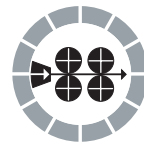




PRODUCT CATALOGUE

MANUAL



2022





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LIVE TO WELD.

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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.

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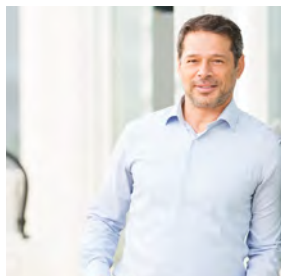


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IN OUR FLYERS YOU CAN FIND ALL DETAILS ABOUT A PRODUCT COMPACTLY SUMMARIZED:



BLACKline manual welding systems
Art.-Nr. WF1152



Torch set series with balljoint
DIX MQ(Z).NEO
Art.-Nr. WF1162



Push-Pull System
DIX MPZ.NEO
Art.-Nr. WF1902



Fume extraction torches
DIX MR / MR(Z) 8XE (mini)
Art.-Nr. WF1142

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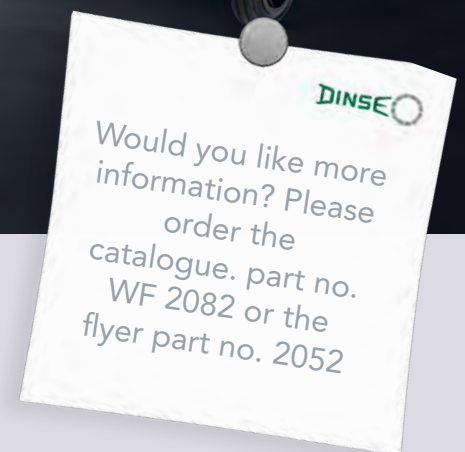
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WELDING EQUIPMENT MANUAL

DIX.M



The right machine for every welding project:

- ▶ Power levels from 150 to 500 amps
- ▶ Wide range of power sources with the latest inverter technology
- ▶ High-frequency ignition, modern software and digital control
- ▶ For industrial and professional MMA, WIG, MIG / MAG, MIG pulse and double pulse processes

A close-up photograph of a MIG/MAG welding torch. The torch is dark grey with a silver-colored nozzle. The nozzle is open, revealing the internal contact tip and the electrode holder. The electrode holder is a dark grey metal with a circular inset showing a close-up of the electrode tip. The background is a blurred light blue and white. The text '01' is overlaid in green, and 'MIG/MAG' is overlaid in white.

01

MIG/
MAG

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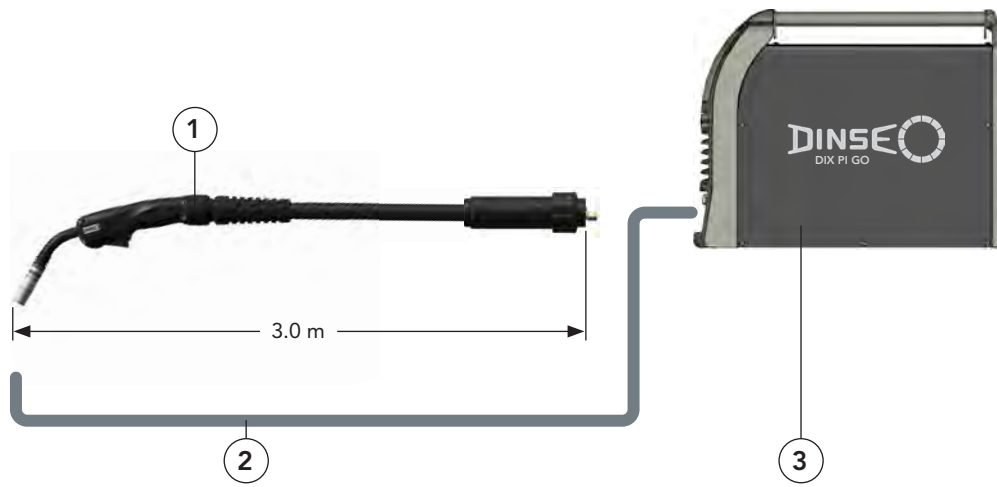




MIG/MAG welding systems gas cooled

Example: Equipment up to 200 A for steel wire with 0.8 mm Ø

1



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 Torch set, 4 m, page 108	DIX MQ 230.neo-3 SA	610212431
2 Ground cable 70mm ² , optionally	DIX GL-5/70	7410087005
3 Power source, with integrated wire feeder*	DIX PI GO 1156.M	7420010010
Pressure regulator, 0-30l/min, optionally, not shown, page 269	DIX DRV-100	628080100

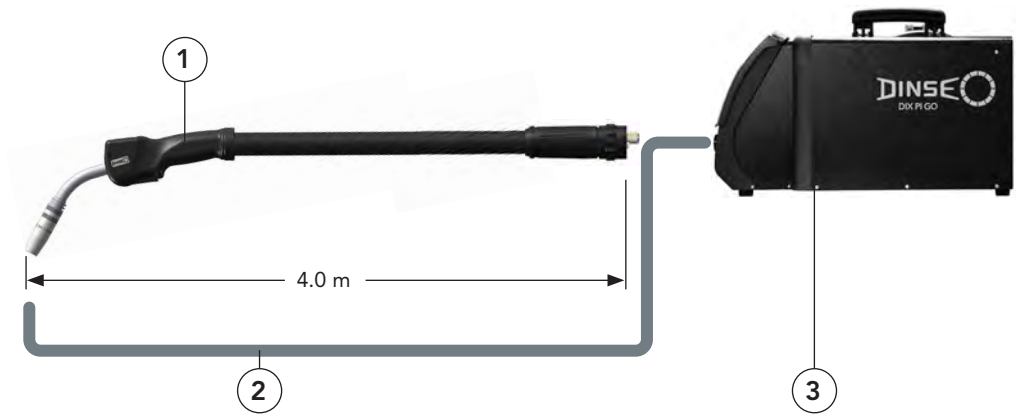
* You can find more information about our power sources in the DIX.M power source catalogue (part no.: WF2082)



MIG/MAG welding systems gas cooled




Example: Equipment up to 250 A for steel wire with 1.0 mm Ø



Description	Part name	Part number
1 Torch set, 3 m, page 51	DIX MF 340C-4 SA/___	620468___41
2 Ground cable 70mm ² , optionally	DIX GL-5/70	7410087005
3 Power source, with integrated wire feeder*	DIX PI.GO 2006.M	7420010012
Pressure regulator, 0-30l/min, optionally, not shown, page 269	DIX DRV-100	628080100

* You can find more information about our power sources in the DIX.M power source catalogue (part no.: WF2082)

 With this power source the polarity can be changed. This also makes it ideal for welding cored wires.

MIG/MAG Manual

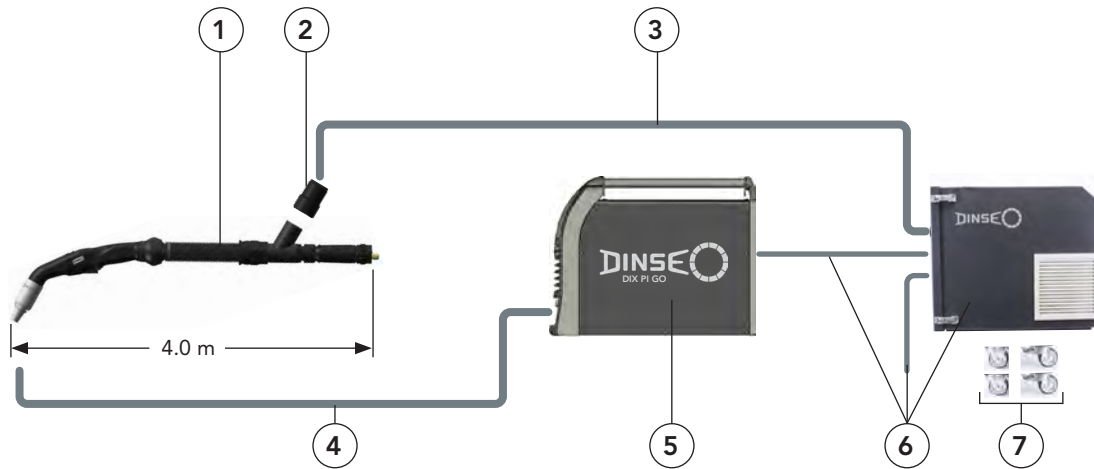




MIG/MAG welding systems gas cooled

Example: Equipment fume extraction up to 250 A for steel wire with 1.0 mm Ø

1



Description	Part name	Part number
1 Torch set, cover hose with 36 mm nominal width, page 159	DIX MR 340C-4 SA /BJ* /NW36**	620263841
2 Connecting piece, page 159	DIX HCA 45/50 MR/MRZ	629770000
3 Extraction hose Ø44-5 Superflex, 5m, page 243		629900079
4 Ground cable, optionally	DIX GL.M 50-5	7420070003
5 Power source, with integrated wire feeder***	DIX PI 3006.M I	7420010014
6 Fume extraction, page 242 incl. sensor cable FE 340-2.5 and mains cable, 3m	DIX FE 340 S	629900098
7 Wheel set, optionally	DIX FE 340 WS	629900099
Pressure regulator, 0-30l/min, optionally, not shown	DIX DRV-400	7420900007

* BJ = Ball joint

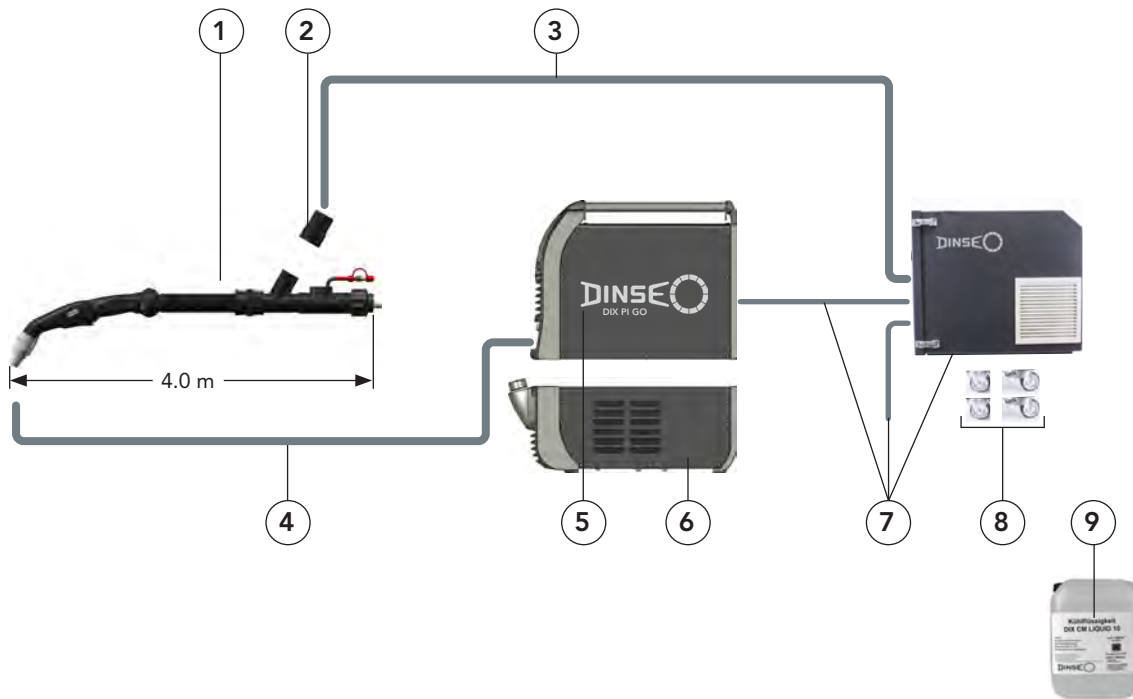
** NW36 = Nominal width of the cover hose

*** You can find more information about our power sources in the DIX.M power source catalogue (part no.: WF2082)



MIG/MAG welding systems liquid cooled

Example: Equipment fume extraction up to 320 A for steel wire with 1.2 mm Ø



Description	Part name	Part number
1 Torch set, page 191	DIX MRZ 304-4 SAZ /BJ* /NW36**	620368541
2 Connecting piece, page 191	DIX HCA 45/50 MR/MRZ	629770000
3 Extraction hose Ø44-5 Superflex, 5m, page 243		629900079
4 Ground cable, optionally	DIX GL.M 50-5	7420070003
5 Power source, with integrated wire feeder***	DIX PI 3006.M I PULS	7420010015
6 Cooling modul*	DIX CM 589.M	7420020002
7 Fume extraction, page 242 incl. sensor cable FE 340-2.5 and mains cable, 3m	DIX FE 340 S	629900098
8 Wheel set, optionally	DIX FE 340 WS	629900099
9 Cooling liquid, 10 litre, optionally	DIX CM LIQUID 10	7410082100
Trolley, for Power source DIX PI 3006.M I PULS, not shown	DIX T 3	7420050002
Pressure regulator, 0-30l/min, optionally, not shown	DIX DRV-400	7420900007

* BJ = Ball joint

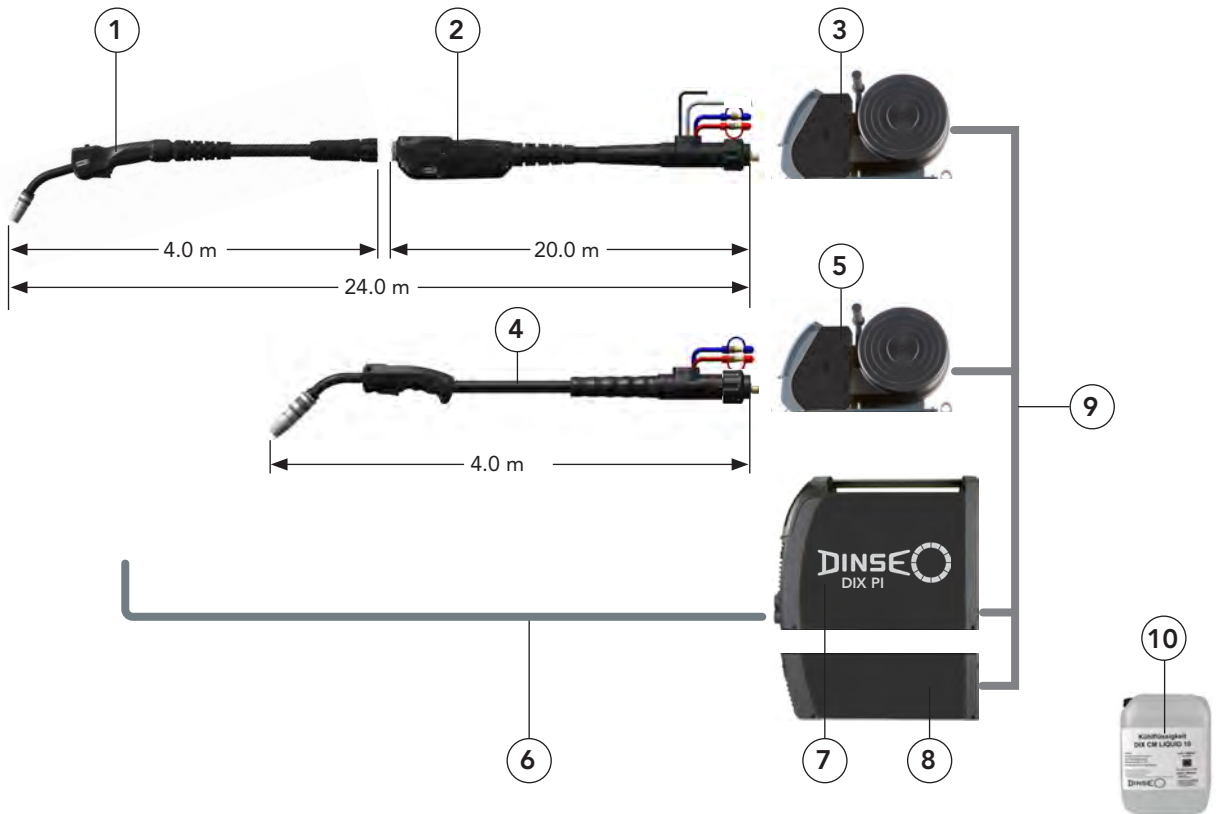
** NW36 = Nominal width of the cover hose

*** You can find more information about our power sources in the DIX.M power source catalogue (part no.: WF2082)



MIG/MAG welding systems liquid cooled

Example: Equipment 2 wire feeder liquid cooled without and with PUSH-PULL up to 500 A for steel wire with 1.2 mm Ø



Description	Part name	Part number
1 Torch set, page 136	DIX MQFZ 304.neo-4 SADZ	620324648
2 Torch set, page 130	DIX MPZ.neo-20	620374001
3 Wire feeder 1*, PUSH-PULL controlled	DIX WF 793.M	7420030000
4 Torch set, page 84	DIX MSZ 306-4 SAZ	620316341
5 Wire feeder 2*, PUSH controlled	DIX WF 793.M	7420030000
6 Ground cable, optionally	DIX GL.M 70-5	7420070004
7 Power source*, for 2 wire feeder	DIX PI 4606.M DF PULS	7420010023
8 Cooling modul*	DIX CM 653.M	7420020004
9 Intermediate hose package	DIX WFL-1.2/SW - PI.M	7420040000
10 Cooling liquid, 10 litre, optionally	DIX CM LIQUID 10	7410082100
Pressure regulator, 0-30l/min, optionally, not shown	DIX DRV-400	7420900007

* You can find more information about our power sources, cooling moduls and wire feeders in the DIX.M power source catalogue (part no.: WF2082).



BLACKline Torch sets gas-cooled DIX MS/MG 230 up to 250A



Properties

- ▶ Flexible supply hose
- ▶ Bend protection at the torch and the plug
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gas reduction by laminar gas flow and design of the tip adapter
- ▶ No gas loss due to separate shield gas feed

- ▶ Options:
Diameter reduced gas nozzle



Design with handle type MS



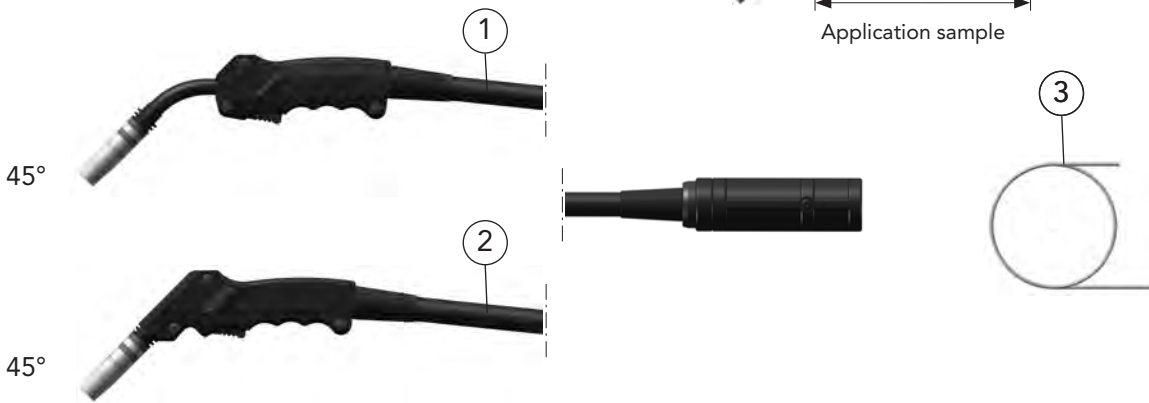
Design with handle type MG

Application

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

Technical data (DIN EN 60 974-7):

CO ₂ :	duty cycle 250A/60%
Mixed gas:	200A/60%
Wire diameter:	0.8 - 1.0 mm



	Description	Dimension	Part name	Part number
1	Torch set	3.00 m	DIX MS 230-3	6102123130
	Torch set	4.00 m	DIX MS 230-4	6102123140
2	Torch set	3.00 m	DIX MG 230-3	6102023130
	Torch set	4.00 m	DIX MG 230-4	6102023140
3	Liner	ø 1.8 mm/3.5 m	DIX DS 4/1.8-3.5	613000235
	Liner	ø 1.8 mm/4.5 m	DIX DS 4/1.8-4.5	613000245

Hint:
Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.

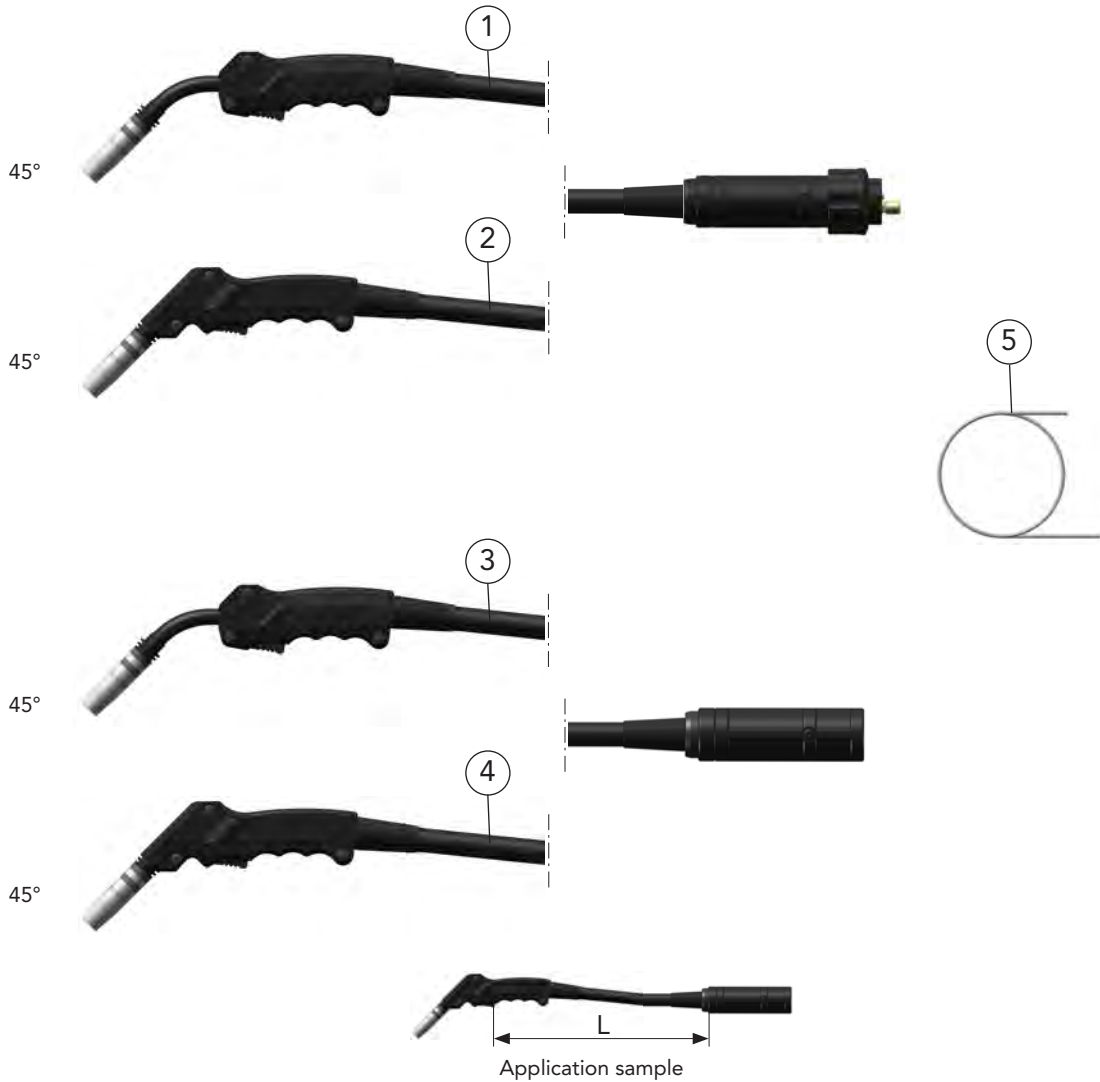




BLACKline Torch sets gas-cooled DIX MS/MG 230 SA (N) up to 250A

1

MIG/MAG Manual



You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MS 230-3 SA	6102123131
Torch set	4.00 m	DIX MS 230-4 SA	6102123141
2 Torch set	3.00 m	DIX MG 230-3 SA	6102023131
Torch set	4.00 m	DIX MG 230-4 SA	6102023141
3 Torch set	3.00 m	DIX MS 230-3 N	6102123134
Torch set	4.00 m	DIX MS 230-4 N	6102123144
4 Torch set	3.00 m	DIX MG 230-3 N	6102023134
Torch set	4.00 m	DIX MG 230-4 N	6102023144
5 Liner	ø 1.8 mm/3.5 m	DIX DS 4/1.8-3.5	613000235
Liner	ø 1.8 mm/4.5 m	DIX DS 4/1.8-4.5	613000245



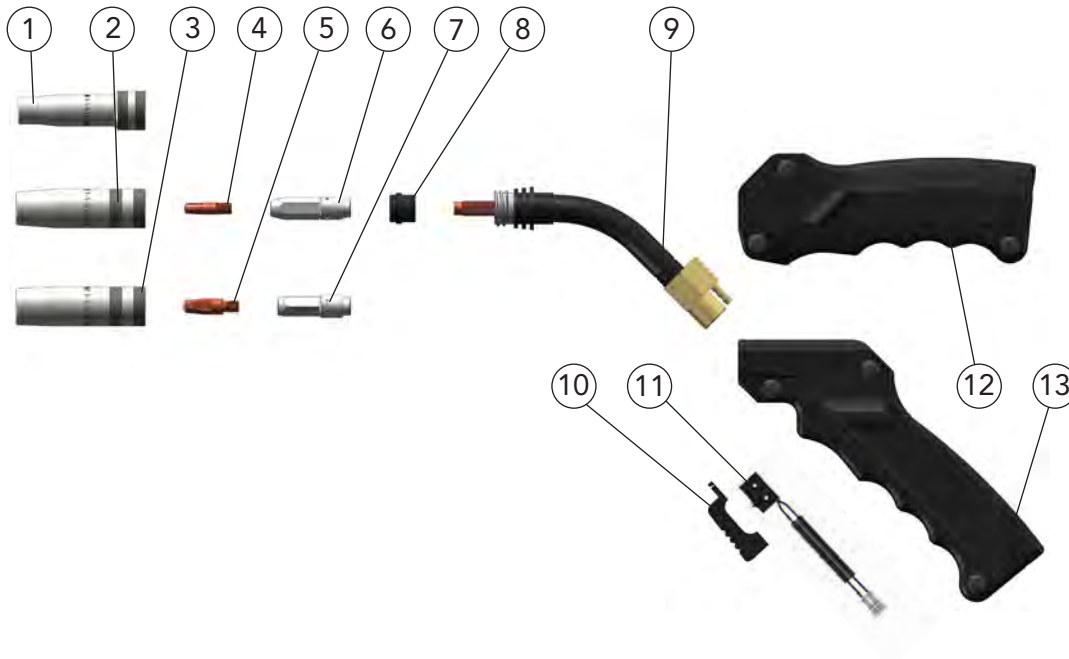
Standard equipment for wire diameter 1.0 mm steel with gas nozzle DIX 1-1-312 TR, contact tip DIX 3-1-1.0. tip adapter DIX 4-1-L and liner DIX DS 4/1.8.
Variants deviating of the standard fittings on request.

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



BLACKline Torch sets DIX MS/MG 230 (SA) (N)



	Description	Dimension	Part name		Part number
1	Gas nozzle	∅ 11 mm	DIX	1-1-311 TRR	6190106110
2	Gas nozzle	∅ 13 mm	DIX	1-1-312 TR	6190103120
3	Gas nozzle	∅ 16 mm	DIX	1-1-316 TR	6190103160
4	Contact tip	M6 x 24 mm	DIX	3-1-__	6190300__
5	Contact tip	M6 x 28 mm	DIX	3-2-__	6290300__
	Contact tip	M6 x 28 mm	DIX	3-2-__ CR-ZR	6290330__
6	Tip adapter	M6	DIX	4-1-L	619040020
7	Tip adapter	M6	DIX	4-1-K	619040010
8	Insulating sleeve		DIX	10-1-222	619100202
9	Torch neck		DIX	6-1-230	6190602310
10	Trigger		DIX	9-1	619090000
11	Micro switch		DIX	8-2	629080000
12	Handle		DIX	7-1-202 S	619070210
13	Handle		DIX	7-1-202 G	619070200

-- Enter the required wire diameter, e.g.: 08 = 0.8 mm or 10 = 1.0 mm.

