection marathon DIX 36-2 to the connection between wire feeder DIX WD 300 and wire barrel cap application sample



Model with wire barrel respectively for PUSH-PUSH operation

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Wire feeders

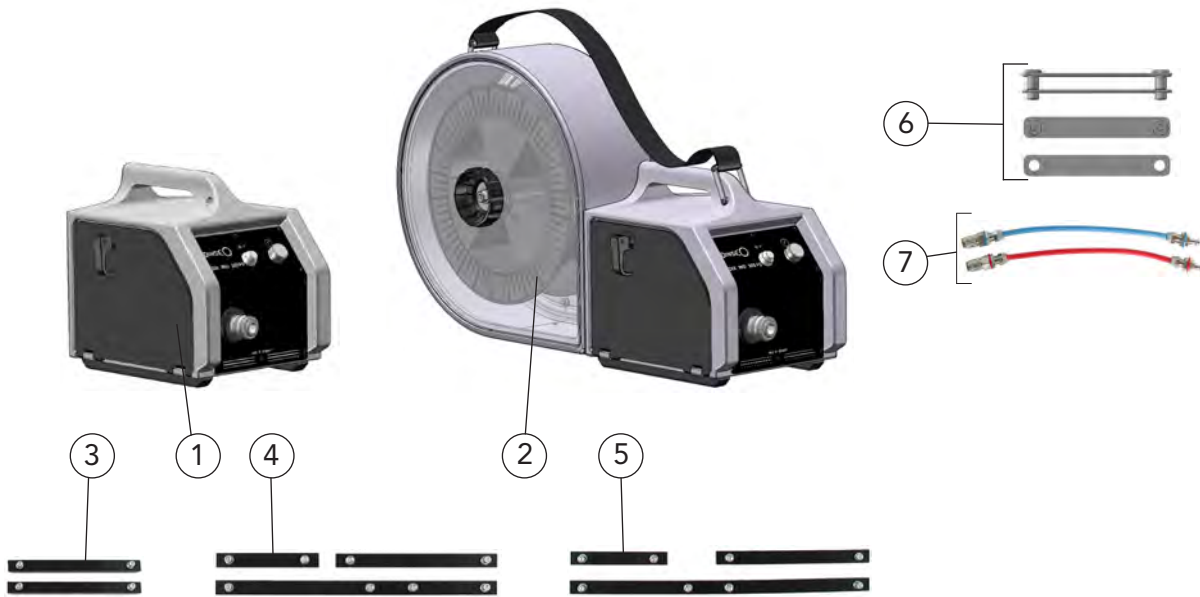
DIX WD 300 FD

For robot and automation applications

LASER



1



Description	Part name	Part number
1 Wire feeder, without drive roll*	DIX WD 300 FD	745030000
Wire feeder left, without drive roll*	DIX WD 300 FD LINKS	745030002
2 Spool holder	DIX WDS 200	730520000
Spool holder	DIX WDS 300	730530000
Spool holder, left version	DIX WDS 300 LINKS	730530001
Options:		
3 Slide bar set For wire feeder DIX WD 300	DIX WDG 100	738030000
4 Slide bar set For wire feeder DIX WD 300 with spool holder DIX WDS 200	DIX WDG 200	738035200
5 Slide bar set For wire feeder DIX WD 300 with spool holder DIX WDS 300	DIX WDG 300	738035300
6 Connection set For connecting DIX WD 300 with DIX WDS 200/300	DIX WDV 100	738010000
7 Water set For liquid cooled model	DIX WDW 100	738040000
DFS-connection for marathon, not shown	DIX 36-2	718250001

* Each wire diameter requires its own drive roll.
Part names and part numbers of the drive rolls are given in the Spare and wear parts lists (Seite 63).

► All sets available ready-installed on request (specify when placing an order).
Other fittings on request.

Hint:

Liners, capillary liners and service tools you will find in Chapter TOOLS and ACCESSORIES.

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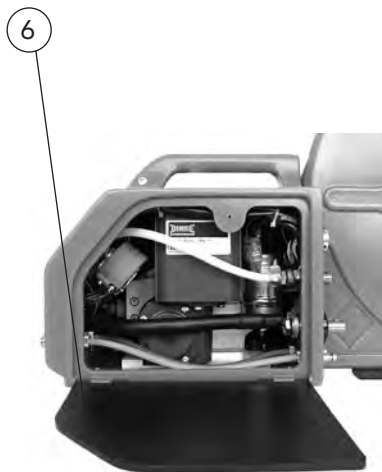
Wire feeder WD 300

1

LASER automation



Drive view



Electronic view



Description	Part name	Part number
1 Cover plate catch	DIX WD-13-400	739130000
2 Sealing cap	DIX DV-32 DK	719329000
3 Potentiometer fixing	DIX DV-WS-005/2	71814000510
4 Cover (drive)	DIX WD-11-A	739110000
5 Screw, 2 pcs.	DIX DV-17-4000	719174000
6 Cover (electronic)	DIX WD-11-E	739110100
7 Coupling socket	DIX WDX 103	738100004
8 Scale	DIX DV-01 P	P719010DA001



Spare and wear parts

Wire feeder WD 300 Drive rolls, Drive, Wiring set

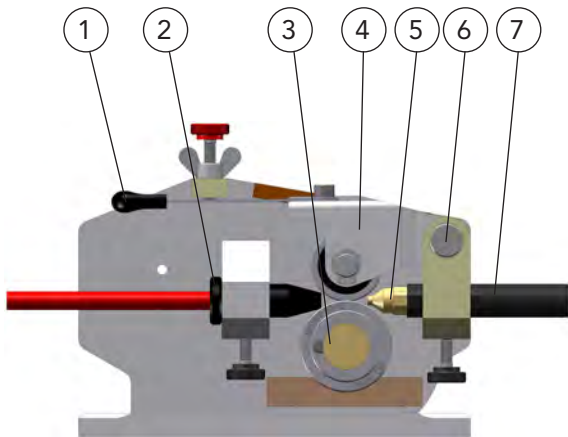


1



Description	Dimension	Part name	Part number
Type of application for steel wire electrodes:			
Drive roll	Wire \varnothing 0.8 mm	DIX DV-04-08/08 T	719042080
Drive roll	Wire \varnothing 1.0 mm	DIX DV-04-10/10 T	719042100
Drive roll	Wire \varnothing 1.2 mm	DIX DV-04-12/12 T	719042120
Drive roll	Wire \varnothing 1.6 mm	DIX DV-04-16/16 T	719042160
Type of application for aluminum alloy wire electrodes:			
Drive roll	Wire \varnothing 0.8 mm	DIX DV-04-08/08 A	719041080
Drive roll	Wire \varnothing 1.0 mm	DIX DV-04-10/10 A	719041100
Drive roll	Wire \varnothing 1.2 mm	DIX DV-04-12/12 A	719041120
Drive roll	Wire \varnothing 1.6 mm	DIX DV-04-16/16 A	719041160

► Each wire diameter requires its own drive roll. Other diameters on request.



2 rolls drive

Description	Part name	Part number
1 Spring plate	DIX DV-06 F	71906030013
2 Intake spout	DIX 36-2 WDET	629363005
3 Holding screw, for drive roll	DIX DV-05 S	719050400
4 Pressure shackle, compl.	DIX DV-06 P	719060300
5 Intake nozzle	DIX RET 301	639151003
6 Steering pivot pin	DIX DV-07 S	719070400
7 Adapter	DIX WDX 103 A	738100002

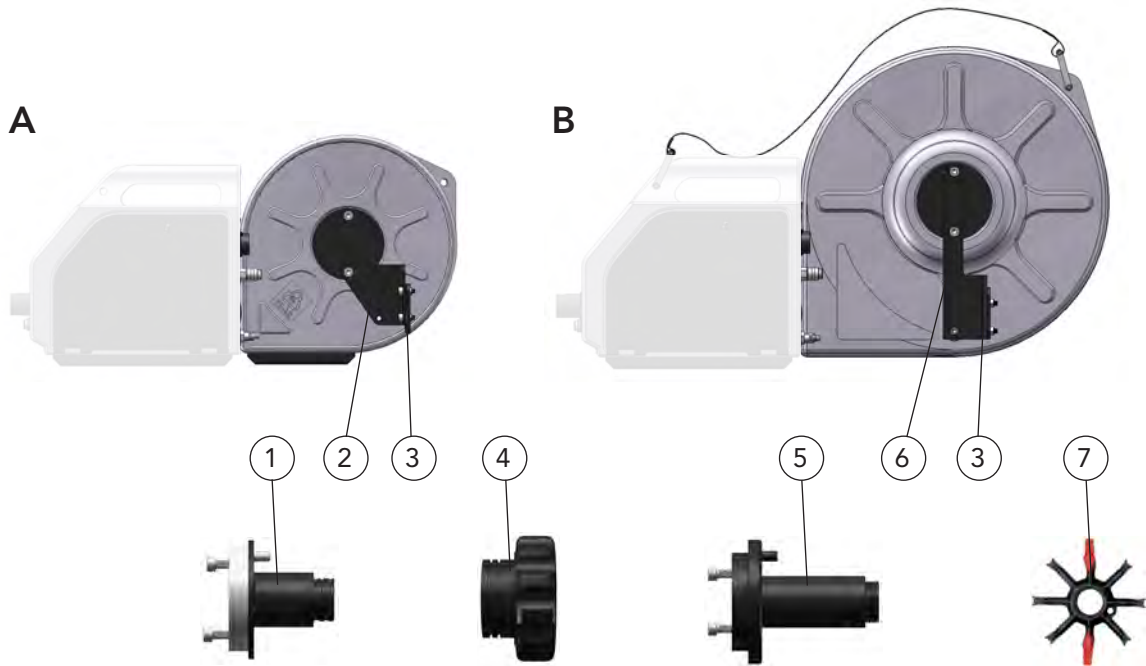
LASER automation



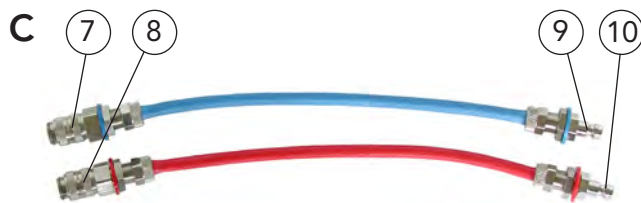
Spare and wear parts

Wire feeder WD 300

Spool holder, Water set, Carry strap set



Description	Part name	Part number
A Spool holder, right version	DIX WDS 200	730520000
B Spool holder, right version	DIX WDS 300	730530000
Spool holder, left version	DIX WDS 300 LINKS	730530001
1 Spool mandrel (WDS 200)	DIX WDS-19-200	739190020
2 ZS - support	DIX WDS-23-120	739230120
3 ZS - supporting plate	DIX WDS-23-200	739230200
4 Spool nut For DIX WDS 200(300)	DIX DV-24-2400	719242400
5 Spool mandrel (WDS 300)	DIX WDS-19-300	739190030
6 ZS - support	DIX WDS-23-130	739230130
7 Coil adapter	DIX DV-KA	718500100
Spool holder cover Transparent, DIX WDS 200, not shown	DIX WDS-11-200	739115200
Spool holder cover Transparent, DIX WDS 300, not shown	DIX WDS-11-300	739115300



Description	Part name	Part number
C Water set	DIX WDW 100	738040000
7 Plug coupling, blue	DIX WD-30 BLAU	739300001
8 Plug coupling, red	DIX WD-30 ROT	739300002
9 Water plug, blue	DIX WD-26 BLAU	739260001
10 Water plug, red	DIX WD-26 ROT	739260002

Control units FDE 100 L series DIX FDE-x 100 L for wire feed LASER



Technical data (IEC 60974-10):	
Mains voltage	230 / 115 V _{ac} / 50 Hz - 60 Hz
Mains fuse (complete wire feeding system)	at 230 V _{AC} – T 4,0 A / 250 V at 115 V _{AC} – T 8,0 A / 125 V
Portection class	IP 54
Dimensions (L/W/H)	690 /404(201)/440 mm
Weight	approx. 25 kg

Properties

- ▶ Ensures continuous wire feeding
- ▶ Extended process monitoring
- ▶ Optionally monitoring via Ethernet
- ▶ Process parameters can be stored and retrieved on internal SD card
- ▶ Maintenance interval monitoring individually adjustable
- ▶ Extension with common fieldbus systems possible
- ▶ Modern semiconductor technology
- ▶ Up to a maximum of 10 menu languages selectable
- ▶ Diagnostic, analog interface and line voltage capability
- ▶ Micro processor based Control unit

Options depending on range of application



Control unit DIX FDE 100 L - application sample



System with drive unit with torch head, Control unit, spool holder and wire feeder application sample



Control unit DIX FDE-PN100 L, model with PROFINET

Application

- ▶ Designed for PUSH-PUSH and PUSH-PULL drive concepts
- ▶ Diagnostic system

Description / Interface	Part name	Part number
Control unit, not shown	DIX FDE100L	745000000
Control unit, DEVICENET, not shown	DIX FDE-DN100L	745000004
Control unit, PROFIBUS, not shown	DIX FDE-PB100L	745000002
1 Control unit, PROFINET	DIX FDE-PN100L	745000001
Control unit, ETHERNET IP, not shown	DIX FDE-EN-IP100L	745000124
Control unit, INTERBUS, not shown	DIX FDE-IB2M 100 L	745000082
Control unit, INTERBUS, Lichtwellenleiter, not shown	DIX FDE-IB-LWL100L	745000109
Control unit, PROFINET, Lichtwellenleiter, not shown	DIX FDE-PN-LWL100L	745000108

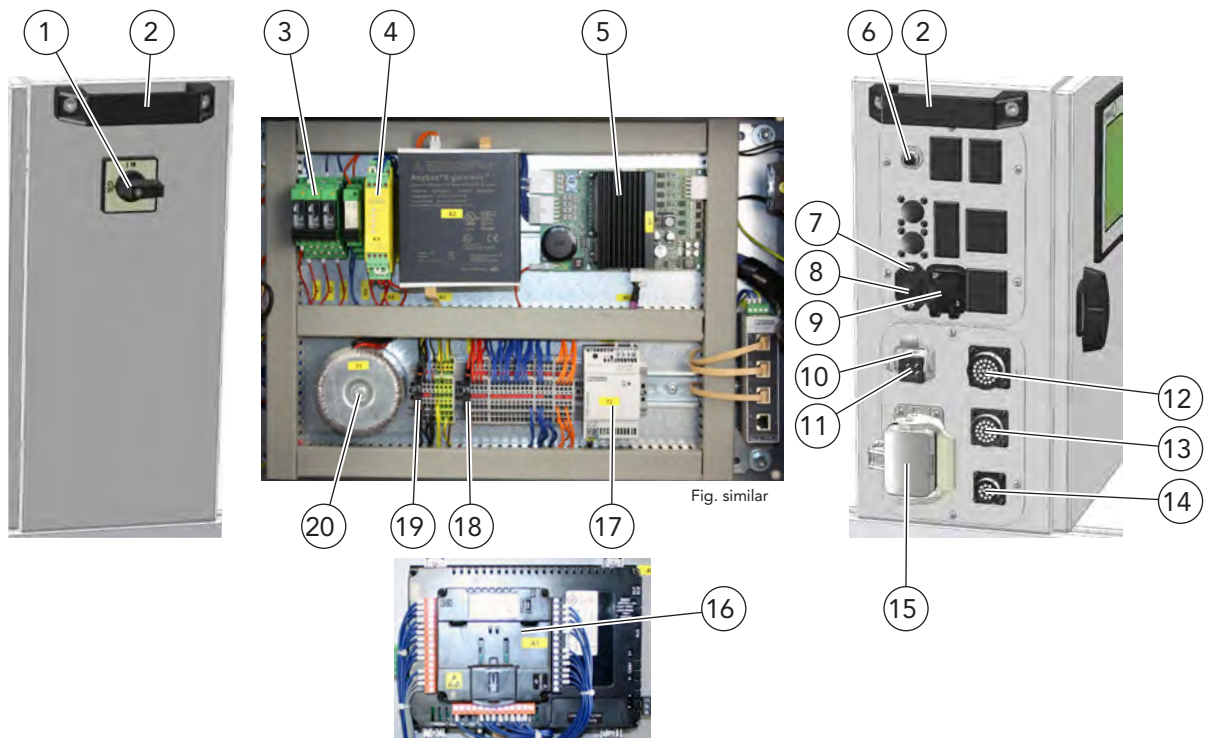
Other field buses on request.