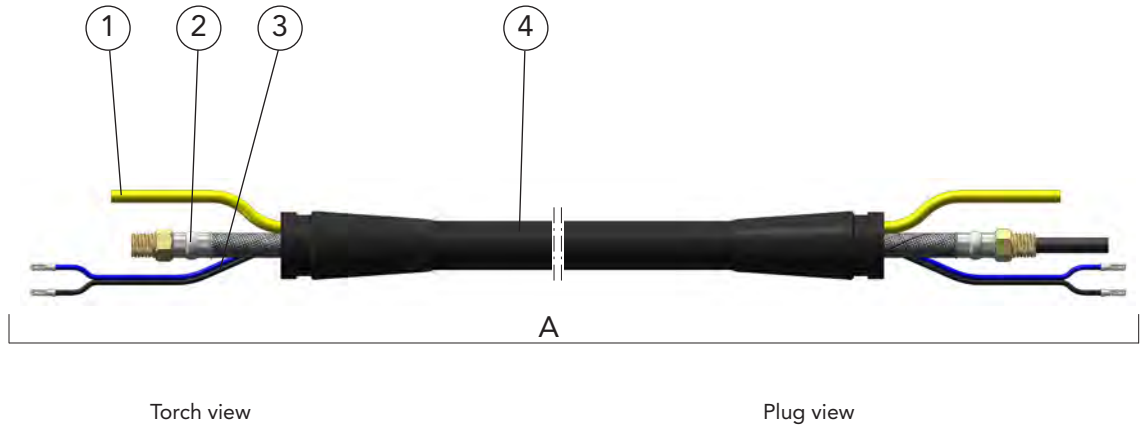




Spare parts and wear parts

BLACKline Torch sets DIX MS/MG 230 (SA) (N) Supply hose

1



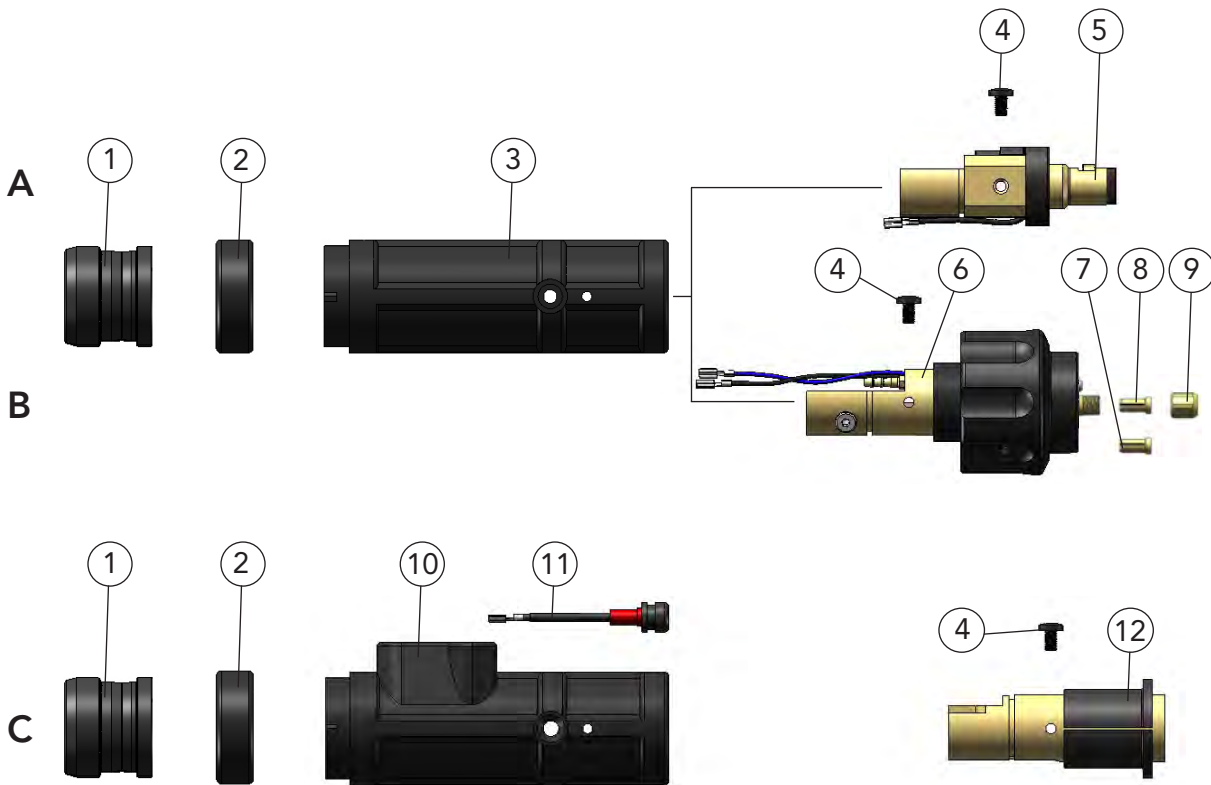
MIG/MAG Manual

Description	Part name	Part number
A Supply hose	DIX VLM 200-__	6122002__
1 Gas hose	DIX VL 180-__	639186001__
2 Binary cable	DIX VLM 2230-__	6192065__
3 Control wire	DIX VLM 211-__	6292110__
4 Cover hose	DIX VLM 230-__	6192312__

-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m and 4.0 m



BLACKline Torch sets DIX MS/MG 230 (SA) (N) Plug



NOTE You need a Power Pin / Power Pin Set for the compact plug DIX KCME 230 N (Pos. C). You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Part name	Part number
A Plug	DIX KCME 230	614000230
B Plug	DIX KCME 230 SA	614000231
C Plug	DIX KCME 230 N	638900046
1 Reduction sleeve	DIX ME 300 RH	639116065
2 Fixing ring	DIX 12-3-510 HR	6391250013
3 Plug housing	DIX ME 300 SG	629123300
4 Holding screw (10 pcs.)	DIX ME 300 HS	629070005
5 Plug insert	DIX ME 300 SE	639113004
6 Plug insert	DIX ME 300 SA	639113005
7 Clamp sleeve, without block for capillary liner	DIX 27-2 MAP	629270041
8 Clamp sleeve, with block for liner	DIX 27-2 SA	629270040
9 Clamp nut	DIX 28-2 SA	629280040
10 Plug housing	DIX ME 600 SGN	6391250020
Sealing cap, not shown	DIX 12-3-510 DK	901515135
11 Round plug connector	DIX CS 600 SGN	6391250021
12 Plug insert	DIX ME 300 N	639116077





BLACKline Torch sets gas-cooled DIX MDW 300 (SA) (N) separable, up to 250A

Torch heads DIX MWS/MWL 230 45°

Properties

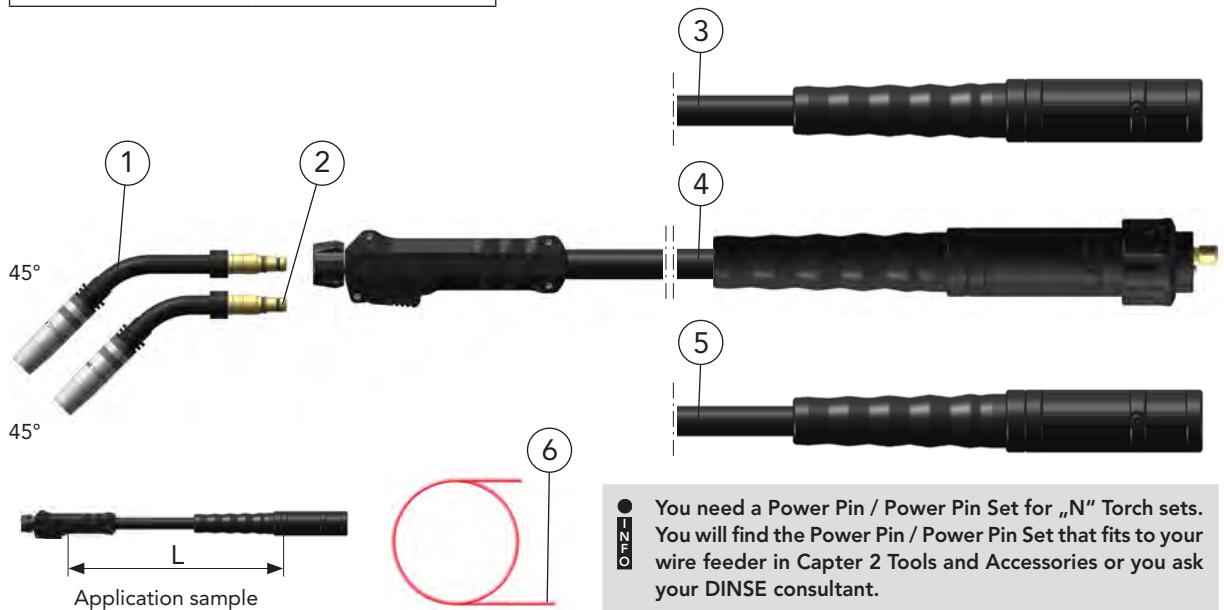
- ▶ Torch heads can be changed quickly
- ▶ 360° revolving torch heads
- ▶ Flexible supply hose
- ▶ Bend protection at the plug view
- ▶ Gas nozzle with rugged trapzoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gasreduction by laminar gas flow and design of the tip adapter
- ▶ No gas loss due to separate shield gas feed

Application

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

Technical data (DIN EN 60 974-7):

CO ₂ :	duty cycle 250A/60%
Mixed gas:	200A/60%
Wire diameter:	0.8 - 1.0 mm



● You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Capter 2 Tools and Accessories or you ask your DINSE consultant.

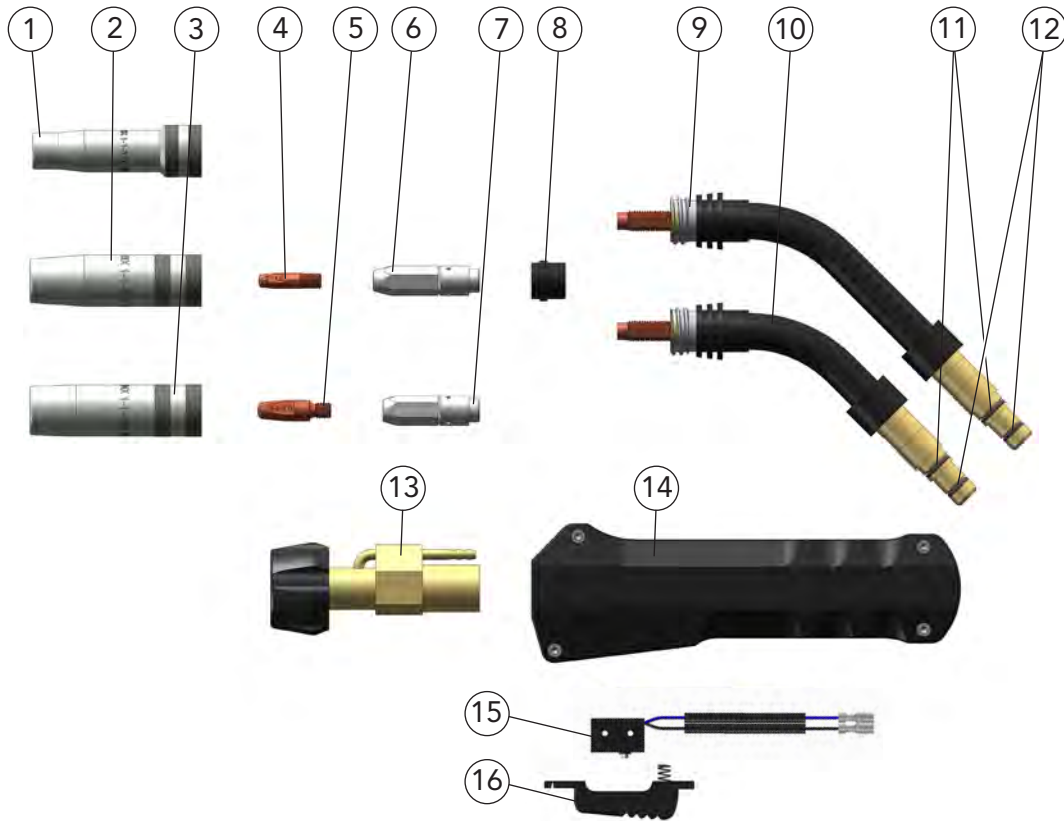
Description	Dimension	Part name	Part number
1 Torch head	long	DIX MWS 230 45°	6110772354
2 Torch head	short	DIX MWL 230 45°	6110772344
3 Torchset, without torch head	3.00 m	DIX MDW 300-3	620247330
Torchset, without torch head	4.00 m	DIX MDW 300-4	620247340
4 Torchset, without torch head	3.00 m	DIX MDW 300-3 SA	620247331
Torchset, without torch head	4.00 m	DIX MDW 300-4 SA	620247341
5 Torchset, without torch head	3.00 m	DIX MDW 300-3 N	620247334
Torchset, without torch head	4.00 m	DIX MDW 300-4 N	620247344
6 Liner	ø 1.8 mm/3.5 mm	DIX DS 4/1.8-3.5	613000235
Liner	ø 1.8 mm/4.5 mm	DIX DS 4/1.8-4.5	613000245

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



Torch heads DIX MWS/MWL 230 45°



Description	Dimension	Part name	Part number
1 Gas nozzle	ø 11 mm	DIX 1-1-311 TRR	6190106110
2 Gas nozzle	ø 13 mm	DIX 1-1-312 TR	6190103120
3 Gas nozzle	ø 16 mm	DIX 1-1-316 TR	6190103160
4 Contact tip	M6 x 24 mm	DIX 3-1-__	6190300__
5 Contact tip	M6 x 28 mm	DIX 3-2-__	6290300__
6 Tip adapter	M6	DIX 4-1-L	619040020
7 Tip adapter	M6	DIX 4-1-K	619040010
8 Insulating sleeve		DIX 10-1-222	619100202
9 Torch neck	45° long	DIX 6-1-230 WS 45°	61906072354
10 Torch neck	45° short	DIX 6-1-230 WL 45°	61906072344
11 O-Ring 9x1.5	(10 pcs.)		629900267
12 O-Ring 7x1.5	(10 pcs.)		639159009
13 Torch connection		DIX 15-2 DW	629150470
14 Handle		DIX 7-2-303 D	629070340
15 Micro switch		DIX 8-2	629080000
16 Trigger		DIX 9-2	629090000

-- Enter the required wire diameter, e.g.: 08 = 0.8 mm or 10 = 1.0 mm.

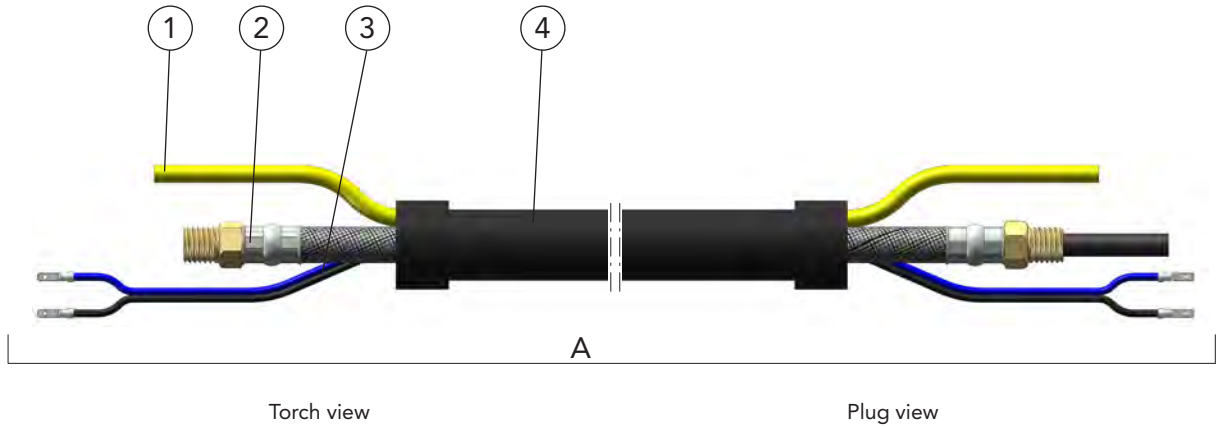
- ▶ Standard equipment for wire diameter 1.0 mm steel with gas nozzle DIX 1-1-312 TR, contact tip DIX 3-1-1.0 and tip adapter DIX 4-1-L. Variants deviating of the standard fittings on request.





Spare parts and wear parts

BLACKline Torch sets DIX MDW 300 (SA) (N) Supply hose

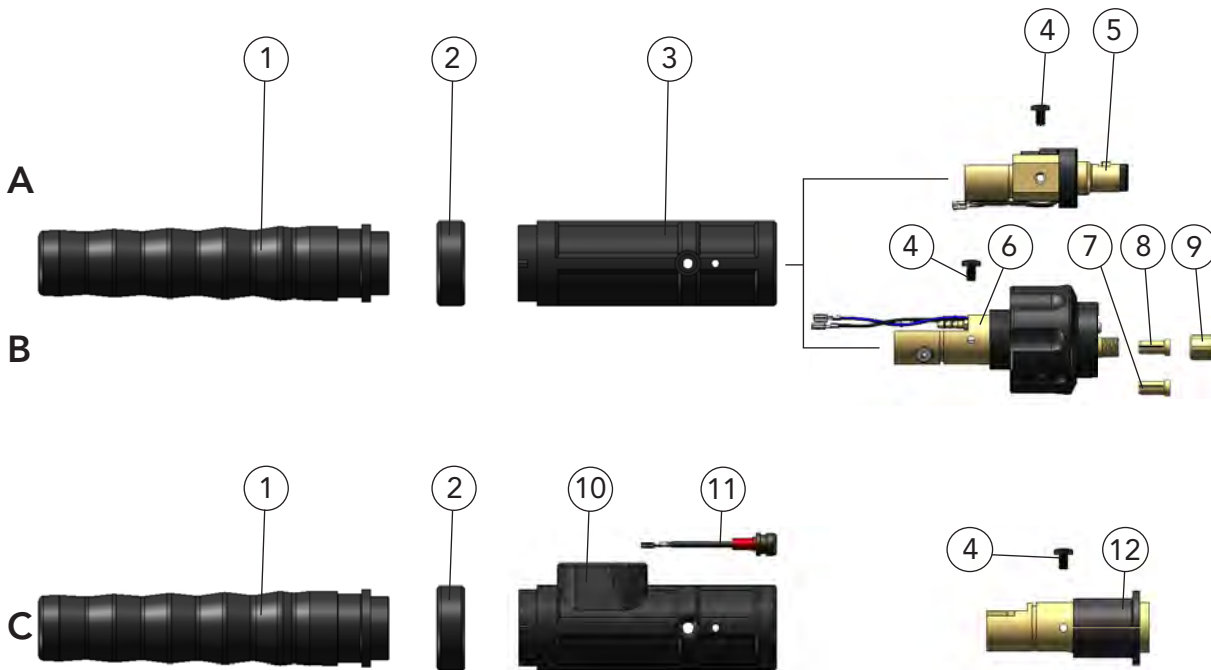


Description	Part name	Part number
A Supply hose	DIX VLM 300-__	6222003__
1 Gas hose	DIX VL 180-__	639186001__
2 Binary cable	DIX VLM 2330-__	6292066__
3 Control wire	DIX VLM 211-__	6292110__
4 Cover hose	DIX VLM 330-__	6292313__

-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m and 4.0 m



BLACKline Torch sets DIX MDW 300 (SA) (N) Plug



NOTE You need a Power Pin / Power Pin Set for the compact plug DIX KCME 330 N (Pos. C). You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Part name	Part number
A Plug	DIX KCME 330	624000330
B Plug	DIX KCME 330 SA	624000331
C Plug	DIX KCME 330 N	638900042
1 Plug sleeve	DIX ME 300 SM	629120000
2 Fixing ring	DIX 12-3-510 HR	6391250013
3 Plug housing	DIX ME 300 SG	629123300
4 Holding screw (10 pcs.)	DIX ME 300 HS	629070005
5 Plug insert	DIX ME 300 SE	639113004
6 Plug insert	DIX ME 300 SA	639113005
7 Clamp sleeve, without block for capillary liner	DIX 27-2 MAP	629270041
8 Clamp sleeve, with block for liner	DIX 27-2 SA	629270040
9 Clamp nut	DIX 28-2 SA	629280040
10 Plug housing	DIX ME 600 SGN	6391250020
11 Plug connector	DIX CS 600 SGN	6391250021
12 Plug insert	DIX ME 300 N	639116077
Sealing cap, not shown	DIX 12-3-510 DK	901515135





BLACKline Torch sets gas-cooled DIX MDW 300 (SA) (N) separable, up to 300A Torch heads DIX MWS/MWL 330 45°

Properties

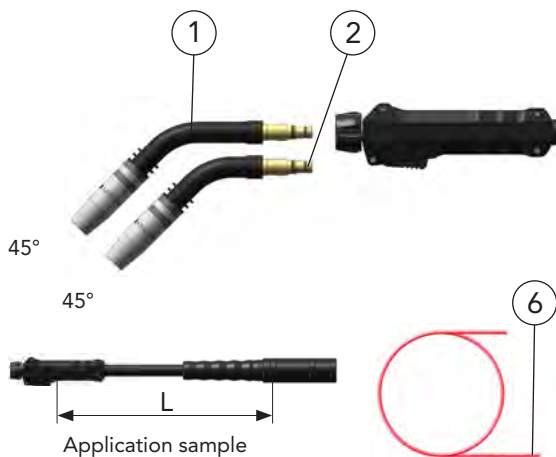
- ▶ Torch heads can be changed quickly
- ▶ 360° revolving torch heads
- ▶ Flexible supply hose
- ▶ Bend protection at the plug view
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gasreduction by laminar gas flow and design of the tip adapter
- ▶ No gas loss due to separate shield gas feed

Application

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

Technical data (DIN EN 60 974-7):

CO ₂ :	duty cycle 300A/60%
Mixed gas:	270A/60%
Wire diameter:	0.8 - 1.2 mm



DIN EN You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

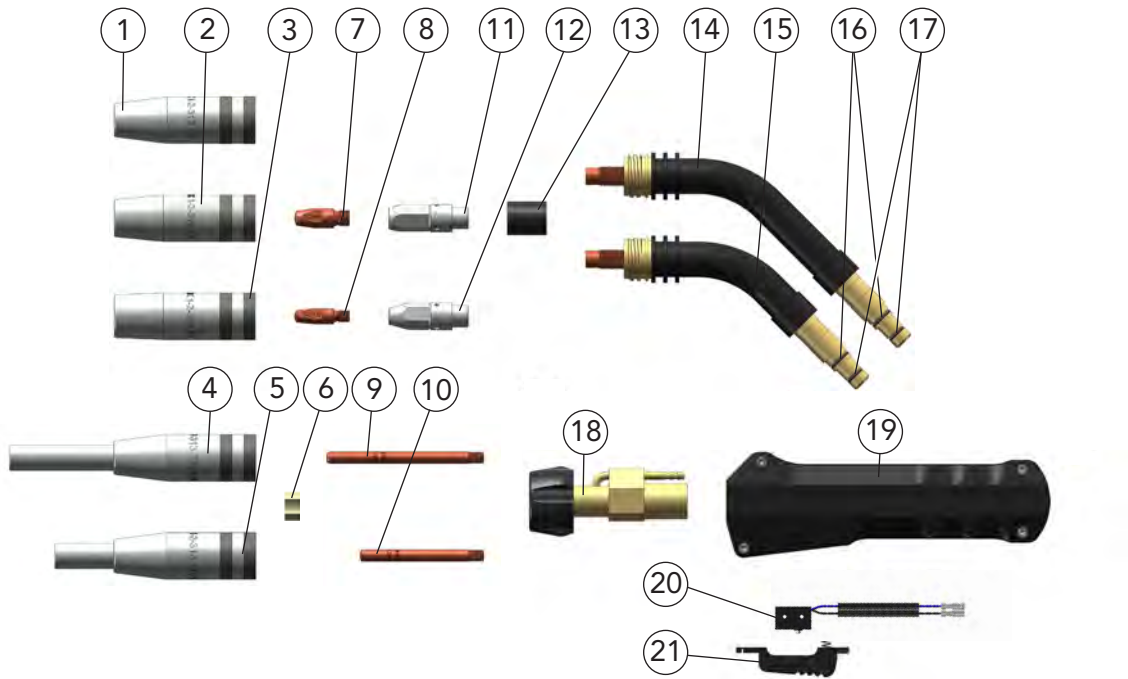
Description	Dimension	Part name	Part number
1 Torch head	long	DIX MWS 330 45°	6210773354
2 Torch head	short	DIX MWL 330 45°	6210773344
3 Torch set, without torch head	3.00 m	DIX MDW 300-3	620247330
Torch set, without torch head	4.00 m	DIX MDW 300-4	620247340
4 Torch set, without torch head	3.00 m	DIX MDW 300-3 SA	620247331
Torch set, without torch head	4.00 m	DIX MDW 300-4 SA	620247341
5 Torch set, without torch head	3.00 m	DIX MDW 300-3 N	620247334
Torch set, without torch head	4.00 m	DIX MDW 300-4 N	620247344
6 Liner	ø 1.8 mm/3.5 mm	DIX DS 4/1.8-3.5	613000235
Liner	ø 1.8 mm/4.5 mm	DIX DS 4/1.8-4.5	613000245

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



Torch heads DIX MWS/MWL 330 45°



Description	Dimension	Part name	Part number
1 Gas nozzle	∅ 13 mm	DIX 1-2-313 TR	6290103130
2 Gas nozzle	∅ 15 mm	DIX 1-2-315 TR	6290103150
3 Gas nozzle	∅ 18 mm	DIX 1-2-318 TR	6290103180
4 Narrow gap gas nozzle*	∅ 13 x 125mm	DIX 1-2-313 TR/125	6290103131
5 Narrow gap gas nozzle	∅ 13 x 102mm	DIX 1-2-313 TR/102	P629010KI001
6 Centre star		DIX 1-2-010/115	62901001413
7 Contact tip	M8 x 28 mm	DIX 3-2-__ M8	6290301__
Contact tip	M8 x 28 mm	DIX 3-2-__ M8 CR-ZR	6290331__
8 Contact tip	M6 x 28 mm	DIX 3-2-__	6290300__
Contact tip	M6 x 28 mm	DIX 3-2-__ CR-ZR	6290330__
9 Contact tip, for pos. 4*	M6 x 80 mm	DIX 3-1-__/80	6190394__
10 Contact tip, for pos. 5	M6 x 63 mm	DIX 3-1-1.2/63	P619039HM003
11 Tip adapter	M8	DIX 4-2-K M8	629040110
12 Tip adapter	M6	DIX 4-2-K M6	629040010
13 Insulating sleeve		DIX 10-2	629100000
14 Torch neck	45° long	DIX 6-2-330 WS 45°	62906073354
15 Torch neck	45° short	DIX 6-2-330 WL 45°	62906073344
16 O-Ring 9x1.5	(10 pcs.)		629900267
17 O-Ring 7x1.5	(10 pcs.)		639159009
18 Torch connection		DIX 15-2 DW	629150470
19 Handle		DIX 7-2-303 D	629070340
20 Micro switch		DIX 8-2	629080000
21 Trigger		DIX 9-2	629090000

* Only in conjunction with tip adapter 4-2-K M6, pos. 12.

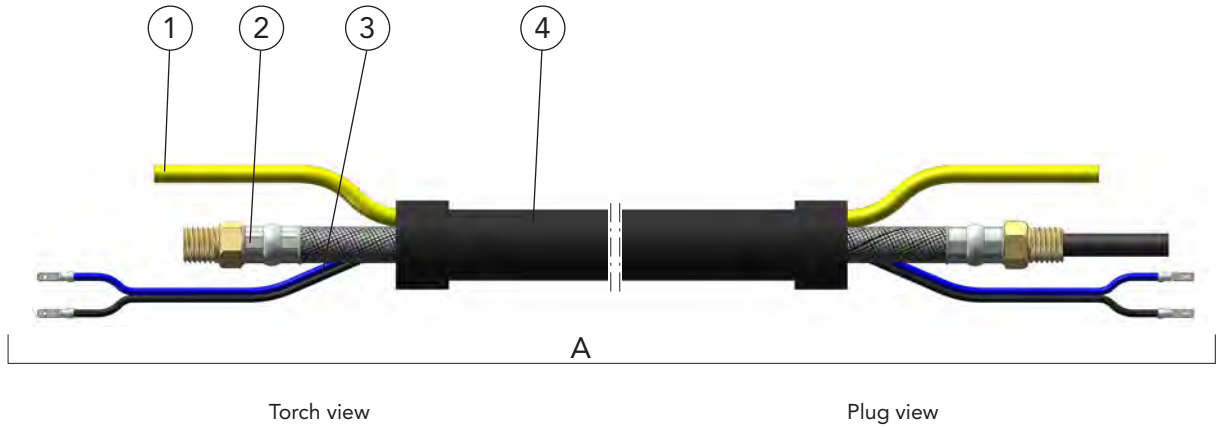
-- Enter the required wire diameter, e.g.: 10 = 1.0 mm or 12 = 1.2 mm.

- Standard equipment for wire diameter 1.0 mm steel with gas nozzle DIX 1-2-315 TR, contact tip DIX 3-2-1.0 M8 and tip adapter DIX 4-2-K M8. Variants deviating of the standard fittings on request.



BLACKline Torch sets DIX MDW 300 (SA) (N) Supply hose

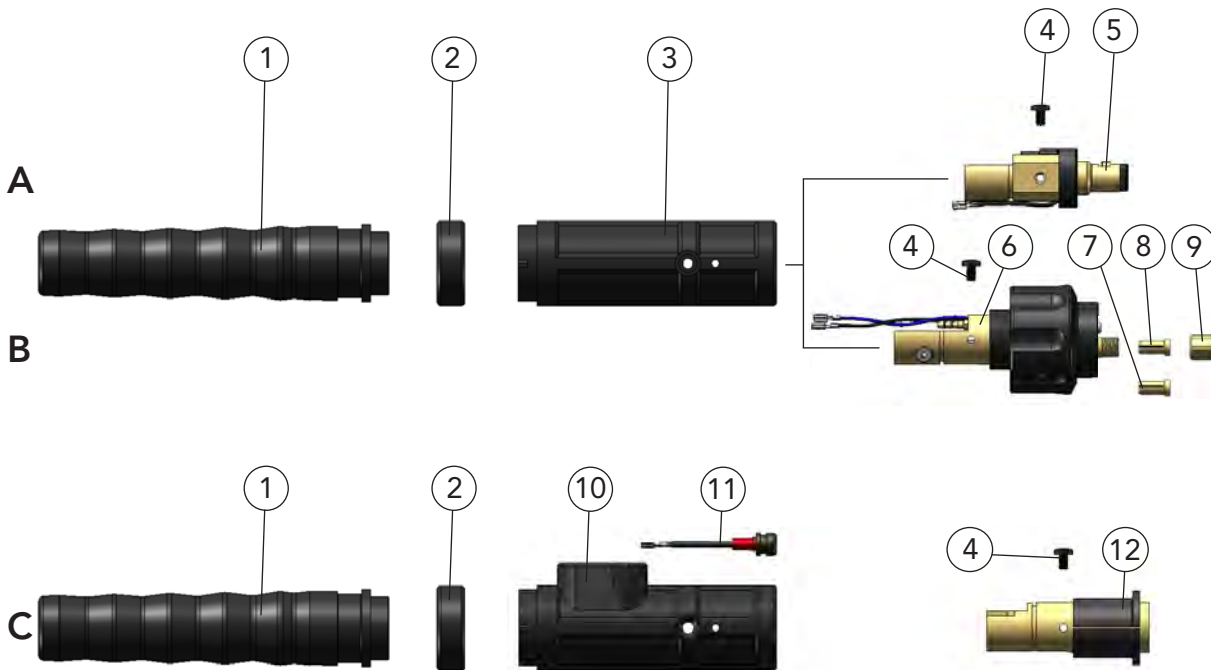
1



Description	Part name	Part number
A Supply hose	DIX VLM 300-__	6222003__
1 Gas hose	DIX VL 180-__	639186001__
2 Binary cable	DIX VLM 2330-__	6292066__
3 Control wire	DIX VLM 211-__	6292110__
4 Cover hose	DIX VLM 330-__	6292313__

-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m and 4.0 m

BLACKline Torch sets DIX MDW 300 (SA) (N) Plug



OTZ You need a Power Pin / Power Pin Set for the compact plug DIX KCME 330 N (Pos. C). You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Part name	Part number
A Plug	DIX KCME 330	624000330
B Plug	DIX KCME 330 SA	624000331
C Plug	DIX KCME 330 N	638900042
1 Plug sleeve	DIX ME 300 SM	629120000
2 Fixing ring	DIX 12-3-510 HR	6391250013
3 Plug housing	DIX ME 300 SG	629123300
4 Holding screw (10 pcs.)	DIX ME 300 HS	629070005
5 Plug insert	DIX ME 300 SE	639113004
6 Plug insert	DIX ME 300 SA	639113005
7 Clamp sleeve, without block for capillary liner	DIX 27-2 MAP	629270041
8 Clamp sleeve, with block for liner	DIX 27-2 SA	629270040
9 Clamp nut	DIX 28-2 SA	629280040
10 Plug housing	DIX ME 600 SGN	6391250020
11 Plug connector	DIX CS 600 SGN	6391250021
12 Plug insert	DIX ME 300 N	639116077
Sealing cap, not shown	DIX 12-3-510 DK	901515135





BLACKline Torch sets gas-cooled DIX MS/MG/MC 330 up to 300A

Properties

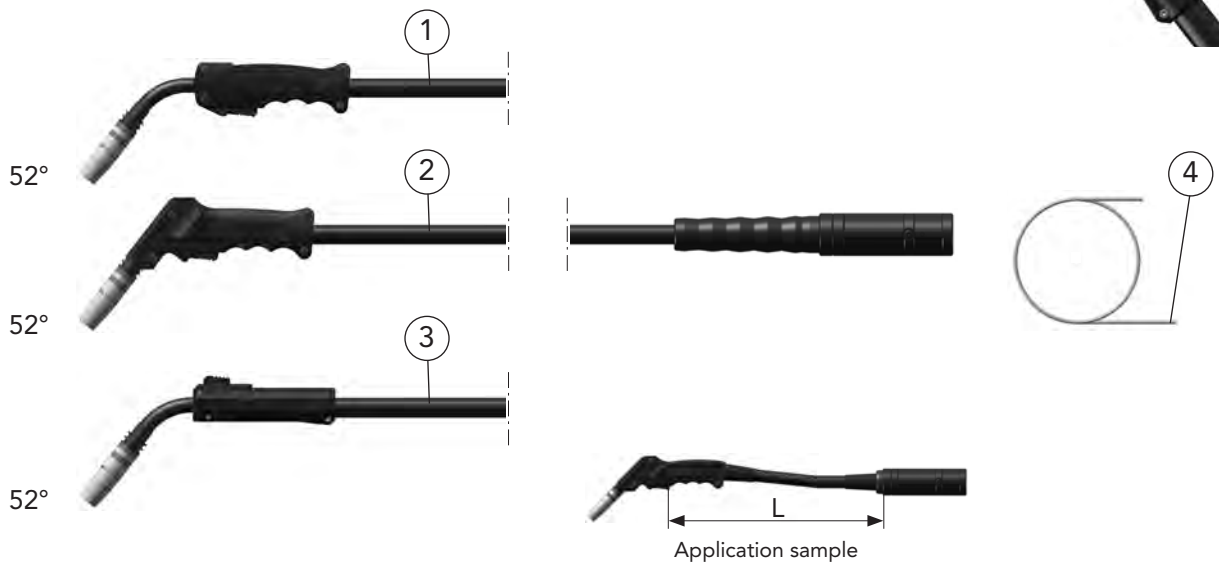
- ▶ Flexible supply hose
- ▶ Bend protection at the plug view
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gas reduction by laminar gas flow and design of the tip adapter
- ▶ No gas loss due to separate shield gas feed

Application

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

Technical data (DIN EN 60 974-7):