LASER automation



Control units DIX FDE 100 L(/115)

Spare and wear parts



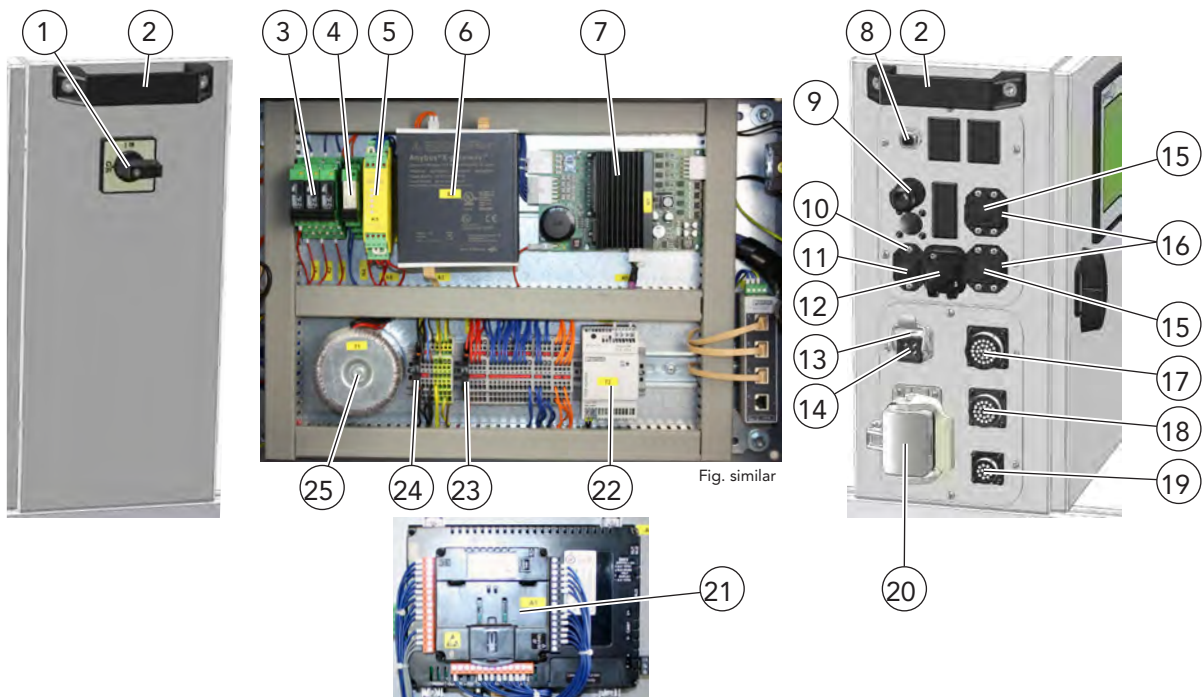
Description	Part name	Part number
Control unit, mains voltage 230 Vac	DIX FDE 100 L	745000000
Control unit, mains voltage 115 Vac	DIX FDE 100 L/115	745000005
1 Power switch	DIX WD 2-20	719590018
2 Handle, front and rear	DIX DV-14-4000	719144000
3 Power relay 1 pol, 3 pcs.	DIX DV-LR-24	718501608
4 Safety relay	DIX PSR-SPP-24 DC	737050008
5 Servo amplifier	DIX ESSV 0600	745000030
6 Connection cable, incl. mounting socket for CAN-BUS, optionally	DIX FDVK 270 PI	737060023
7 Mounting frame	DIX RJ45 AR	745000017
8 Protective cover	DIX RJ45 SD	745000019
Socket insert, not shown	DIX RJ45 BE	745000018
Plug connector, Plastic, not shown	DIX RJ45 ST	745000020
9 Interface adapter	DIX USB A / USB B	629900271
10 Mounting housing	DIX HAN 3 A	71990000512
11 Pin insert (m)	DIX HAN 4 A	71990000511
12 Mounting socket	DIX DV-38-28/BURNDY	719387028
13 Mounting socket	DIX DV-38-23/BURNDY	719387023
14 Mounting socket	DIX 41-2-BURNDY 12P	629411001
15 Mounting housing with cap	DIX HAN 6 ESS	71990002712
Socket insert (m), not shown	DIX HAN 6 ES	71990001913
16 Control unit, not programmed	DIX XL7E	745000029
17 Power supply 24V/1.3A	DIX NT 324-13	737030021
18 Fuse terminal block	DIX PT 4-HESILED 60	745000121
19 Fuse terminal block	DIX PT 4-HESILA 250	745000120
20 Toroidal transformer 2x 115/42V/160VA	DIX Toroidal transformer 2x 115/42V/160VA	719590026
Patch cable, not shown	DIX 1.5 HB	745000025
Socket shell, low design 6B, not shown	DIX Socket shell, low design 6B	71990003412
Fine fuse 4.0 A, 10 pcs., not shown	DIX Fine fuse 4.0 A (10 pcs.)	629900269



Control units DIX FDE-DN 100 L(/115)



Spare and wear parts



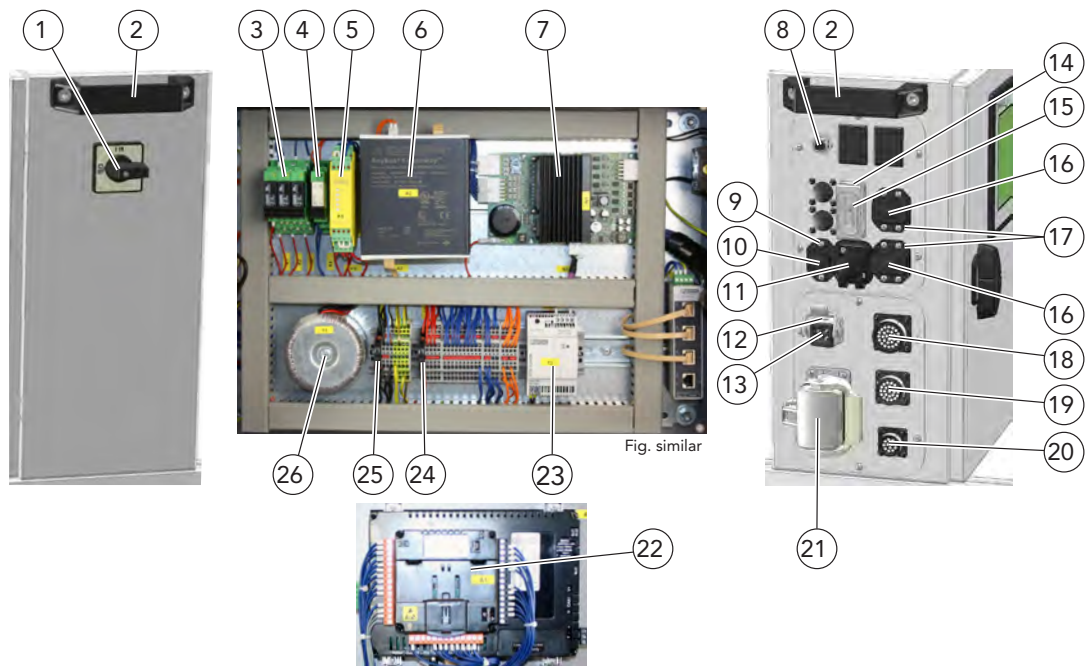
Description	Part name	Part number
Control unit, mains voltage 230 Vac	DIX FDE-DN 100 L	745000004
Control unit, mains voltage 115 Vac	DIX FDE-DN 100 L/115	745000009
1 Power switch	DIX WD 2-20	719590018
2 Handle, front and rear	DIX DV-14-4000	719144000
3 Power relay 1pol, 3 pcs.	DIX DV-LR-24	718501608
4 Relay 2pol.	DIX DV-R-24	718501607
5 Safety relay	DIX PSR-SPP-24 DC	737050008
6 Bus module Devicenet, without programming	DIX BSDN100	745000079
7 Servo amplifier	DIX ESSV 0600	745000030
8 Connection cable, inkl. Mounting socket for CAN-BUS, optionally	DIX FDVK 270 PI	737060023
9 Cable gland, M20x1.5 black		719900030
10 Mounting frame	DIX RJ45 AR	745000017
11 Protective cover	DIX RJ45 SD	745000019
Socket insert, not shown	DIX RJ45 BE	745000018
Plug connector, plastic, not shown	DIX RJ45 ST	745000020
12 Interface adapter	DIX USB A / USB B	629900271
13 Mounting housing	DIX HAN 3 A	71990000512
14 Pin insert (m)	DIX HAN 4 A	71990000511
15 Protective cover	DIX AIDA SPG. I	745000022
16 Coupling metal	DIX MSTB	745000099
Plug Power-Bus, not shown	DIX MSTB-PB	745000076
17 Mounting socket	DIX DV-38-28/BURNDY	719387028
18 Mounting socket	DIX DV-38-23/BURNDY	719387023
19 Mounting socket	DIX 41-2-BURNDY 12P	629411001
20 Mounting housing with cap	DIX HAN 6 ESS	71990002712
Socket insert (m), not shown	DIX HAN 6 ES	71990001913
21 Control unit, without programming	DIX XL7E	745000029
22 Power supply 24V/1.3A	DIX NT 324-13	737030021
23 Fuse terminal block	DIX PT 4-HESILED 60	745000121
24 Fuse terminal block	DIX PT 4-HESILA 250	745000120
25 Toroidal transformer 2x 115/42V/160VA	DIX Toroidal transformer 2x 115/42V/160VA	719590026
Patchkabel, not shown	DIX 1.5 HB	745000025
Socket shell, low design 6B, not shown	DIX Socket shell, low design 6B	71990003412
Fine fuse 4.0 A, 10 pcs., not shown	DIX Fine fuse 4.0 A (10 pcs.)	629900269

LASER automation



Control units DIX FDE-IB 100 L(/115)

Spare and wear parts



Description	Part name	Part number
Control unit, mains voltage 230 VAC	DIX FDE-IB2M 100 L	745000082
Control unit, mains voltage 115 VAC	DIX FDE-IB2M 100 L/115	745000138
1 Power switch	DIX WD 2-20	719590018
2 Handle, front and rear	DIX DV-14-4000	719144000
3 Power relay 1pol, 3 pcs.	DIX DV-LR-24	718501608
4 Relay 2pol.	DIX DV-R-24	718501607
5 Safety relay	DIX PSR-SPP-24 DC	737050008
6 Bus module Interbus CU, without programming	DIX BSIB100	745000083
7 Servo amplifier	DIX ESSV 0600	745000030
8 Connection cable, inkl. Mounting socket for CAN-BUS, optionally	DIX FDVK 270 PI	737060023
9 Mounting frame	DIX RJ45 AR	745000017
10 Protective cover	DIX RJ45 SD	745000019
Socket insert, not shown	DIX RJ45 BE	745000018
Plug connector, Plastic, not shown	DIX RJ45 ST	745000020
11 Interface adapter	DIX USB A / USB B	629900271
12 Mounting housing	DIX HAN 3 A	71990000512
13 Pin insert (m)	DIX HAN 4 A	71990000511
14 Mounting frame	DIX D-SUB 9pol ST/ST	745000089
15 Protective cover	DIX D-SUB 9 pol.	745000024
Plug connector, plastic, not shown	DIX D-SUB 9pol Interbus	745000090
16 Protective cover	DIX AIDA SPG.	745000022
17 Coupling metal	DIX MSTB	745000099
Plug Power-Bus, not shown	DIX MSTB-PB	745000076
18 Mounting socket	DIX DV-38-28/BURNDY	719387028
19 Mounting socket	DIX DV-38-23/BURNDY	719387023
20 Mounting socket	DIX 41-2-BURNDY 12P	629411001
21 Mounting housing with cap	DIX HAN 6 ESS	71990002712
Socket insert (m), not shown	DIX HAN 6 ES	71990001913
22 Control unit, without programming	DIX XL7E	745000029
23 Power supply 24V/1.3A	DIX NT 324-13	737030021
24 Fuse terminal block	DIX PT 4-HESILED 60	745000121
25 Fuse terminal block	DIX PT 4-HESILA 250	745000120
26 Toroidal transformer 2x 115/42V/160VA	DIX Toroidal transformer 2x 115/42V/160VA	719590026
Patchkabel, not shown	DIX 1.5 HB	745000025
Socket shell, low design 6B, not shown	DIX Socket shell, low design 6B	71990003412
Fine fuse 4.0 A, 10 pcs., not shown	DIX Fine fuse 4.0 A (10 pcs.)	629900269

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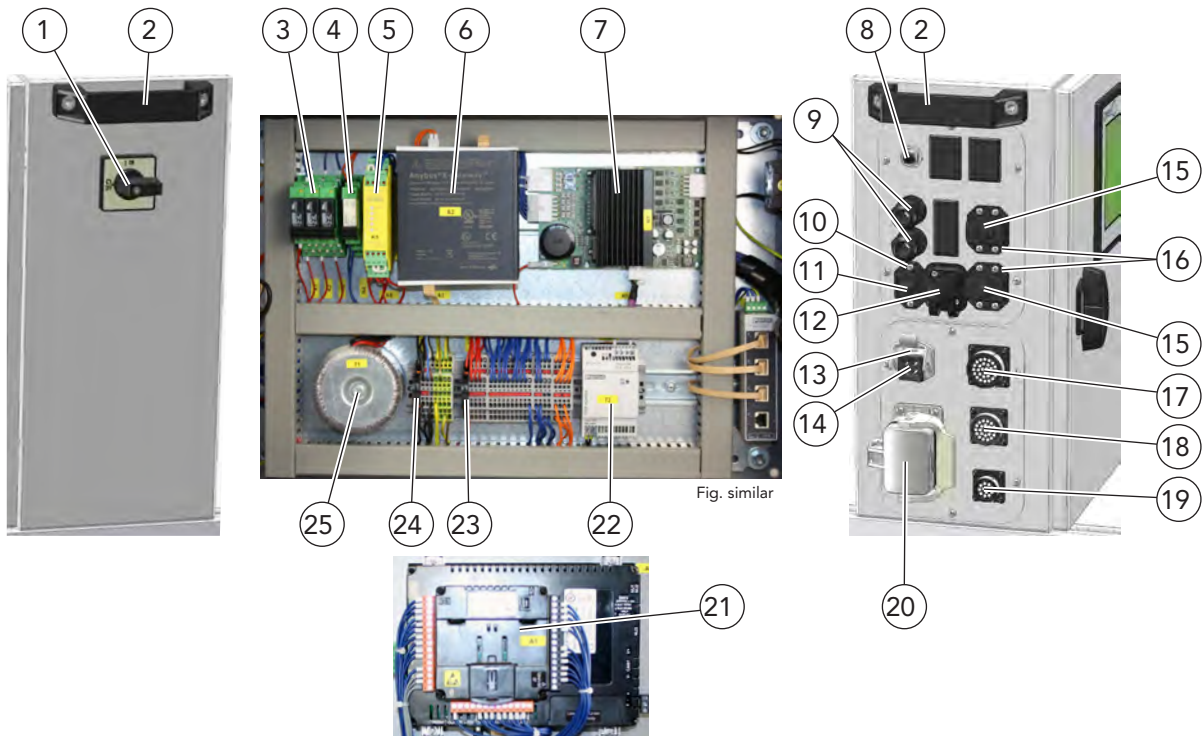
LASER automation



Control units DIX FDE-IB-LWL 100 L(/115)



Spare and wear parts



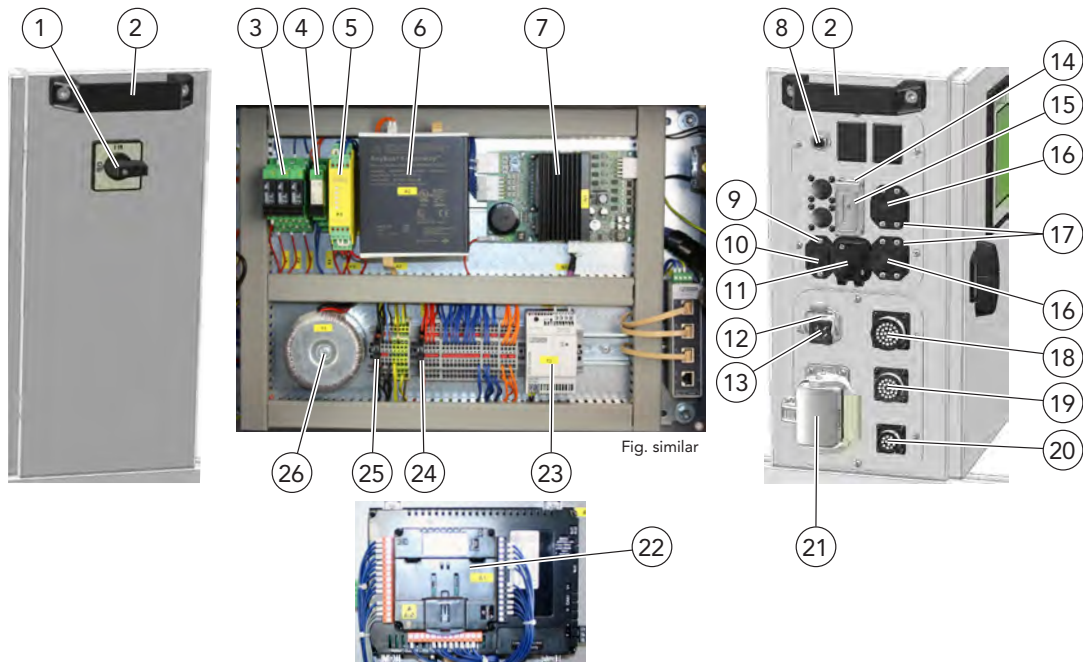
Description	Part name	Part number
Control unit, mains voltage 230 Vac	DIX FDE-IB-LWL 100 L	745000109
Control unit, mains voltage 115 Vac	DIX FDE-IB-LWL 100 L/115	745000139
1 Power switch	DIX WD 2-20	719590018
2 Handle, front and rear	DIX DV-14-4000	719144000
3 Power relay 1pol, 3 pcs.	DIX DV-LR-24	718501608
4 Relay 2pol.	DIX DV-R-24	718501607
5 Safety relay	DIX PSR-SPP-24 DC	737050008
6 Bus module Interbus, without programming	DIX BSIBLWL100	745000112
7 Servo amplifier	DIX ESSV 0600	745000030
8 Connection cable, inkl. Mounting socket for CAN-BUS, optionally	DIX FDVK 270 PI	737060023
9 Cable gland, M20x1.5 black		719900030
10 Mounting frame	DIX RJ45 AR	745000017
11 Protective cover	DIX RJ45 SD	745000019
Socket insert, not shown	DIX RJ45 BE	745000018
Plug connector, plastic, not shown	DIX RJ45 ST	745000020
12 Interface adapter	DIX USB A / USB B	629900271
13 Mounting housing	DIX HAN 3 A	71990000512
14 Pin insert (m)	DIX HAN 4 A	71990000511
15 Protective cover	DIX AIDA SPG.	745000022
16 Coupling metal	DIX MSTB	745000099
Plug Power-Bus, not shown	DIX MSTB-PB	745000076
17 Mounting socket	DIX DV-38-28/BURNDY	719387028
18 Mounting socket	DIX DV-38-23/BURNDY	719387023
19 Mounting socket	DIX 41-2-BURNDY 12P	629411001
20 Mounting housing with cap	DIX HAN 6 ESS	71990002712
Socket insert (m), not shown	DIX HAN 6 ES	71990001913
21 Control unit, without programming	DIX XL7E	745000029
22 Power supply 24V/1.3A	DIX NT 324-13	737030021
23 Fuse terminal block	DIX PT 4-HESILED 60	745000121
24 Fuse terminal block	DIX PT 4-HESILA 250	745000120
25 Toroidal transformer 2x 115/42V/160VA	DIX Toroidal transformer 2x 115/42V/160VA	719590026
Patchkabel, not shown	DIX 1.5 HB	745000025
Socket shell, low design 6B, not shown	DIX Socket shell, low design 6B	71990003412
Fine fuse 4.0 A, 10 pcs., not shown	DIX Fine fuse 4.0 A (10 pcs.)	629900269

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Control units DIX FDE-PB 100 L(/115)