CO ₂ :	duty cycle 300A/60%
Mixed gas:	270A/60%
Wire diameter:	1.0 - 1.2 mm



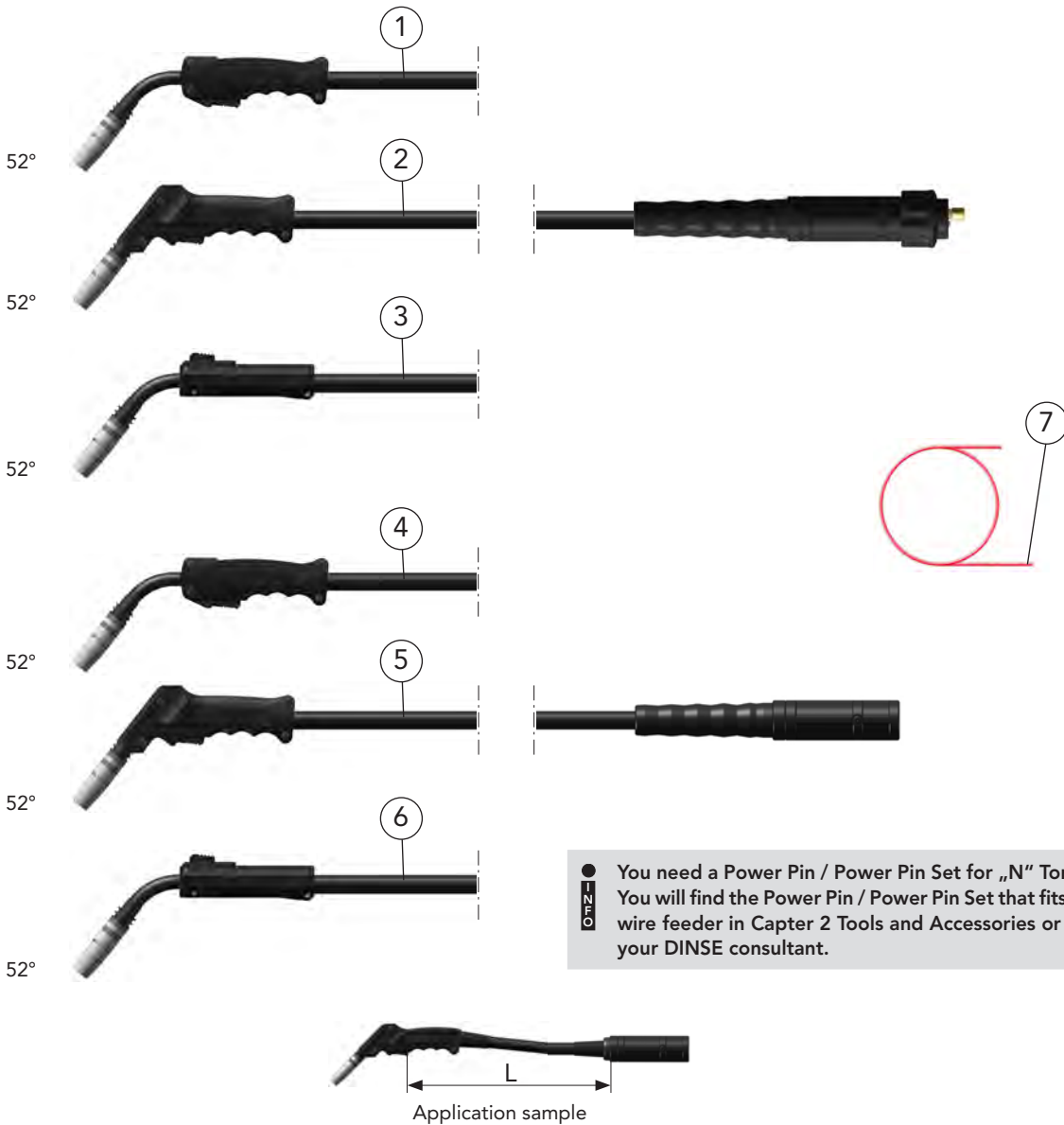
Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MS 330-3	6202133130
Torch set	4.00 m	DIX MS 330-4	6202133140
2 Torch set	3.00 m	DIX MG 330-3	6202033130
Torch set	4.00 m	DIX MG 330-4	6202033140
3 Torch set	3.00 m	DIX MC 330-3	6202333130
Torch set	4.00 m	DIX MC 330-4	6202333140
4 Liner	ø 1.8 mm/3.5 m	DIX DS 4/1.8-3.5	613000235
Liner	ø 1.8 mm/4.5 m	DIX DS 4/1.8-4.5	613000245

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



BLACKline Torch sets gas-cooled DIX MS/MG/MC 330 SA (N) up to 300A



Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MS 330-3 SA	6202133131
Torch set	4.00 m	DIX MS 330-4 SA	6202133141
2 Torch set	3.00 m	DIX MG 330-3 SA	6202033131
Torch set	4.00 m	DIX MG 330-4 SA	6202033141
3 Torch set	3.00 m	DIX MC 330-3 SA	6202333131
Torch set	4.00 m	DIX MC 330-4 SA	6202333141
4 Torch set	3.00 m	DIX MS 330-3 N	6202133134
Torch set	4.00 m	DIX MS 330-4 N	6202133144
5 Torch set	3.00 m	DIX MG 330-3 N	6202033134
Torch set	4.00 m	DIX MG 330-4 N	6202033144
6 Torch set	3.00 m	DIX MC 330-3 N	6202333134
Torch set	4.00 m	DIX MC 330-4 N	6202333144
7 Liner	ø 1.8 mm/3.5 m	DIX DS 4/1.8-3.5	613000235
Liner	ø 1.8 mm/4.5 m	DIX DS 4/1.8-4.5	613000245

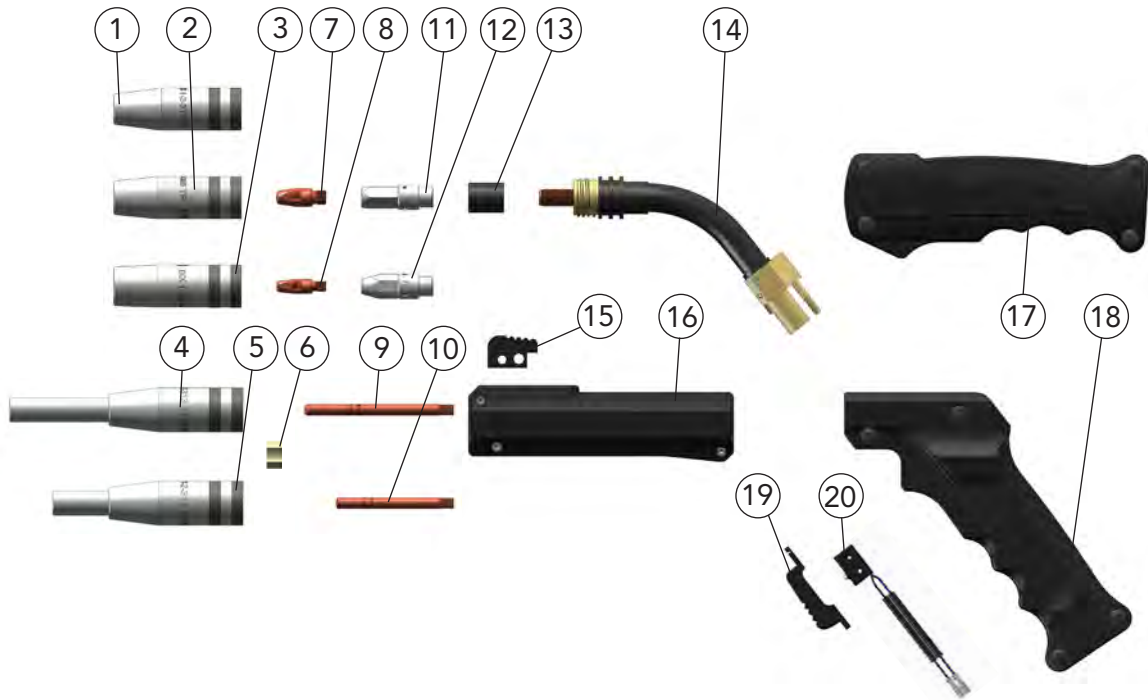
Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



BLACKline Torch sets DIX MS/MG/MC 330 (SA) (N)

1



Description	Dimension	Part name	Part number
1 Gas nozzle	ø 13 mm	DIX 1-2-313 TR	6290103130
2 Gas nozzle	ø 15 mm	DIX 1-2-315 TR	6290103150
3 Gas nozzle	ø 18 mm	DIX 1-2-318 TR	6290103180
4 Narrow gap gas nozzle*	ø 13 x 125mm	DIX 1-2-313 TR/125	6290103131
5 Narrow gap gas nozzle	ø 13 x 102mm	DIX 1-2-313 TR/102	P629010KI001
6 Centre star		DIX 1-2-010/115	62901001413
7 Contact tip	M8 x 28 mm	DIX 3-2-__ M8	6290301__
Contact tip	M8 x 28 mm	DIX 3-2-__ M8 CR-ZR	6290331__
8 Contact tip	M6 x 28 mm	DIX 3-2-__	6290300__
Contact tip	M6 x 28 mm	DIX 3-2-__ CR-ZR	6290330__
9 Contact tip, for pos. 4*	M6 x 80 mm	DIX 3-1-__/80	6190394__
10 Contact tip, for pos. 5	M6 x 63 mm	DIX 3-1-1.2/63	P619039HM003
11 Tip adapter	M8	DIX 4-2-K M8	629040110
12 Tip adapter	M6	DIX 4-2-K M6	629040010
13 Insulating sleeve		DIX 10-2	629100000
14 Torch neck	52°	DIX 6-2-330	6290603310
15 Trigger		DIX 9-2 C	629090030
16 Handle		DIX 7-2-303 C	629070330
17 Handle		DIX 7-2-303 S	629070310
18 Handle		DIX 7-2-303 G	629070300
19 Trigger		DIX 9-2	629090000
20 Micro switch		DIX 8-2	629080000

* Only in conjunction with tip adapter 4-2-K M6, pos. 12.

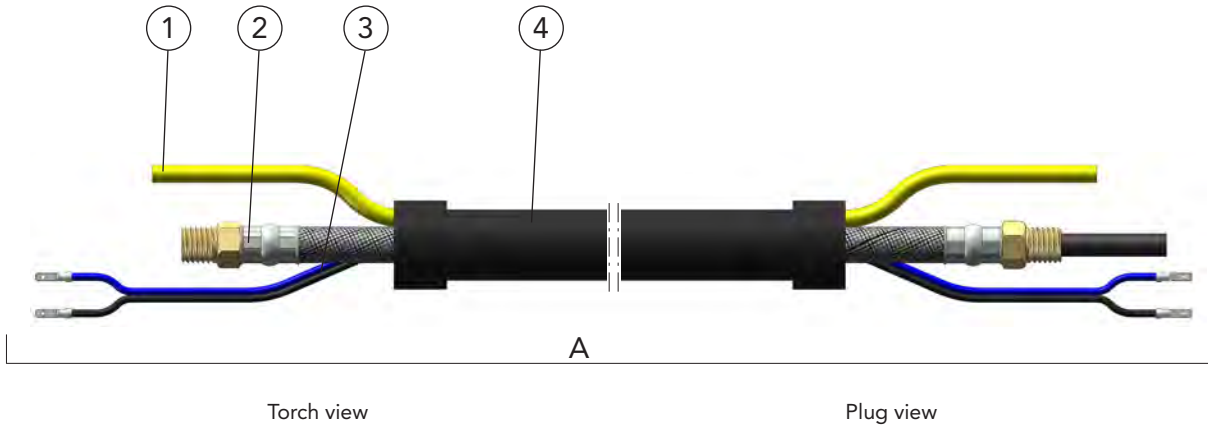
-- Enter the required wire diameter, e.g.: 10 = 1.0 mm or 12 = 1.2 mm.

▶ Standard equipment for wire diameter 1.0 mm steel with gas nozzle DIX 1-2-315 TR, contact tip DIX 3-2-1.0 M8, tip adapter DIX 4-2-K M8 and Liner DIX DS 4/1.8.

Variants deviating of the standard fittings on request.



BLACKline Torch sets DIX MS/MG/MC 330 (SA) (N) Supply hose

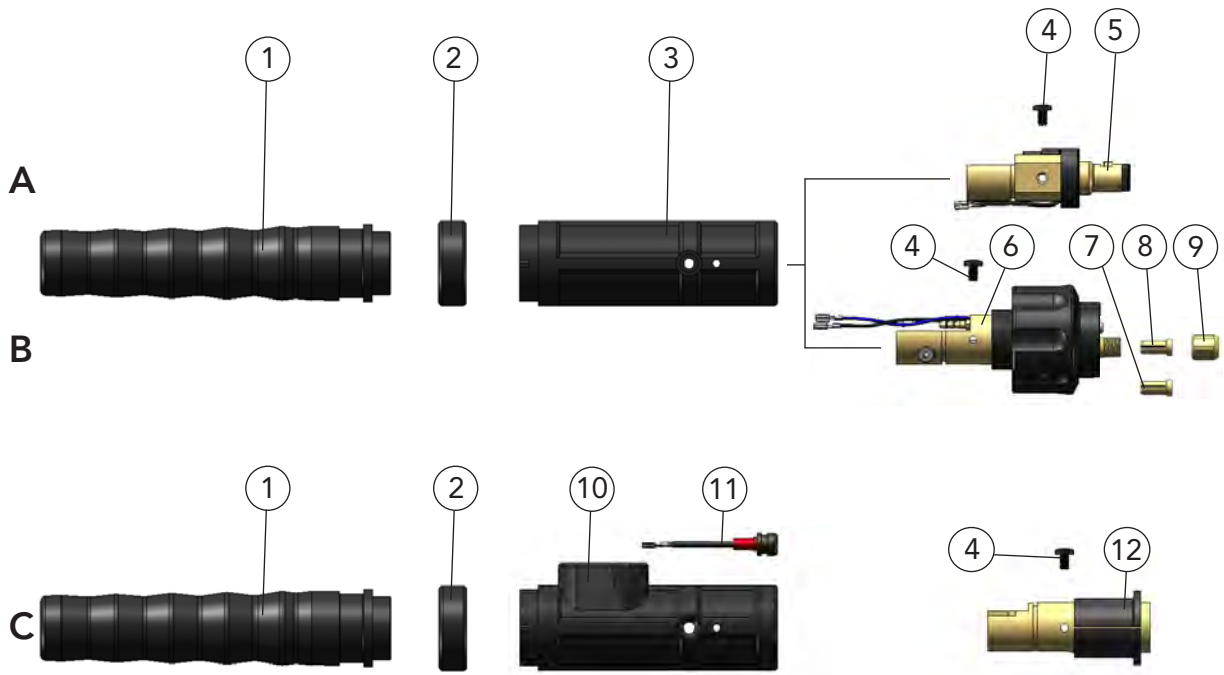


Description	Part name	Part number
A Supply hose	DIX VLM 300-__	6222003__
1 Gas hose	DIX VL 180-__	639186001__
2 Binary cable	DIX VLM 2330-__	6292066__
3 Control wire	DIX VLM 211-__	6292110__
4 Cover hose	DIX VLM 330-__	6292313__

-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m and 4.0 m

BLACKline Torch sets DIX MS/MG/MC 330 (SA) (N) Plug

1



NOTE You need a Power Pin / Power Pin Set for the compact plug DIX KCME 330 N (Pos. C). You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Part name	Part number
A Plug	DIX KCME 330	624000330
B Plug	DIX KCME 330 SA	624000331
C Plug	DIX KCME 330 N	638900042
1 Plug sleeve	DIX ME 300 SM	629120000
2 Fixing ring	DIX 12-3-510 HR	6391250013
3 Plug housing	DIX ME 300 SG	629123300
4 Holding screw (10 pcs.)	DIX ME 300 HS	629070005
5 Plug insert	DIX ME 300 SE	639113004
6 Plug insert	DIX ME 300 SA	639113005
7 Clamp sleeve, without block for capillary liner	DIX 27-2 MAP	629270041
8 Clamp sleeve, with block for liner	DIX 27-2 SA	629270040
9 Clamp nut	DIX 28-2 SA	629280040
10 Plug housing	DIX ME 600 SGN	6391250020
11 Plug connector	DIX CS 600 SGN	6391250021
12 Plug insert	DIX ME 300 N	639116077
Sealing cap, not shown	DIX 12-3-510 DK	901515135



BLACKline Torch sets gas-cooled DIX MS/MC 430 (up to 350A)



Properties

- ▶ Flexible supply hose
- ▶ Bend protection at the plug view
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gas reduction by laminar gas flow and design of the tip adapter
- ▶ No gas loss due to separate shield gas feed



Design with handle type MS

Application

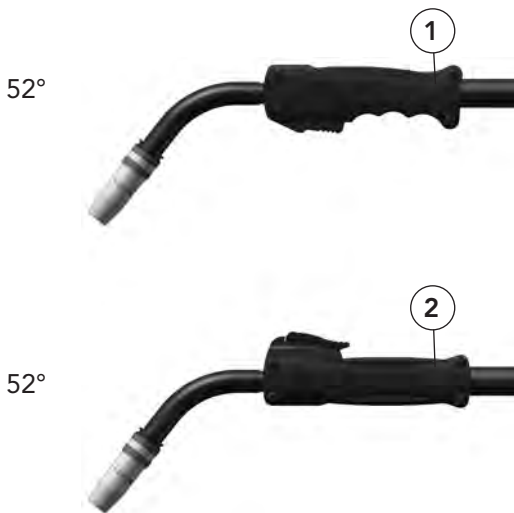
- ▶ Non- and low alloyed steels
- ▶ High alloyed steels
- ▶ Copper alloys for the MSG brazing
- ▶ Small to medium material thicknesses



Design with handle type MC

Technical data (DIN EN 60 974-7):

CO ₂ :	duty cycle 350A/60%
Mixed gas:	300A/60%
Wire diameter:	1.0 - 1.2 mm



	Description	Dimension	Part name	Part number
1	Torch set	3.00 m	DIX MS 430-3	
	Torch set	4.00 m	DIX MS 430-4	620214340
	Torch set	5.00 m	DIX MS 430-5	
2	Torch set	3.00 m	DIX MC 430-3	
	Torch set	4.00 m	DIX MC 430-4	
	Torch set	5.00 m	DIX MC 430-5	

Hint:
Other liners, capillary liners and service tools you will find in Chapter Tools and Accessories.

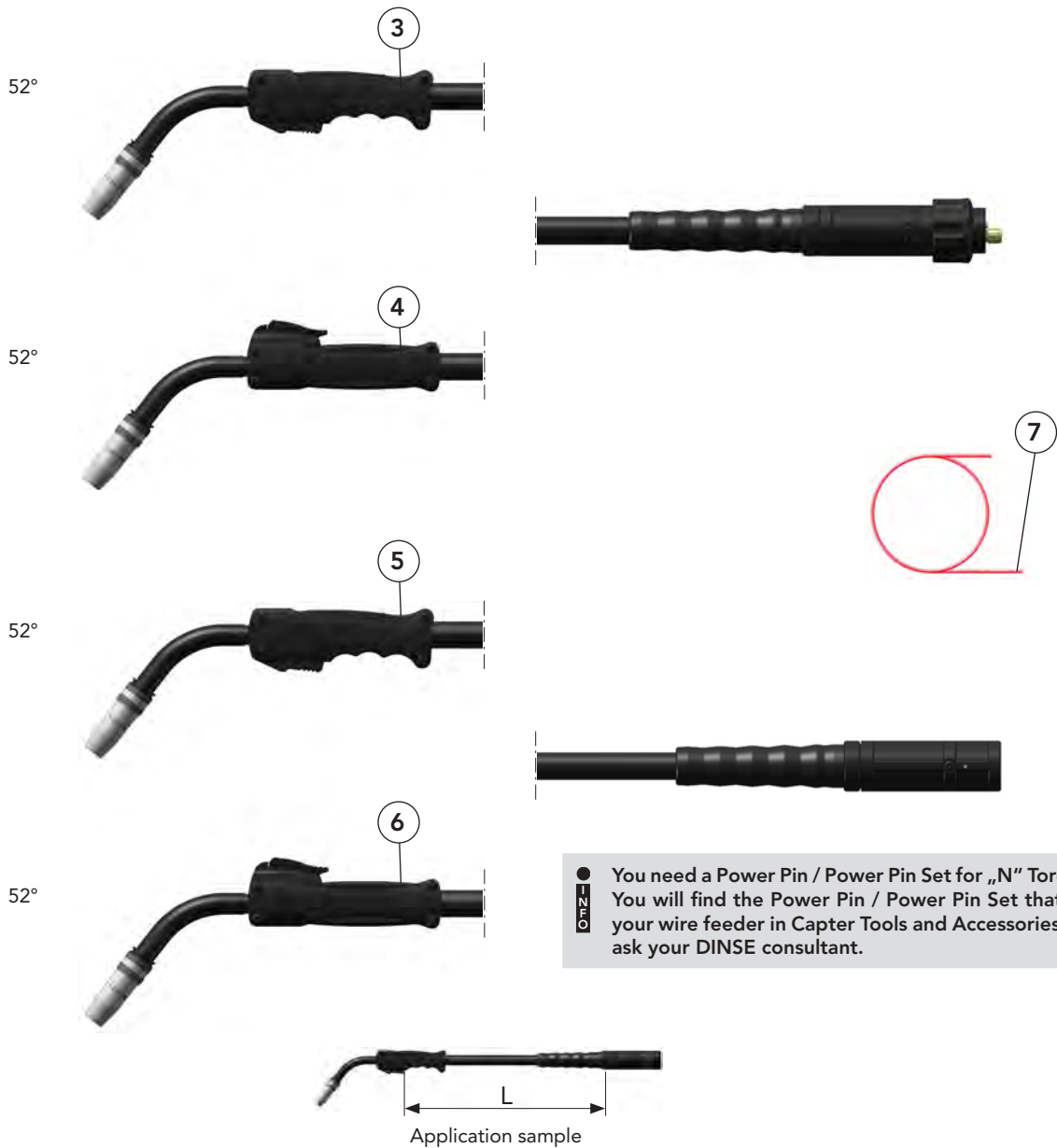




BLACKline Torch sets gas-cooled DIX MS/MC 430 SA (N) up to 350A

1

MIG/MAG Manual



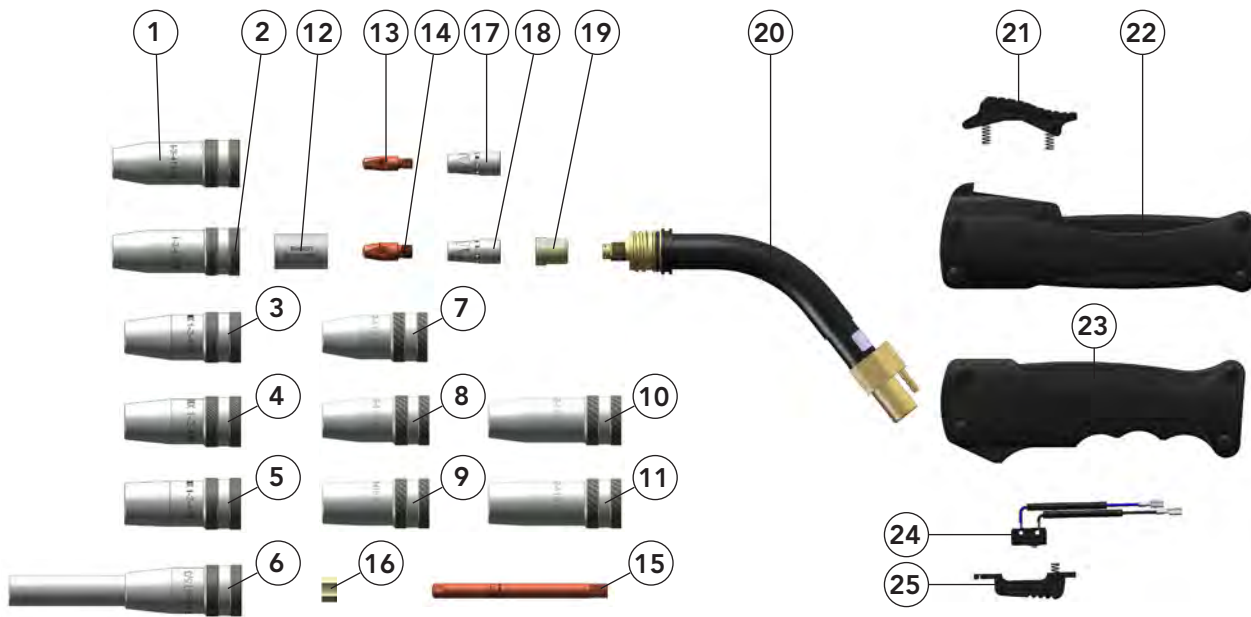
● You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
3 Torch set	3.00 m	DIX MS 430-3 SA	620214331
Torch set	4.00 m	DIX MS 430-4 SA	620214341
Torch set	5.00 m	DIX MS 430-5 SA	620214351
4 Torch set	3.00 m	DIX MC 430-3 SA	
Torch set	4.00 m	DIX MC 430-4 SA	
Torch set	5.00 m	DIX MC 430-5 SA	
5 Torch set	3.00 m	DIX MS 430-3 N	620214334
Torch set	4.00 m	DIX MS 430-4 N	
Torch set	5.00 m	DIX MS 430-5 N	
6 Torch set	3.00 m	DIX MC 430-3 N	
Torch set	4.00 m	DIX MC 430-4 N	
Torch set	5.00 m	DIX MC 430-5 N	
7 Liner	ø 1.8 mm/3.5 m	DIX DS 4/1.8-3.5	613000235
Liner	ø 1.8 mm/4.5 m	DIX DS 4/1.8-4.5	613000245

Hint:
Other liners, capillary liners and service tools you will find in Chapter Tools and Accessories.



BLACKline Torch sets DIX MS/MC 430



Description	Dimension (mm)	Part name	Part number
1 Gas nozzle	∅ 13 x 72	DIX 1-2-413 TR	6290104313
2 Gas nozzle	∅ 15 x 72	DIX 1-2-415 TR	6290104315
3 Gas nozzle	∅ 13 x 62	DIX 1-2-413	629010413
4 Gas nozzle	∅ 15 x 62	DIX 1-2-415	629010415
5 Gas nozzle	∅ 18 x 62	DIX 1-2-418	629010418
6 Narrow gap gas nozzle	∅ 15 x 124	DIX 1-2-415/3	6290104153
7 Gas nozzle	∅ 13 x 57	DIX 1-2-413 K	629010403
8 Gas nozzle	∅ 15 x 58	DIX 1-2-415 K	629010405
9 Gas nozzle	∅ 18 x 58	DIX 1-2-418 K	629010408
10 Gas nozzle	∅ 15 x 72	DIX 1-2-415 L	6290104152
11 Gas nozzle	∅ 18 x 72	DIX 1-2-418 L	6290104182
12 Insulator, for pos. 1 and 2		DIX 2-2 WEIß	629020001
13 Contact tip	M6 x 28 mm	DIX 3-2-__	6290300__
Contact tip	M6 x 28 mm	DIX 3-2-__ CR-ZR	6290330__
14 Contact tip	M8 x 28 mm	DIX 3-2-__ M8	6290301__
Contact tip	M8 x 28 mm	DIX 3-2-__ M8 CR-ZR	6290331__
15 Contact tip, for pos. 6	M8 x 93	DIX 3-2-__ M8/93	629039010__
16 Centre star, for pos. 15		DIX 3-2-STERN	P629039HM011
17 Tip adapter	M6	DIX GS 300 M6	629040301
18 Tip adapter	M8	DIX GS 300 M8	629040302
19 Insulating sleeve		DIX IH 300	6391053000
20 Torch neck	52°	DIX 6-2-430	6290604430
21 Trigger		DIX 9-2-304 C	629090305
22 Handle		DIX 7-2-304 C	629070334
23 Handle		DIX 7-2-400 S	629070411
24 Micro switch		DIX 8-2	629080000
25 Trigger		DIX 9-2	629090000

-- Enter the required wire diameter, e.g.: 10 = 1.0 mm or 12 = 1.2 mm.

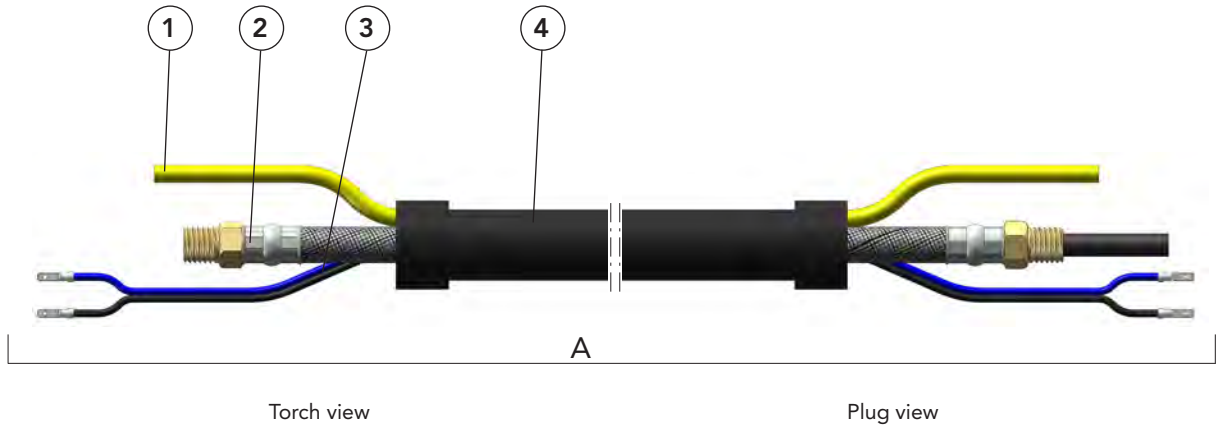
► Standard equipment for wire diameter 1.2 mm steel with gas nozzle DIX 1-2-415 TR, contact tip DIX 3-2-1.2 M8 CR-ZR, tip adapter DIX GS 300 M8 and Liner DIX DS 4/1.8. Variants deviating of the standard fittings on request.



BLACKline Torch sets DIX MS/MC 430

Supply hose

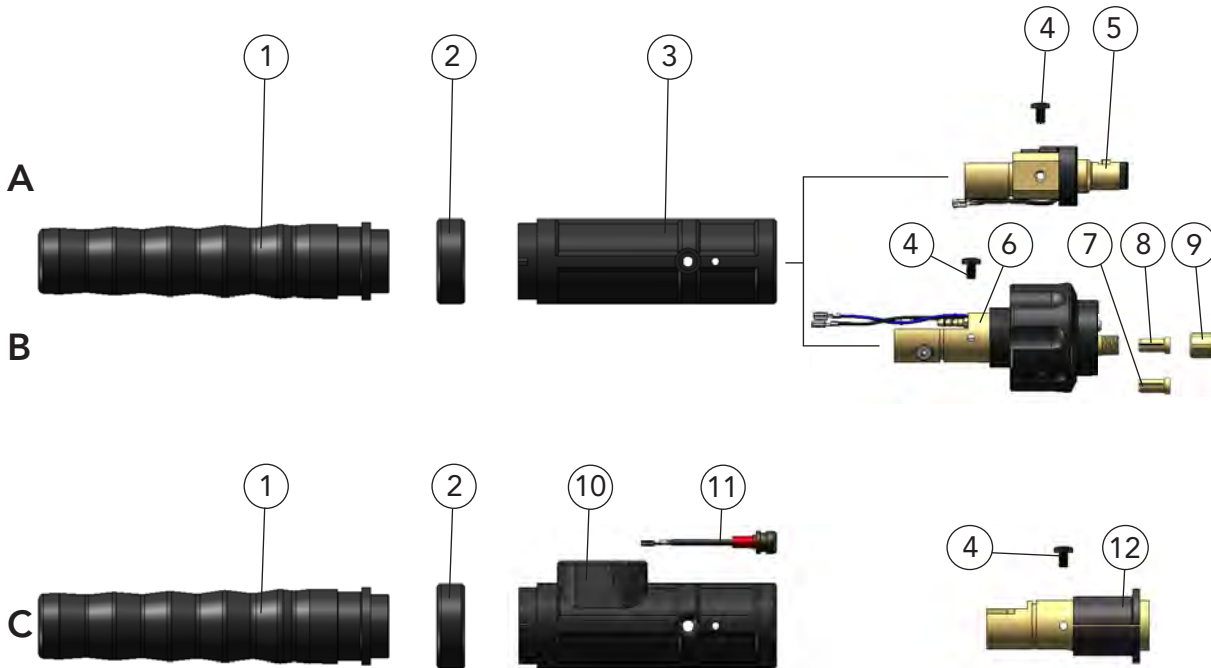
1



Description	Part name	Part number
A Supply hose	DIX VLM 300-__	6222003__
1 Gas hose	DIX VL 180-__	639186001__
2 Binary cable	DIX VLM 2330-__	6292066__
3 Control wire	DIX VLM 211-__	6292110__
4 Cover hose	DIX VLM 330-__	6292313__

-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m and 4.0 m

BLACKline Torch sets DIX MS/MC 430 Plug



● You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Capter Tools and Accessories or you ask your DINSE consultant.

Description	Part name	Part number
A Plug	DIX KCME 330	624000330
B Plug	DIX KCME 330 SA	624000331
C Plug	DIX KCME 330 N	638900042
1 Plug sleeve	DIX ME 300 SM	629120000
2 Fixing ring	DIX 12-3-510 HR	6391250013
3 Plug housing	DIX ME 300 SG	629123300
4 Holding screw	(10 pcs.) DIX ME 300 HS	629070005
5 Plug insert	DIX ME 300 SE	639113004
6 Plug insert	DIX ME 300 SA	639113005
7 Clamp sleeve, without block for capillary liner	DIX 27-2 MAP	629270041
8 Clamp sleeve, with block for liner	DIX 27-2 SA	629270040
9 Clamp nut	DIX 28-2 SA	629280040
10 Plug housing	DIX ME 600 SGN	6391250020
11 Plug connector	DIX CS 600 SGN	6391250021
12 Plug insert	DIX ME 300 N	639116077
Sealing cap, not shown	DIX 12-3-510 DK	901515135





BLACKline Torch sets gas-cooled DIX MS/MG/MC 340C SA up to 350A

Properties

- ▶ Flexible supply hose
- ▶ Bend protection at the plug view
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gas reduction by laminare gas flow and design of the tip adapter
- ▶ Design with coaxial cable
- ▶ Assembly and repair friendly
- ▶ Toolless replacing of switch

Application

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

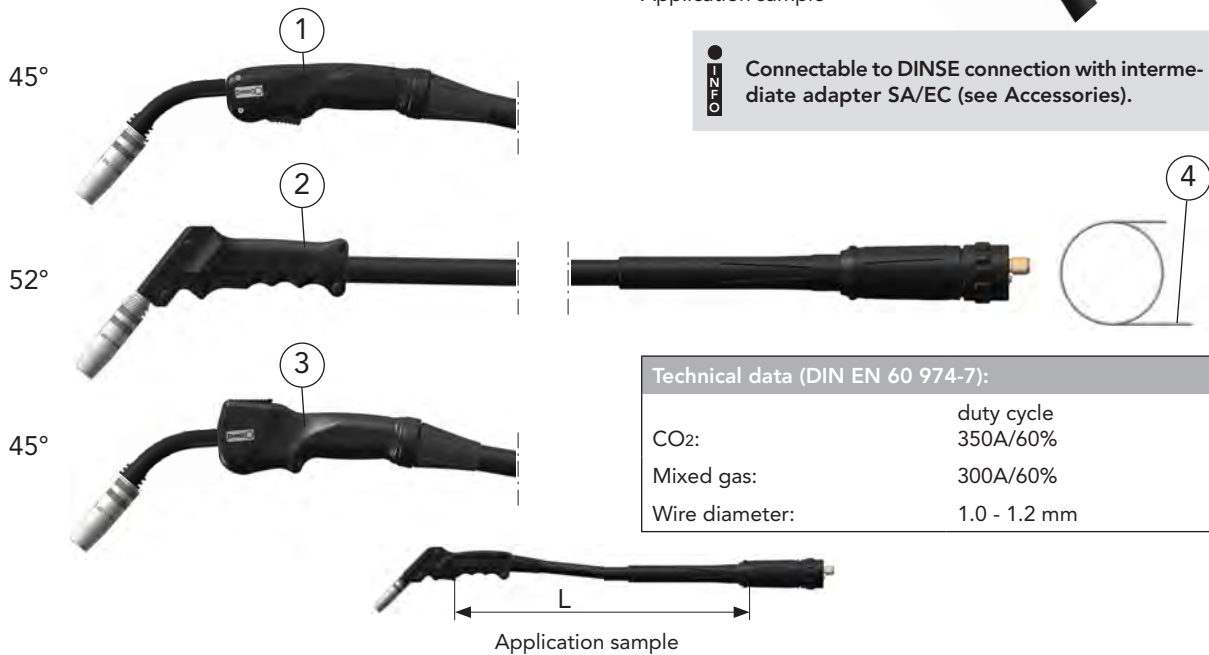
Design with handle type MS

Design with handle type MG

Design with handle type MC

Application sample

INFO Connectable to DINSE connection with intermediate adapter SA/EC (see Accessories).



Technical data (DIN EN 60 974-7):

CO ₂ :	duty cycle 350A/60%
Mixed gas:	300A/60%
Wire diameter:	1.0 - 1.2 mm

Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MS 340C-3 SA	620213431
Torch set	4.00 m	DIX MS 340C-4 SA	620213441
Torch set	5.00 m	DIX MS 340C-5 SA	620213451
2 Torch set	3.00 m	DIX MG 340C-3 SA	620203431
Torch set	4.00 m	DIX MG 340C-4 SA	620203441
Torch set	5.00 m	DIX MG 340C-5 SA	620203451
3 Torch set	3.00 m	DIX MC 340C-3 SA	620233431
Torch set	4.00 m	DIX MC 340C-4 SA	620233441
Torch set	5.00 m	DIX MC 340C-5 SA	620233451
4 Liner	ø 2.2 mm/3.3 m	DIX DSC 4.5/2.2-3.3	616000333
Liner	ø 2.2 mm/4.4 m	DIX DSC 4.5/2.2-4.4	616000344
Liner	ø 2.2 mm/5.5 m	DIX DSC 4.5/2.2-5.5	616000355

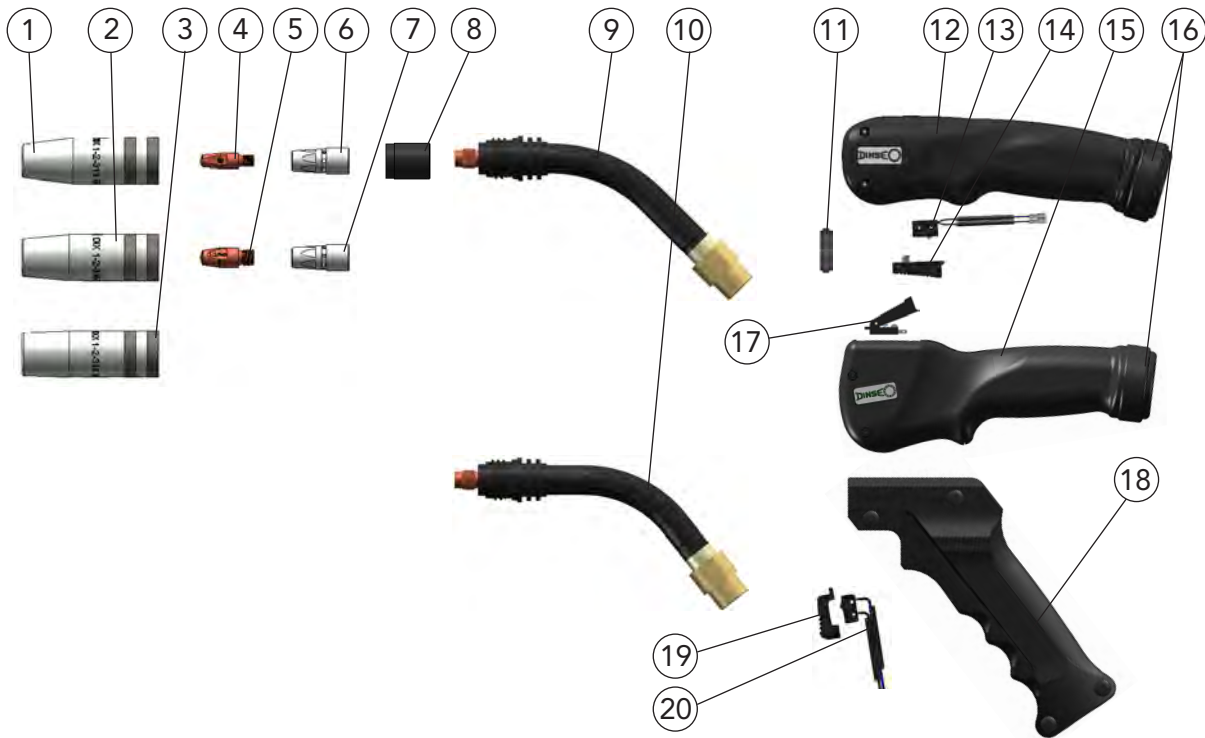
- ▶ Variants deviating of the standard fittings on request.

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



BLACKline Torch sets DIX MS/MG/MC 340C SA



	Description	Dimension		Part name	Part number
1	Gas nozzle	ø 13 mm	DIX	1-2-313 TR	6290103130
2	Gas nozzle	ø 15 mm	DIX	1-2-315 TR	6290103150
3	Gas nozzle	ø 18 mm	DIX	1-2-318 TR	6290103180
4	Contact tip	M6 x 28 mm	DIX	3-2-__	6290300__
	Contact tip	M6 x 28 mm	DIX	3-2-__ CR-ZR	6290330__
5	Contact tip	M8 x 28 mm	DIX	3-2-__ M8	6290301__
	Contact tip	M8 x 28 mm	DIX	3-2-__ M8 CR-ZR	6290331__
6	Tip adapter	M6	DIX	GS 300 M6	629040301
7	Tip adapter	M8	DIX	GS 300 M8	629040302
8	Insulating sleeve		DIX	IH 340	629060341038
9	Torch neck	45°	DIX	6-2-340 C 45°	6290603414
10	Torch neck	52°	DIX	6-2-340 C 52°	6290603410
11	Support ring		DIX	H SR 340	629071030
	Cap, not shown		DIX	H C	629071014
12	Housing, with pos. 13		DIX	HS 1	629071000
13	Microswitch		DIX	8-2	629080000
14	Switch		DIX	S5	629071147
15	Housing, with pos. 13		DIX	HC 1	629071001
16	Fixing ring		DIX	12-3-510 HR	6391250013
	Fillet blind, H/C, not shown				629071016
17	Switch		DIX	S1	629071022
18	Housing		DIX	HG 1	629071018
19	Trigger		DIX	9-2	629090000
20	Microswitch		DIX	8-2 CG	629080001
	Switch mount, not shown		DIX	BR 8-2	629071032

-- Enter the required wire diameter, e.g.: 10 = 1.0 mm or 12 = 1.2 mm.

- ▶ Standard equipment for wire diameter 1.0 mm steel with gas nozzle DIX 1-2-313 TR, contact tip DIX 3-2-1.0 M6, tip adapter DIX GS 300 M6 and liner DIX DSC 4.5/2.2. Variants deviating of the standard fittings on request.

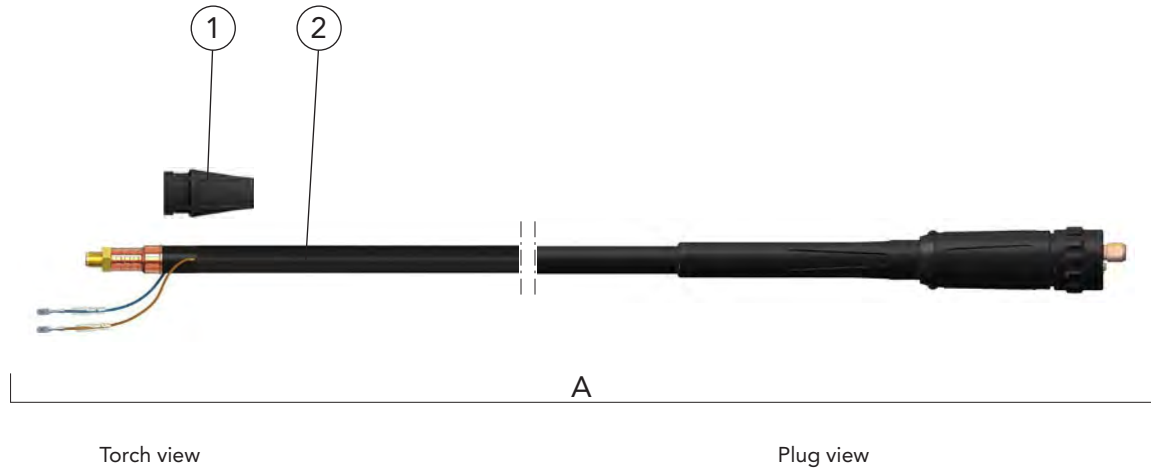




Spare parts and wear parts

BLACKline Torch sets DIX MS/MG/MC 340C SA Basic torch set MX 300C SA

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	Description	Dimension	Part name		Part number
A	Basic torch set, without pos. 1		DIX	MXS 300C-3 SA	6202130331
	Basic torch set, without pos. 1		DIX	MXS 300C-4 SA	6202130341
	Basic torch set, without pos. 1		DIX	MXS 300C-5 SA	6202130351
1	Bend protection	50 qmm	DIX	BPC 50	629071017
2	Coaxial cable	3.0 m	DIX	VLM 300C-3	629203430
	Coaxial cable	4.0 m	DIX	VLM 300C-4	629203440
	Coaxial cable	5.0 m	DIX	VLM 300C-5	629203450

-- Standard lengths: 3.0 m, 4.0 m and 5.0 m



BLACKline Torch sets gas-cooled DIX MF 340C SA up to 320A



Properties

- ▶ Flexible supply hose
- ▶ Setting of the welding performance in UP/DOWN operation
- ▶ Recall of the stored working points or welding programs directly at the welding gun
- ▶ Retrofit of various control modules for individual welding applications possible
- ▶ Assembly and repair friendly
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gas reduction by laminare gas flow and design of the tip adapter
- ▶ Design with coaxial cable



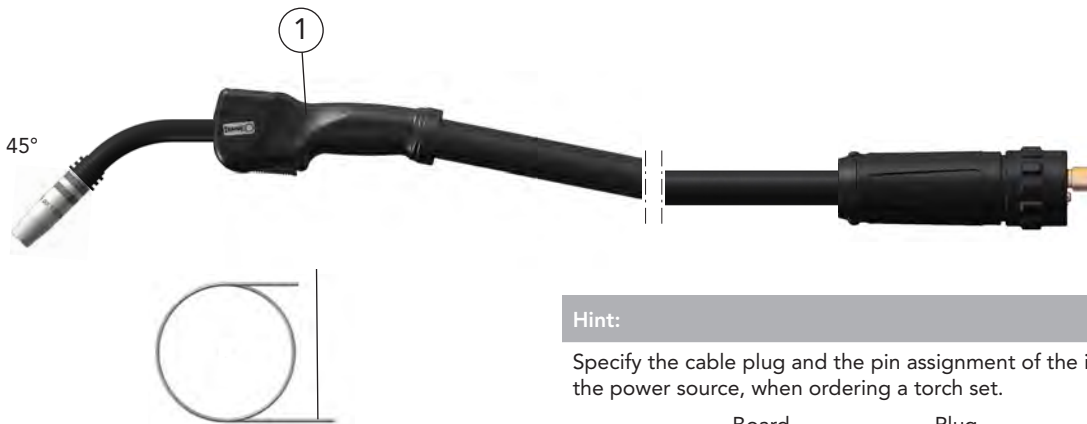
Application sample

Technical data (DIN EN 60 974-7):

CO ₂ :	duty cycle 350A/60%
Mixed gas:	300A/60%
Wire diameter:	1.0 - 1.2 mm

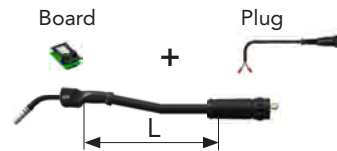
Application

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



Hint:

Specify the cable plug and the pin assignment of the interface of the power source, when ordering a torch set.



Application sample

● **OPTIONAL** Connectable to DINSE connection with intermediate adapter SA/EC (see Accessories).

	Description	Dimension	Part name	Part number
1	Torch set	3.00 m	DIX MF 340C-3 SA/___	620468___31
	Torch set	4.00 m	DIX MF 340C-4 SA/___	620468___41
3	Liner	ø 2.2 mm/3.3 m	DIX DSC 4.5/2.2-3.3	616000333
	Liner	ø 2.2 mm/4.4 m	DIX DSC 4.5/2.2-4.4	616000344

___ To configure the torch set, enter the appropriate board, the cable plug and the pin assignment of the interface of the power source.

- ▶ Variants deviating of the standard fittings on request.

Hint:

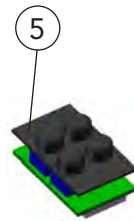
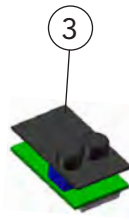
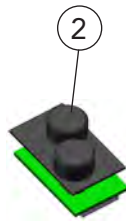
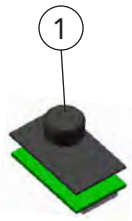
Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



BLACKline Torch sets DIX MF 340C SA

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Tuchel 7 pins



Tuchel 12 pins



Burndy 19 pins



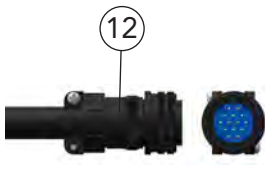
Burndy 23 pins



Binder Serie 693 6+PE



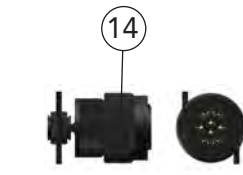
Amphenol Tuchel 126D 9 pins



Amphenol 14 pins
DMS 3106A 20-27 P



Amphenol Serie C16-3
17+PE



MIL-C-26482 12 pins

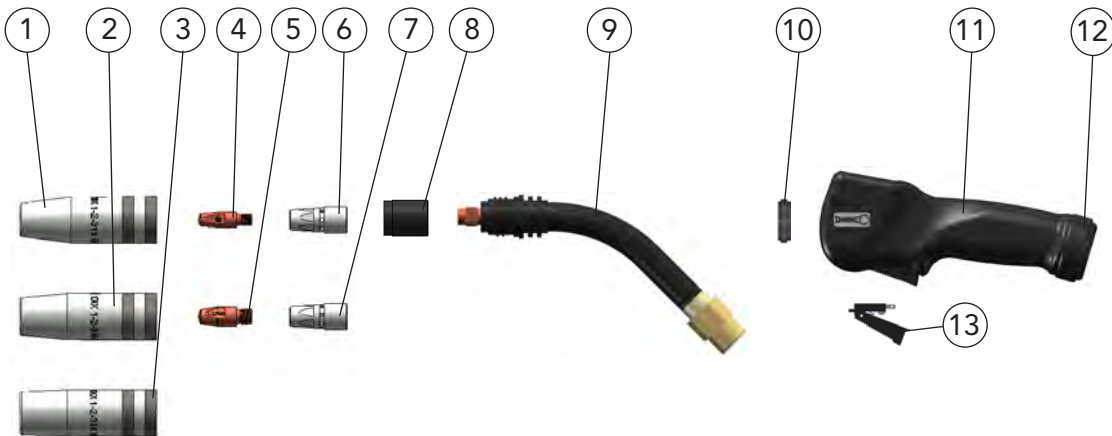
	Description	Input signal	Part name	Part number
1	Board, compl.	1 Potentiometer	DIX H MF 1P	629071027
2	Board, compl.	2 Potentiometer	DIX H MF 2P	629071025
3	Board, compl.	2 Push-button	DIX H MF 2T	629071026
4	Board, compl.	2 Push-button / 7 Segment display	DIX H MF 2T 7S	629071024
5	Board, compl.	4 Push-button	DIX H MF 4T	629071023

	Application				
6	Cable plug, 7 pins	Jäckle, OTC USA	DIX	41-2-TUCHEL 7P	629410008
7	Cable plug, 12 pins	ESS	DIX	41-2-TUCHEL 12P	629410010
8	Cable plug, 19 Pins	EWM, Oerlikon	DIX	41-2-UTG 19P	629410009
9	Cable plug, 23 Pins	DINSE, ESAB	DIX	41-2-UTG 23P	629410007
10	Cable plug, 6 Pins	ESS	DIX	TYP 693/6POL GERADE	62941001611
11	Cable plug, 9 Pins	Fronius, Castolin	DIX	DV-37-9/VL	718937009
12	Cable plug, 14 pins	Cloos, Dalex	DIX	AMPH. 14 POL	718937014
13	Cable plug, 17 pins	Cloos, Lorch	DIX	DV-37-17/VL-C16	718937517
14	Cable plug, 12 pins	Lincoln	DIX	MIL-C-26482 14/12	629410017

► Other boards and cable plugs on request.



BLACKline Torch sets DIX MF 340C SA



	Description	Dimension		Part name	Part number
1	Gas nozzle	∅ 13 mm	DIX	1-2-313 TR	6290103130
2	Gas nozzle	∅ 15 mm	DIX	1-2-315 TR	6290103150
3	Gas nozzle	∅ 18 mm	DIX	1-2-318 TR	6290103180
4	Contact tip	M6 x 28 mm	DIX	3-2-__	6290300__
	Contact tip	M6 x 28 mm	DIX	3-2-__ CR-ZR	6290330__
5	Contact tip	M8 x 28 mm	DIX	3-2-__ M8	6290301__
	Contact tip	M8 x 28 mm	DIX	3-2-__ M8 CR-ZR	6290331__
6	Tip adapter	M6	DIX	GS 300 M6	629040301
7	Tip adapter	M8	DIX	GS 300 M8	629040302
8	Insulating sleeve		DIX	IH 340	629060341038
9	Torch neck	45°	DIX	6-2-340 C 45°	6290603414
10	Support ring		DIX	H SR 340	629071030
11	Housing, compl. with pos. 12		DIX	H MF 1	629071002
12	Fixing ring		DIX	12-3-510 HR	6391250013
13	Switch		DIX	S1	629071022
	Switch mount, not shown		DIX	BR 8-2	629071032

-- Enter the required wire diameter, e.g.: 10 = 1.0 mm or 12 = 1.2 mm.

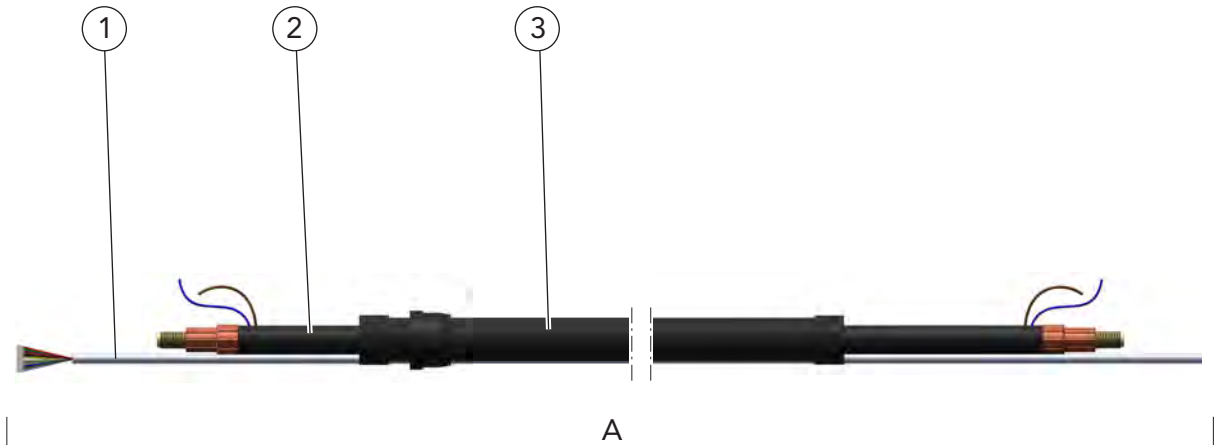
- ▶ Standard equipment for wire diameter 1.0 mm steel with gas nozzle DIX 1-2-313 TR, contact tip DIX 3-2-1.0 M6, tip adapter DIX GS 300 M6 and liner DIX DSC 4.5/2.2. Variants deviating of the standard fittings on request.



BLACKline Torch sets DIX MF 340C SA

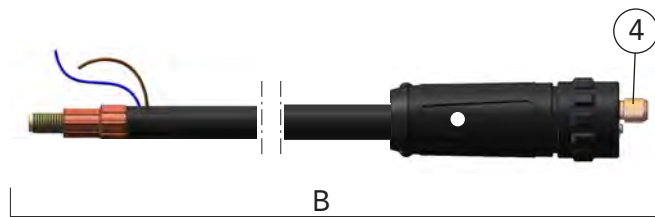
Supply hose

1



Torch view

Plug view



Description	Dimension	Part name	Part number
A Supply hose		DIX VLMF 300C-__	6222810__
1 Control wire	8.00 m		62907380020
2 Coaxial cable		DIX VLM 300C -__	6292034__
3 Cover hose		DIX VLMF 230C -__	6292341__
__ Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m. Standard lengthss: 3.0 m and 4.0 m.			
B Basic torch set		DIX MXF 300C-__ SA	62021311_1
Composed of: Coaxial cable, clamp nut and EURO connection			
4 Clamp nut		DIX 28-2 SA	629280040

-- Enter the required length of the basic torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
 Standard lengthss: 3.0 m and 4.0 m.



BLACKline Torch sets gas-cooled DIX MPW 300 PUSH-PULL up to 300A Torch heads DIX MWS/MWL 330 45°



Properties

- ▶ Torch heads can be changed quickly
- ▶ 360° revolving torch heads
- ▶ Flexible supply hose
- ▶ Bend protection at the plug view
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gas reduction by laminar gas flow and design of the tip adapter
- ▶ No gas loss due to separate shield gas feed
- ▶ Exact wire feeding by integrated powerful DINSE wire feeder
- ▶ Integrated remote control

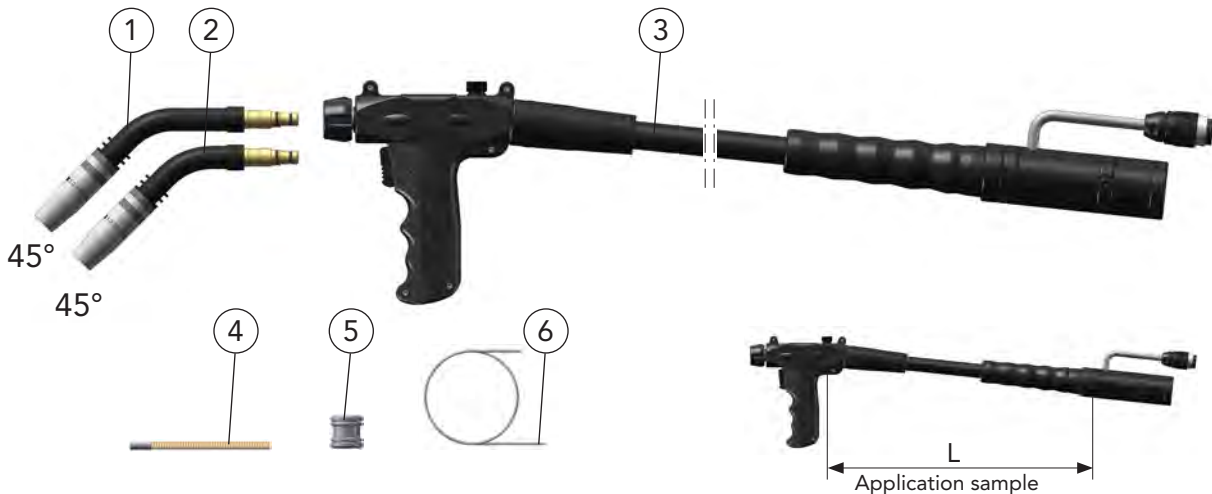


Application

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

Technical data (DIN EN 60 974-7):

CO ₂ :	duty cycle 300A/60%
Mixed gas:	270A/60%
Wire diameter:	0.8 - 1.2 mm



Description	Dimension	Part name	Part number
1 Torch head	long	DIX MWS 330 45°	6210773354
2 Torch head	short	DIX MWL 330 45°	6210773344
3 Torch set, without torch head	4.00 m	DIX MPW 300-4	620277340
Torch set, without torch head	8.00 m	DIX MPW 300-8	620277380
With integrated wire feeder and remote control, without drive roll.			
4 Liner	ø 2.2 mm/0.3 m	DIX DSH 4-0.3	629300001
5 Drive roll	ø 1.0 mm	DIX 32-2-1.0/1.0	629323100
6 Liner	ø 2.4 mm/4.5 m	DIX DS 4/2.4-4.5	623000445
Liner	ø 2.4 mm/8.5 m	DIX DS 4/2.4-8.5	623000485

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories. In Chapter 4 System Components you will find the suitable PUSH-PULL control.

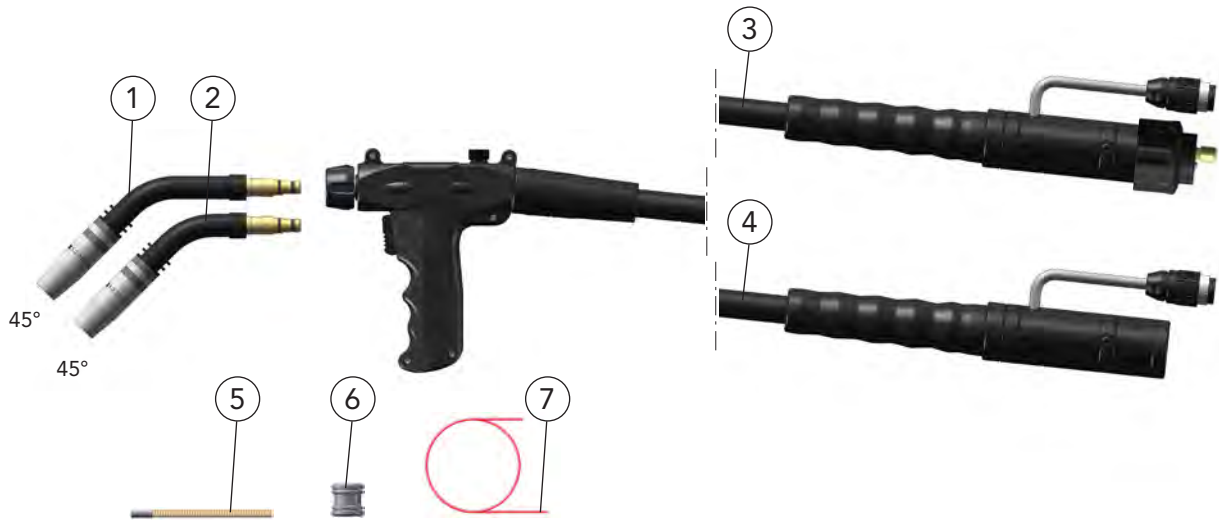




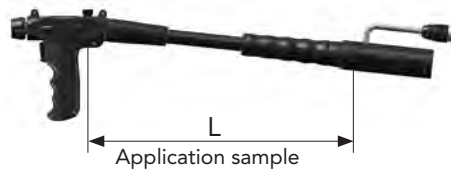
BLACKline Torch sets gas-cooled DIX MPW 300 SA (N) PUSH-PULL up to 300A Torch heads DIX MWS/MWL 330 45°

1

MIG/MAG Manual



You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.



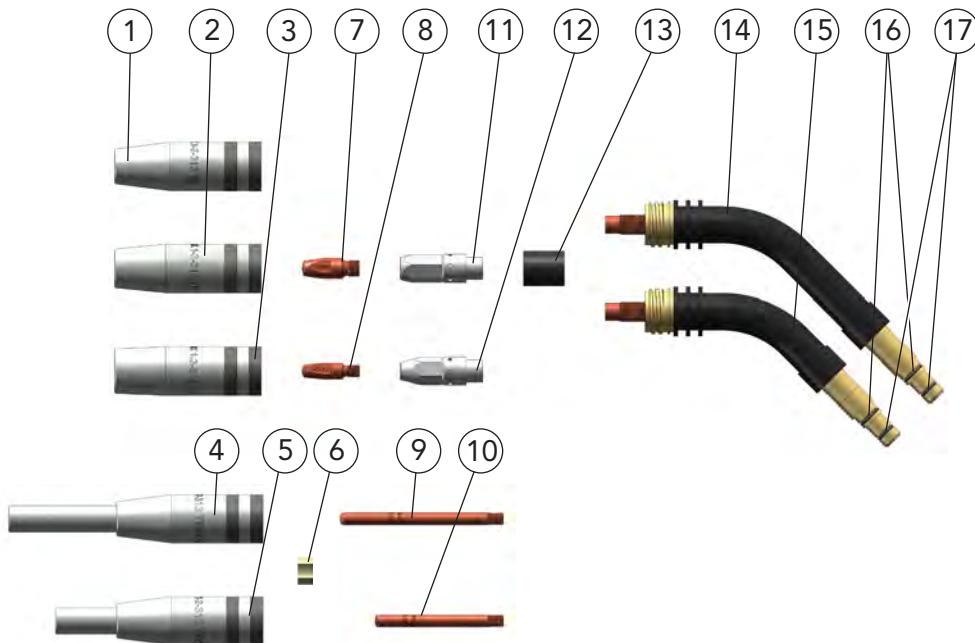
Description	Dimension	Part name	Part number
1 Torch head	long	DIX MWS 330 45°	6210773354
2 Torch head	short	DIX MWL 330 45°	6210773344
3 Torch set, without torch head	4.00 m	DIX MPW 300-4 SA	620277341
Torch set, without torch head	8.00 m	DIX MPW 300-8 SA	620277381
4 Torch set, without torch head	4.00 m	DIX MPW 300-4 N	620277344
Torch set, without torch head	8.00 m	DIX MPW 300-8 N	620277384
With integrated wire feeder and remote control, without drive roll.			
5 Liner	ø 2.2 mm/0.3 m	DIX DSH 4-.,3	629300001
6 Drive roll	ø 1.0 mm	DIX 32-2-1.0/1.0	629323100
7 Liner	ø 2.4 mm/4.5 m	DIX DS 4/2.4-4.5	623000445
Liner	ø 2.4 mm/8.5 m	DIX DS 4/2.4-8.5	623000485

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories. In Chapter 4 System Components you will find the suitable PUSH-PULL control.