Spare and wear parts

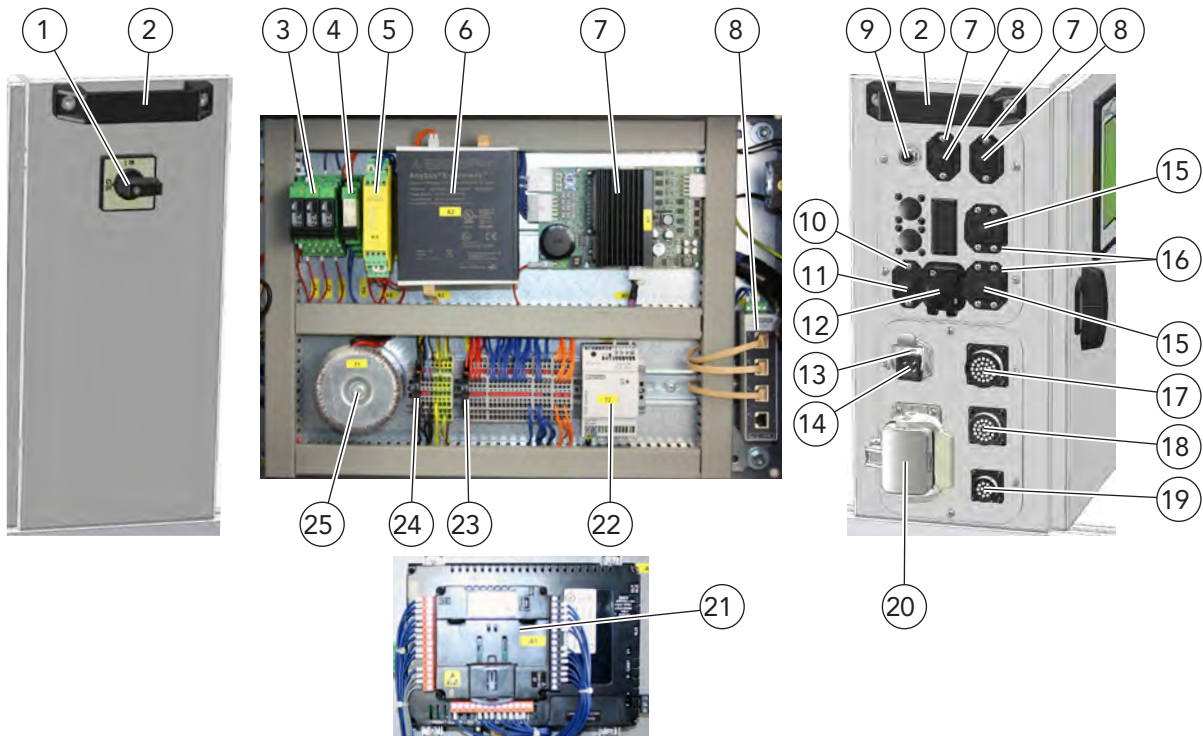


Description	Part name	Part number
Control unit, mains voltage 230 VAC	DIX FDE-PB 100 L	745000002
Control unit, mains voltage 115 VAC	DIX FDE-PB 100 L/115	745000007
1 Power switch	DIX WD 2-20	719590018
2 Handle, front and rear	DIX DV-14-4000	719144000
3 Power relay 1pol, 3 pcs.	DIX DV-LR-24	718501608
4 Relay 2pol.	DIX DV-R-24	718501607
5 Safety relay	DIX PSR-SPP-24 DC	737050008
6 Bus module Profibus, without programming	DIX BSPB100	745000080
7 Servo amplifier	DIX ESSV 0600	745000030
8 Connection cable, inkl. Mounting socket for CAN-BUS, optionally	DIX FDVK 270 PI	737060023
9 Mounting frame	DIX RJ45 AR	745000017
10 Protective cover	DIX RJ45 SD	745000019
Socket insert, not shown	DIX RJ45 BE	745000018
Plug connector, plastic, not shown	DIX RJ45 ST	745000020
11 Interface adapter	DIX USB A / USB B	629900271
12 Mounting housing	DIX HAN 3 A	71990000512
13 Pin insert (m)	DIX HAN 4 A	71990000511
14 Mounting frame	DIX D-SUB 9pol Bu/Bu	745000052
15 Protective cover	DIX D-SUB 9 pol.	745000024
D-SUB Plug connector 9pol Profibus, plastic, not shown		745000053
16 Protective cover	DIX AIDA SPG.	745000022
17 Coupling metal	DIX MSTB	745000099
Plug Power-Bus, not shown	DIX MSTB-PB	745000076
18 Mounting socket	DIX DV-38-28/BURNDY	719387028
19 Mounting socket	DIX DV-38-23/BURNDY	719387023
20 Mounting socket	DIX 41-2-BURNDY 12P	629411001
21 Mounting housing with cap	DIX HAN 6 ESS	71990002712
Socket insert (m), not shown	DIX HAN 6 ES	71990001913
22 Control unit, without programming	DIX XL7E	745000029
23 Power supply 24V/1.3A	DIX NT 324-13	737030021
24 Fuse terminal block	DIX PT 4-HESILED 60	745000121
25 Fuse terminal block	DIX PT 4-HESILA 250	745000120
26 Toroidal transformer 2x 115/42V/160VA	DIX Toroidal transformer 2x 115/42V/160VA	719590026
Patchkabel, not shown	DIX 1.5 HB	745000025
Socket shell, low design 6B, not shown	DIX Socket shell, low design 6B	71990003412
Fine fuse 4.0 A, 10 pcs., not shown	DIX Fine fuse 4.0 A (10 pcs.)	629900269

Control units DIX FDE-PN 100 L(/115)



Spare and wear parts

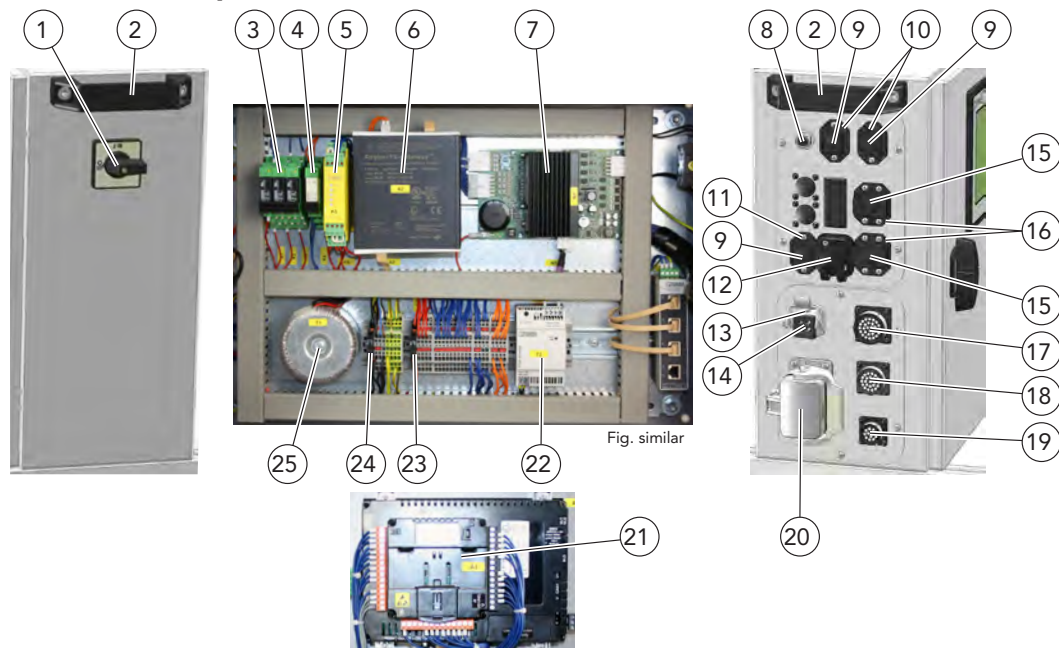


Description	Part name	Part number
Control unit, mains voltage 230 Vac	DIX FDE-PN 100 L	745000001
Control unit, mains voltage 115 Vac	DIX FDE-PN 100 L/115	745000006
1 Power switch	DIX WD 2-20	719590018
2 Handle, front and rear	DIX DV-14-4000	719144000
3 Power relay 1pol, 3 pcs.	DIX DV-LR-24	718501608
4 Relay 2pol.	DIX DV-R-24	718501607
5 Safety relay	DIX PSR-SPP-24 DC	737050008
6 Bus module Profinet, without programming	DIX BSPN100	745000078
7 Servo amplifier	DIX ESSV 0600	745000030
8 Ethernet Switch	DIX RJ45 ES	745000047
9 Connection cable, inkl. Mounting socket for CAN-BUS, optionally	DIX FDKV 270 PI	737060023
10 Mounting frame	DIX RJ45 AR	745000017
11 Protective cover	DIX RJ45 SD	745000019
Socket insert, not shown	DIX RJ45 BE	745000018
Plug connector, plastic, not shown	DIX RJ45 ST	745000020
12 Interface adapter	DIX USB A / USB B	629900271
13 Mounting housing	DIX HAN 3 A	71990000512
14 Pin insert (m)	DIX HAN 4 A	71990000511
15 Protective cover	DIX AIDA SPG.	745000022
16 Coupling metal	DIX MSTB	745000099
Plug Power-Bus, not shown	DIX MSTB-PB	745000076
17 Mounting socket	DIX DV-38-28/BURNDY	719387028
18 Mounting socket	DIX DV-38-23/BURNDY	719387023
19 Mounting socket	DIX 41-2-BURNDY 12P	629411001
20 Mounting housing with cap	DIX HAN 6 ESS	71990002712
Socket insert (m), not shown	DIX HAN 6 ES	71990001913
21 Control unit, without programming	DIX XL7E	745000029
22 Power supply 24V/1.3A	DIX NT 324-13	737030021
23 Fuse terminal block	DIX PT 4-HESILED 60	745000121
24 Fuse terminal block	DIX PT 4-HESILA 250	745000120
25 Toroidal transformer 2x 115/42V/160VA	DIX Toroidal transformer 2x 115/42V/160VA	719590026
Patchkabel, not shown	DIX 1.5 HB	745000025
Socket shell, low design 6B, not shown	DIX Socket shell, low design 6B	71990003412
Fine fuse 4.0 A, 10 pcs., not shown	DIX Fine fuse 4.0 A (10 pcs.)	629900269



Control units DIX FDE-PN-LWL 100 L(/115)

Spare and wear parts

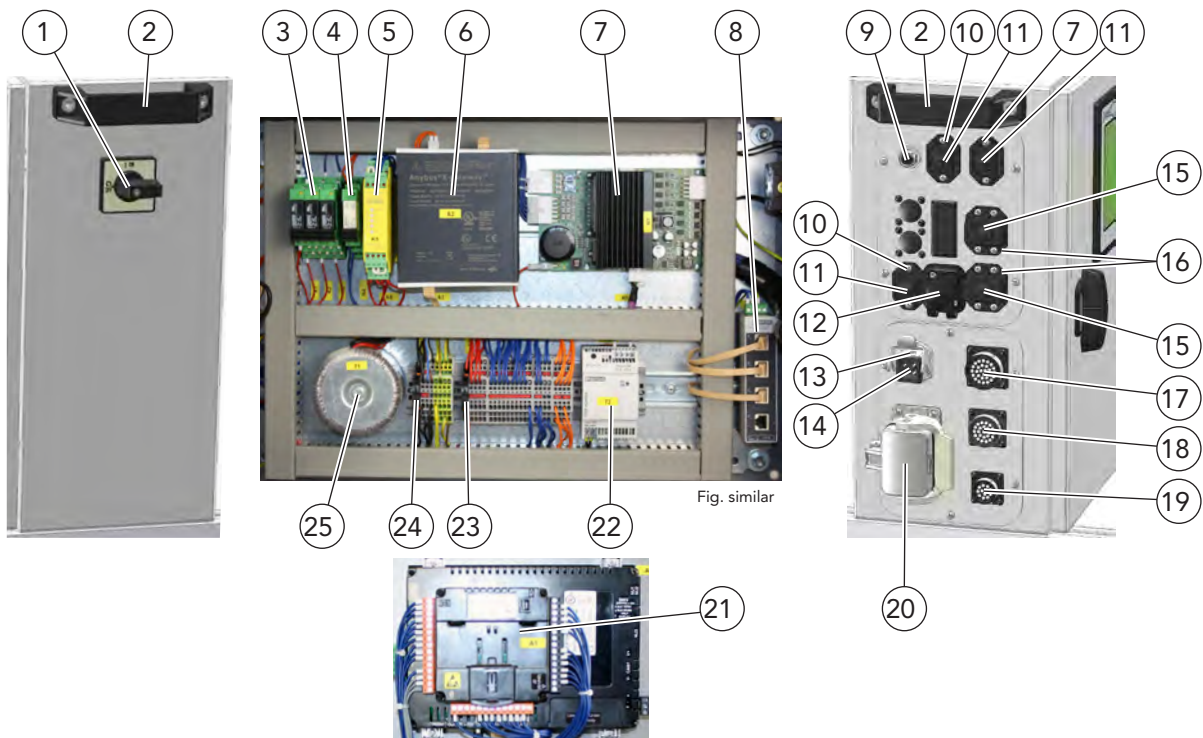


Description	Part name	Part number
Control unit, mains voltage 230 VAC	DIX FDE-PN-LWL 100 L	745000108
Control unit, mains voltage 115 VAC	DIX FDE-PN-LWL 100 L	745000140
1 Power switch	DIX WD 2-20	719590018
2 Handle, front and rear	DIX DV-14-4000	719144000
3 Power relay 1pol, 3 pcs.	DIX DV-LR-24	718501608
4 Relay 2pol.	DIX DV-R-24	718501607
5 Safety relay	DIX PSR-SPP-24 DC	737050008
6 Bus module Profinet, without programming	DIX BSPN100	745000078
7 Servo amplifier	DIX ESSV 0600	745000030
8 Connection cable, inkl. Mounting socket for CAN-BUS, optionally	DIX FDVK 270 PI	737060023
9 Protective cover	DIX RJ45 SD	745000019
10 Mounting frame metal	DIX SCRJ MNNA	745000102
Coupling metal, not shown	DIX MSTB	745000099
Power-Plug connector, not shown	DIX MSTB-Metal	745000103
11 Mounting frame-Set	DIX MNNA Metal	745000100
Plug connector, not shown	DIX RJ45 Metal	745000098
12 Interface adapter	DIX USB A / USB B	629900271
13 Mounting housing	DIX HAN 3 A	71990000512
14 Socket insert	DIX HAN Q5 / 6pol	745000105
15 Protective cover	DIX AIDA SPG.	745000022
16 Coupling metal	DIX MSTB	745000099
Plug Power-Bus, not shown	DIX MSTB-PB	745000076
17 Mounting socket	DIX DV-38-28	719388028
18 Mounting socket	DIX DV-38-23	719388023
19 Mounting socket	DIX 41-2 12P	629411011
20 Mounting housing with cap	DIX HAN 6 ESS	71990002712
Socket insert (m), not shown	DIX HAN 6 ES	71990001913
21 Control unit, without programming	DIX XL7E	745000029
22 Power supply 24V/1.3A	DIX NT 324-13	737030021
23 Fuse terminal block	DIX PT 4-HESILED 60	745000121
24 Fuse terminal block	DIX PT 4-HESILA 250	745000120
25 Toroidal transformer 2x 115/42V/160VA	DIX Toroidal transformer 2x 115/42V/160VA	719590026
Patchkabel, not shown	DIX 1.5 HB	745000025
Socket shell, low design 6B, not shown	DIX Socket shell, low design 6B	71990003412
Fine fuse 4.0 A, 10 Pcs., not shown	DIX Fine fuse 4.0 A (10 Pcs.)	629900269
Profi-Net, not shown	DIX Scalance X202-2PIRT	745000104
LWL-Patchkabel, 2 x benötigt, not shown	DIX 1-FOC-PN-C-1003IP20	745000114

Control units DIX FDE-EN-IP 100 L(/115)



Spare and wear parts



Description	Part name	Part number
Control unit, Mains voltage 230 Vac	DIX FDE-EN-IP 100 L	745000124
Control unit, Mains voltage 115 Vac	DIX FDE-EN-IP 100 L/115	745000126
1 Power switch	DIX WD 2-20	719590018
2 Handle, front and rear	DIX DV-14-4000	719144000
3 Power relay 1pol, 3 pcs.	DIX DV-LR-24	718501608
4 Relay 2pol.	DIX DV-R-24	718501607
5 Safety relay	DIX PSR-SPP-24 DC	737050008
6 Bus module EtherNet/IP, without programming	DIX BSEN/IP	745000123
7 Servo amplifier	DIX ESSV 0600	745000030
8 Ethernet Switch	DIX RJ45 ES	745000047
9 Connection cable, inkl. Mounting socket for CAN-BUS, optionally	DIX FDKV 270 PI	737060023
10 Mounting frame	DIX RJ45 AR	745000017
11 Protective cover	DIX RJ45 SD	745000019
Socket insert, not shown	DIX RJ45 BE	745000018
Plug connector, plastic, not shown	DIX RJ45 ST	745000020
12 Interface adapter	DIX USB A / USB B	629900271
13 Mounting housing	DIX HAN 3 A	71990000512
14 Pin insert (m)	DIX HAN 4 A	71990000511
15 Protective cover	DIX AIDA SPG.	745000022
16 Coupling metal	DIX MSTB	745000099
Plug Power-Bus, not shown	DIX MSTB-PB	745000076
17 Mounting socket	DIX DV-38-28/BURNDY	719387028
18 Mounting socket	DIX DV-38-23/BURNDY	719387023
19 Mounting socket	DIX 41-2-BURNDY 12P	629411001
20 Mounting housing with cap	DIX HAN 6 ESS	71990002712
Socket insert (m), not shown	DIX HAN 6 ES	71990001913
21 Control unit, without programming	DIX XL7E	745000029
22 Power supply 24V/1.3A	DIX NT 324-13	737030021
23 Fuse terminal block	DIX PT 4-HESILED 60	745000121
24 Fuse terminal block	DIX PT 4-HESILA 250	745000120
25 Toroidal transformer 2x 115/42V/160VA	DIX Toroidal transformer 2x 115/42V/160VA	719590026
Patchkabel, not shown	DIX 1.5 HB	745000025
Socket shell, low design 6B, not shown	DIX Socket shell, low design 6B	71990003412
Fine fuse 4.0 A, 10 pcs., not shown	DIX Fine fuse 4.0 A (10 pcs.)	629900269





Remote panel for control units of the DIX FDE 100 L series DIX FDE-RP 100-5 For robot and automation applications

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Description	Part name	Part number
1 Remote panel, kompl.	DIX FDE-RP 100-5	745000058

► Other models on request.