Torch heads DIX MWS/MWL 330 45°



	Description	Dimension		Part name	Part number
1	Gas nozzle	∅ 13 mm	DIX	1-2-313 TR	6290103130
2	Gas nozzle	∅ 15 mm	DIX	1-2-315 TR	6290103150
3	Gas nozzle	∅ 18 mm	DIX	1-2-318 TR	6290103180
4	Narrow gap gas nozzle*	∅ 13 x 125mm	DIX	1-2-313 TR/125	6290103131
5	Narrow gap gas nozzle	∅ 13 x 102mm	DIX	1-2-313 TR/102	P629010KI001
6	centre star		DIX	1-2-010/115	62901001413
7	Contact tip	M8 x 28 mm	DIX	3-2-.. M8	6290301..
	Contact tip	M8 x 28 mm	DIX	3-2-.. M8 CR-ZR	6290331..
8	Contact tip	M6 x 28 mm	DIX	3-2-..	6290300..
	Contact tip	M6 x 28 mm	DIX	3-2-.. CR-ZR	6290330..
9	Contact tip, for pos. 4*	M6 x 80 mm	DIX	3-1-.. /80	6190394..
10	Contact tip, for pos. 5	M6 x 63 mm	DIX	3-1-1.2/63	P619039HM003
11	Tip adapter	M8	DIX	4-2-K M8	629040110
12	Tip adapter	M6	DIX	4-2-K M6	629040010
13	Insulating sleeve		DIX	10-2	629100000
14	Torch neck	45° long	DIX	6-2-330 WS 45°	62906073354
15	Torch neck	45° short	DIX	6-2-330 WL 45°	62906073344
16	O-Ring 9x1.5	(10 pcs.)			629900267
17	O-Ring 7x1.5	(10 pcs.)			639159009

* Only in conjunction with tip adapter 4-2-K M6, pos. 12.

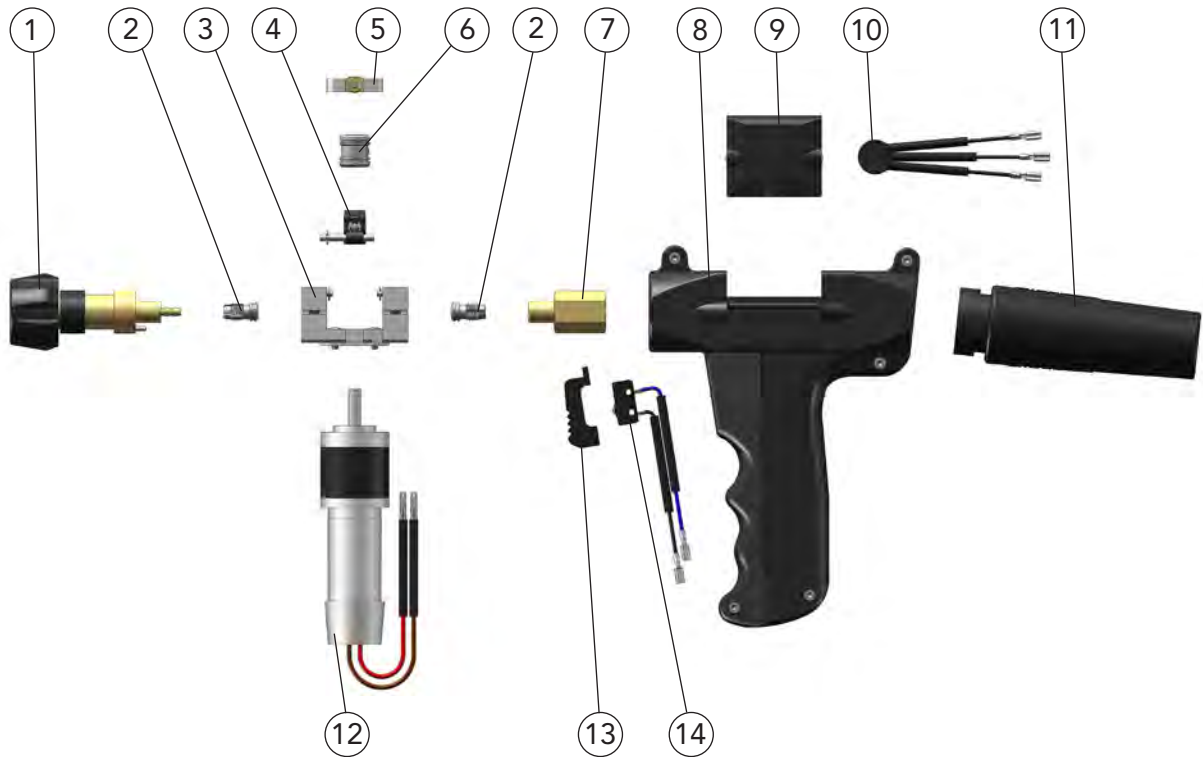
-- Enter the required wire diameter, e.g.: 10 = 1.0 mm or 12 = 1.2 mm.

- Standard equipment for wire diameter 1.0 mm steel with gas nozzle DIX 1-2-315 TR, contact tip DIX 3-2-1.0 M8 and tip adapter DIX 4-2-K M8.
Variants deviating of the standard fittings on request.



BLACKline Torch sets DIX MPW 300 (SA) (N) PUSH-PULL

1

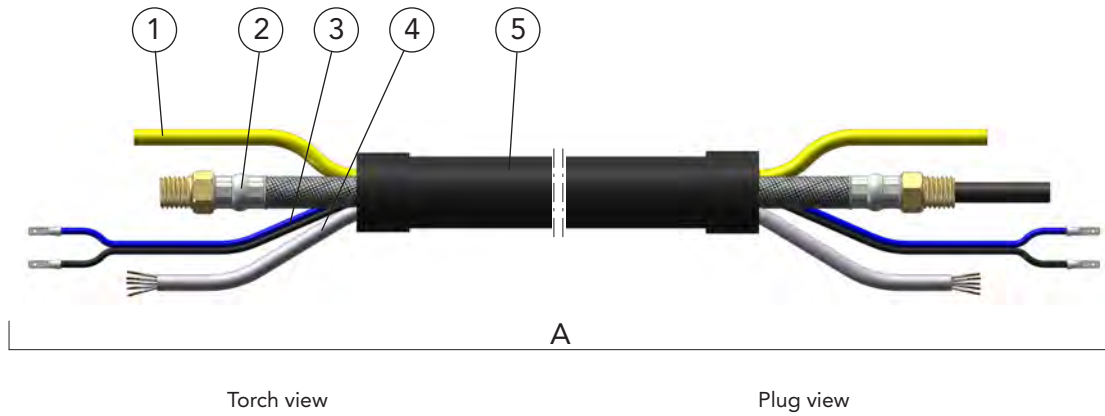


Description	Part name	Part number
1 Torch connection	DIX 15-2 PW	629150770
2 Clamp sleeve	DIX SH 270	629270270
3 Connection block	DIX 35-1	619350000
4 Pressure system	DIX 31-1	619310000
5 Stirrup lock	DIX 34-1	619340000
6 Drive roll, for steel	DIX 32-2-_//_	629323_0
Drive roll, for aluminium alloy	DIX 32-2-_//_ A	629324_0
7 Supply hose connection	DIX 36-2 P	6293657000
8 Handle	DIX 7-2-300 P	629070370
9 Cover	DIX 33-2-300	629330300
10 Potentiometer	DIX 39-1 10 KΩ ROT	619390010
11 Rubber cover	DIX 37-2	629370000
12 Gear motor	DIX 38-2 P	629380001
13 Trigger	DIX 9-1-200 P	619090270
14 Micro switch	DIX 8-2	629080000

-- Enter the required wire diameter, e.g.: 10 = 1.0 mm or 12 = 1.2 mm.



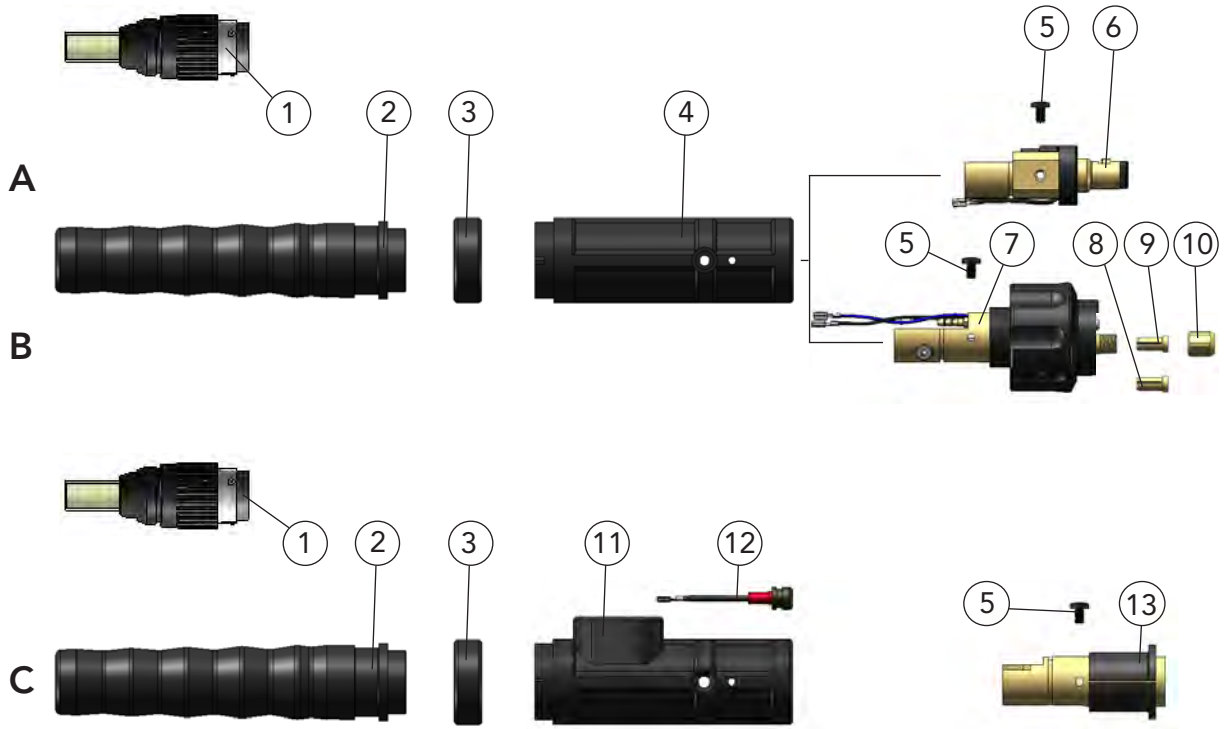
BLACKline Torch sets DIX MPW 300 (SA) (N) PUSH-PULL Supply hose



Description	Part name	Part number
A Supply hose	DIX VLMP 300-__	6222703-__
1 Gas hose	DIX VL 180-__	639186001-__
2 Binary cable	DIX VLM 2330-__	6292066-__
3 Control wire	DIX VLM 211-__	6292110-__
4 Control wire, 5 pins	DIX 42-2-__	6294200-__
5 Cover hose	DIX VLM 330-__	6292313-__

-- Enter the required length of the welding torch set, e.g.: 40 = 4.0 m or 80 = 8.0 m.
Standard lengths: 4.0 m and 8.0 m.

BLACKline Torch sets DIX MPW 300 (SA) (N) PUSH-PULL Plug



NOTE You need a Power Pin / Power Pin Set for the compact plug DIX KCMEP 330 N (Pos. C). You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Part name	Part number
A Plug	DIX KCMEP 330	624070330
B Plug	DIX KCMEP 330 SA	624070331
C Plug	DIX KCMEP 330 N	624070332
1 Cable plug (Other cable plugs on request.)	DIX 41-2-TUCHEL 5P	629410000
2 Plug sleeve	DIX ME 300 SM	629120000
3 Fixing ring	DIX 12-3-510 HR	6391250013
4 Plug housing	DIX ME 300 SGP	629123370
5 Holding screw (10 pcs.)	DIX ME 300 HS	629070005
6 Plug insert	DIX ME 300 SE	639113004
7 Plug insert	DIX ME 300 SA	639113005
8 Clamp sleeve, without block for capillary liner	DIX 27-2 MAP	629270041
9 Clamp sleeve, with block for liner	DIX 27-2 SA	629270040
10 Clamp nut	DIX 28-2 SA	629280040
11 Plug housing	DIX ME 600 SGN	6391250020
12 Plug connector	DIX CS 600 SGN	6391250021
13 Plug insert	DIX ME 300 N	639116077
Sealing cap, not shown	DIX 12-3-510 DK	901515135

BLACKline Torch sets liquid-cooled DIX MSZ 230 (SAZ) (N) up to 270A

Properties

- Flexible supply hose
- Bend protection at the torch and the plug
- Gas nozzle with rugged trapezoidal thread
- Optimum gas coverage by recessed contact tip
- Gas reduction by laminar gas flow and design of the tip adapter
- No gas loss due to separate shield gas feed

- **Options:**
Diameter reduced gas nozzle



Design with handle type MS



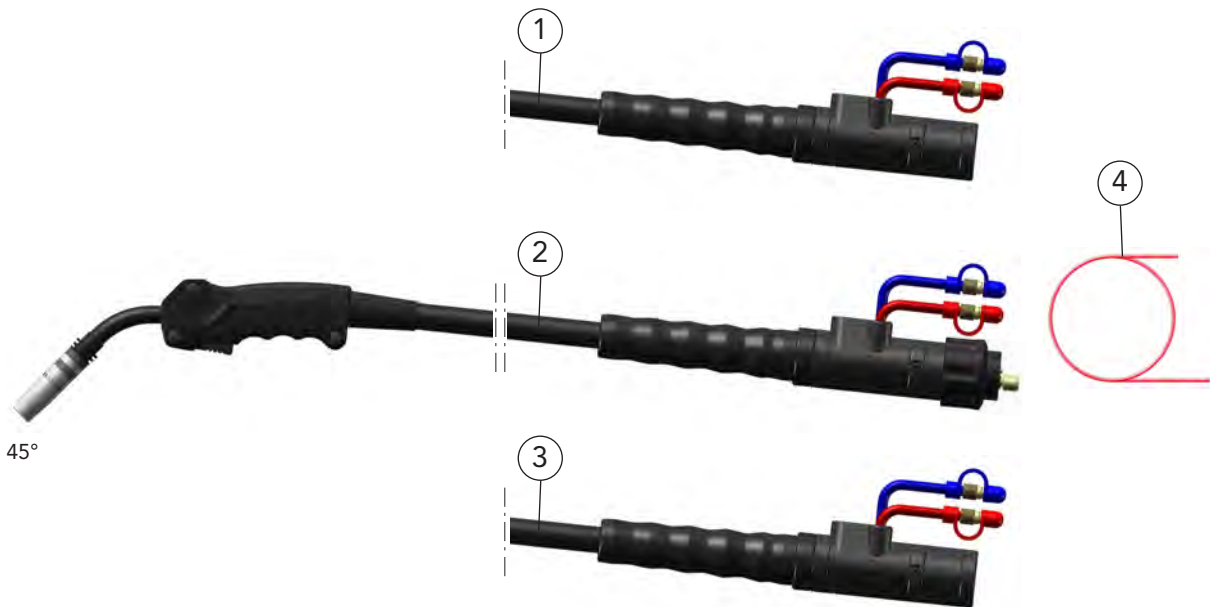
Reduced gas nozzle

Application

- Non- and low alloyed steels
- High alloyed steels

Technical data (DIN EN 60 974-7):

CO ₂ :	duty cycle 270A/60%
Mixed gas:	250A/60%
Wire diameter:	0.8 - 1.0 mm



● You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MSZ 230-3	6103123130
Torch set	4.00 m	DIX MSZ 230-4	6103123140
2 Torch set	3.00 m	DIX MSZ 230-3 SAZ	6103123131
Torch set	4.00 m	DIX MSZ 230-4 SAZ	6103123141
3 Torch set	3.00 m	DIX MSZ 230-3 N	6103123134
Torch set	4.00 m	DIX MSZ 230-4 N	6103123144
4 Liner	ø 1.8 mm/3.5 m	DIX DS 4/1.8-3.5	613000235
Liner	ø 1.8 mm/4.5 m	DIX DS 4/1.8-4.5	613000245

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



BLACKline Torch sets liquid-cooled DIX MNFZ 230 (SAZ) (N) up to 270A

Properties

- ▶ Flexible supply hose
- ▶ Bend protection at the torch and the plug
- ▶ Recall of the stored working points or welding programs directly at the welding gun
- ▶ Retrofit of various control modules for individual welding applications possible
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gas reduction by laminar gas flow and design of the tip adapter
- ▶ No gas loss due to separate shield gas feed
- ▶ **Options:**
Diameter reduced gas nozzle

Application

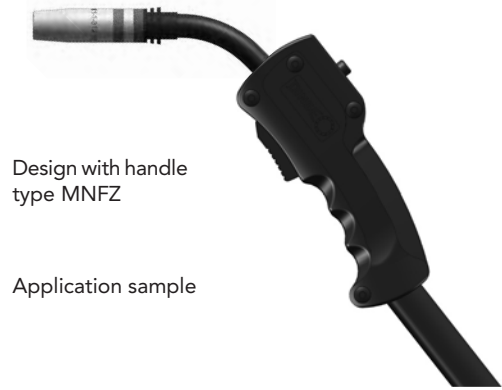
- ▶ Non- and low alloyed steels
- ▶ High alloyed steels

Technical data (DIN EN 60 974-7):

CO ₂ :	duty cycle 270A/60%
Mixed gas:	250A/60%
Wire diameter:	0.8 - 1.0 mm

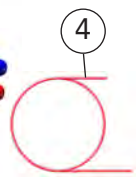


INFO You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.



Hint:

Specify the cable plug and the pin assignment of the interface of the power source, when ordering a torch set.



	Description	Dimension	Part name	Part number
1	Torch set	3.00 m	DIX MNFZ 230-3/_ _ _	610xxx _ _ 30
	Torch set	4.00 m	DIX MNFZ 230-4/_ _ _	610xxx _ _ 40
	Torch set	5.00 m	DIX MNFZ 230-5/_ _ _	610xxx _ _ 50
2	Torch set	3.00 m	DIX MNFZ 230-3 SAZ/_ _ _	610xxx _ _ 31
	Torch set	4.00 m	DIX MNFZ 230-4 SAZ/_ _ _	610xxx _ _ 41
	Torch set	5.00 m	DIX MNFZ 230-5 SAZ/_ _ _	610xxx _ _ 51
3	Torch set	3.00 m	DIX MNFZ 230-3 N/_ _ _	610xxx _ _ 34
	Torch set	4.00 m	DIX MNFZ 230-4 N/_ _ _	610xxx _ _ 44
	Torch set	5.00 m	DIX MNFZ 230-5 N/_ _ _	610xxx _ _ 54
4	Liner	ø 1.8 mm/3.5 m	DIX DS 4/1.8-3.5	613000235
	Liner	ø 1.8 mm/4.5 m	DIX DS 4/1.8-4.5	613000245
	Liner	ø 1.8 mm/5.5 m	DIX DS 4/1.8-5.5	613000255

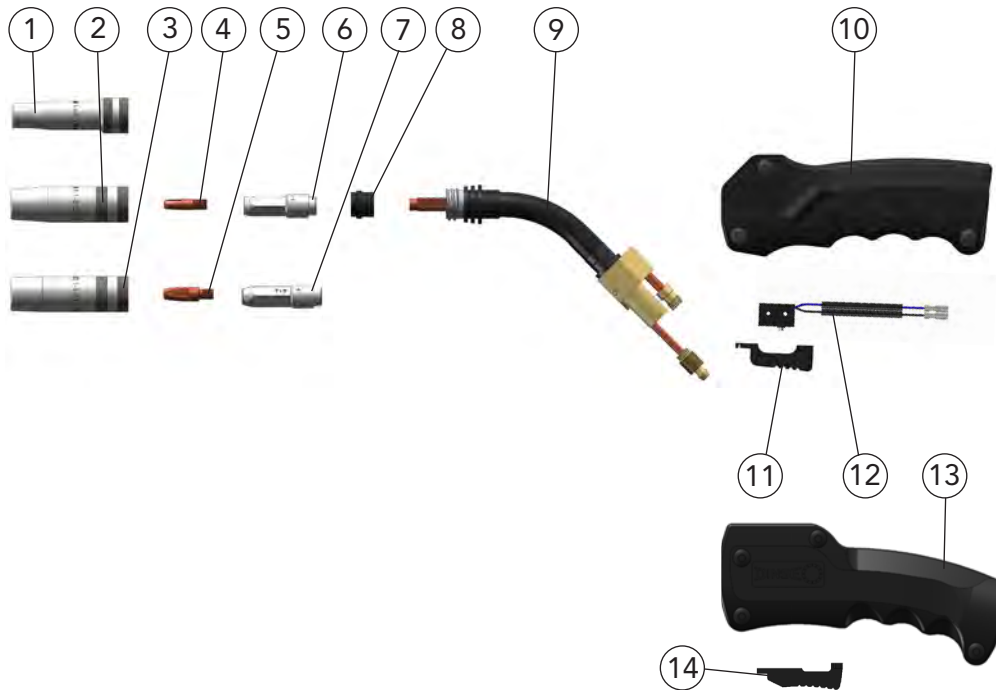
--- To configure the torch set, enter the appropriate board, the cable plug and the pin assignment of the interface of the power source.

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



BLACKline Torch sets DIX MSZ/MNFZ 230 (SAZ) (N)



Description	Dimension	Part name	Part number
1 Gas nozzle	ø 11 mm	DIX 1-1-311 TRR	6190106110
2 Gas nozzle	ø 13 mm	DIX 1-1-312 TR	6190103120
3 Gas nozzle	ø 16 mm	DIX 1-1-316 TR	6190103160
4 Contact tip	M6 x 24 mm	DIX 3-1-__	6190300__
5 Contact tip	M6 x 28 mm	DIX 3-2-__	6290300__
Contact tip	M6 x 28 mm	DIX 3-2-__ CR-ZR	6290330__
6 Tip adapter	M6	DIX 4-1-L	619040020
7 Tip adapter	M6	DIX 4-1-K	619040010
8 Insulating sleeve		DIX 10-1-222	619100202
9 Torch neck	45°	DIX 6-1-230 Z	6190610234
10 Handle		DIX 7-2-303 S	629070310
11 Trigger		DIX 9-2	629090000
12 Micro switch		DIX 8-2	629080000
13 Handle		DIX 7-2-304 NF	629070386
14 Trigger		DIX 9-2-304 S	629090304

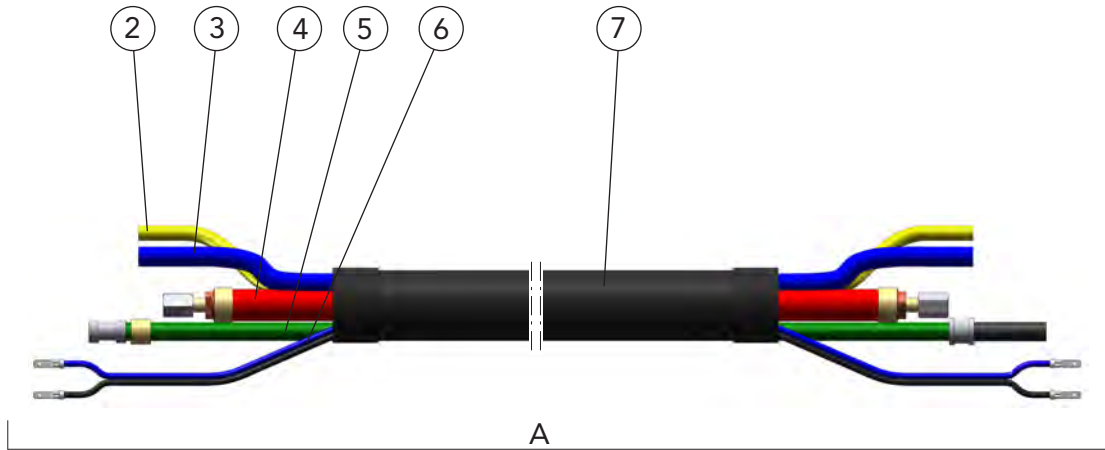
-- Enter the required wire diameter, eg.: 08 = 0.8 mm or 10 = 1.0 mm.

- Standard equipment for wire diameter 1.0 mm steel with gas nozzle DIX 1-1-312 TR, contact tip DIX 3-1-1.0, tip adapter DIX 4-1-K and liner DIX DS 4/1.8. Variants deviating of the standard fittings on request.



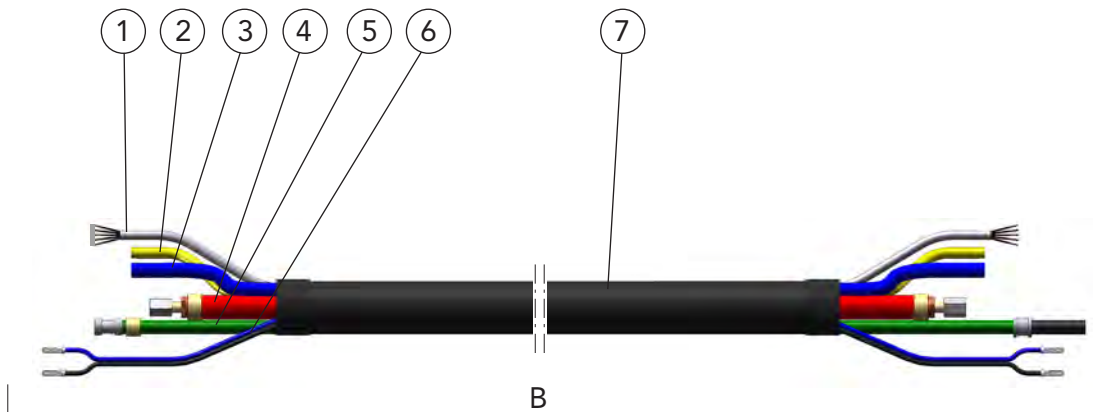
BLACKline Torch sets DIX MSZ/MNFZ 230 (SAZ) (N) Supply hose

1



Torch - view

Plug - view



Torch - view

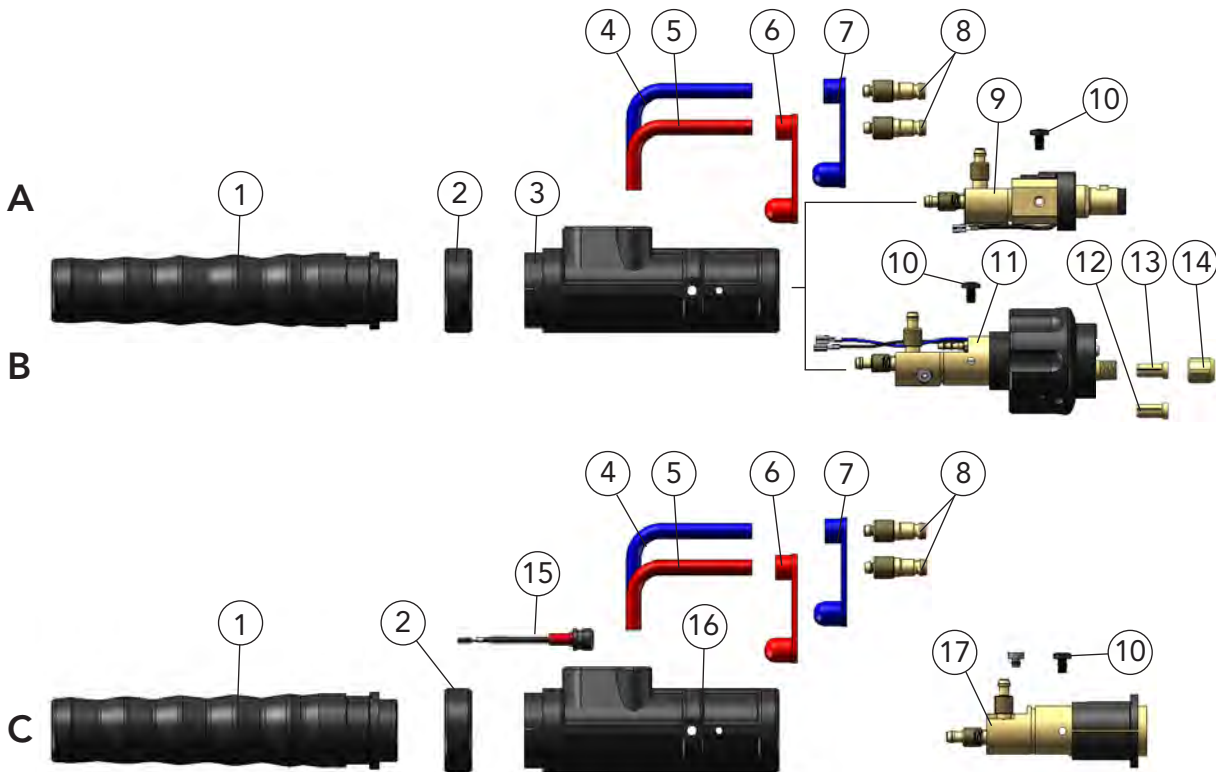
Plug - view

Description	Part name	Part number
A Supply hose	DIX VLMZ 300-__	6223003__
B Supply hose	DIX VLMFZ 300-__	6223800__
1 Control wire	DIX VLM 219-__	6292190__
2 Gas hose	DIX VL 180-__	639186001__
3 Water hose	DIX VL 190-__ BLAU	639196001__
4 Combi cable	DIX 22-2-303-__	6292213__
5 Conduit hose	DIX VLM 2010-__	6292016__
6 Control wire	DIX VLM 211-__	6292110__
7 Cover hose	DIX VLM 330-__	6292313__

-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m and 4.0 m



BLACKline Torch sets DIX MSZ/MNFZ 230 (SAZ) (N) Plug



● You need a Power Pin / Power Pin Set for the compact plug DIX KCZME 330 N (Pos. C). You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
A Plug		DIX KCZME 330 Z	624100330
B Plug		DIX KCZME 330 SAZ	624100331
C Plug		DIX KCZME 330 N	638900043
1 Plug sleeve		DIX ME 300 SM	629120000
2 Fixing ring		DIX 12-3-510 HR	6391250013
3 Plug housing		DIX 12-3-510 SG	6391250011
4 Connection hose, blue	0.60 m	DIX VL 170 BLAU	629171003
5 Connection hose, red	0.60 m	DIX VL 171 ROT	629171004
6 Cap, red		DIX VL 173	629172002
7 Cap, blue		DIX VL 172	629172001
8 Water plug	ø 5.0 mm	DIX 16-2	629160000
9 Plug insert		DIX ME 300 SEZ	639116064
10 Holding screw (10 pcs.)		DIX ME 300 HS	629070005
11 Plug insert		DIX ME 300 SAZ	639116061
12 Clamp sleeve, without block for capillary liner		DIX 27-2 MAP	629270041
13 Clamp sleeve, with block for liner		DIX 27-2 SA	629270040
14 Clamp nut		DIX 28-2 SA	629280040
15 Plug connector		DIX CS 600 SGN	6391250021
16 Plug housing		DIX ME 600 SGN	6391250020
17 Plug insert		DIX ME 600 N	639116076