Control units FDE 150 series DIX FDE-x 150 for wire feed LASER



Technical data (IEC 60974-10):	
Mains voltage	100/110/115/230 VAc 400/480/500 VAc 50 Hz - 60 Hz
Mains fuse (complete wire feeding system)	T 6,3 A
Portection class	IP 54
Dimensions (L/W/H)	690 /404(201)/440 mm
Weight	ca. 25 kg

Properties

- ▶ Ensures continuous wire feeding
- ▶ Extended process monitoring
- ▶ Optionally monitoring via Ethernet
- ▶ Process parameters can be stored and retrieved on internal SD card
- ▶ Maintenance interval monitoring individually adjustable
- ▶ Extension with common fieldbus systems possible
- ▶ Modern semiconductor technology
- ▶ Up to a maximum of 10 menu languages selectable
- ▶ Diagnostic, analog interface and line voltage capability
- ▶ Micro processor based Control unit

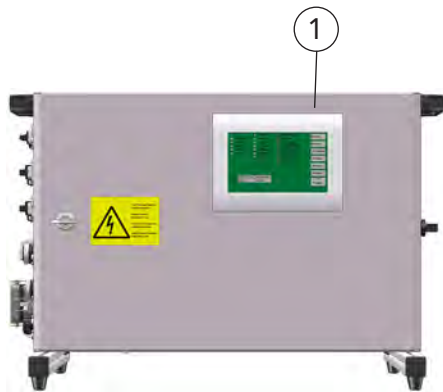
Options depending on range of application



Control unit DIX FDE 150 - application sample



System with drive unit with torch head, Control unit, spool holder and wire feeder application sample



Steuerung DIX FDE-PN150, Ausführung mit PROFINET

Description / Interface	Part name	Part number
Control unit, not shown	DIX FDE 150	745000231
1 Control unit, PROFINET	DIX FDE-PN150	745000206
Control unit, ETHERNET IP, not shown	DIX FDE-EN-IP150	747000000

Other field buses on request.

Application

- ▶ Designed for PUSH-PUSH and PUSH-PULL drive concepts
- ▶ Diagnostic system

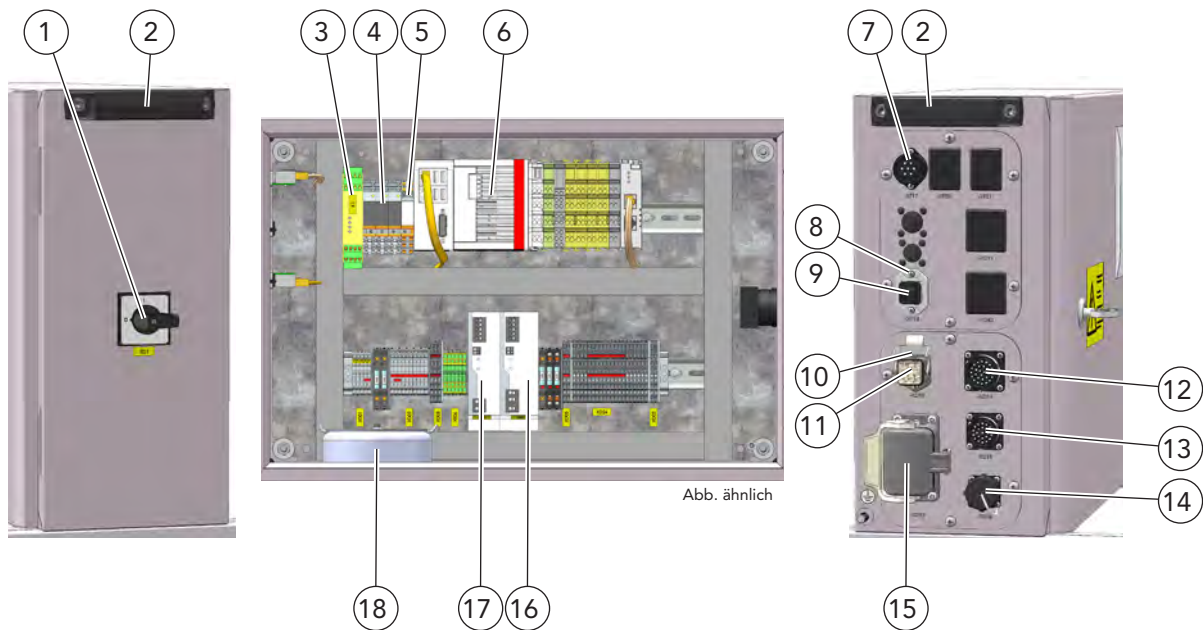
LASER automation



DIX FDE 150 Spare and wear parts

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Description	Part name	Part number
Control unit	DIX FDE 150	745000231
1 Power switch	DIX WD 2-20	719590018
2 Handle, front and rear	DIX DV-14-4000	719144000
3 Safety relay	DIX PSR-SPP-24 DC	737050008
4 Power relay 1pol, 3 pcs.	DIX DV-LR-24	718501608
5 Relais 2pol.	DIX DV-R-24	718501607
6 Control CX5130-175 with software		745000217
7 Flange socket 6 pins type 693, optionally when equipped for hot wire applications		745000198
8 Mounting frame set	DIX MNNA Metall	745000100
9 Protective cover	DIX RJ45 SD	745000019
10 Mounting housing	DIX HAN 3 A	71990000512
11 Pin insert HAN Q5 / 6 pins		745000106
12 Mounting socket	DIX DV-38-28/BURNDY	719387028
13 Mounting socket	DIX DV-38-23	719388023
14 Mounting socket	DIX 41-2 12P	629411011
15 Mounting housing with cap	DIX HAN 6 ESS	71990002712
Socket insert (m), not shown	DIX HAN 6 ES	71990001913
16 Power supply - TRIO-PS-2G/1AC/48DC/5		745000172
17 Power supply - TRIO-PS-2G/1AC/24DC/5		745000171
18 Toroidal transformer 0-500 V / 300VA/ 42V/160VA		719590029
7" TFT Display CP6906-0001-0000, not shown		745000181
Fine fuse 4,0 A, not shown (10 pcs.)		629900269
Fine fuse 6,3 A, not shown (10 pcs.)		629900394



Control units



DIX FDE-EN-IP150 Spare and wear parts

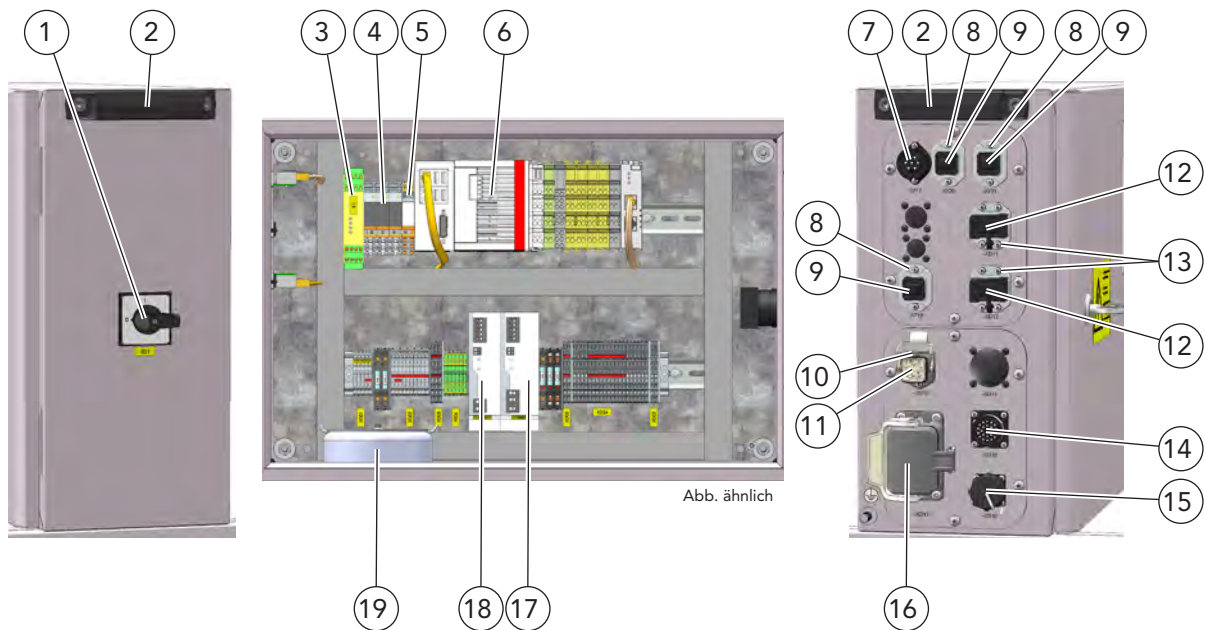


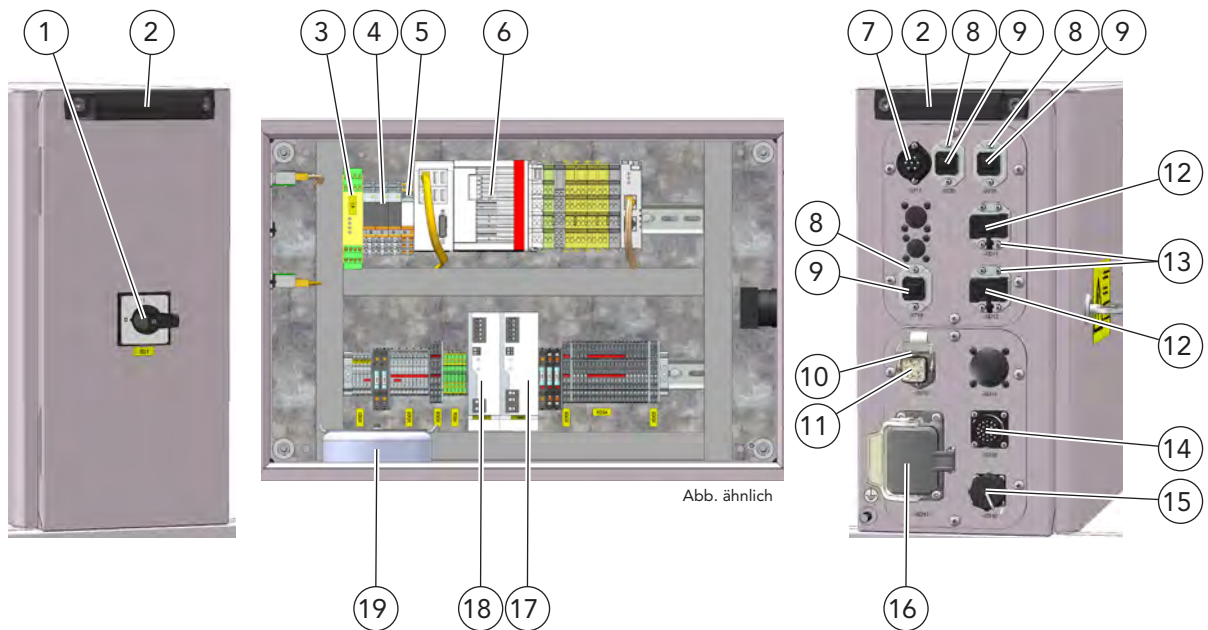
Abb. ähnlich

Description	Part name	Part number
Control unit	DIX FDE-EN-IP 150	747000000
1 Power switch	DIX WD 2-20	719590018
2 Handle, front and rear	DIX DV-14-4000	719144000
3 Safety relay	DIX PSR-SPP-24 DC	737050008
4 Power relay 1pol, 3 pcs.	DIX DV-LR-24	718501608
5 Relais 2pol.	DIX DV-R-24	718501607
6 Control CX5130-175 with software		745000217
7 Flange socket 6 pins type 693, optionally when equipped for hot wire applications		745000198
8 Mounting frame set	DIX MNNA Metall	745000100
9 Protective cover	DIX RJ45 SD	745000019
10 Mounting housing	DIX HAN 3 A	71990000512
11 Pin insert HAN Q5 / 6 pins		745000106
12 Protective cover	DIX AIDA SPG.	745000022
13 Coupling metal	DIX MSTB	745000099
14 Mounting socket	DIX DV-38-23	719388023
15 Mounting socket	DIX 41-2 12P	629411011
16 Mounting housing with cap	DIX HAN 6 ESS	71990002712
Socket insert (m), not shown	DIX HAN 6 ES	71990001913
17 Power supply - TRIO-PS-2G/1AC/48DC/5		745000172
18 Power supply - TRIO-PS-2G/1AC/24DC/5		745000171
19 Toroidal transformer 0-500 V / 300VA/ 42V/160VA		719590029
7" TFT Display CP6906-0001-0000, not shown		745000181
Fine fuse 4,0 A, not shown (10 pcs.)		629900269
Fine fuse 6,3 A, not shown (10 pcs.)		629900394

LASER automation



DIX FDE-PN150 Spare and wear parts



Description	Part name	Part number
Control unit	DIX FDE-PN 150	745000206
1 Power switch	DIX WD 2-20	719590018
2 Handle, front and rear	DIX DV-14-4000	719144000
3 Safety relay	DIX PSR-SPP-24 DC	737050008
4 Power relay 1pol, 3 pcs.	DIX DV-LR-24	718501608
5 Relais 2pol.	DIX DV-R-24	718501607
6 Control CX5130-175 with software		745000217
7 Flange socket 6 pins type 693, optionally when equiped for hot wire applications		745000198
8 Mounting frame set	DIX MNNA Metall	745000100
9 Protective cover	DIX RJ45 SD	745000019
10 Mounting housing	DIX HAN 3 A	71990000512
11 Pin insert HAN Q5 / 6 pins		745000106
12 Protective cover	DIX AIDA SPG.	745000022
13 Coupling metal	DIX MSTB	745000099
14 Mounting socket	DIX DV-38-23	719388023
15 Mounting socket	DIX 41-2 12P	629411011
16 Mounting housing with cap	DIX HAN 6 ESS	71990002712
Socket insert (m), not shown	DIX HAN 6 ES	71990001913
17 Power supply - TRIO-PS-2G/1AC/48DC/5		745000172
18 Power supply - TRIO-PS-2G/1AC/24DC/5		745000171
19 Toroidal transformer 0-500 V / 300VA/ 42V/160VA		719590029
7" TFT Display CP6906-0001-0000, not shown		745000181
Fine fuse 4,0 A, not shown (10 pcs.)		629900269
Fine fuse 6,3 A, not shown (10 pcs.)		629900394



Hot wire power sources DIX HW 300 PULS for robot and automation applications

Technical data (IEC 60974-1):	
Power source	DIX HW 300 PULS
Mains voltage	3 x 400 VAC
Mains frequency	50 Hz - 60 Hz
Mains voltage tolerance	- 20% / + 20%
Mains fuse	16 A slow blow
Power connection cable	4 x 2,5 mm ²
Output	
Open-circuit voltage	14 – 60 VDC
Welding current DC / pulsed	5 A - 270 A
Pulse frequency	0 – 2000 Hz
Duty cycle	35% at 300 A 60% at 250 A 100% at 210 A
Protection class	IP 23
Safety marking	S mark
Dimension (L/W/H)	500 /190/400 mm
Weight	approx. 25 kg
Options:	
Cooling module	DIX CM 592.HW



Power source DIX HW 300 PULS - with or without cooling modul DIX CM 592.HW applicable
Options according to the application



Application

- ▶ For automatic laser hot wire welding



Optionally cooling modul DIX CM 592.HW

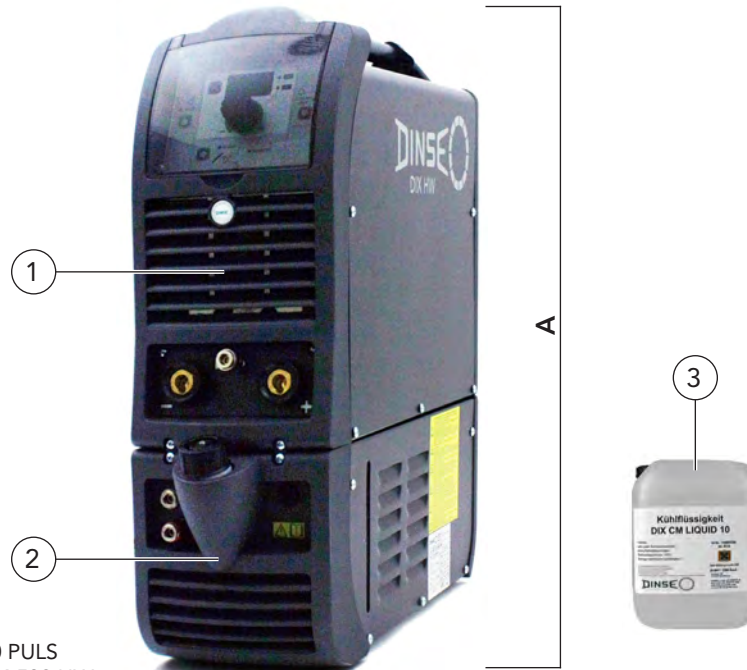
Properties

- ▶ Easy to use
- ▶ Compact dimensions and low weight for easy transport
- ▶ Integrated self-diagnosis
- ▶ Built-in overheating protection
- ▶ Transparent and foldable protective cover for the control panel
- ▶ Low energy consumption
- ▶ Energy saving function, cooling fan of the power source and the optional cooling module only run when required

Hot wire power sources DIX HW 300 PULS for robot and automation applications

Power source system components

1



Power Source DIX HW 300 PULS
with cooling modul DIX CM 592.HW

Description	Dimensions	Part name		Part number
A Power source set, WITHOUT mains plug		DIX	HW 300 PULS + CM 592.HW	7524401
1 Power source, WITHOUT mains plug		DIX	HW 300 PULS	7420010034
Accessories				
2 Cooling modul		DIX	CM 592.HW	7420020005
3 Coolant	10 litre	DIX	CM LIQUID 10L	7410082100

Hot wire power sources

DIX HW 300 PULS

for robot and automation applications

Spare and wear parts



1



Description	Part number
1 Shield front frame	7421000131
2 Plastic foil keyboard	7421000132
3 Knob Ø 29mm	7421000081
4 Logo sticker	7421000133
5 Front panel	7421000134
6 Quick connection gas	7421000136
7 Dinse connection DIX BE 50/70	121300050
8 Sticker Dinse	7421000137
9 Dinse cover plate	7421000138
10 Hook for attaching the shoulder strap	7421000139
11 Handle	7421000140
12 Switch button	7421000077
13 Mains switch 16A	7421000075
14 Flange socket 6 pins type 693	745000198
15 Rear panel	7421000143
16 Cable gland with threaded ring	7421000142
17 Mains cable	7421000141
18 Solenoid valve cap	7421000144
19 Sticker logo Dinse for cover	7421000147
20 Cover	7421000146