BLACKline Torch sets liquid-cooled DIX MSZ/MGZ/MCZ 330 up to 400A

Properties

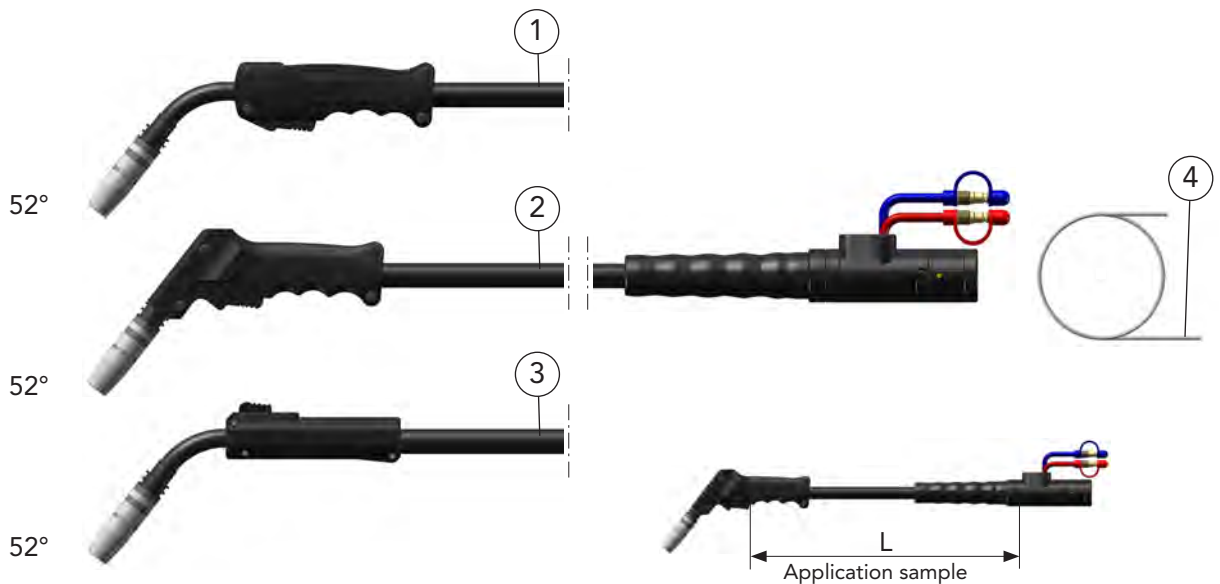
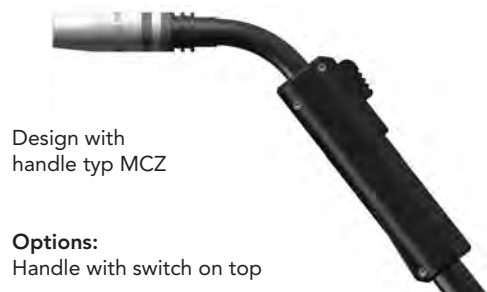
- ▶ Flexible supply hose
- ▶ Bend protection at the plug view
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gas reduction by laminar gas flow and design of the tip adapter
- ▶ No gas loss due to separate shield gas feed

Application

- ▶ Non- and low alloyed steels
- ▶ High alloyed steels
- ▶ Copper alloys for the MSG brazing
- ▶ Aluminium-, magnesium- and nickel alloys

Technical data (DIN EN 60 974-7):

	duty cycle
CO ₂ :	400A/60%
Mixed gas:	320A/60%
Wire diameter:	1.0 - 1.2 mm



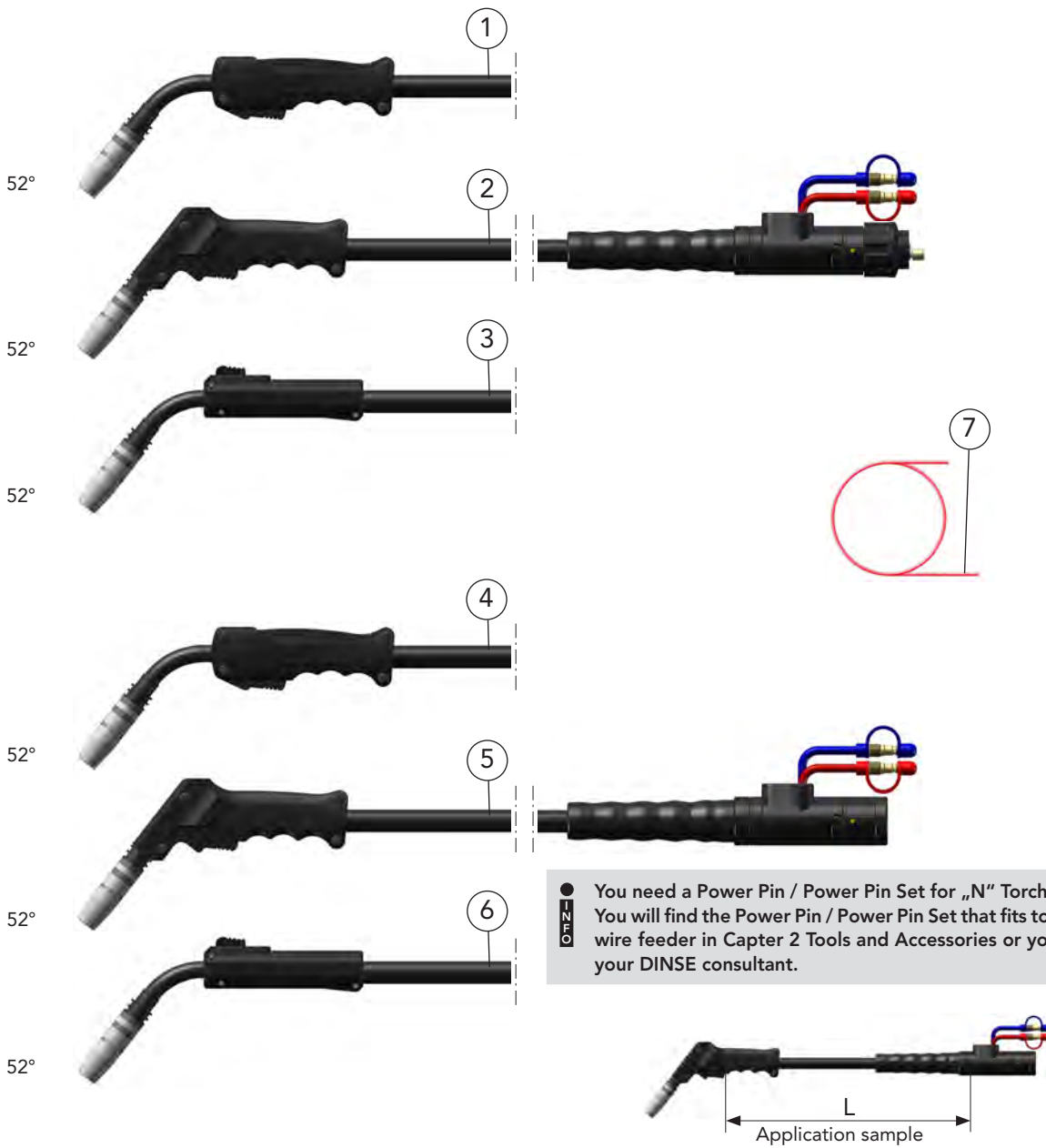
Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MSZ 330-3	6203133130
Torch set	4.00 m	DIX MSZ 330-4	6203133140
2 Torch set	3.00 m	DIX MGZ 330-3	6203033130
Torch set	4.00 m	DIX MGZ 330-4	6203033140
3 Torch set	3.00 m	DIX MCZ 330-3	6203333130
Torch set	4.00 m	DIX MCZ 330-4	6203333140
4 Liner	∅ 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
Liner	∅ 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



BLACKline Torch sets liquid-cooled DIX MSZ/MGZ/MCZ 330 SAZ (N) up to 400A



● You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MSZ 330-3 SAZ	6203133131
Torch set	4.00 m	DIX MSZ 330-4 SAZ	6203133141
2 Torch set	3.00 m	DIX MGZ 330-3 SAZ	6203033131
Torch set	4.00 m	DIX MGZ 330-4 SAZ	6203033141
3 Torch set	3.00 m	DIX MCZ 330-3 SAZ	6203333131
Torch set	4.00 m	DIX MCZ 330-4 SAZ	6203333141
4 Torch set	3.00 m	DIX MSZ 330-3 N	6203133134
Torch set	4.00 m	DIX MSZ 330-4 N	6203133144
5 Torch set	3.00 m	DIX MGZ 330-3 N	6203033134
Torch set	4.00 m	DIX MGZ 330-4 N	6203033144
6 Torch set	3.00 m	DIX MCZ 330-3 N	6203333134
Torch set	4.00 m	DIX MCZ 330-4 N	6203333144
7 Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



BLACKline Torch sets liquid-cooled DIX MNFZ 330 (SAZ)(N) up to 400A

Properties

- ▶ Flexible supply hose
- ▶ Adjustment of welding power in UP/DOWN operation
- ▶ Recall of the stored working points or welding programs directly at the welding gun
- ▶ Retrofit of various control modules for individual welding applications possible
- ▶ Installation and repair-friendly
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ No gas loss due to separate shield gas feed

Application

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

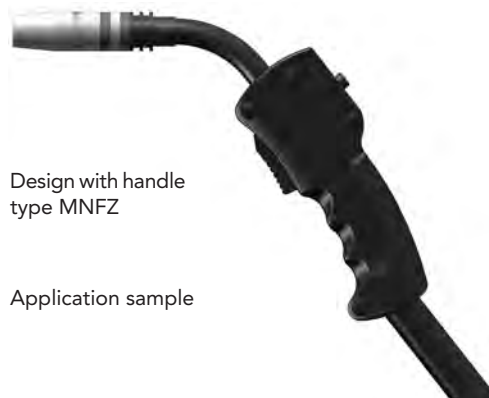
Technical data (DIN EN 60 974-7):

CO ₂ :	duty cycle 400A/60%
Mixed gas:	320A/60%
Wire diameter:	1.0 - 1.2 mm



52°

Application sample



Design with handle type MNFZ

Application sample

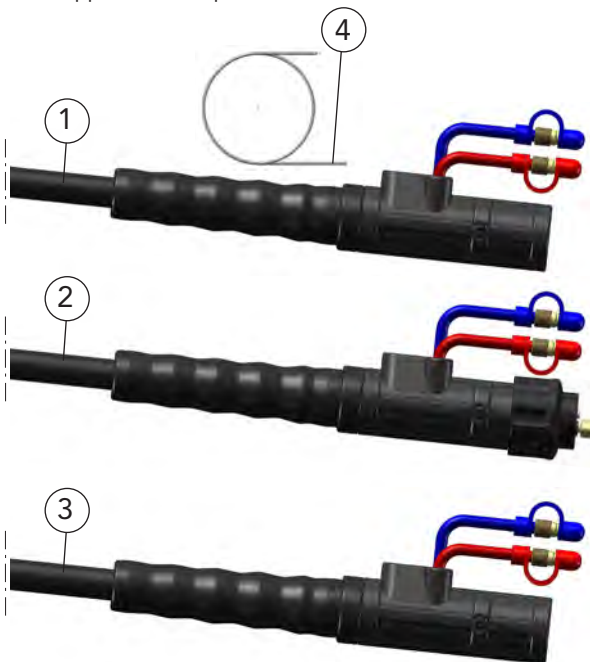
Hint:

Specify the cable plug and the pin assignment of the interface of the power source, when ordering a torch set

Board



Application sample



● You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MNFZ 330-3 / ___	620683__30
Torch set	4.00 m	DIX MNFZ 330-4 / ___	620683__40
Torch set	5.00 m	DIX MNFZ 330-5 / ___	620683__50
2 Torch set	3.00 m	DIX MNFZ 330-3 SAZ / ___	620683__31
Torch set	4.00 m	DIX MNFZ 330-4 SAZ / ___	620683__41
Torch set	5.00 m	DIX MNFZ 330-5 SAZ / ___	620683__51
3 Torch set	3.00 m	DIX MNFZ 330-3 N / ___	620683__34
Torch set	4.00 m	DIX MNFZ 330-4 N / ___	620683__44
Torch set	5.00 m	DIX MNFZ 330-5 N / ___	620683__54
4 Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345
Liner	ø 2.2 mm/5.5 m	DIX DS 4/2.2-5.5	623000355

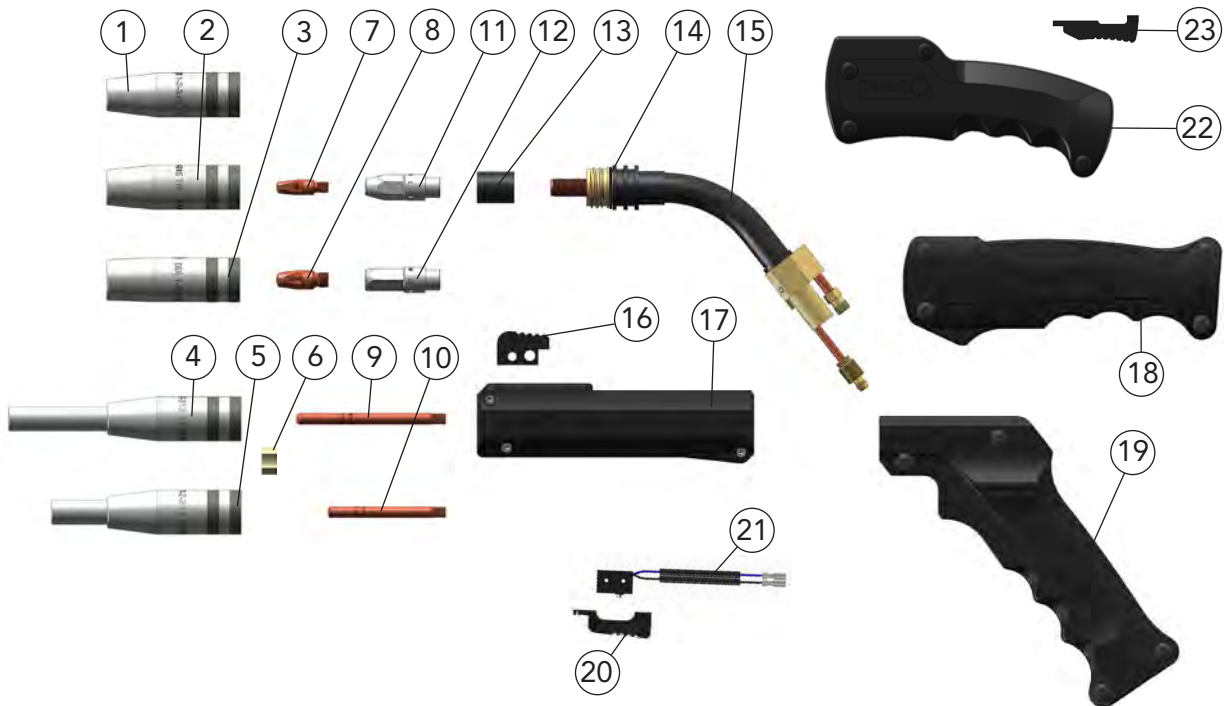
--- To configure the torch set, enter the appropriate board, the cable plug and the pin assignment of the interface of the power source.

- ▶ Variants deviating of the standard fittings on request.

Hint: Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



BLACKline Torch sets DIX MSZ/MGZ/MCZ/MNFZ 330 (SAZ) (N)



Description	Dimension		Part name	Part number
1 Gas nozzle	ø 13 mm	DIX	1-2-313 TR	6290103130
2 Gas nozzle	ø 15 mm	DIX	1-2-315 TR	6290103150
3 Gas nozzle	ø 18 mm	DIX	1-2-318 TR	6290103180
4 Narrow gap gas nozzle*	ø 13 x 125mm	DIX	1-2-313 TR/125	6290103131
5 Narrow gap gas nozzle	ø 13 x 102mm	DIX	1-2-313 TR/102	P629010KI001
6 Centre star		DIX	1-2-010/115	62901001413
7 Contact tip	M8 x 28 mm	DIX	3-2-__ M8	6290301__
Contact tip	M8 x 28 mm	DIX	3-2-__ M8 CR-ZR	6290331__
8 Contact tip	M6 x 28 mm	DIX	3-2-__	6290300__
Contact tip	M6 x 28 mm	DIX	3-2-__ CR-ZR	6290330__
9 Contact tip, for pos. 4*	M6 x 80 mm	DIX	3-1-__/80	6190394__
10 Contact tip, for pos. 5	M6 x 63 mm	DIX	3-1-1.2/63	P619039HM003
11 Tip adapter	M8	DIX	4-2-K M8	629040110
12 Tip adapter	M6	DIX	4-2-K M6	629040010
13 Insulating sleeve		DIX	10-2	629100000
14 O-Ring 19x1.5	(10 pcs.)			629073901
15 Torch neck	52°	DIX	6-2-330 Z	6290613310
16 Trigger		DIX	9-2 C	629090030
17 Handle		DIX	7-2-303 C	629070330
18 Handle		DIX	7-2-303 S	629070310
19 Handle		DIX	7-2-303 G	629070300
20 Trigger		DIX	9-2	629090000
21 Micro switch		DIX	8-2	629080000
22 Handle		DIX	7-2-330 NF	629070387
23 Trigger, for pos. 22		DIX	9-2-304 S	629090304

* Only in conjunction with tip adapter 4-2-K M6, pos. 12.

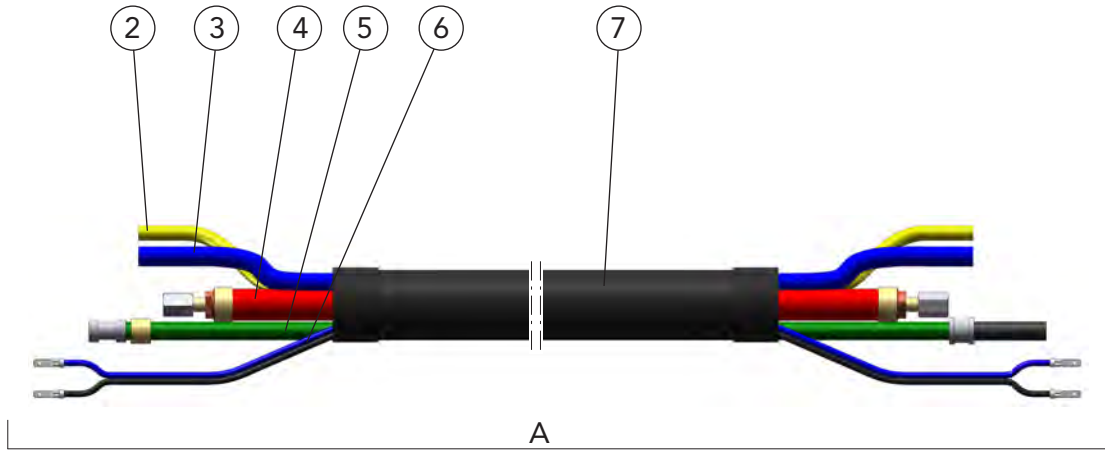
-- Enter the required wire diameter, e.g.: 10 = 1.0 mm or 12 = 1.2 mm.

► Standard equipment for wire diameter 1.2 mm steel with gas nozzle DIX 1-2-315 TR, contact tip DIX 3-2-1.2 M8, tip adapter DIX 4-2-K M8 and liner DIX DS 4/2.2. Variants deviating of the standard fittings on request.



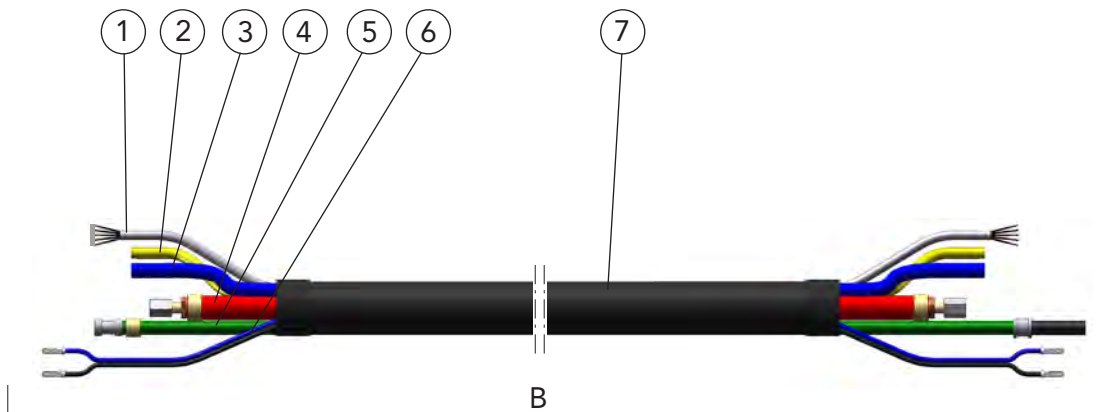
BLACKline Torch sets DIX MSZ/MGZ/MCZ/MNFZ 330 (SAZ) (N) Supply hose

1



Torch - view

Plug - view



Torch - view

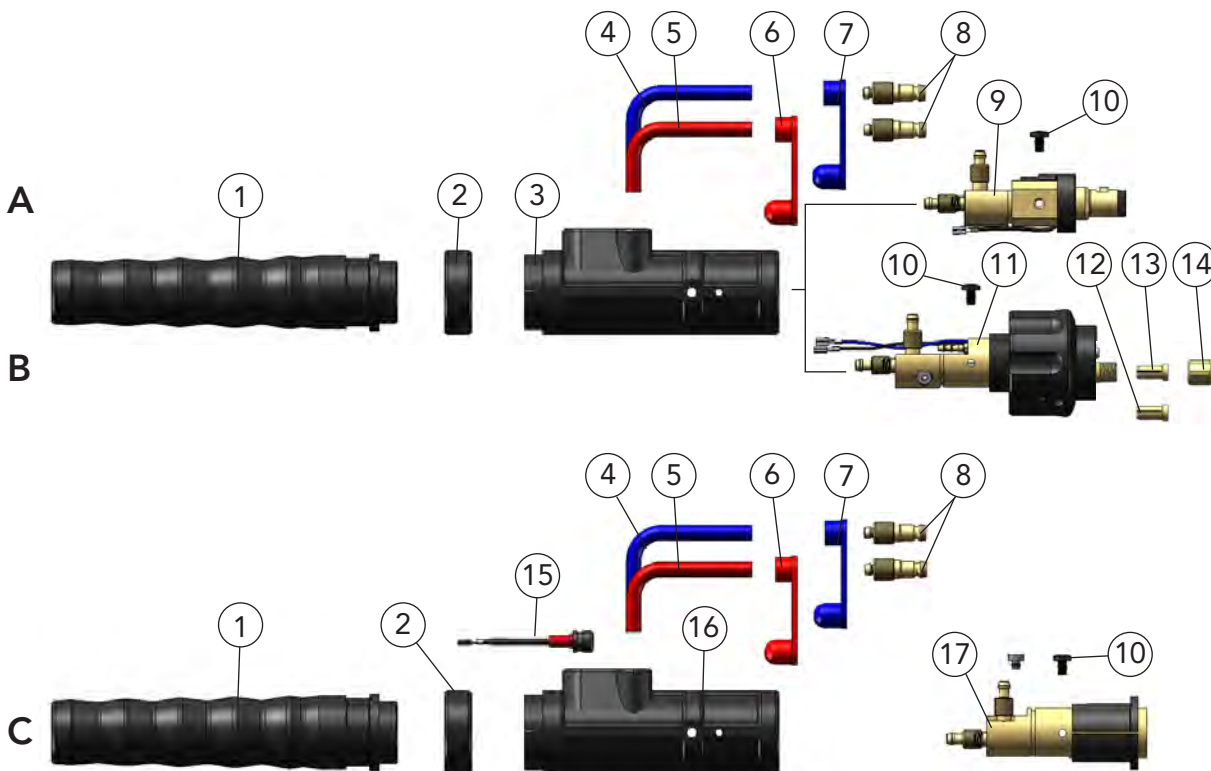
Plug - view

Description	Part name	Part number
A Supply hose	DIX VLMZ 300-__	6223003-__
B Supply hose	DIX VLMFZ 300-__	6223800-__
1 Control wire	DIX VLM 219-__	6292190-__
2 Gas hose	DIX VL 180-__	639186001-__
3 Water hose	DIX VL 190-__ BLAU	639196001-__
4 Combi cable	DIX 22-2-303-__	62922133-__
5 Conduit hose	DIX VLM 2010-__	6292016-__
6 Control wire	DIX VLM 211-__	6292110-__
7 Cover hose	DIX VLM 330-__	6292313-__

-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m, 4.0 m and 5.0 m.



BLACKline Torch sets MSZ/MGZ/MCZ/MNFZ 330 (SAZ) (N) Plug



● You need a Power Pin / Power Pin Set for the compact plug DIX KCZME 330 N (Pos. C). You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
A Plug		DIX KCZME 330 Z	624100330
B Plug		DIX KCZME 330 SAZ	624100331
C Plug		DIX KCZME 330 N	638900043
1 Plug sleeve		DIX ME 300 SM	629120000
2 Fixing ring		DIX 12-3-510 HR	6391250013
3 Plug housing		DIX 12-3-510 SG	6391250011
4 Connection hose, blue	0.60 m	DIX VL 170 BLAU	629171003
5 Connection hose, red	0.60 m	DIX VL 171 ROT	629171004
6 Cap, red		DIX VL 173	629172002
7 Cap, blue		DIX VL 172	629172001
8 Water plug	ø 5.0 mm	DIX 16-2	629160000
9 Plug insert		DIX ME 300 SEZ	639116064
10 Holding screw (10 pcs.)		DIX ME 300 HS	629070005
11 Plug insert		DIX ME 300 SAZ	639116061
12 Clamp sleeve, without block for capillary liner		DIX 27-2 MAP	629270041
13 Clamp sleeve, with block for liner		DIX 27-2 SA	629270040
14 Clamp nut		DIX 28-2 SA	629280040
15 Plug connector		DIX CS 600 SGN	6391250021
16 Plug housing		DIX ME 600 SGN	6391250020
17 Plug insert		DIX ME 600 N	639116076



BLACKline Torch sets liquid-cooled DIX MSZ/MCZ/MSLZ/MCLZ 304 up to 500A

Properties

- ▶ Flexible supply hose
- ▶ Bend protection at the plug view
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gas reduction by laminare gas flow and design of the gas diffusor
- ▶ No gas loss due to separate shield gas feed
- ▶ Version MSZ 304 and MCZ 304 with high-quality insulation at the torch neck

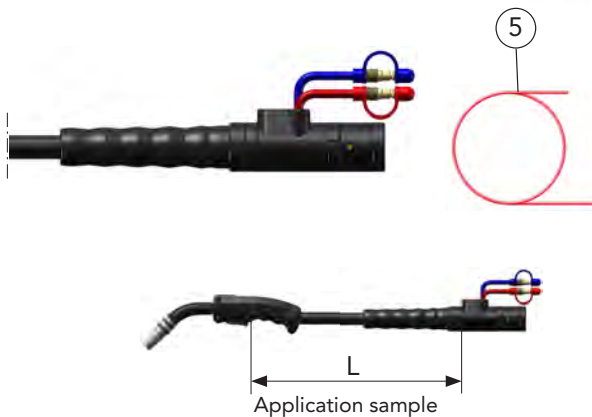
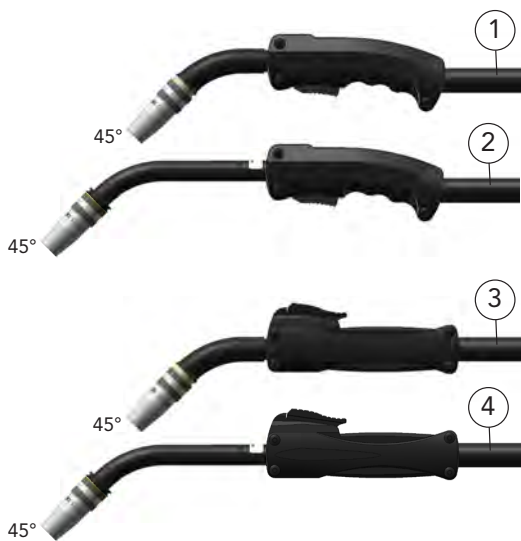
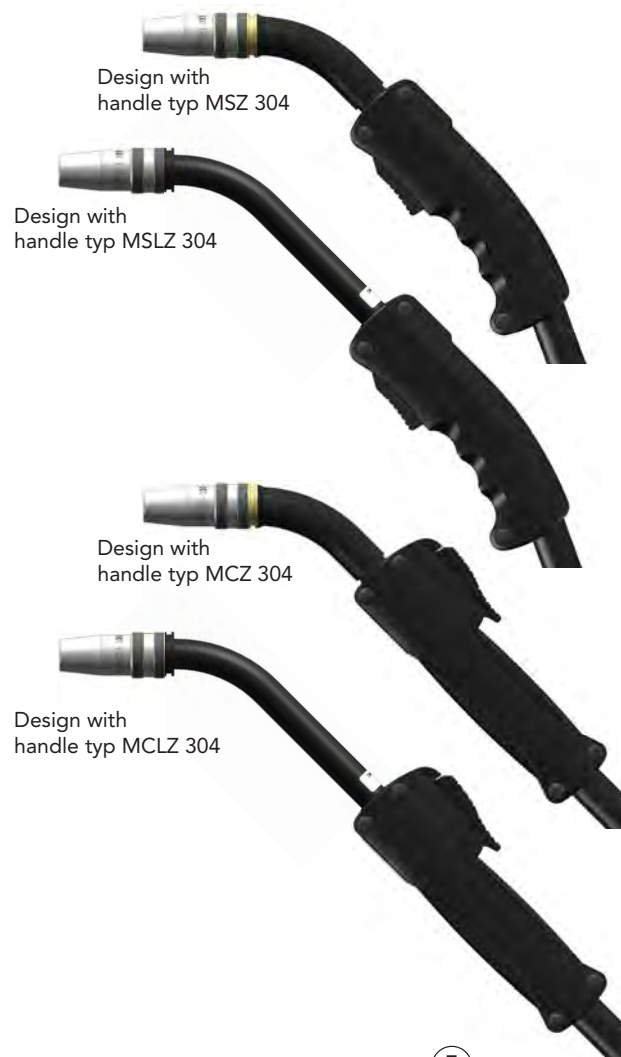
Application

- ▶ Non- and low alloyed steels
- ▶ High alloyed steels
- ▶ Copper alloys for the MSG brazing
- ▶ Aluminum-, magnesium- and nickel alloys

Technical data (DIN EN 60 974-7):

Dual-circuit liquid cooled

CO ₂ :	duty cycle 500A/60%
Mixed gas:	450A/60%
Wire diameter:	0.8 - 1.6 mm

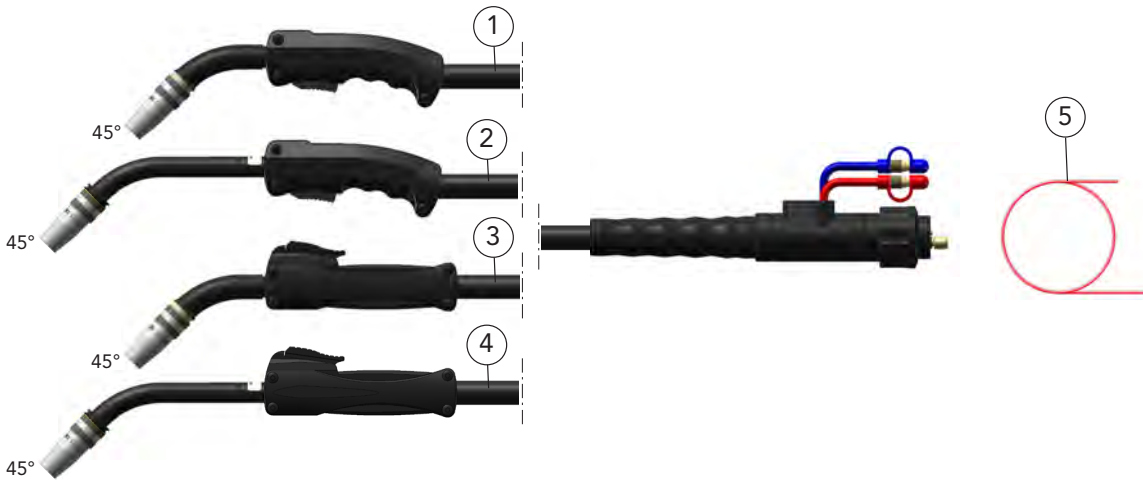


Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MSZ 304-3	620314330
Torch set	4.00 m	DIX MSZ 304-4	620314340
2 Torch set	3.00 m	DIX MSLZ 304-3	620314430
Torch set	4.00 m	DIX MSLZ 304-4	620314440
3 Torch set	3.00 m	DIX MCZ 304-3	620334330
Torch set	4.00 m	DIX MCZ 304-4	620334340
4 Torch set	3.00 m	DIX MCLZ 304-3	620334007
Torch set	4.00 m	DIX MCLZ 304-4	620334010
5 Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.

BLACKline Torch sets liquid-cooled DIX MSZ/MCZ/MSLZ/MCLZ 304 SAZ (N) up to 500A



Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MSZ 304-3 SAZ	620314331
Torch set	4.00 m	DIX MSZ 304-4 SAZ	620314341
2 Torch set	3.00 m	DIX MSLZ 304-3 SAZ	620314431
Torch set	4.00 m	DIX MSLZ 304-4 SAZ	620314441
3 Torch set	3.00 m	DIX MCZ 304-3 SAZ	620334331
Torch set	4.00 m	DIX MCZ 304-4 SAZ	620334341
4 Torch set	3.00 m	DIX MCLZ 304-3 SAZ	620334004
Torch set	4.00 m	DIX MCLZ 304-4 SAZ	620334001
5 Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.

● You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.



Description	Dimension	Part name	Part number
6 Torch set	3.00 m	DIX MSZ 304-3 N	620314334
Torch set	4.00 m	DIX MSZ 304-4 N	620314344
7 Torch set	3.00 m	DIX MSLZ 304-3 N	620314434
Torch set	4.00 m	DIX MSLZ 304-4 N	620314444
8 Torch set	3.00 m	DIX MCZ 304-3 N	620334334
Torch set	4.00 m	DIX MCZ 304-4 N	620334344
9 Torch set	3.00 m	DIX MCLZ 304-3 N	620334011
Torch set	4.00 m	DIX MCLZ 304-4 N	620334012
10 Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



BLACKline Torch sets liquid-cooled DIX MNFZ 304 (SAZ)(N) up to 500A

Properties

- ▶ Flexible supply hose
- ▶ Bend protection at the plug view
- ▶ Recall of the stored working points or welding programs directly at the welding gun
- ▶ Retrofit of various control modules for individual welding applications possible
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gas reduction by laminare gas flow and design of the gas diffuser
- ▶ No gas loss due to separate shield gas feed

Application

- ▶ Non- and low alloyed steels
- ▶ High alloyed steels
- ▶ Copper alloys for the MSG brazing
- ▶ Aluminum-, magnesium- and nickel alloys

Technical data (DIN EN 60 974-7):

Dual-circuit liquid cooled

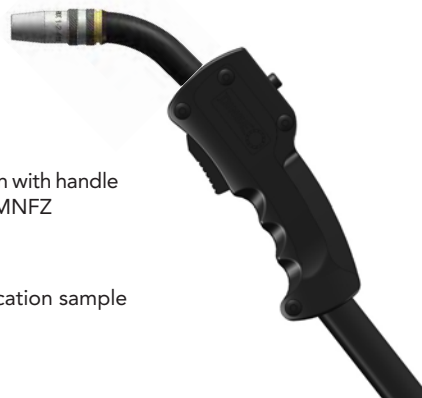
CO ₂ :	duty cycle 500A/60%
Mixed gas:	450A/60%
Wire diameter:	0.8 - 1.6 mm

45



Application sample

ON You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.



Design with handle type MNFZ

Application sample

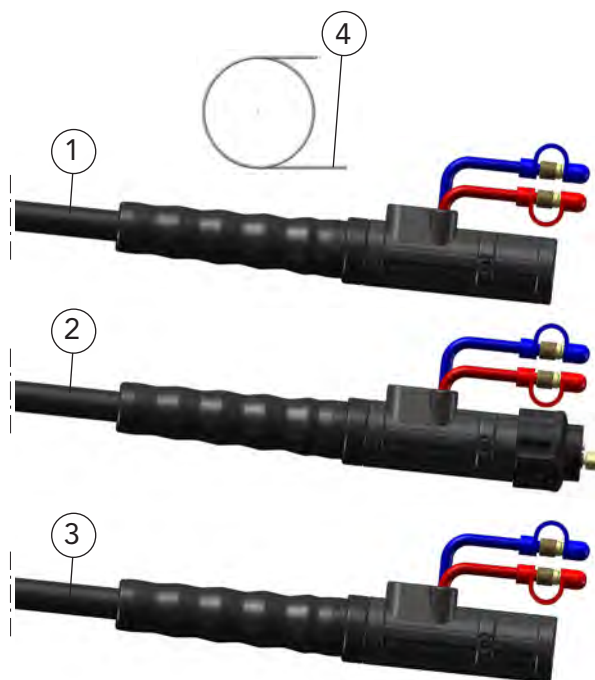
Hint:

Specify the cable plug and the pin assignment of the interface of the power source, when ordering a torch set.

Board



Application sample



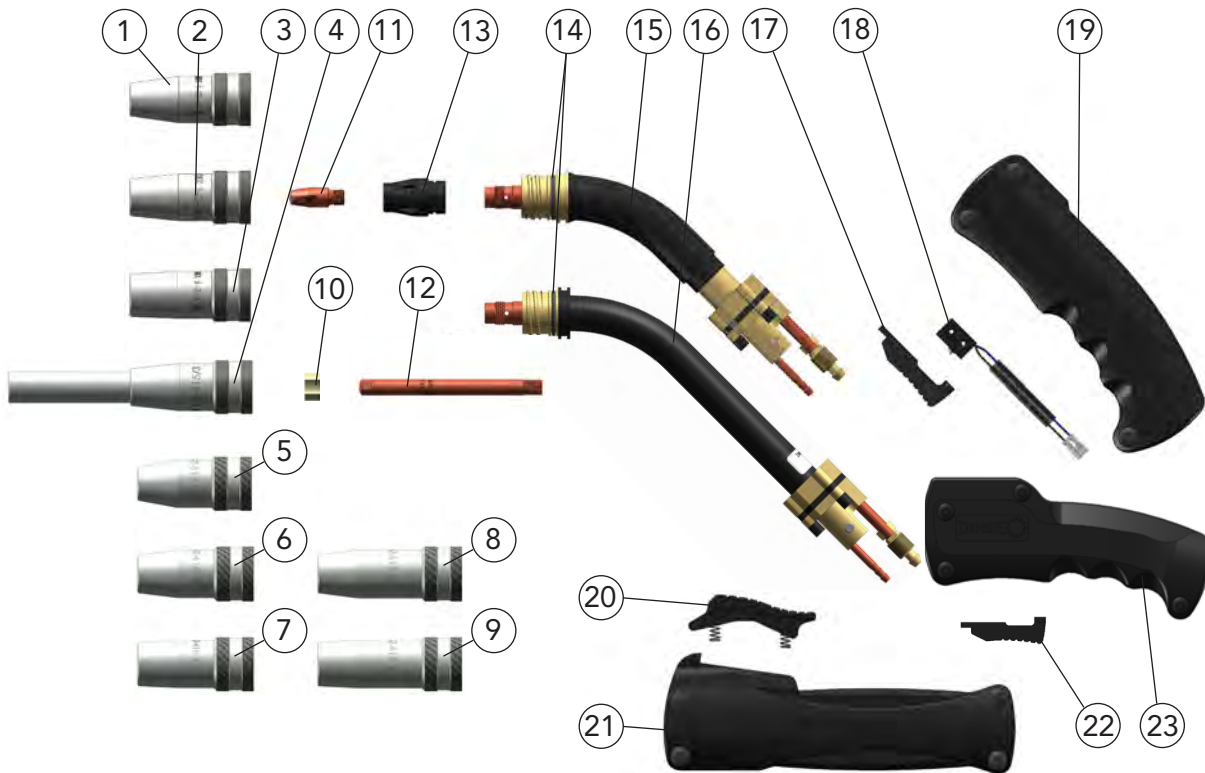
	Description	Dimension	Part name	Part number
1	Torch set	3.00 m	DIX MNFZ 304-3 / _ _ _	620684 _ _ _ 30
	Torch set	4.00 m	DIX MNFZ 304-4 / _ _ _	620684 _ _ _ 40
	Torch set	5.00 m	DIX MNFZ 304-5 / _ _ _	620684 _ _ _ 50
2	Torch set	3.00 m	DIX MNFZ 304-3 SAZ / _ _ _	620684 _ _ _ 31
	Torch set	4.00 m	DIX MNFZ 304-4 SAZ / _ _ _	620684 _ _ _ 41
	Torch set	5.00 m	DIX MNFZ 304-5 SAZ / _ _ _	620684 _ _ _ 51
3	Torch set	3.00 m	DIX MNFZ 304-3 N / _ _ _	620684 _ _ _ 34
	Torch set	4.00 m	DIX MNFZ 304-4 N / _ _ _	620684 _ _ _ 44
	Torch set	5.00 m	DIX MNFZ 304-5 N / _ _ _	620684 _ _ _ 54
4	Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
	Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345
	Liner	ø 2.2 mm/5.5 m	DIX DS 4/2.2-5.5	623000355

To configure the torch set, enter the appropriate board, the cable plug and the pin assignment of the interface of the power source.

Hint: Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories. Variants deviating of the standard fittings on request.



BLACKline Torch sets DIX MSZ/MCZ/MSLZ/MCLZ/MNFZ 304 (SAZ)(N)



Description	Dimension (mm)	Part name	Part number
1 Gas nozzle	∅ 13 x 62	DIX 1-2-413	629010413
2 Gas nozzle	∅ 15 x 62	DIX 1-2-415	629010415
3 Gas nozzle	∅ 18 x 62	DIX 1-2-418	629010418
4 Narrow gap gas nozzle	∅ 15 x 124	DIX 1-2-415/3	6290104153
5 Gas nozzle	∅ 13 x 57	DIX 1-2-413 K	629010403
6 Gas nozzle	∅ 15 x 58	DIX 1-2-415 K	629010405
7 Gas nozzle	∅ 18 x 58	DIX 1-2-418 K	629010408
8 Gas nozzle	∅ 15 x 72	DIX 1-2-415 L	6290104152
9 Gas nozzle	∅ 18 x 72	DIX 1-2-418 L	6290104182
10 Centre star		DIX 3-2-STERN	P629039HM011
11 Contact tip	M8 x 28	DIX 3-2-__ M8	6290301__
Contact tip	M8 x 28	DIX 3-2-__ M8 CR-ZR	6290331__
12 Contact tip, for pos. 4	M8 x 93	DIX 3-2-__ M8/93	629039010__
13 Gas diffuser		DIX 10-2-304	629100324
14 O-Ring 19x2	(10 pcs.)		629061005
15 Torch neck	45°	DIX 6-2-304 Z 45°	629061340
16 Torch neck	45°	DIX 6-2-304 SLZ 45°	629061341
17 Trigger		DIX 9-2-304 S	629090304
18 Micro switch		DIX 8-2	629080000
19 Handle		DIX 7-2-304 S	629070314
20 Trigger		DIX 9-2-304 C	629090305
21 Handle		DIX 7-2-304 C	629070334
22 Trigger		DIX 9-2-304 S	629090304
23 Handle		DIX 7-2-304 NF	629070386

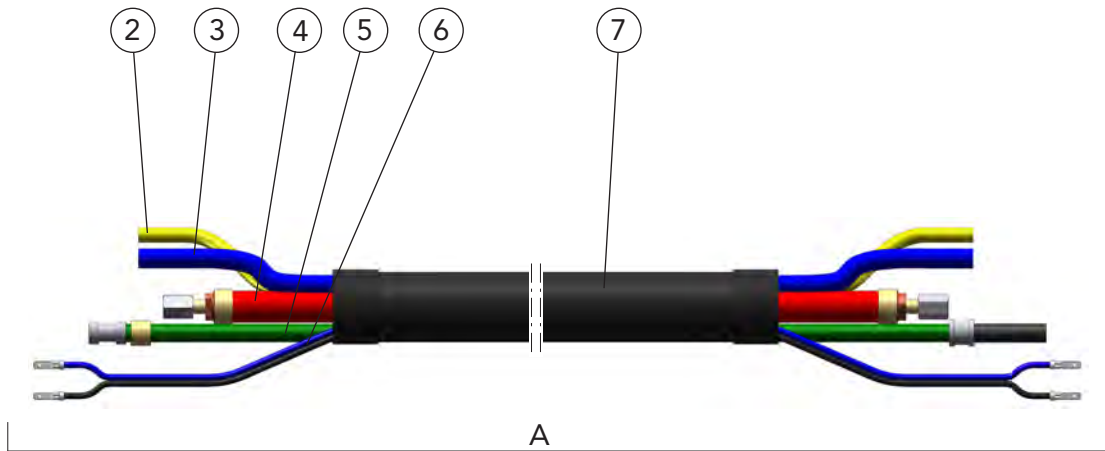
-- Enter the required wire diameter, e.g.: 10 = 1.0 mm oder 12 = 1.2 mm.

► Standard equipment for wire diameter 1.2 mm steel with gas nozzle DIX 1-2-415. contact tip DIX 3-2-1.2 M8 and liner DIX DS 4/2.2. Variants deviating of the standard fittings on request.



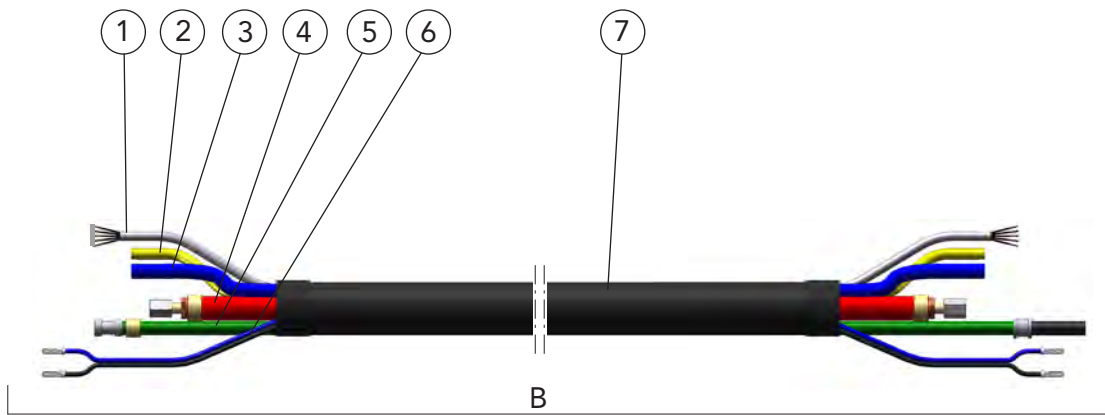
BLACKline orch sets DIX MSZ/MCZ/MSLZ/MCLZ/MNFZ 304 (SAZ)(N)
Supply hose

1



Torch - view

Plug - view



Torch - view

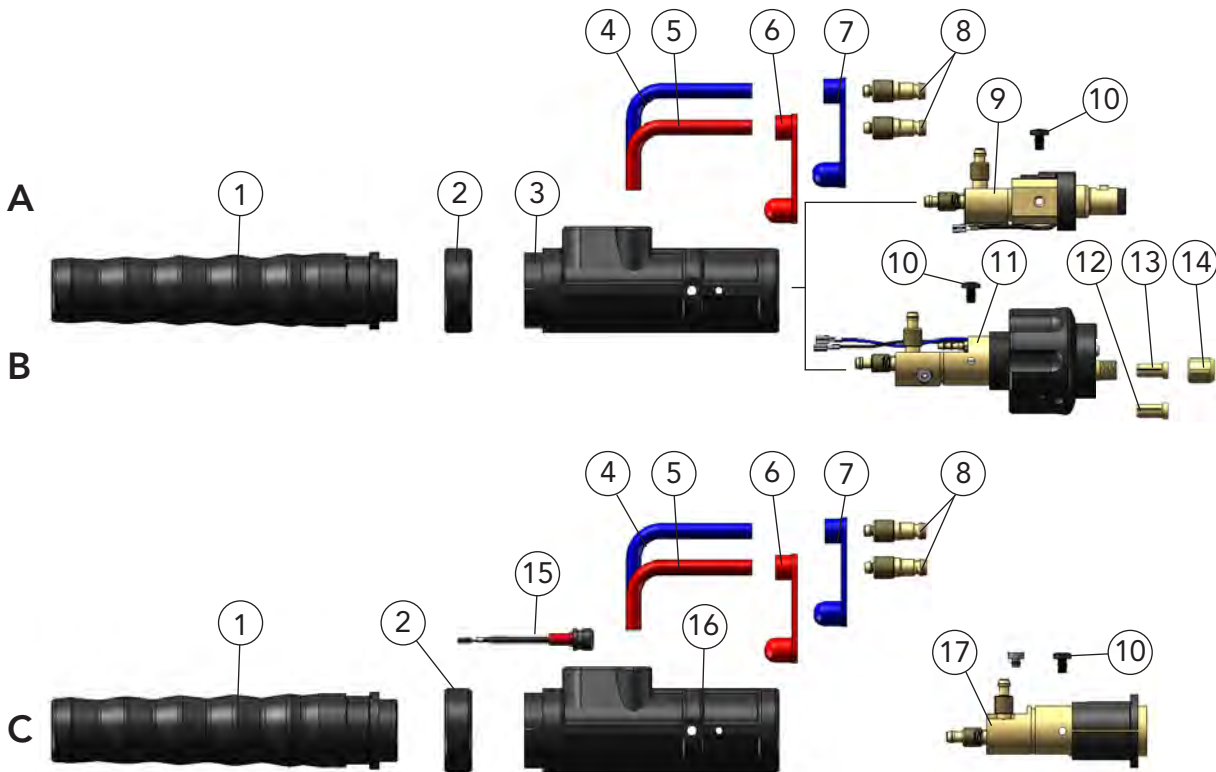
Plug - view

Description	Part name	Part number
A Supply hose	DIX VLMZ 300-__	6223003__
B Supply hose	DIX VLMFZ 300-__	6223800__
1 Control wire	DIX VLM 219-__	6292190__
2 Gas hose	DIX VL 180-__	639186001__
3 Water hose	DIX VL 190-__ BLAU	639196001__
4 Combi cable	DIX 22-2-303-__	62922133__
5 Conduit hose	DIX VLM 2010-__	6292016__
6 Control wire	DIX VLM 211-__	6292110__
7 Cover hose	DIX VLM 330-__	6292313__

-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m, 4.0 m and 5.0 m.



BLACKline Torch sets DIX MSZ/MCZ/MSLZ/MCLZ/MNFZ 304 (SAZ) (N)Plug



DINSE You need a Power Pin / Power Pin Set for the compact plug DIX KCZME 330 N (Pos. C). You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
A Plug		DIX KCZME 330 Z	624100330
B Plug		DIX KCZME 330 SAZ	624100331
C Plug		DIX KCZME 330 N	638900043
1 Plug sleeve		DIX ME 300 SM	629120000
2 Fixing ring		DIX 12-3-510 HR	6391250013
3 Plug housing		DIX 12-3-510 SG	6391250011
4 Connection hose, blue	0.60 m	DIX VL 170 BLAU	629171003
5 Connection hose, red	0.60 m	DIX VL 171 ROT	629171004
6 Cap, red		DIX VL 173	629172002
7 Cap, blue		DIX VL 172	629172001
8 Water plug	ø 5.0 mm	DIX 16-2	629160000
9 Plug insert		DIX ME 300 SEZ	639116064
10 Holding screw (10 pcs.)		DIX ME 300 HS	629070005
11 Plug insert		DIX ME 300 SAZ	639116061
12 Clamp sleeve, without block for capillary liner		DIX 27-2 MAP	629270041
13 Clamp sleeve, with block for liner		DIX 27-2 SA	629270040
14 Clamp nut		DIX 28-2 SA	629280040
15 Plug connector		DIX CS 600 SGN	6391250021
16 Plug housing		DIX ME 600 SGN	6391250020
17 Plug insert		DIX ME 600 N	639116076



BLACKline Torch sets liquid-cooled DIX MSZ/MCZ 305 up to 550A

Properties

- ▶ Optimal cooling of the gas nozzle through open cooling circuit
- ▶ Flexible supply hose
- ▶ Bend protection at the plug view
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gas reduction by laminar gas flow and design of the gas diffuser
- ▶ No gas loss due to separate shield gas feed

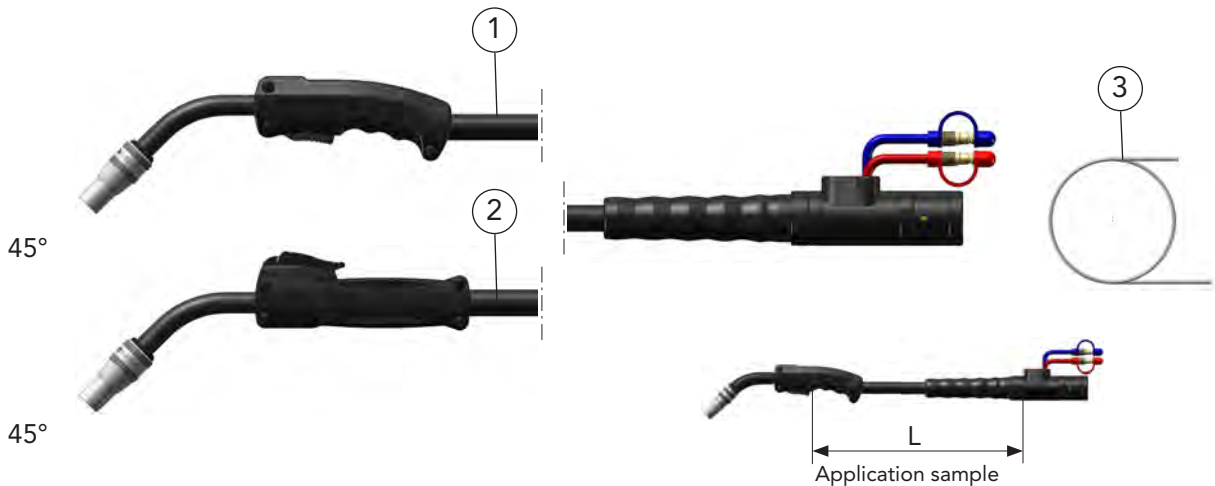
Application

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

Technical data (DIN EN 60 974-7):

Dual-circuit liquid cooled

CO ₂ :	duty cycle 550A/60%
Mixed gas:	500A/60%
Wire diameter:	1.2 - 2.0 mm



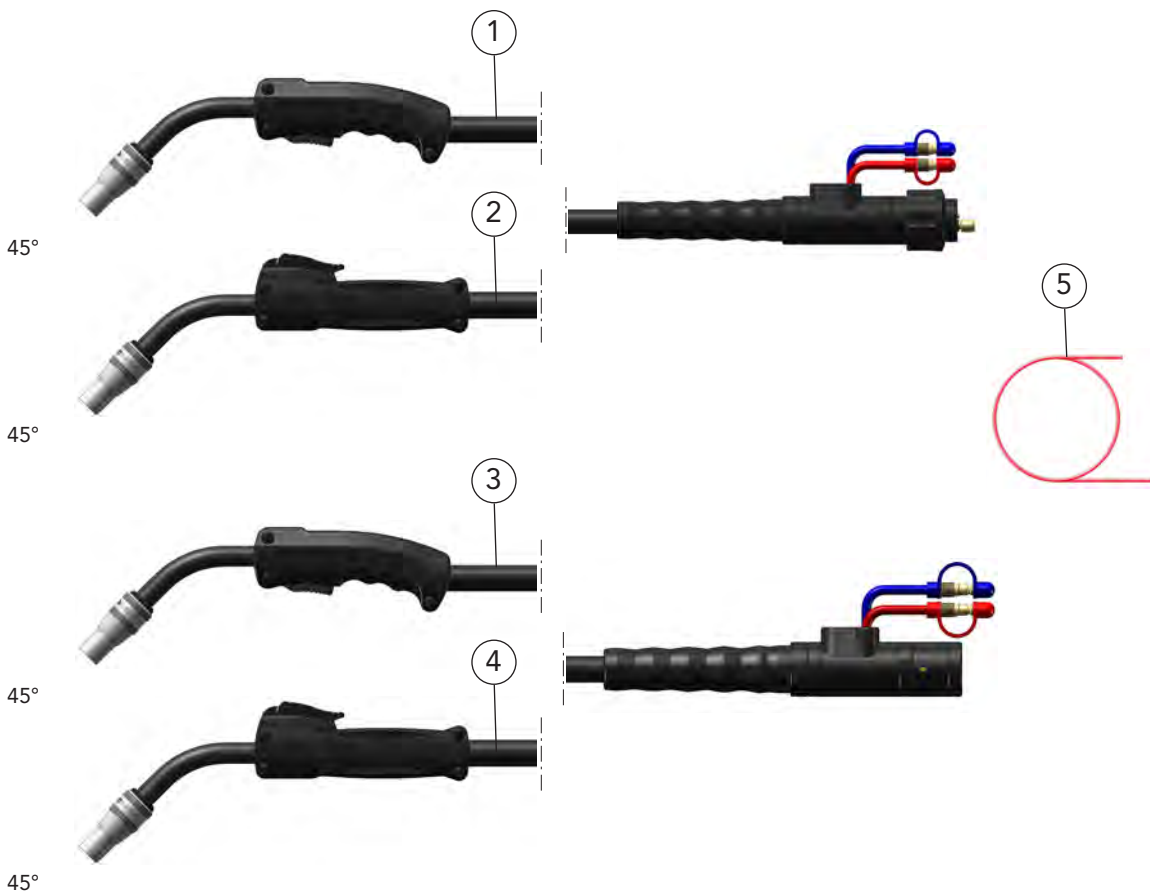
Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MSZ 305-3	620315330
Torch set	4.00 m	DIX MSZ 305-4	620315340
2 Torch set	3.00 m	DIX MCZ 305-3	620335330
Torch set	4.00 m	DIX MCZ 305-4	620335340
3 Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



BLACKline Torch sets liquid-cooled DIX MSZ/MCZ 305 SAZ (N) up to 550A



NOTE You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.



Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MSZ 305-3 SAZ	620315331
Torch set	4.00 m	DIX MSZ 305-4 SAZ	620315341
2 Torch set	3.00 m	DIX MCZ 305-3 SAZ	620335331
Torch set	4.00 m	DIX MCZ 305-4 SAZ	620335341
3 Torch set	3.00 m	DIX MSZ 305-3 N	620315334
Torch set	4.00 m	DIX MSZ 305-4 N	620315344
4 Torch set	3.00 m	DIX MCZ 305-3 N	620335334
Torch set	4.00 m	DIX MCZ 305-4 N	620335344
5 Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



BLACKline Torch sets liquid-cooled DIX MNFZ 305 (SAZ)(N) up to 550A

Properties

- ▶ High duty cycle due to improved cooling of the gas nozzle
- ▶ Flexible supply hose
- ▶ Bend protection at the plug view
- ▶ Recall of the stored working points or welding programs directly at the welding gun
- ▶ Retrofit of various control modules for individual welding applications possible
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gas reduction by laminar gas flow and design of the gas diffuser
- ▶ No gas loss due to separate shield gas feed

Application

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

Technical data (DIN EN 60 974-7):

Dual-circuit liquid cooled

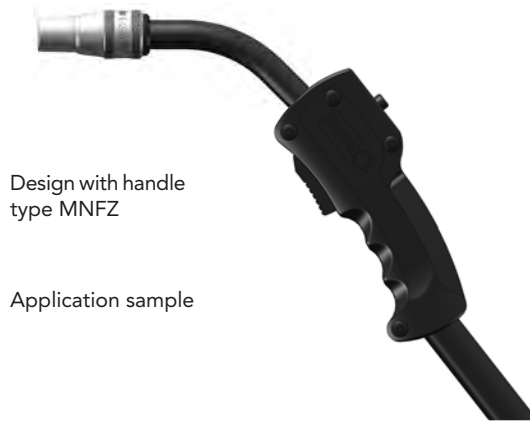
CO ₂ :	duty cycle 550A/60%
Mixed gas:	500A/60%
Wire diameter:	1.2 - 2.0 mm

45



Application sample

OPTION You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.



Design with handle type MNFZ

Application sample

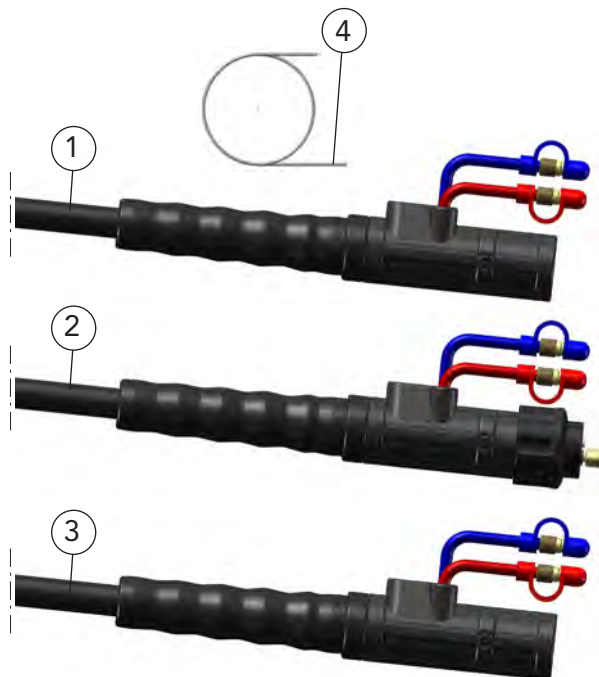
Hint:

Specify the cable plug and the pin assignment of the interface of the power source, when ordering a torch set..

Board



Application sample

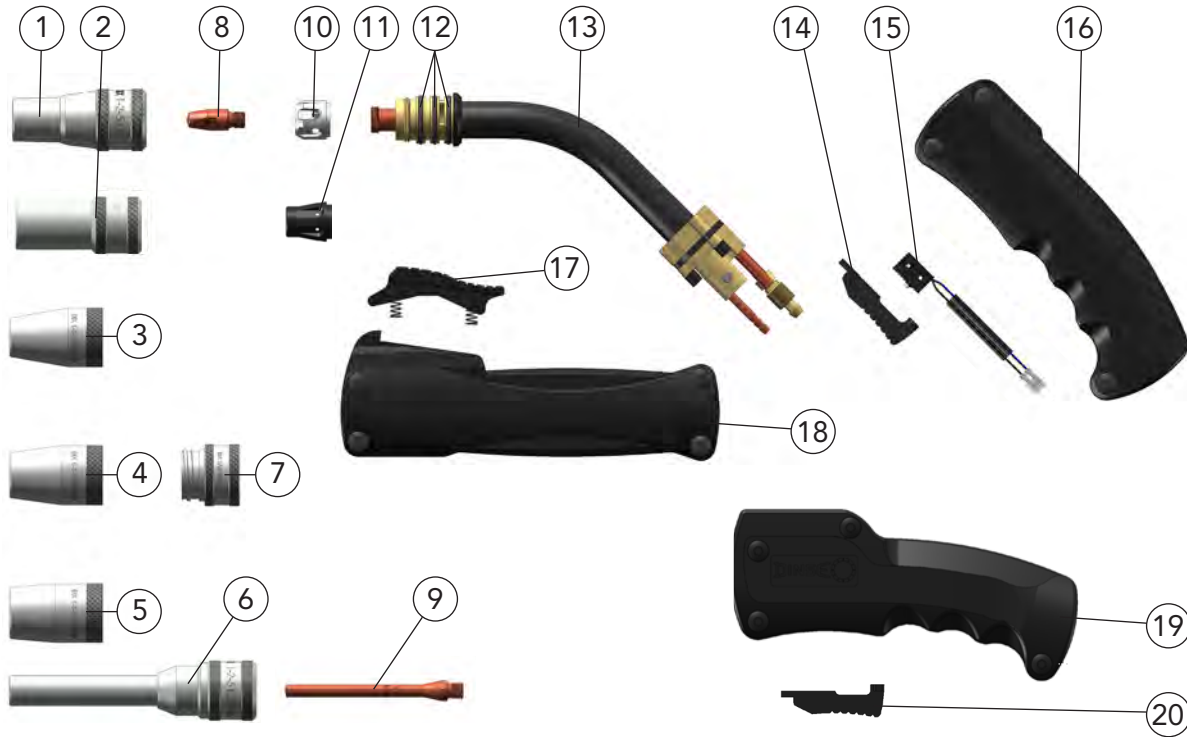


	Description	Dimension	Part name	Part number
1	Torch set	3.00 m	DIX MNFZ 305-3 / ___	620687___30
	Torch set	4.00 m	DIX MNFZ 305-4 / ___	620687___40
	Torch set	5.00 m	DIX MNFZ 305-5 / ___	620687___50
2	Torch set	3.00 m	DIX MNFZ 305-3 SAZ / ___	620687___31
	Torch set	4.00 m	DIX MNFZ 305-4 SAZ / ___	620687___41
	Torch set	5.00 m	DIX MNFZ 305-5 SAZ / ___	620687___51
3	Torch set	3.00 m	DIX MNFZ 305-3 N / ___	620687___34
	Torch set	4.00 m	DIX MNFZ 305-4 N / ___	620687___44
	Torch set	5.00 m	DIX MNFZ 305-5 N / ___	620687___55
4	Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
	Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345
	Liner	ø 2.2 mm/5.5 m	DIX DS 4/2.2-5.5	623000355

--- To configure the torch set, enter the appropriate board, the cable plug and the pin assignment of the interface of the power source.

Hint: Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories. Variants deviating of the standard fittings on request.