LASER automation

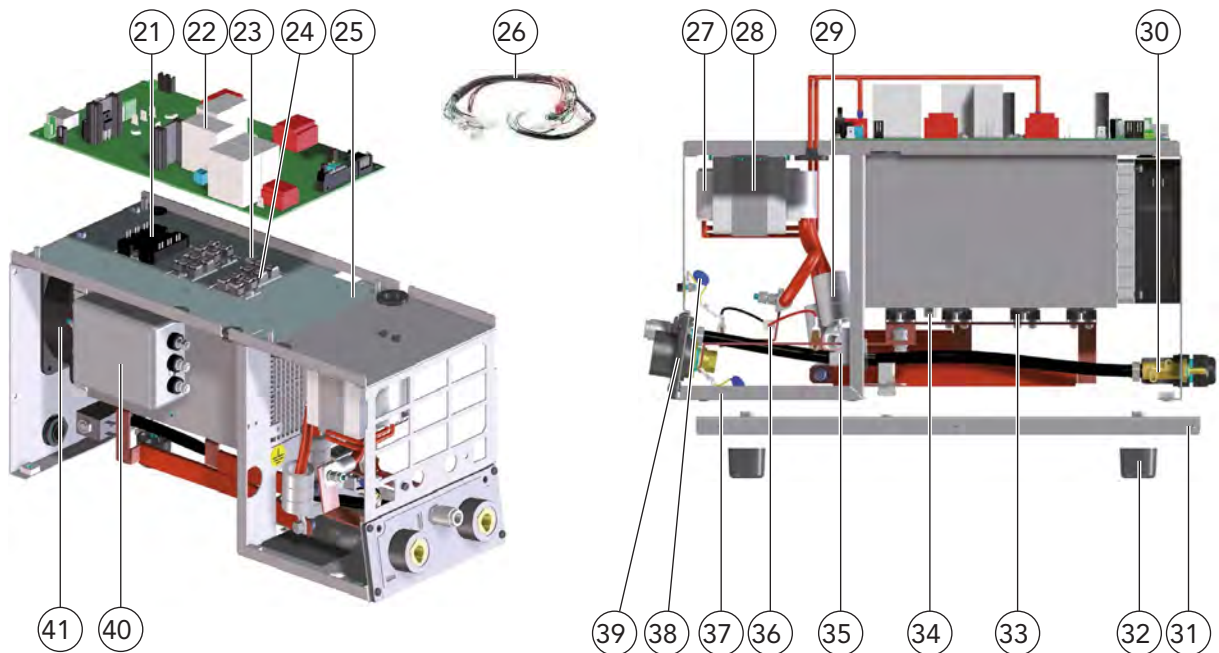


Hot wire power sources DIX HW 300 PULS for robot and automation applications

Spare and wear parts

1

LASER automation



Description	Part number
21 Rectifier main circuit	7421000152
22 Complete PCB board main inverter	7421000001
23 Thermistor	7421000149
24 IGBT main circuit	7421000019
25 Insulation inverter board	7421000150
26 Auxiliary wiring	7421000148
27 Power transformer	7421000157
28 Mounting clamp transformer	7421000156
29 Ferrite for transformer	7421000158
30 Solenoid valve	7421000066
31 Base plate	7421000154
32 Support feet	7421000153
33 Secondary diode	7421000162
34 Thermostat	7421000161
35 Current transformer	7421000160
36 Resistor	7421000164
37 Inverter metal frame	7421000159
38 Capacitor EMC	7421000163
39 Dinse insulation	7421000155
40 Filter EMC	7421000151
41 Fan	7421000096



Cooling modul for hot wire power sources DIX CM 592.HW for robot and automation applications



1

Technical data (IEC 60974-2/10):	
Cooling modul	DIX CM 592.HW
Supply voltage	400V
Cooling type	Air Forced (AF)
Cooling performance	max.0,3 kW
Cooling loop pressure	max. 4,3 bar
Tank volume	approx. 2,5 litre
Protection class	IP 23
Dimensions (L/W/B) mm	545/225/185
Weight	
without coolant	approx. 10 kg
with coolant	approx. 12,5 kg

Options according to range of application



Cooling modul DIX CM 592.HW



Cooling modul with power source DIX HW 300 Puls

Properties

- ▶ Standard - control by the power source
- ▶ One phase electric pump

Application

- ▶ Hot wire welding applications
- ▶ Cooling modul for hot wire power source DIX HW 300 Puls



	Description	Part name	Part number
A	Cooling modul, for hot wire power source DIX 300 HW Puls	DIX CM 592.HW	7420020005
1	Coolant, 10 Liter	DIX CM LIQUID 10	7410082100

- ▶ Liquid capacity of the cooling modules 2.5 litres.

LASER automation

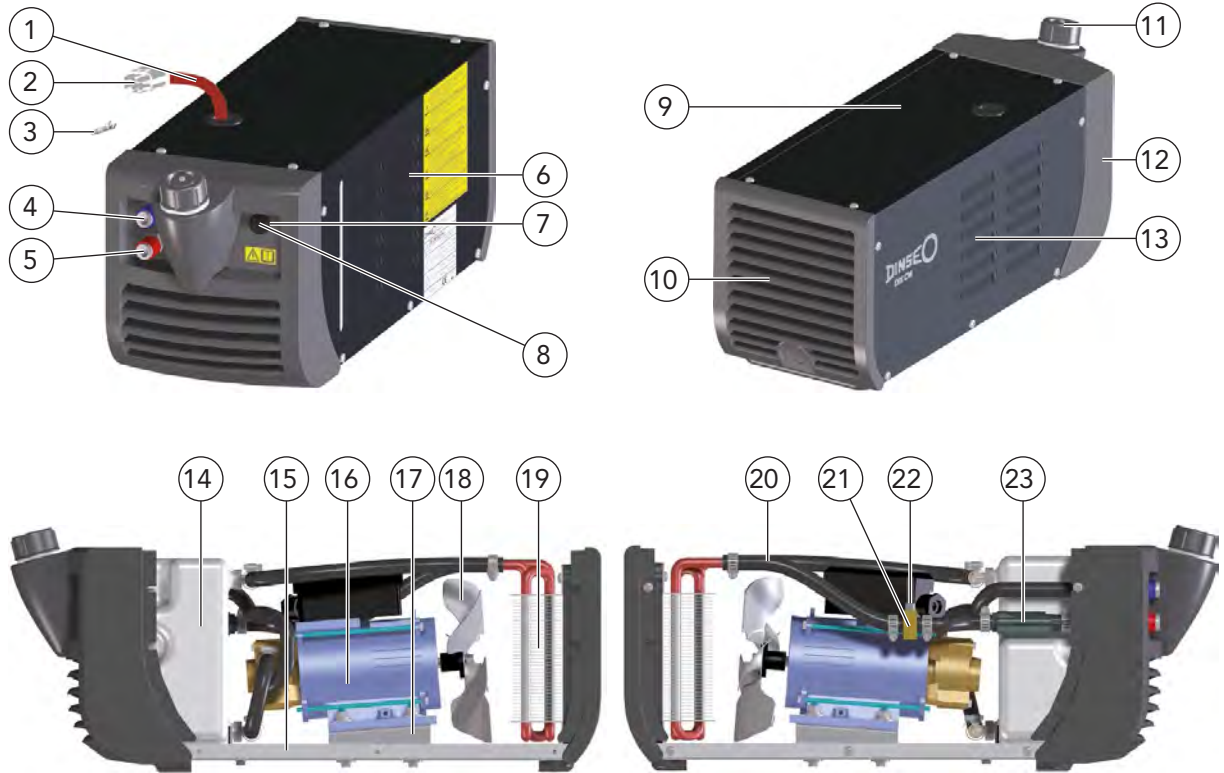


Cooling modul for hot wire power sources

DIX CM 592.HW

for robot and automation applications

Spare and wear parts



Description	Part name
1 Auxiliary wiring	7421000115
2 Coupling plug 3x2- way	7421000114
3 Inserts for coupling plug	7421000113
4 Quick connection blue	7421000112
5 Quick connection red	7421000111
6 Side panel on the right	7421000116
7 Fuse holder	7421000117
8 Fuse 1,6A	7421000070
9 Cover	7421000118
10 Rear panel	7421000121
11 Tank cap CM 141.M	7421000107
12 Front panel	7421000119
13 Side panel on the left	7421000120
14 Tank	7421000122
15 Base plate	7421000126
16 Electric pump	7421000021
17 Bracket electric pump	7421000125
18 Fan	7421000123
19 Radiator	7421000124
20 Hose set	7421000127
21 Thermistor junction	7421000129
22 Thermistor	7421000130
23 Flow monitor	7421000128





02 TOOLS & ACCESSORIES

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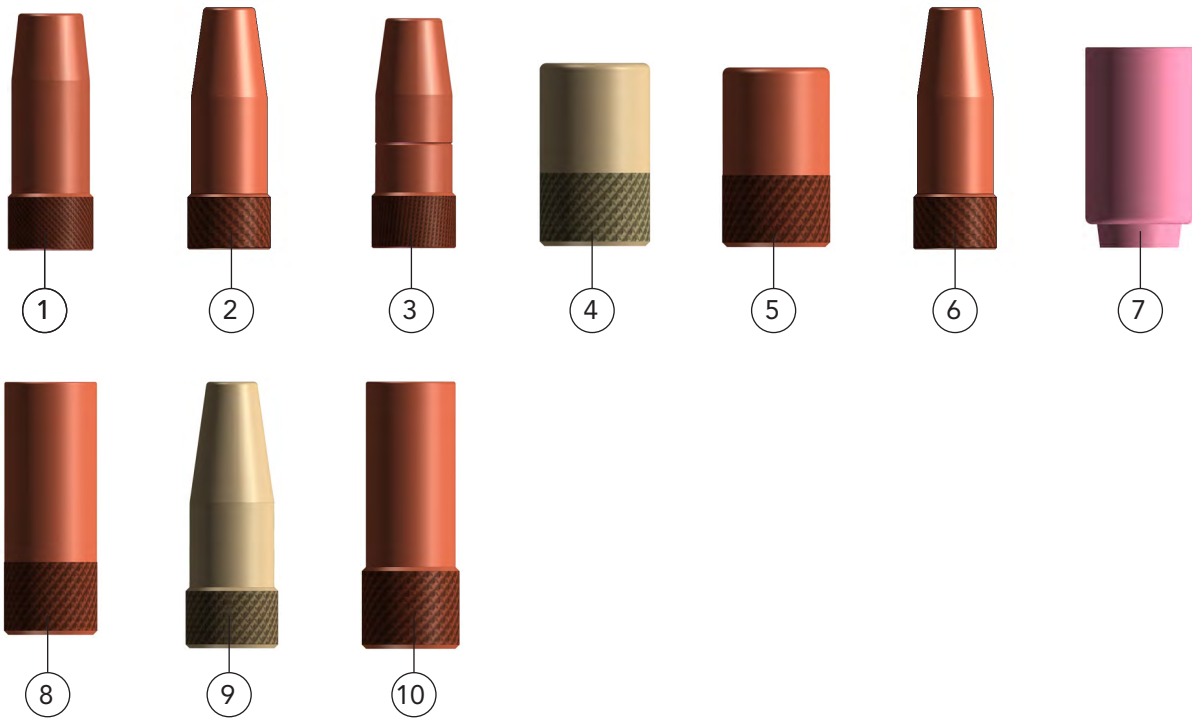
Gas nozzles

For robotic- and automatic torch heads

LASER



2



Part name	Part number	For use with
1 DIX 1-2-011/7.0 (M9x1 Thread)	629010020	
2 DIX 1-2-011/5.5 (M9x1 Thread)	629010008	LH 100 SW
3 DIX 1-2-011/6.0 (M9x1 Thread)	629010010	
4 DIX 1-2-009 LK* (M10x1 Thread)	68690100109	
5 DIX 1-2-010 LK (M10x1 Thread)	629010001P	LKTZ 50 L/55°, LKTZ 50 U/55°, LKTZ 50 R/55°, LHZ 100-x SATZ/xxx
6 DIX 1-2-011 LK (M10x1 Thread)	629010002P	
7 DIX 1-2-012 LK** (3/8" UNF Thread)	629010004	LHZ 100-x SATZ/006(008)(009)(011)(015)(019)(023)
8 DIX 1-2-014 LK (M10x1 Thread)	629010006	LKTZ 50 L/55°, LKTZ 50 U/55°, LKTZ 50 R/55°, LHZ 100-x SATZ/xxx
9 DIX 1-2-011/001 LK* (M10x1 Thread)	629010003	LHZ 100-x SATZ/xxx
10 DIX 1-2-013 LK (3/8" UNF Thread)	629010005	LHZ 100-x SATZ/006(008)(009)(011)(015)(019)(023)

* Gas nozzle made of heat resistant plastic
 ** Gas nozzle made of ceramic

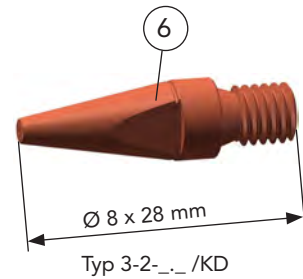
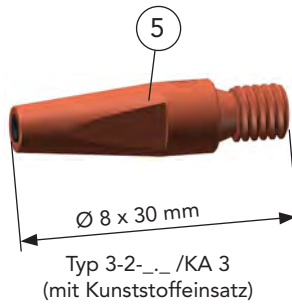
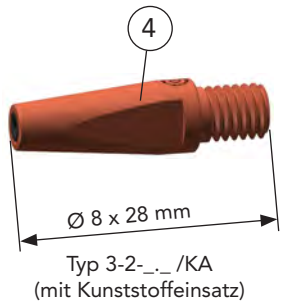
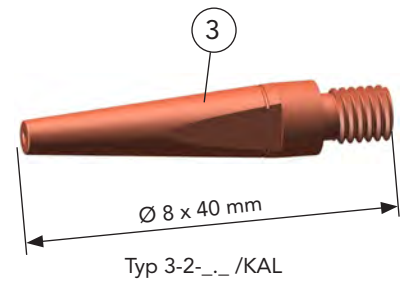
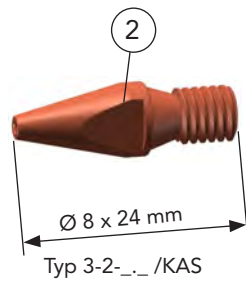
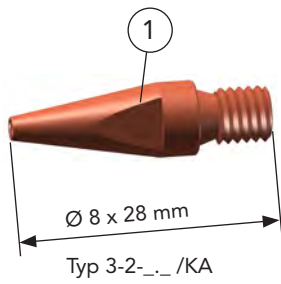
Tools and accessories



Contact tips For robotic- and automatic torch heads LASER

2

Tools and accessories



Part name	Part number	For use with
1 DIX 3-2-0.6 /KA	P629030NO012	LH 100 AW, LH 100 SW, LH 100 SB, LKTZ 50 L/55°, LKTZ 50 R/55°, LKTZ 50 U/55°, LHZ 100-x SATZ/xxx
DIX 3-2-0.8 /KA	P629030NO007	
DIX 3-2-0.9 /KA	6290300042	
DIX 3-2-1.0 /KA	P629030NO004	
DIX 3-2-1.2 /KA	P629030NO005	
DIX 3-2-1.6 /KA	629030023	
2 DIX 3-2-1.0 /KAS 24	629030028	LH 100 AW, LH 100 SW, LH 100 SB, LKTZ 50 L/55°, LKTZ 50 R/55°, LKTZ 50 U/55°, LHZ 100-x SATZ/xxx
DIX 3-2-1.2 /KAS 24	629030037	
3 DIX 3-2-0.8 M6 /KAL	629030043	
DIX 3-2-1.0 M6 /KAL	629030033	
DIX 3-2-1.2 M6 /KAL	629030034	
DIX 3-2-1.6 M6 /KAL	629030044	
4 DIX 3-2-1.7 KA*	629030026	
5 DIX 3-2-1.7 KA 3*	629030056	
6 DIX 3-2-0.4 /KD	629030067	

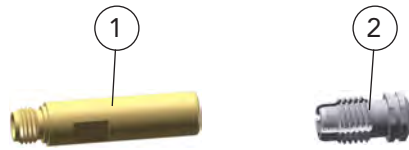
* Contact tip with plastic insert



Connecting pieces, clamping sleeves

For robotic- and automatic torch heads

LASER



Part name	Part number	For use with
Connecting piece		
1 DIX MEPS 300/500	6390665000	LH 100 AW, LH 100 SW, LH 100 SB, LKTZ 50 L/55°, LKTZ 50 R/55°, LKTZ 50 U/55°, LHZ 100-x SATZ
Clamping sleeve		
2 DIX SH 270	629270270	LH 100 AW, LH 100 SW, LH 100 SB, LKTZ 50 L/55°, LKTZ 50 R/55°, LKTZ 50 U/55°, LHZ 100-x SATZ

2

Tools and accessories



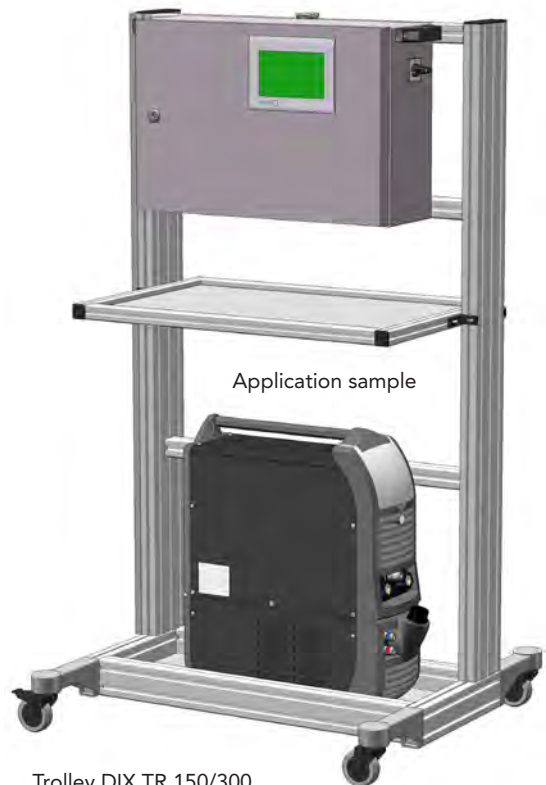
Trolley for wire feeder systems

DIX TR 150/300

For robotic and automatic torches LASER

Properties

- ▶ Mobile use thanks to rollers, two rollers with brake for stability
- ▶ Raker struts, pillars and shelves are infinitely adjustable
- ▶ Aluminum profiles ensure a low dead weight



Trolley DIX TR 150/300
with control unit DIX FDE-PN 150 and
hot wire power source DIX HW 300 Puls



Technical data:

Dimensions (L/W/H) approx. 75.2 / 85.6 / 150.5 cm
Weight approx. 30 kg

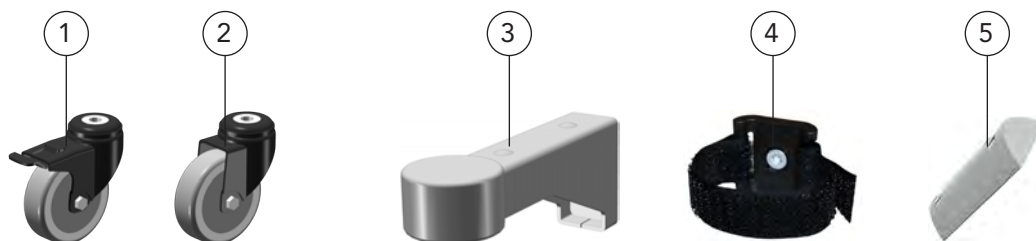
Description	Part name	Part number
A Trolley unmounted	DIX TR 150/300	7410081107

- ▶ Connection sets for supply voltage on request.



Trolley for wire feeder systems DIX TR 150/300 For robotic and automatic torches LASER

Spare and wear parts



	Description	Part number
1	Guide roller D75, with double lock	7410081110
2	Guide roller D75	7410081109
3	Roller base 80 180, 80 mm x 40 mm	7410081108
4	Universal holder with Velcro tape 8 180	7410081111
5	T-nut V8 ST, M5, 8 pieces	7410081112



System holder for supply hose

For robotic- and automatic torch heads

LASER

2



Tools and accessories

Description	Diameter nominal	Dimension (W/H/D in mm)	Part name	Part number
1 Holder Fixing for cover hose set DIX VL 230-__	DN 29	71.6/49.5/30	DIX VLH 29	62923550413
Holder Fixing for intermediate hose package DIX ZSR 70-__, DIX ZSZR 70-__, DIX WFL-400/550-__ and VSD package DIX WFL-S-__	DN 36	88.6/61.6/30	DIX VLH 36	62923550313
Holder Fixing for intermediate hose package DIX ZSZR 95-__ and VSD package DIX WFL-S-__, DIX WFL-SE-__	DN 48	88.6/72.5/30	DIX VLH 48	62923550213

-- Enter the desired length of the cover hose set, intermediate hose package or VSD package. Please ask your DINSE consultant.

► Mounting parts and other nominal diameters on request



Wire adjusting units

DIX DRE 100, DIX DRE 100 V, DIX DRE 101

For robotic and automatic torch sets LASER

Properties

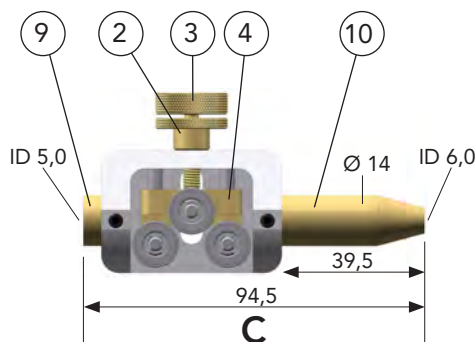
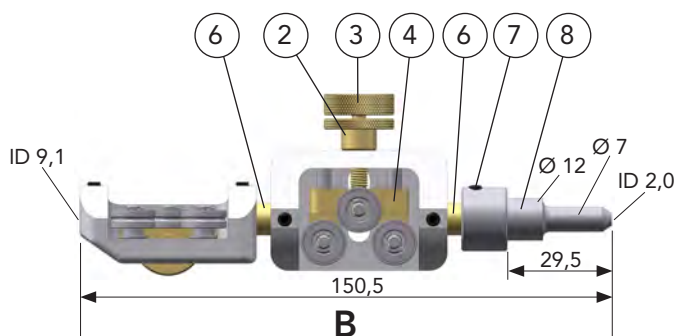
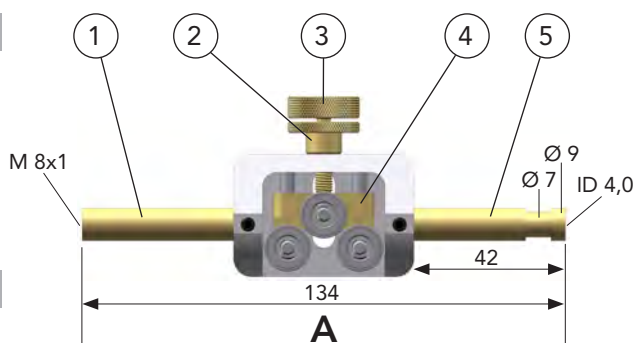
- ▶ Small design
- ▶ Low weight
- ▶ Accurate wire aligning

Application

- ▶ Steel welding wire
- ▶ Aluminum welding wire
- ▶ Flux-cored welding wire

Technical data:

Wire diameter: 0.6 - 1.6 mm



Description	Part name	Part number
A Wire adjusting unit	DIX DRE 100	6382600100
B Wire adjusting unit package	DIX DRE 100 V	6382600101
C Wire adjusting unit	DIX DRE 101	6382610100
Spare and wear parts		
1 End sleeve 2	DIX DRE 100-08	6382608100
2 Lock nut	DIX DRE 100-06	6382606100
3 Adjusting screw	DIX DRE 100-05	6382605100
4 Slide bar	DIX DRE 100-02	6382602100
5 End sleeve 1	DIX DRE 100-07	6382607100
6 End sleeve	DIX DRE 100-10	6382610402
7 Screw pin M 4x 6 ISO4026 sw 45H		6390601400022
8 Wire guide	DIX FD100 WG-PNV	7430030063
9 Intake spout	DIX DRE 100 FLD	6382610101
10 End sleeve	DIX DRE 100-01 FLD	6382610102

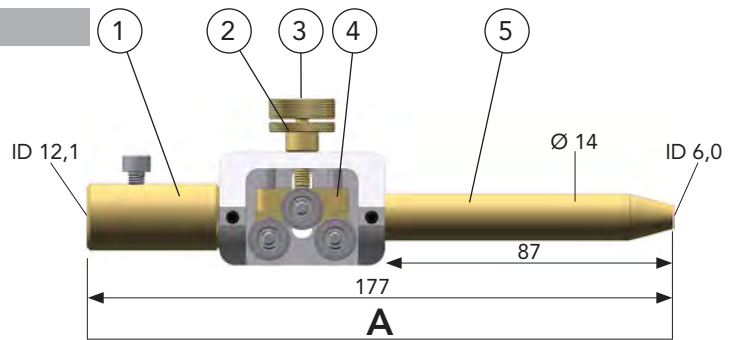
Wire adjusting units

DIX DRE 102, DIX DRE 103, DIX DRE 104

For robotic and automatic torch sets LASER

Properties

- ▶ Small design
- ▶ Low weight
- ▶ Accurate wire aligning

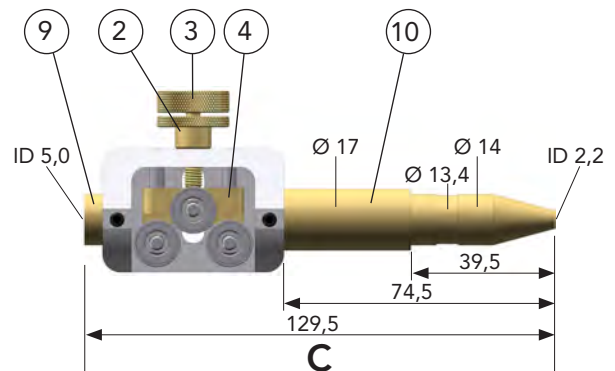
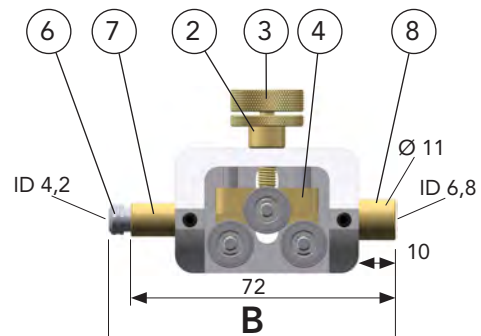


Application

- ▶ Steel welding wire
- ▶ Aluminum welding wire
- ▶ Flux-cored welding wire

Technical data:

Wire diameter: 0.6 - 1.6 mm



Description	Part name	Part number
A Wire adjusting unit	DIX DRE 102	6382610200
B Wire adjusting unit	DIX DRE 103	6382610300
C Wire adjusting unit	DIX DRE 104	6382610400

Spare and wear parts

1 Intake spout, complete	DIX DRE 102-02	6382610201
2 Lock nut	DIX DRE 100-06	6382606100
3 Adjusting screw	DIX DRE 100-05	6382605100
4 Slide bar	DIX DRE 100-02	6382602100
5 End sleeve	DIX DRE 102-01	6382610202
6 Clamp sleeve	DIX SH 270	629270270
7 SH Aufnahme	DIX DRE 103-01	6382610301
8 Fixture	DIX DRE 103-02	6382610302
9 Intake spout	DIX DRE 100 FLD	6382610101
10 End sleeve	DIX DRE 104-01	6382610401



Wire adjusting units DIX DRE 360 (S) For robotic and automatic torch sets MIG/MAG, LASER

Properties

- ▶ Small design
- ▶ Low weight
- ▶ Accurate wire aligning
- ▶ Straightening units can be arranged at any angle to each other
- ▶ The housing protects the adjusting unit from dirt for a long service life
- ▶ Adjustment screws secured by anti-twist protection
- ▶ Modular design to couple almost any number of wire adjusting units to each other
- ▶ Universal flange design to easily provide the wire adjusting unit with other connections
- ▶ Suitable for hot wire applications, with protective insulation
- ▶ Goes perfectly with the DIX FD 10x LS(WB) and / or at the Supraliner DIX VLSL 201

Application

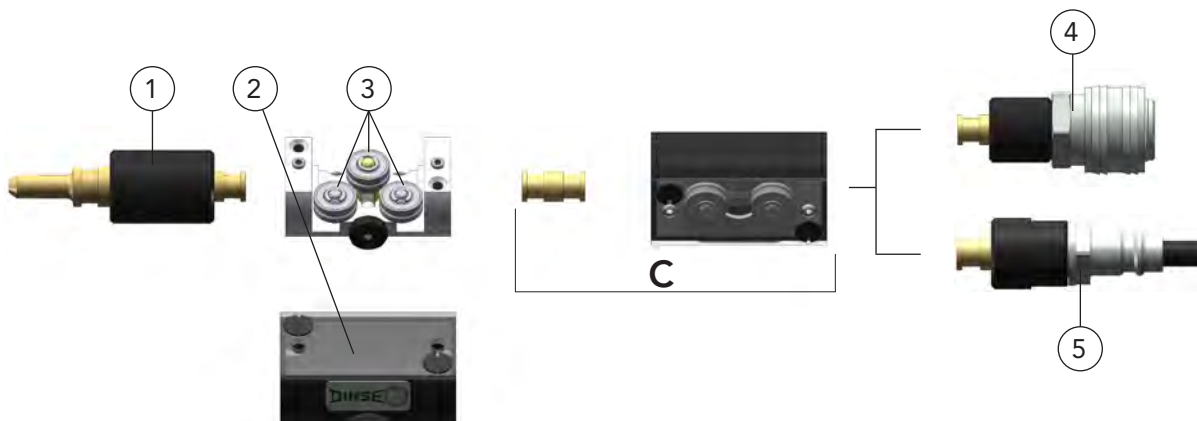
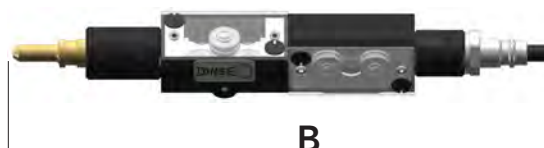
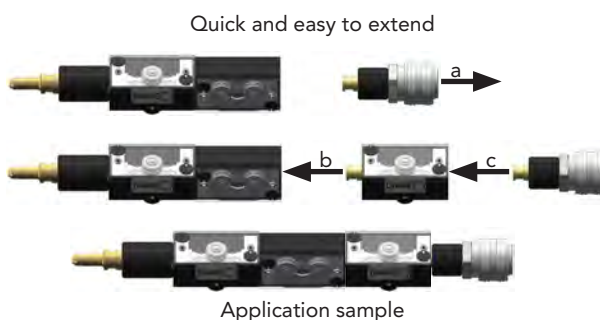
- ▶ Steel welding wire
- ▶ Aluminum welding wire
- ▶ Flux-cored welding wire
- ▶ and all other welding wires

Technical data:

Wire diameter: 0.6 - 1.6 mm



Wire adjusting unit DRE 360 at front drive FD 100 LS
Application sample

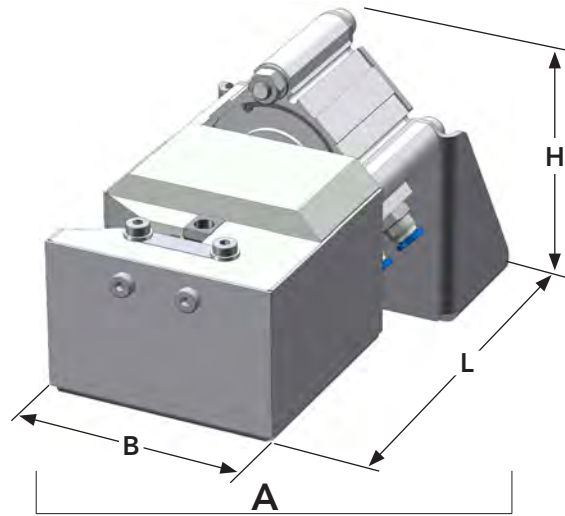


Description	Part name	Part number
A Wire adjusting unit for DIX FD 10x LS(WB)	DIX DRE 360	6382610502
B Wire adjusting unit for DIX VLSL 201	DIX DRE 360 S	6382610523
C Wire adjusting unit extension	DIX DRE 360 EM	6382610522
Spare and wear parts		
1 Coupling drive view	DIX DRE 360 CFD	6382610521
2 Cover complete	DIX DRE 360 C	6382610508
3 Guide roll	DIX DRE 100-09	6382609100
4 Coupling socket	DIX DRE 360 SO	6382610520
5 Coupling plug	DIX DRE 360 PN	6382610524

Wire cutter DIX WCU 700 For robotic and automatic torches LASER

Properties

- ▶ Specially designed for laser welding applications
 - ▶ Two-stage cutting
This means that the welding wire is clamped precisely above the cutting point before cutting in order to avoid bending the welding wire.
 - ▶ Robust and compact design
 - ▶ Precise cutting process, even on hard and thick wires
 - ▶ Precise wire alignment
 - ▶ High TCP repeat accuracy by clamping the wire during the cutting process
 - ▶ Very long service life of the cutting insert due to four-way turning capability
- ▶ **Optionally:**
Cylinder switch, WCU 700 (End position sensor)



Technical data:

Cutting performance at 6 bar working pressure	
Solid wires	up to wire-Ø 1.6 mm
Flux-cored wires	up to wire-Ø 3.2 mm
Working pressure	6 – 8 bar
Dimensions (L/W/H)	approx. 224 / 115 / 140 mm
Weight	approx. 3.5 kg

Application

- ▶ Steel welding wires
- ▶ Aluminium welding wires
- ▶ Flux-cored wires



Application sample

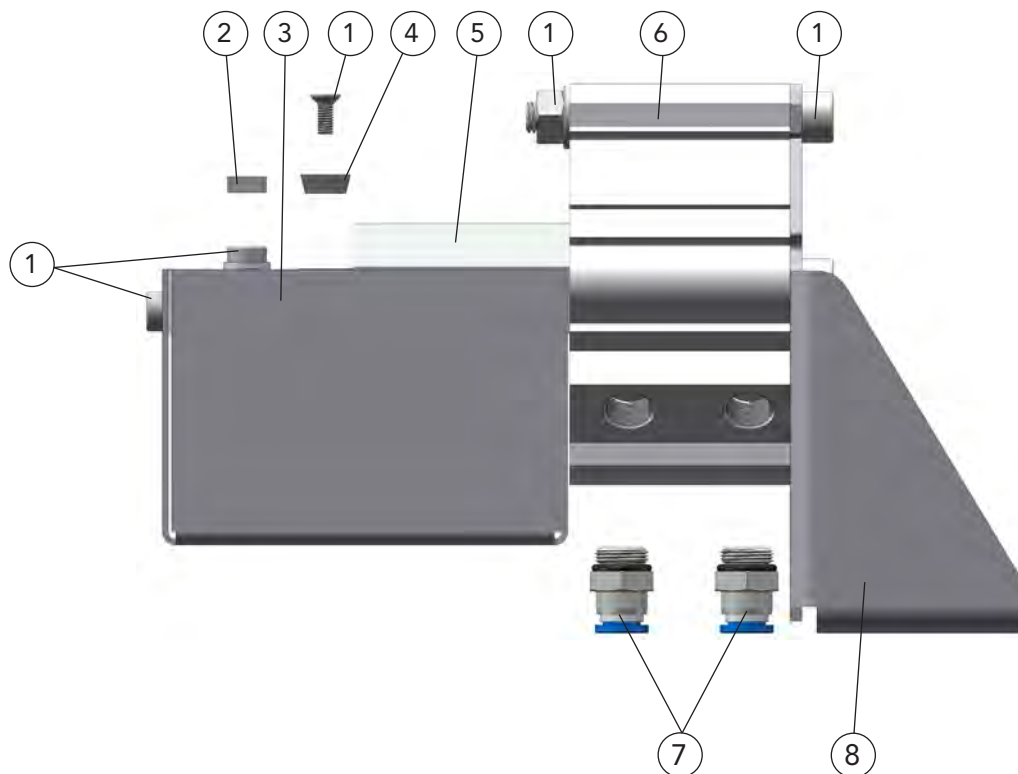
Description	Part name	Part number
A Wire cutter	DIX WCU 700	811012080
Optionally:		
Cylinder switch, WCU 700		811012093



Wire cutter DIX WCU 700 For robotic and automatic torches LASER



Spare and wear parts



2

Tools and accessories

Description	Part name	Part number
1 Schrauben-Set	DIX WCU 700 S	811012094
2 Counter bracket WCU 700		811012085
3 Tank WCU 700		811012092
4 Reversible cutting plate WCU 700		811012088
5 Ground plate WCU 700		811012082
Retaining plate WCU 700, not shown		811012086
Clamp WCU, not shown		811012084
Piston WCU 700, not shown		811012083
6 Compact cylinder WCU 700		811012089
7 Threaded joint G1/4 x 8 mm		719280009
8 Bracket WCU 700		811012087

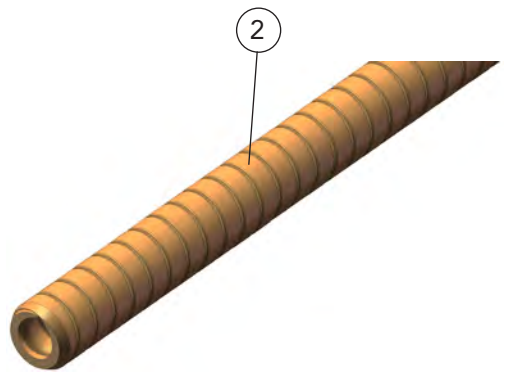
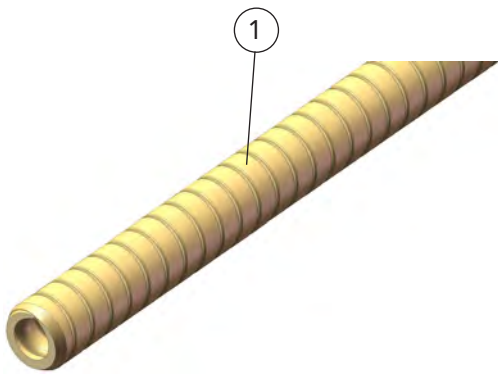


Liner

For robotic and automatic torches

LASER

2



Liner for welding wire of non- and low alloyed steels

Tools and accessories

	Description	Dimension I _D /length/color	Part name		Part number
1	Liner For wire diameter 0.8 mm	ø 1.5 mm / 50 m brass-plated steel	DIX	DS 4/1.5-50	613000100
	Liner For wire diameter 1.0 mm (PUSH-PUSH/PULL wire diameter 0.8 mm)	ø 1.8 mm / 50 m brass-plated steel	DIX	DS 4/1.8-50	613000200
	Liner For wire diameter 1.2 mm (PUSH-PUSH/PULL wire diameter 1.0 mm)	ø 2.2 mm / 50 m brass-plated steel	DIX	DS 4/2.2-50	623000300
	Liner For wire diameter 1.4 mm (PUSH-PUSH/PULL wire diameter 1.2 mm)	ø 2.4 mm / 50 m brass-plated steel	DIX	DS 4/2.4-50	623000400
	Liner For wire diameter 1.6 mm (PUSH-PUSH/PULL wire diameter 1.2 mm)	ø 2.9 mm / 50 m brass-plated steel	DIX	DS 4/2.9-50	623001500
2	Bronze Liner for wire diameter 1.2 mm, (PUSH-PUSH/PULL wire diameter 1.0 mm)	ø 2,2 mm / 25 m Bronze	DIX	DS 4/2,2- 25	623001200

➤ Liner for other wire diameters on request.



Liner

Pre-cut parts



2

Description	Dimensions ID/length	Part name	Part number
1 Liner	∅ 1.5 mm / 0.2 m	DIX DS 4/1.5- 0.2	613000102
Liner	∅ 1.5 mm / 3.5 m	DIX DS 4/1.5- 3.5	613000135
Liner	∅ 1.5 mm / 5.5 m	DIX DS 4/1.5- 5.5	613000155
Liner	∅ 1.5 mm / 7.5 m	DIX DS 4/1.5- 7.5	613000175
Liner	∅ 1.5 mm / 8.5 m	DIX DS 4/1.5- 8.5	613000185
Liner	∅ 1.5 mm / 10.5 m	DIX DS 4/1.5- 10.5	6130001105
Liner	∅ 1.5 mm / 15.5 m	DIX DS 4/1.5- 15.5	6130001155
Liner	∅ 1.8 mm / 0.2 m	DIX DS 4/1.8- 0.2	613000202
Liner	∅ 1.8 mm / 0.3 m	DIX DS 4/1.8- 0.3	639300001
Liner	∅ 1.8 mm / 0.5 m	DIX DS 4/1.8- 0.5	639300004
Liner	∅ 1.8 mm / 3.5 m	DIX DS 4/1.8- 3.5	613000235
Liner	∅ 1.8 mm / 4.5 m	DIX DS 4/1.8- 4.5	613000245
Liner	∅ 1.8 mm / 5.5 m	DIX DS 4/1.8- 5.5	613000255
Liner	∅ 1.8 mm / 8.5 m	DIX DS 4/1.8- 8.5	613000285
Liner	∅ 1.8 mm / 10.5 m	DIX DS 4/1.8- 10.5	6130002105
Liner	∅ 1.8 mm / 12.5 m	DIX DS 4/1.8- 12.5	6130002125
Liner	∅ 1.8 mm / 15.5 m	DIX DS 4/1.8- 15.5	6130002155
Liner	∅ 2.2 mm / 0.2 m	DIX DS 4/2.2- 0.2	623000302
Liner	∅ 2.2 mm / 0.3 m	DIX DS 4/2.2- 0.3	639300002
Liner	∅ 2.2 mm / 0.5 m	DIX DS 4/2.2- 0.5	623000305
Liner	∅ 2.2 mm / 1.0 m	DIX DS 4/2.2- 1	623000310
Liner	∅ 2.2 mm / 7.5 m	DIX DS 4/2.2- 7.5	623000375
Liner	∅ 2.2 mm / 8.5 m	DIX DS 4/2.2- 8.5	623000385
Liner	∅ 2.2 mm / 10.5 m	DIX DS 4/2.2- 10.5	6230003105
Liner	∅ 2.2 mm / 15.5 m	DIX DS 4/2.2- 15.5	6230003155
Liner	∅ 2.4 mm / 0.2 m	DIX DS 4/2.4- 0.2	623000402
Liner	∅ 2.4 mm / 8.5 m	DIX DS 4/2.4- 8.5	623000485
Liner	∅ 2.4 mm / 10.5 m	DIX DS 4/2.4- 10.5	6230004105
Liner	∅ 2.4 mm / 15.5 m	DIX DS 4/2.4- 15.5	6230004155
Liner	∅ 2.9 mm / 0.2 m	DIX DS 4/2.9- 0.2	623000502
Liner	∅ 2.9 mm / 0.25 m	DIX DS 4/2.9- 0.25	6230005025
Liner	∅ 2.9 mm / 2.7 m	DIX DS 4/2.9- 2.7	623000527
Liner	∅ 2.9 mm / 3.5 m	DIX DS 4/2.9- 3.5	623000535
Liner	∅ 2.9 mm / 4.5 m	DIX DS 4/2.9- 4.5	623000545
Liner	∅ 2.9 mm / 5.5 m	DIX DS 4/2.9- 5.5	623000555
Liner	∅ 2.9 mm / 8.5 m	DIX DS 4/2.9- 8.5	623000585
Liner	∅ 2.9 mm / 10.5 m	DIX DS 4/2.9- 10.5	6230005105
Liner	∅ 2.9 mm / 12.5 m	DIX DS 4/2.9- 12.5	6230005125
2 Bronze Liner	∅ 2.2 mm / 0.228 m	DIX DS 4/2.2- 228	6230012228

➤ Further pre-cut parts on request.

Tools and accessories

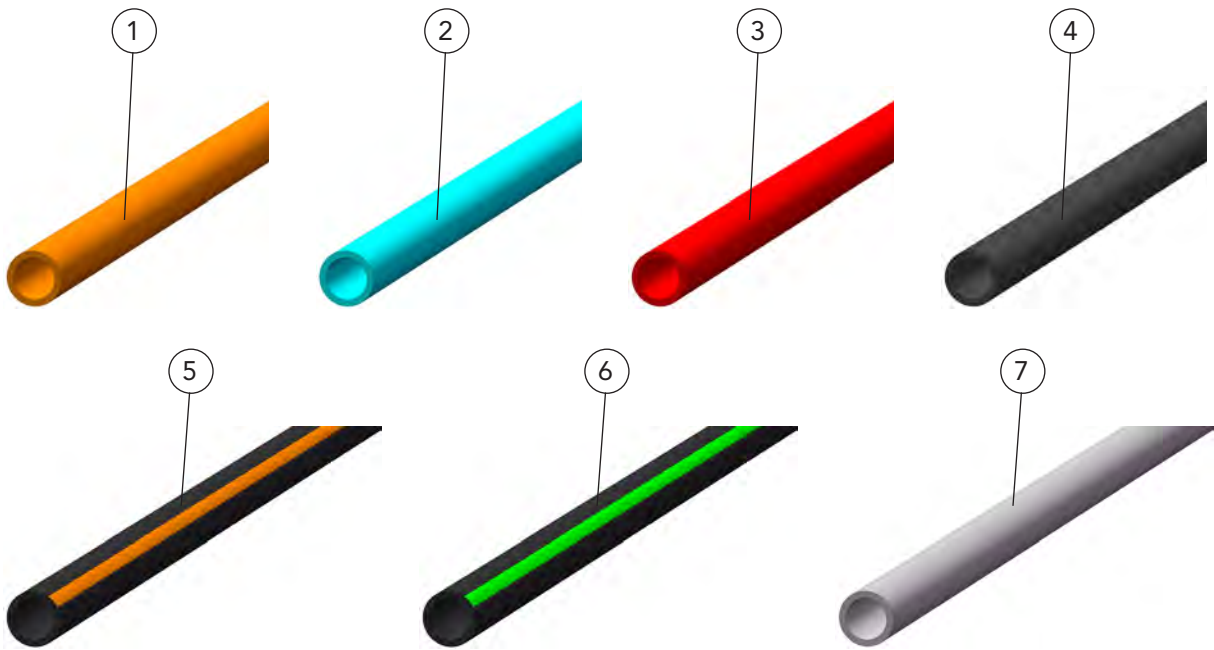


Capillary liner

For robotic and automatic torches MIG/MAG, TIG

2

Tools and accessories



Capillary liner for welding wire of high alloyed steels, copper-, aluminum-, magnesium- and nickel alloys

	Description	Dimension ID/length/color	Part name		Part number
1	Capillary liner For wire diameter 0.8 mm	ø 1.65 mm / 100 m orange	DIX	DSK 1-100	613002000
2	Capillary liner For wire diameter 1.0 and 1.2 mm (PUSH-PUSH/PULL wire diameter 0.8 mm)	ø 2.25 mm / 100 m turquoise	DIX	DSK 2-100	623002000
3	Capillary liner For wire diameter 1.6 mm (PUSH-PUSH/PULL wire diameter 1.2 mm)	ø 2.95 mm / 100 m red	DIX	DSK 3-100	623002500
4	Capillary liner with a very high bending strength For wire diameter 1.0 and 1.2 mm (PUSH-PUSH/PULL wire diameter 0.8 mm)	ø 2.00 mm / 50 m black	DIX	DSK 4-50	623002700
Capillary liner for special use with high - temperature applications					
5	Capillary liner For wire diameter 0.8 mm	ø 1.5 mm / 100 m black / orange	DIX	DST 1-100	613001000
6	Capillary liner For wire diameter 1.0 and 1.2 mm (PUSH-PUSH/PULL wire diameter 0.8 mm)	ø 2.2 mm / 100 m black / green	DIX	DST 2-100	623001000
Capillary liner for special use with high - abrasive applications					
7	Capillary liner For wire diameter 1.0 and 1.2 mm (PUSH-PUSH/PULL wire diameter 0.8 mm)	ø 2.3 mm / 100 m grey	DIX	DSS 2-100	623003000

➤ Capillary liner for other wire diameters on request.



Capillary liner

Pre-cut parts



2

Tools and accessories

	Description	Dimension ID/length	Part name	Part number
1	Capillary liner	ø 1.65 mm / 0.2 m	DIX DSK 1- 0.2	613002002
	Capillary liner	ø 1.65 mm / 0.3 m	DIX DSK 1- 0.3	613002003
	Capillary liner	ø 1.65 mm / 2.5 m	DIX DSK 1- 2.5	613002025
	Capillary liner	ø 1.65 mm / 3.5 m	DIX DSK 1- 3.5	613002035
	Capillary liner	ø 1.65 mm / 4.5 m	DIX DSK 1- 4.5	613002045
	Capillary liner	ø 1.65 mm / 5.5 m	DIX DSK 1- 5.5	613002055
	Capillary liner	ø 1.65 mm / 10.5 m	DIX DSK 1- 10.5	6130020105
	2	Capillary liner	ø 2.25 mm / 0.2 m	DIX DSK 2- 0.2
Capillary liner		ø 2.25 mm / 0.3 m	DIX DSK 2- 0.3	623002003
Capillary liner		ø 2.25 mm / 1.5 m	DIX DSK 2- 1.5	623002015
Capillary liner		ø 2.25 mm / 1.7 m	DIX DSK 2- 1.7	623002017
Capillary liner		ø 2.25 mm / 2.5 m	DIX DSK 2- 2.5	623002025
Capillary liner		ø 2.25 mm / 3.5 m	DIX DSK 2- 3.5	623002035
Capillary liner		ø 2.25 mm / 4.5 m	DIX DSK 2- 4.5	623002045
Capillary liner		ø 2.25 mm / 5.5 m	DIX DSK 2- 5.5	623002055
Capillary liner		ø 2.25 mm / 6.5 m	DIX DSK 2- 6.5	623002065
Capillary liner		ø 2.25 mm / 8.5 m	DIX DSK 2- 8.5	623002085
Capillary liner		ø 2.25 mm / 10.5 m	DIX DSK 2- 10.5	6230020105
Capillary liner		ø 2.25 mm / 15.5 m	DIX DSK 2- 15.5	6230020155
3		Capillary liner	ø 2.95 mm / 0.078 m	DIX DSK 3- 0.078
	Capillary liner	ø 2.95 mm / 0.2 m	DIX DSK 3- 0.2	623002502
	Capillary liner	ø 2.95 mm / 0.25 m	DIX DSK 3- 0.25	6230025025
	Capillary liner	ø 2.95 mm / 0.3 m	DIX DSK 3- 0.3	6230025030
	Capillary liner	ø 2.95 mm / 2.5 m	DIX DSK 3- 2.5	623002525
	Capillary liner	ø 2.95 mm / 3.5 m	DIX DSK 3- 3.5	623002535
	Capillary liner	ø 2.95 mm / 4.5 m	DIX DSK 3- 4.5	623002545
	Capillary liner	ø 2.95 mm / 5.5 m	DIX DSK 3- 5.5	623002555
	Capillary liner	ø 2.95 mm / 7.5 m	DIX DSK 3- 7.5	623002575
	Capillary liner	ø 2.95 mm / 8.5 m	DIX DSK 3- 8.5	623002585
	Capillary liner	ø 2.95 mm / 10.5 m	DIX DSK 3- 10.5	6230025105
	Capillary liner	ø 2.95 mm / 12.5 m	DIX DSK 3- 12.5	6230025125
	4	Capillary liner	ø 2.00 mm / 2.5 m	DIX DSK 4- 2.5
5	Capillary liner	ø 1.5 mm / 0.2 m	DIX DST 1- 0.2	613001302
	Capillary liner	ø 1.5 mm / 3.5 m	DIX DST 1- 3.5	613001350
	Capillary liner	ø 1.5 mm / 4.5 m	DIX DST 1- 4.5	613001450
	Capillary liner	ø 1.5 mm / 5.5 m	DIX DST 1- 5.5	613001550
	Capillary liner	ø 1.5 mm / 10 m	DIX DST 1- 10	6130011000
6	Capillary liner	ø 2.2 mm / 0.2 m	DIX DST 2- 0.2	623001002
	Capillary liner	ø 2.2 mm / 0.3 m	DIX DST 2- 0.3	623001003
	Capillary liner	ø 2.2 mm / 0.5 m	DIX DST 2- 0.5	623001005
	Capillary liner	ø 2.2 mm / 2.5 m	DIX DST 2- 2.5	623001250
	Capillary liner	ø 2.2 mm / 3.5 m	DIX DST 2- 3.5	623001350
	Capillary liner	ø 2.2 mm / 4.5 m	DIX DST 2- 4.5	623001450
	Capillary liner	ø 2.2 mm / 5.5 m	DIX DST 2- 5.5	623001550
	Capillary liner	ø 2.2 mm / 6.5 m	DIX DST 2- 6.5	623001650
7	Capillary liner	ø 2.3 mm / 0.2 m	DIX DSS 2- 0.2	623003002
	Capillary liner	ø 2.3 mm / 0.6 m	DIX DSS 2- 0.6	623003006
	Capillary liner	ø 2.3 mm / 3.5 m	DIX DSS 2- 3.5	623003035
	Capillary liner	ø 2.3 mm / 4.5 m	DIX DSS 2- 4.5	623003045
	Capillary liner	ø 2.3 mm / 5.5 m	DIX DSS 2- 5.5	623003055
	Capillary liner	ø 2.3 mm / 6.5 m	DIX DSS 2- 6.5	623003065
	Capillary liner	ø 2.3 mm / 8.5 m	DIX DSS 2- 8.5	623003085

➤ Further pre-cut parts on request.





Distance sleeves

For manual, robotic and automatic torches
MIG/MAG, TIG, LASER

2



Tools and accessories

Description	Dimension	Part name		Part number
1 Distance sleeve		DIX	DSH 5900	638100006
2 Distance sleeve		DIX	DSH 3/001	638100005
For torch heads (LASER): LH 1xx SW/AW/SB, LHZ 100/0xx				
Capillary liner, not shown	ø2.2 mm/0.3 m	DIX	DSK 2-0.3	623002003



ECO.flow pressure regulator

For robotic- and automatic torch heads

LASER



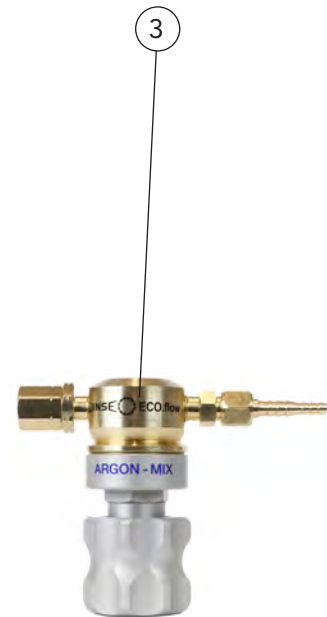
2



Application sample



Application sample



Application sample

Tools and accessories

Description	In	Out	max. pressure / flow rate	Part name	Part number
Cylinder pressure reducer					
1 Pressure regulator**	W21,8x1/14"	G1/4"	200 bar / 0-20 l/min	DIX DRV-100	628080100
Pressure regulator**	W21,8x1/14"	G3/8"	200 bar / 0-34 l/min	DIX DRV-101	628080101
Pressure regulator*, lockable	W21,8x1/14"	G1/4"	200 bar / 0-20 l/min	DIX DRV-102	628080102
Pressure regulator*, lockable	W21,8x1/14"	G1/4"	200 bar / 0-34 l/min	DIX DRV-103	628080103
Pressure regulator*, with two flowmeters	W21,8x1/14"	G1/4"	200 bar / 0-20/34l/min	DIX DRV-104	628080104
Pressure regulator*	W30x2	G1/4"	300 bar / 0-20 l/min	DIX DRV-105	628080105
Pressure regulator*	W30x2	G1/4"	300 bar / 0-34 l/min	DIX DRV-106	628080106
Pressure regulator*, lockable	W30x2	G1/4"	300 bar / 0-20 l/min	DIX DRV-107	628080107
Pressure regulator*, lockable	W30x2	G1/4"	300 bar / 0-34 l/min	DIX DRV-108	628080108
Sampling points pressure regulator					
2 Pressure regulator*	G3/8"	G1/4"	10 bar / 0-20 l/min	DIX DRV-200	628080200
Pressure regulator*	G3/8"	G1/4"	10 bar / 0-34 l/min	DIX DRV-201	628080201
Pressure regulator*, lockable	G3/8"	G1/4"	10 bar / 0-20 l/min	DIX DRV-202	628080202
Pressure regulator*, lockable	G3/8"	G1/4"	10 bar / 0-34 l/min	DIX DRV-203	628080203
Pressure regulator*, lockable	G3/8"	G3/8"	10 bar / 0-34 l/min	DIX DRV-204	628080204
Built-in pressure regulator					
3 Pressure regulator*, without handwheel	G1/4"	G1/4"	10 bar	DIX DRV-301	628080301
Pressure regulator*, with handwheel	G1/4"	G1/4"	10 bar	DIX DRV-302	628080302

* Ar/mix

** Ar/mix alternatively CO²

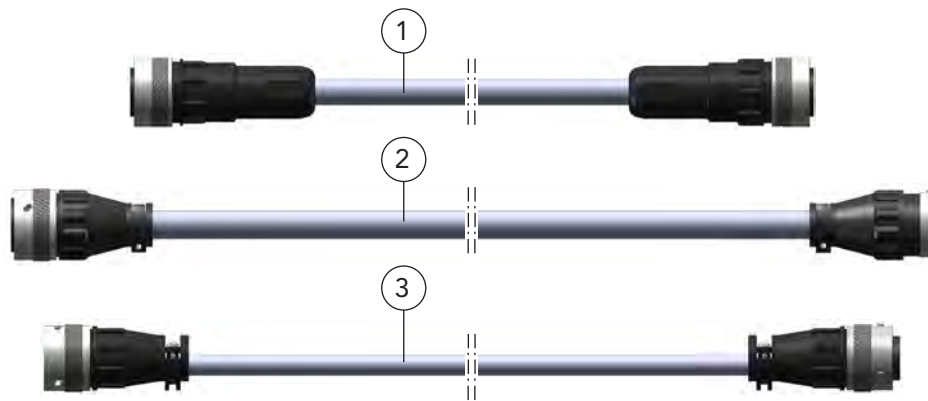


Connection cable, extension cable

DIX WDVK 300

DIX WDVL 300

DIX WDVK 303



	Description	Length	Part name	Part number
1	Connection cable, electrical connection of drive unit and control unit	1.00 m	DIX WDVK 300- 1	738090001
	Connection cable, electrical connection of drive unit and control unit	2.00 m	DIX WDVK 300- 2	738090036
	Connection cable, electrical connection of drive unit and control unit	3.00 m	DIX WDVK 300- 3	738090004
	Connection cable, electrical connection of drive unit and control unit	6.00 m	DIX WDVK 300- 6	738090006
	Connection cable, electrical connection of drive unit and control unit	7.00 m	DIX WDVK 300- 7	738090046
	Connection cable, electrical connection of drive unit and control unit	9.00 m	DIX WDVK 300- 9	738090111
	Connection cable, electrical connection of drive unit and control unit	10.00 m	DIX WDVK 300-10	738090015
	Connection cable, electrical connection of drive unit and control unit	12.50 m	DIX WDVK 300-12.5	738090012
	Connection cable, electrical connection of drive unit and control unit	15.00 m	DIX WDVK 300-15	738090047
	Connection cable, electrical connection of drive unit and control unit	16.00 m	DIX WDVK 300-16	738090092
	Connection cable, electrical connection of drive unit and control unit	17.00 m	DIX WDVK 300-17	738090033
	Connection cable, electrical connection of drive unit and control unit	18.00 m	DIX WDVK 300-18	738090098
Connection cable, electrical connection of drive unit and control unit	20.00 m	DIX WDVK 300-20	738090032	
2	Extension cable, for connection cable WDVK 300	2.00 m	DIX WDVL 300- 2	738090087
	Extension cable, for connection cable WDVK 300	5.00 m	DIX WDVL 300- 5	738090076
	Extension cable, for connection cable WDVK 300	6.00 m	DIX WDVL 300- 6	738090039
	Extension cable, for connection cable WDVK 300	8.00 m	DIX WDVL 300- 8	738090042
	Extension cable, for connection cable WDVK 300	10.00 m	DIX WDVL 300-10	738090088
	Extension cable, for connection cable WDVK 300	11.00 m	DIX WDVL 300-11	738090011
3	Connection cable, electrical connection of wire feeder and control unit	1.00 m	DIX WDVK 303- 1	738090086
	Connection cable, electrical connection of wire feeder and control unit	2.00 m	DIX WDVK 303- 2	738090095
	Connection cable, electrical connection of wire feeder and control unit	3.00 m	DIX WDVK 303- 3	738090054
	Connection cable, electrical connection of wire feeder and control unit	5.00 m	DIX WDVK 303- 5	738090056
	Connection cable, electrical connection of wire feeder and control unit	8.00 m	DIX WDVK 303- 8	738090049
	Connection cable, electrical connection of wire feeder and control unit	10.00 m	DIX WDVK 303-10	738090061
	Connection cable, electrical connection of wire feeder and control unit	11.00 m	DIX WDVK 303-11	738090097
	Connection cable, electrical connection of wire feeder and control unit	12.50 m	DIX WDVK 303-12.5	738090055
	Connection cable, electrical connection of wire feeder and control unit	15.00 m	DIX WDVK 303-15	738090077
	Connection cable, electrical connection of wire feeder and control unit	17.50 m	DIX WDVK 303-17.5	738090093
	Connection cable, electrical connection of wire feeder and control unit	20.00 m	DIX WDVK 303-20	738090078

- ▶ Other lengths on request.
- ▶ The combination of the WDVK 300 and the WDVL 300 should not exceed the maximum length of 20 m.

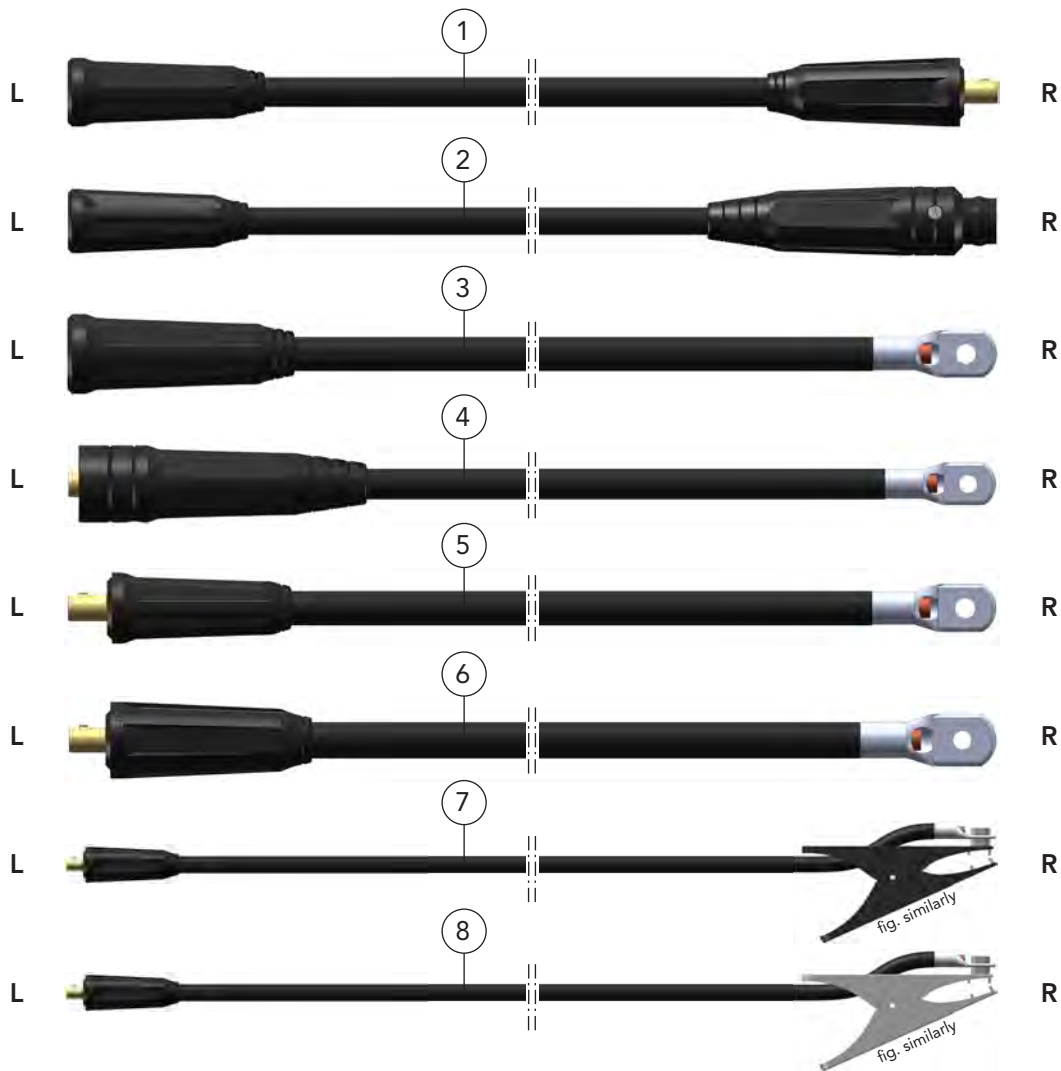


Ground cables

DIX BKK / SKK, DIX BKS / BKK, DIX BKK / KS, DIX SKS / KS
DIX GL-x / 70, DIX GL-x / 95, DIX GL.M



2



Description	Length x cross section	Connection L / R	Part name	Part number
1 Ground cable	9,0 m x 70 mm ²	BKK 70 / SKK 70	DIX BKK / SKK 70-9	629900294
Ground cable	11,5 m x 70 mm ²	BKK 70 / SKK 70	DIX BKK / SKK 70-11,5	629900295
Ground cable	15,0 m x 70 mm ²	BKK 70 / SKK 70	DIX BKK / SKK 70-15	629900300
2 Ground cable	15,0 m x 70 mm ²	BKK 70 / BKS 95-54*	DIX BKS / BKK 70-15 /54	629900341
3 Ground cable	13,0 m x 70 mm ²	BKK 70 / Cable lug M10	DIX BKK / KS 10mm-13	629900342
4 Ground cable	1,5 m x 70 mm ²	SKS 95 / Cable lug M10	DIX SKS / KS 10mm-1,5	629900343
5 Ground cable	1,5 m x 70 mm ²	SK 70 / Cable lug M10	DIX GL-1,5-70	7410087141
Ground cable	5,0 m x 70 mm ²	SK 70 / Cable lug M10	DIX GL-5/70	7410087005
Ground cable	10,0 m x 70 mm ²	SK 70 / Cable lug M10	DIX GL-10/70	7410087010
Ground cable	13,0 m x 70 mm ²	SK 70 / Cable lug M10	DIX GL-13/70	7410087145
Ground cable	18,0 m x 70 mm ²	SK 70 / Cable lug M10	DIX GL-18/70	7410087140
6 Ground cable	5,0 m x 95 mm ²	SKK 95 / Cable lug M10	DIX GL-5/95	7410089505
Ground cable	10,0 m x 95 mm ²	SKK 95 / Cable lug M10	DIX GL-10/95	7410089510
Ground cable	25,0 m x 95 mm ²	SKK 95 / Cable lug M10	DIX GL-25/95	7410089525
7 Ground cable	5,0 m x 95 mm ²	SKK 95 / Ground terminal	DIX GL-5/95/1	7410189505
8 Ground cable	4,0 m x 16 mm ²	SKM 25 / Metal sheet pliers 200A	DIX GL.M 16-4	7420070000
Ground cable	4,0 m x 25 mm ²	SK 25 / Metal sheet pliers 300A	DIX GL.M 25-4	7420070001
Ground cable	5,0 m x 35 mm ²	SK 50 / Metal sheet pliers 400A	DIX GL.M 35-5	7420070002
Ground cable	5,0m x 50 mm ²	SK 50 / Metal sheet pliers 400A	DIX GL.M 50-5	7420070003
Ground cable	5,0 m x 70 mm ²	SK 70 / Metal sheet pliers 500A	DIX GL.M 70-5	7420070004
Ground cable	5,0 m x 95 mm ²	SKK 95 / Metal sheet pliers 600A	DIX GL.M 95-5	7420070005

* The socket BKS 95-54 is water proof according class IP 54.



Digital Tacho Control

Wire measuring unit

LASER

2

Technical data:	
Digital Tacho Control	DTC 100
m/min	0.10-1999
ft/min	0.40-6550
in/min	4.00-78700
m/sec	0.10-33.30
ft/sec	0.10-109
m	0.00-99999
ft	0.00-99999
in	0.00-99999
Speed:	0,10-19999 U/min
Measurement precision:	± 0.02 % / ± 1 digit U/min
Maximum ambient temperature	- 20-70° C
Automatic shut-off after 30 sec	



- Advantage**
- ▶ Quality control in welding production
 - ▶ Tool for creating and documenting welding procedure specifications (WPS) and welding procedure qualification (WPAR)
 - ▶ Calculation of wire consumption at the welding production
 - ▶ Important tool at the welder training and carrying out of welding experiments
 - ▶ Evidence at the calibration of welding equipment

- Properties**
- ▶ Calibration certificate for DIN EN ISO 9001:2000
 - ▶ Detecting of rotation speed, wire speed, distance measurement, welding speed and amount of wire
 - ▶ Optical measuring with light or mechanical measuring with adapter

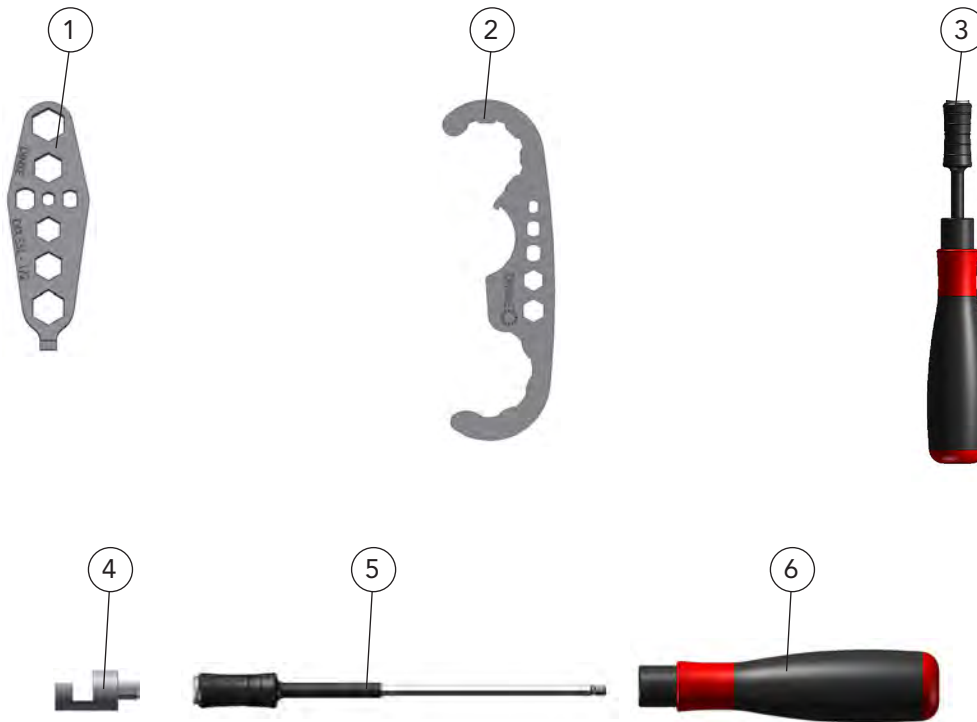
Description	Part name	Part number
Digital Tacho Control	DIX DTC 100	718163100



Service tools

For robotic and automatic torches

LASER



2

Description	Part name	Part number
1 Special spanner, for tighten M6 / M8 contact tips and tip adapters	DIX SSL 1/2	628010012
2 Hook spanner, for tighten robotic torch heads and automatic torch sets	DIX SLAT 4	6380160001
3 Torque wrench 1.1 Nm (without torque bit), for tighten contact tips	DIX DMS 100	638400002
Spare and wear parts for torque wrench Pos. 4		
4 Torque bit, for Pos. 3 and screwed contact tips M6	DIX DMB 100-M6	638400003
Torque bit, for Pos. 3 and screwed contact tips M8	DIX DMB 100-M8	638400005
5 Torque extension, for Pos. 6	DIX DMV 100	638400004
6 Torque transmitter, for tighten contact tips	DIX DMG 100-1.1 Nm	638400001

Tools and accessories





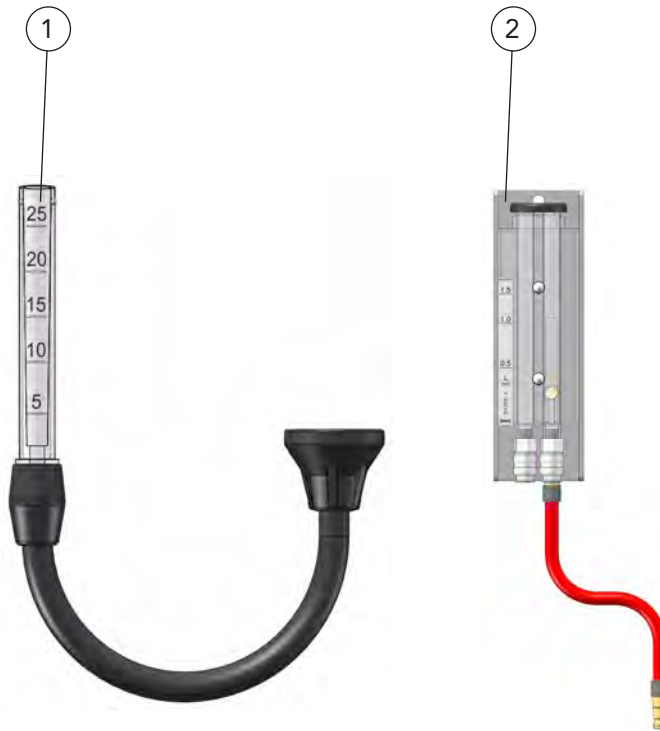
Service tools

For robotic and automatic torches

LASER

2

Tools and accessories



Description	Part name	Part number
1 Gas flow meter For robotic and automatic torches	DIX GMA 2	628080005
2 Flow meter For measuring coolant flow of liquid cooling units.	DIX DFZ 2	628091000



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