BLACKline Torch sets DIX MSZ/MCZ/MNFZ 305 (SAZ) (N)



Description	Dimension	Part name	Part number
1 Gas nozzle	∅ 17 mm	DIX 1-2-517	629010517
Gas nozzle, plug-in type	∅ 17 mm	DIX 1-2-517 OG	6290105171
2 Gas nozzle	∅ 21 mm	DIX 1-2-521	629010521
3 Gas nozzle, for pos. 7	∅ 15 mm	DIX 1-3-5715 SAD	6390257157
4 Gas nozzle, for pos. 7	∅ 18 mm	DIX 1-3-5718 SAD	6390257187
5 Gas nozzle, for pos. 7	∅ 21 mm	DIX 1-3-5721 SAD	6390257217
6 Narrow gap gas nozzle, plug-in type	∅ 15 x 125 mm	DIX 1-2-511/125 OG	6290191518
Narrow gap gas nozzle	∅ 15 x 125 mm	DIX 1-2-512/125	6290191528
7 Screw adapter		DIX SAD 5700	628145700
8 Contact tip	M8 x 28 mm	DIX 3-2-__ M8	6290301__
Contact tip	M8 x 28 mm	DIX 3-2-__ M8 CR-ZR	6290331__
9 Contact tip, for pos. 6	M8 x 90 mm	DIX 3-2-__ M8/90	6290337__2
10 Gas diffusor, ceramic		DIX 10-2- 305 K	6291003051
11 Gas diffusor		DIX 10-2-305	6291003052
12 O - Ring, 18x2 mm	(12 pcs.)		639060005
13 Torch neck	45°	DIX 6-2-305 Z	629061350
14 Trigger		DIX 9-2-304 S	629090304
15 Micro switch		DIX 8-2	629080000
16 Handle		DIX 7-2-304 S	629070314
17 Trigger		DIX 9-2-304 C	629090305
18 Handle		DIX 7-2-304 C	629070334
19 Handle		DIX 7-2-304 NF	629070386
20 Trigger		DIX 9-2-304 S	629090304

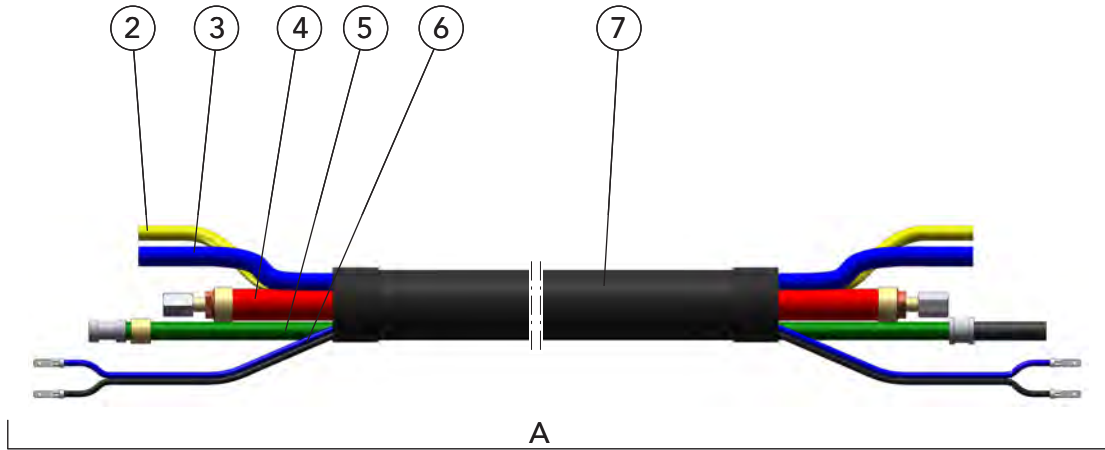
-- Enter the required wire diameter, e.g.: 12 = 1.2 mm, 16 = 1.6 mm or 20 = 2.0 mm.
Cooling jacket with screw adapter DIX SAD 5700 for direct liquid cooling for extreme cases of application.

► Standard equipment for wire diameter 1.2 mm steel with gas nozzle diameter 17 mm, gas nozzle DIX 1-2-517, contact tip DIX 3-2-1.2 M8, gas diffusor DIX 10-2-305 K, liner DIX DS 4/2.2.
Variants deviating of the standard fittings on request.



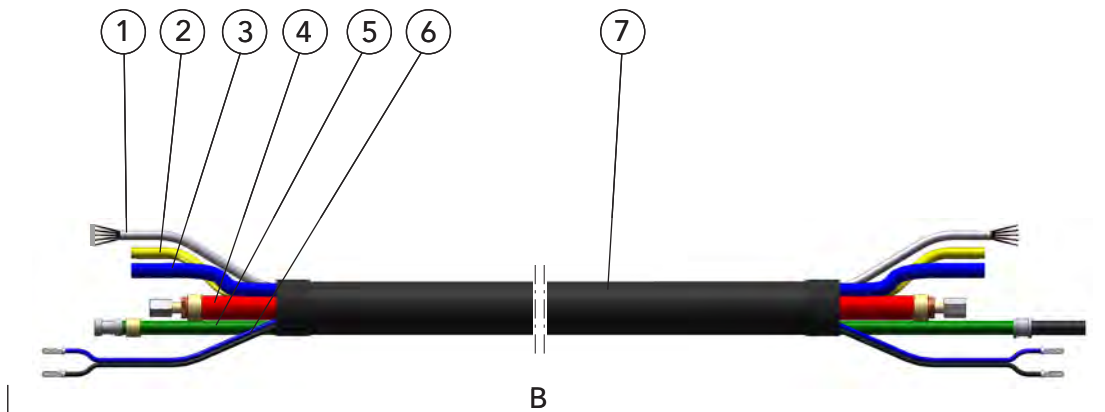
BLACKline Torch sets DIX MSZ/MCZ/MNFZ 305 (SAZ) (N) Supply hose

1



Torch - view

Plug - view



Torch - view

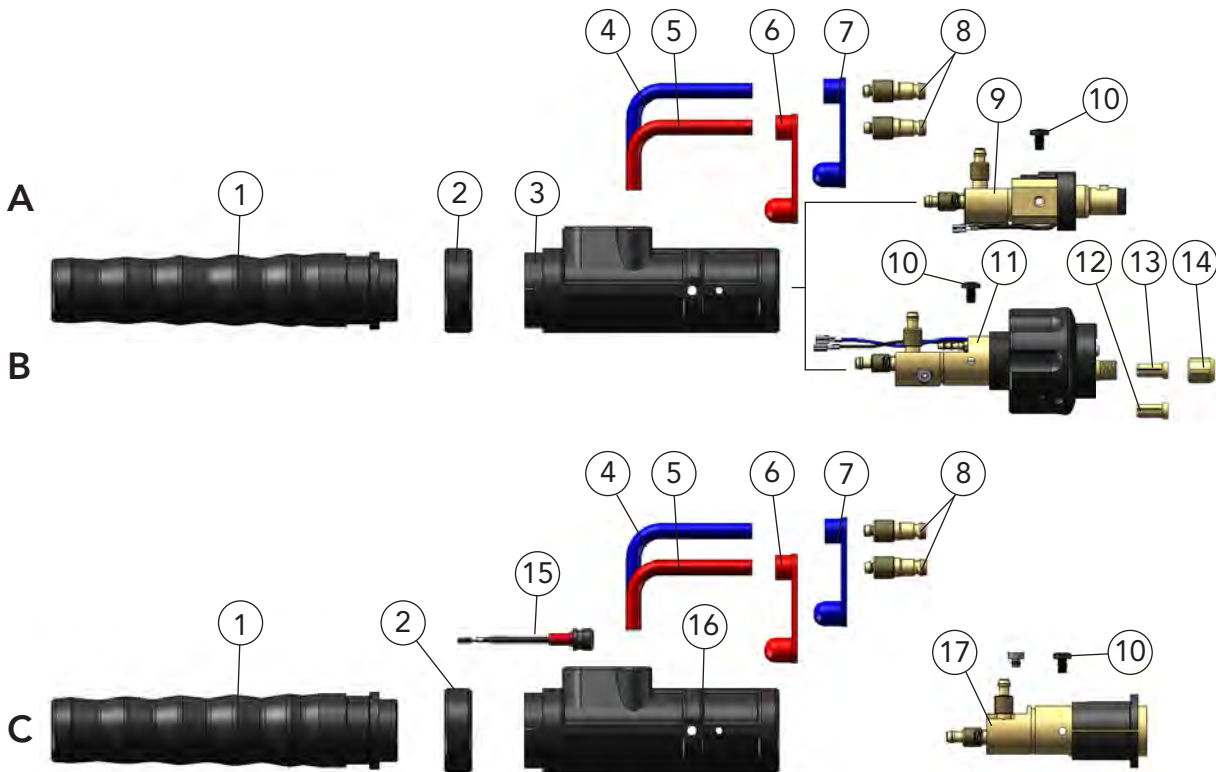
Plug - view

Description	Part name	Part number
A Supply hose	DIX VLMZ 300-__	6223003__
B Supply hose	DIX VLMFZ 300-__	6223800__
1 Control wire	DIX VLM 219-__	6292190__
2 Gas hose	DIX VL 180-__	639186001__
3 Water hose	DIX VL 190-__ BLAU	639196001__
4 Combi cable	DIX 22-2-303-__	62922133__
5 Conduit hose	DIX VLM 2010-__	6292016__
6 Control wire	DIX VLM 211-__	6292110__
7 Cover hose	DIX VLM 330-__	6292313__

-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m, 4.0 m and 5.0 m.



BLACKline Torch sets DIX MSZ/MCZ/MNFZ 305 (SAZ) (N) Plug



DINSE You need a Power Pin / Power Pin Set for the compact plug DIX KCZME 330 N (Pos. C). You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
A Plug		DIX KCZME 330 Z	624100330
B Plug		DIX KCZME 330 SAZ	624100331
C Plug		DIX KCZME 330 N	638900043
1 Plug sleeve		DIX ME 300 SM	629120000
2 Fixing ring		DIX 12-3-510 HR	6391250013
3 Plug housing		DIX 12-3-510 SG	6391250011
4 Connection hose, blue	0.60 m	DIX VL 170 BLAU	629171003
5 Connection hose, red	0.60 m	DIX VL 171 ROT	629171004
6 Cap, red		DIX VL 173	629172002
7 Cap, blue		DIX VL 172	629172001
8 Water plug	ø 5.0 mm	DIX 16-2	629160000
9 Plug insert		DIX ME 300 SEZ	639116064
10 Holding screw (10 pcs.)		DIX ME 300 HS	629070005
11 Plug insert		DIX ME 300 SAZ	639116061
12 Clamp sleeve, without block for capillary liner		DIX 27-2 MAP	629270041
13 Clamp sleeve, with block for liner		DIX 27-2 SA	629270040
14 Clamp nut		DIX 28-2 SA	629280040
15 Plug connector		DIX CS 600 SGN	6391250021
16 Plug housing		DIX ME 600 SGN	6391250020
17 Plug insert		DIX ME 600 N	639116076



BLACKline Torch sets liquid-cooled DIX MSZ/MCZ 306 up to 550A

Properties

- ▶ Flexible supply hose
- ▶ Bend protection at the plug view
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gas reduction by laminar gas flow and design of the tip adapter
- ▶ No gas loss due to separate shield gas feed



Design with handle typ MSZ



Design with handle typ MCZ



Design with handle type MSZ push-button on top and cooling jacket with gas nozzle



Gas nozzle with cooling jacket DIX KM 100 (Accessories for BLACKline torch sets)

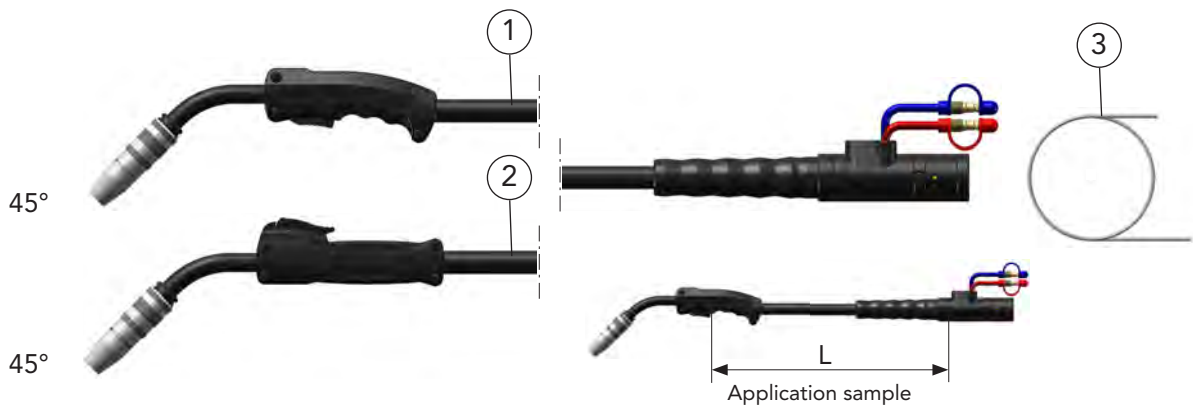
Application

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

Technical data (DIN EN 60 974-7):

Dual-circuit liquid cooled

CO ₂ :	duty cycle 550A/60%
Mixed gas:	500A/60%
Wire diameter:	1.2 - 2.0 mm



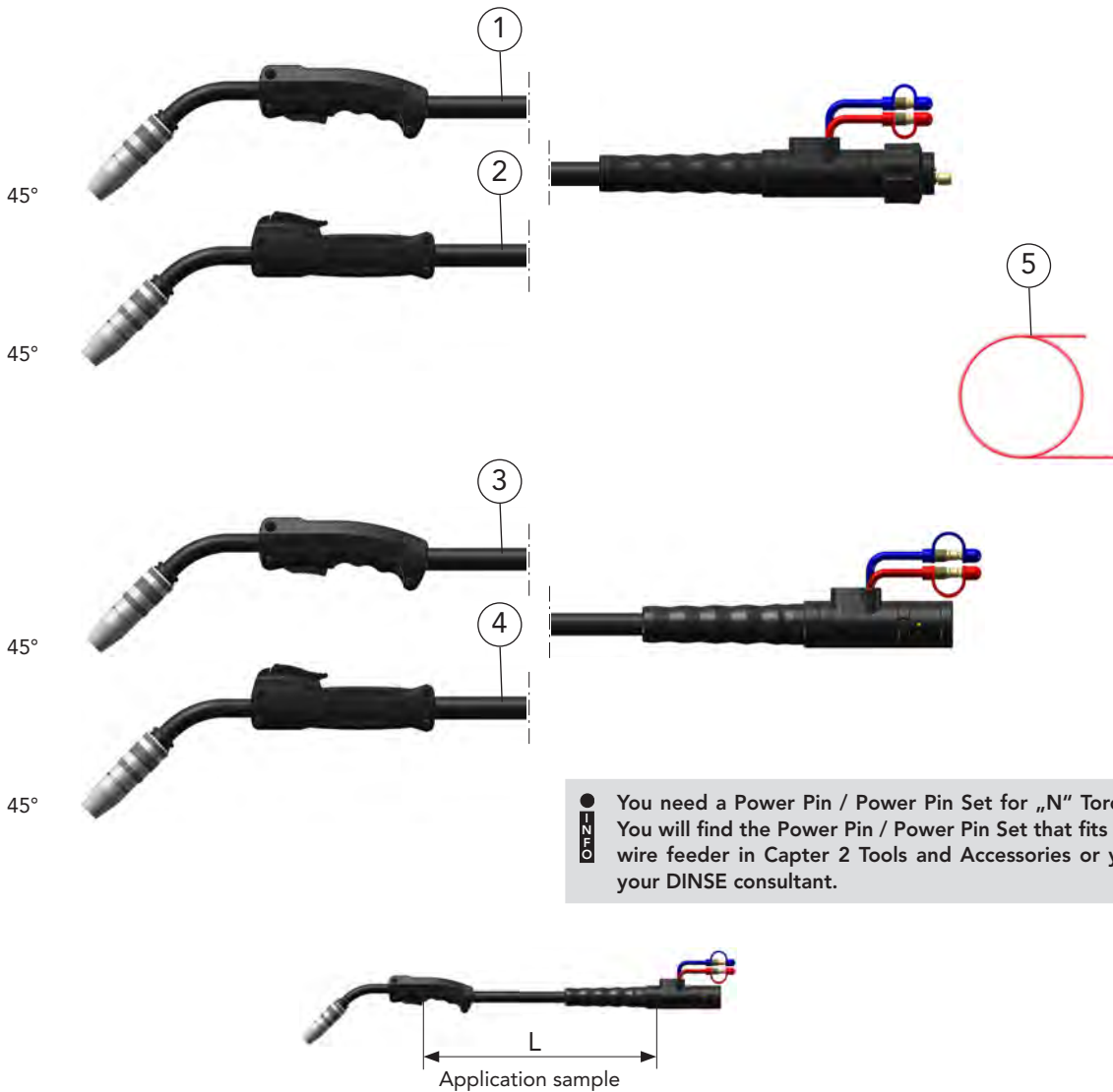
Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MSZ 306-3	620316330
Torch set	4.00 m	DIX MSZ 306-4	620316340
2 Torch set	3.00 m	DIX MCZ 306-3	620336330
Torch set	4.00 m	DIX MCZ 306-4	620336340
3 Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



BLACKline Torch sets liquid-cooled DIX MSZ/MCZ 306 SAZ (N) up to 550A



● You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MSZ 306-3 SAZ	620316331
Torch set	4.00 m	DIX MSZ 306-4 SAZ	620316341
2 Torch set	3.00 m	DIX MCZ 306-3 SAZ	620336331
Torch set	4.00 m	DIX MCZ 306-4 SAZ	620336341
3 Torch set	3.00 m	DIX MSZ 306-3 N	620316334
Torch set	4.00 m	DIX MSZ 306-4 N	620316011
4 Torch set	3.00 m	DIX MCZ 306-3 N	620336334
Torch set	4.00 m	DIX MCZ 306-4 N	620336344
5 Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345

Hint:
Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



BLACKline Torch sets liquid-cooled DIX MNFZ 306 up to 550A

Properties

- ▶ Flexible supply hose
- ▶ Bend protection at the plug view
- ▶ Recall of the stored working points or welding programs directly at the welding gun
- ▶ Retrofit of various control modules for individual welding applications possible
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gas reduction by laminar gas flow and design of the tip adapter
- ▶ No gas loss due to separate shield gas feed

Application

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

Technical data (DIN EN 60 974-7):

Dual-circuit liquid cooled

CO₂: duty cycle
550A/60%

Mixed gas: 500A/60%

Wire diameter: 1.2 - 2.0 mm



45

Application sample



Design with handle type MNFZ

Application sample

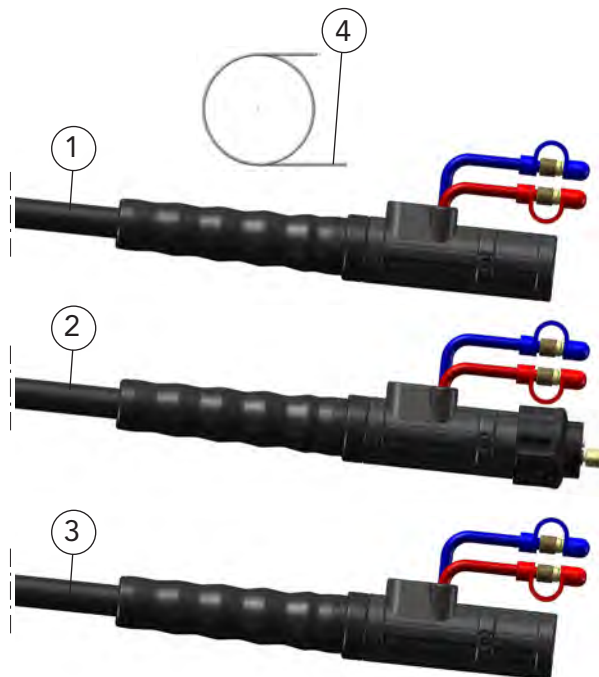
Hint:

Specify the cable plug and the pin assignment of the interface of the power source, when ordering a torch set.

Board



Application sample



INFO You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

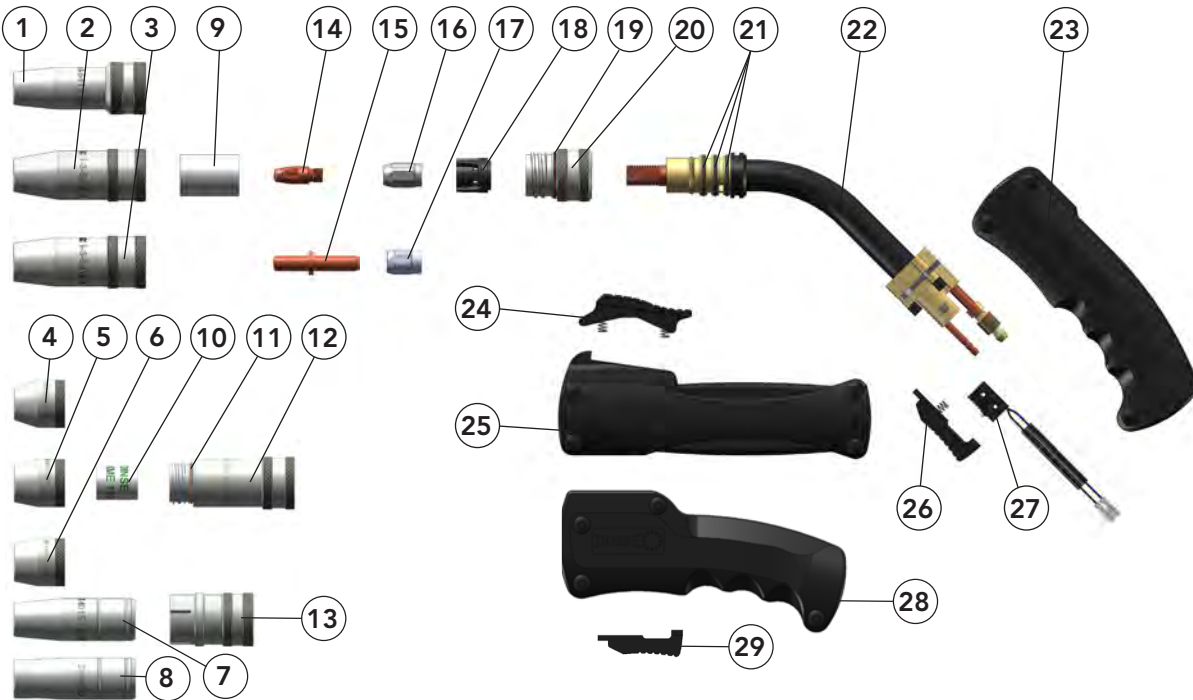
	Description	Dimension	Part name	Part number
1	Torch set	3.00 m	DIX MNFZ 306-3 / _ _ _	620686 _ _ _ 30
	Torch set	4.00 m	DIX MNFZ 306-4 / _ _ _	620686 _ _ _ 40
	Torch set	5.00 m	DIX MNFZ 306-5 / _ _ _	620686 _ _ _ 50
2	Torch set	3.00 m	DIX MNFZ 306-3 SAZ / _ _ _	620686 _ _ _ 31
	Torch set	4.00 m	DIX MNFZ 306-4 SAZ / _ _ _	620686 _ _ _ 41
	Torch set	5.00 m	DIX MNFZ 306-5 SAZ / _ _ _	620686 _ _ _ 51
3	Torch set	3,00 m	DIX MNFZ 306-3 N / _ _ _	620686 _ _ _ 34
	Torch set	4.00 m	DIX MNFZ 306-4 N / _ _ _	620686 _ _ _ 44
	Torch set	5.00 m	DIX MNFZ 306-5 N / _ _ _	620686 _ _ _ 55
4	Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
	Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345
	Liner	ø 2.2 mm/5.5 m	DIX DS 4/2.2-5.5	623000355

To configure the torch set, enter the appropriate board, the cable plug and the pin assignment of the interface of the power source.

Hint: Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories. Variants deviating of the standard fittings on request.



BLACKline Torch sets DIX MSZ/MCZ/MNFZ 306 (SAZ) (N)



Description	Dimension	Part name	Part number
1 Gas nozzle, outside diameter reduced	∅ 15 mm	DIX 1-3-5415 AR	6390154155
2 Gas nozzle	∅ 15 mm	DIX 1-3-5415 A	6390154150
3 Gas nozzle	∅ 18 mm	DIX 1-3-5418 A	6390154180
4 Gas nozzle, for pos. 12	∅ 15 mm	DIX KMG 115 TR	628040315
5 Gas nozzle, for pos. 12	∅ 18 mm	DIX KMG 118 TR	628040318
6 Gas nozzle, for pos. 12	∅ 21 mm	DIX KMG 121 TR	628040321
7 Gas nozzle, pluggable, for Pos. 13	∅ 15 mm	DIX 1-2-4015	629010015
8 Gas nozzle, pluggable, for Pos. 13	∅ 18 mm	DIX 1-2-4018	629010018
9 Insulator, for pos. 2 and 3		DIX 2-3-500	6390250000
10 Insulator, Cooling jacket, only for Pos. 12		DIX KME 110	628040303
11 O-Ring, 23x1,5 VITON	(10 pcs.)		629110904
12 Cooling jacket, complete with O-Ring		DIX KM 100	628040301
13 Clamp sleeve, for Pos. 7+8		DIX KAD 4040	629051400
14 Contact tip	M8 x 28 mm	DIX 3-2-__ M8	6290301__
Contact tip	M8 x 28 mm	DIX 3-2-__ M8 CR-ZR	6290331__
15 Contact tip	∅ 8 x 45 mm	DIX 3-2-__ SR	6290354__
16 Tip adapter	M8	DIX GS 2-M8	628150008
17 Clamp nut		DIX 4-2-MAS	6390454000
18 Gas diffuser		DIX 10-3-540	6391054000
19 O-Ring, 23x1.5 VITON	(10 pcs.)		629110904
20 Screw adapter		DIX SAD 2-404/540	628140000
21 O-Ring 18x2	(12 pcs.)		639060005
22 Torch neck	45°	DIX 6-2-306 Z	629061360
23 Handle		DIX 7-2-304 S	629070314
24 Trigger		DIX 9-2-304 C	629090305
25 Handle		DIX 7-2-304 C	629070334
26 Trigger		DIX 9-2-304 S	629090304
27 Micro switch		DIX 8-2	629080000
28 Handle		DIX 7-2-304 NF	629070386
29 Trigger		DIX 9-2-304 S	629090304

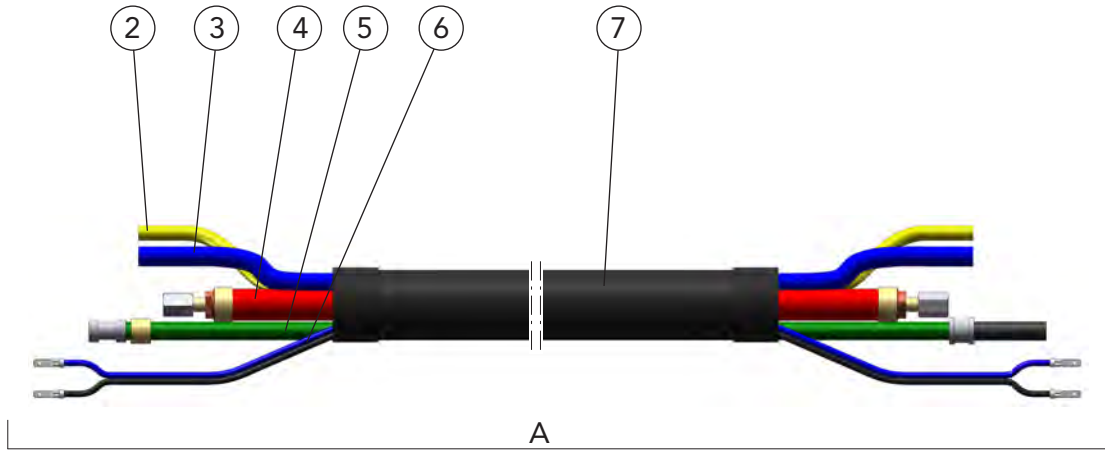
-- Enter the required wire diameter, e.g.: 12 = 1.2 mm or 16 = 1.6 mm.

► Standard equipment for wire diameter 1.2 mm steel, gas nozzle DIX 1-3-5418 A with screw adapter DIX SAD 2-404/540, contact tip DIX 3-2-1.2 M8, tip adapter DIX GS 2-M8, liner DIX DS 4/2.2. Cooling jacket with direct liquid cooling for extreme cases of application. Variants deviating of the standard fittings on request.



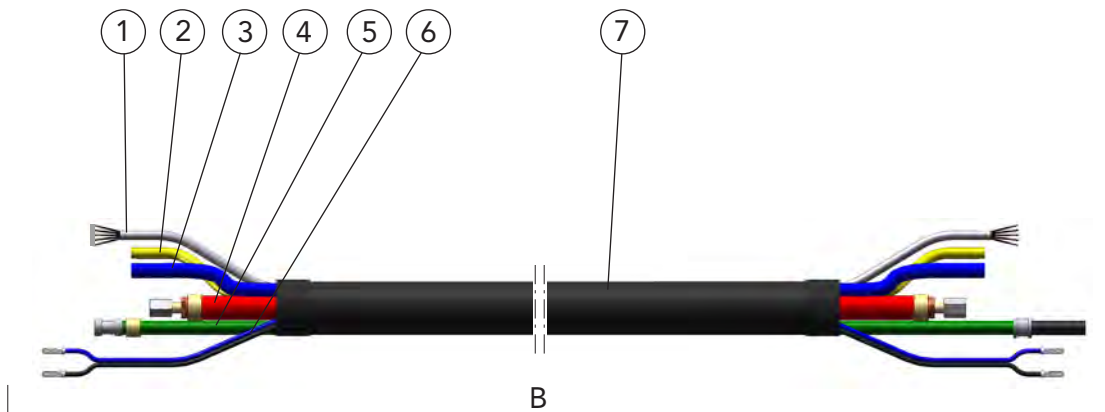
BLACKline Torch sets DIX MSZ/MCZ/MNFZ 306 (SAZ) (N) Supply hose

1



Torch - view

Plug - view



Torch - view

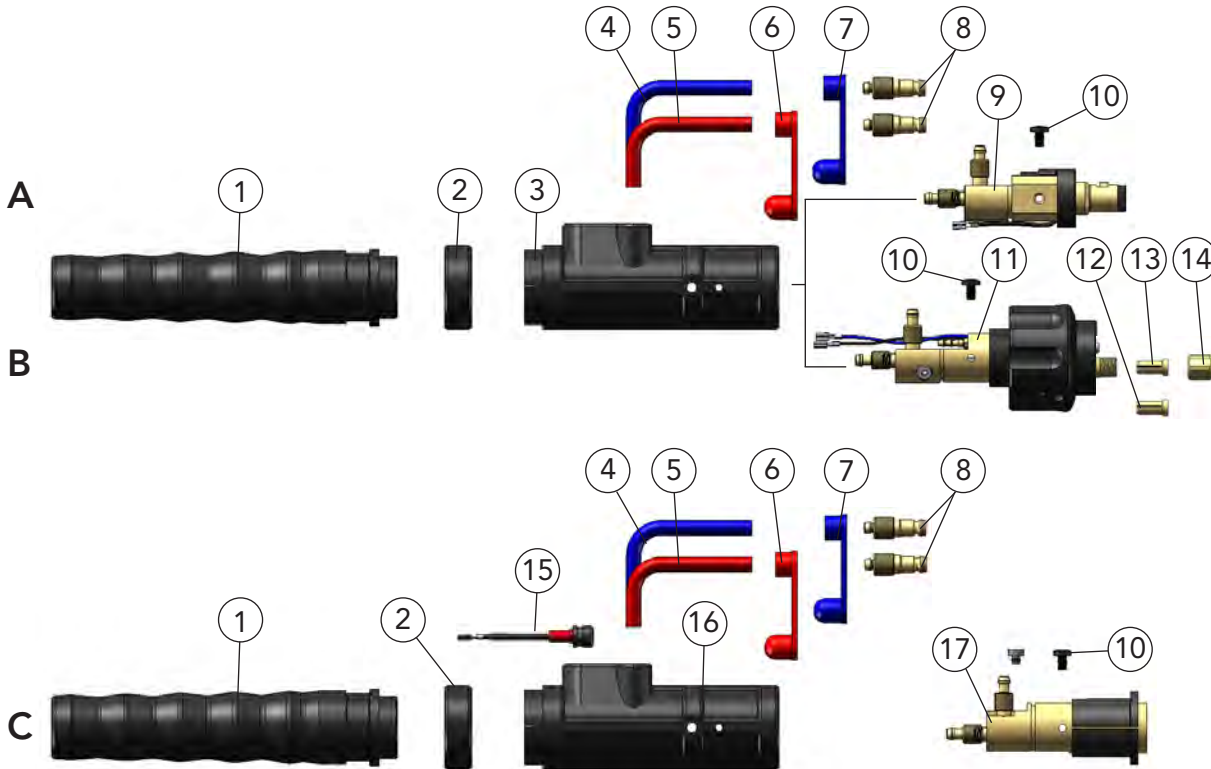
Plug - view

Description	Part name	Part number
A Supply hose	DIX VLMZ 300-__	6223003__
B Supply hose	DIX VLMFZ 300-__	6223800__
1 Control wire	DIX VLM 219-__	6292190__
2 Gas hose	DIX VL 180-__	639186001__
3 Water hose	DIX VL 190-__ BLAU	639196001__
4 Combi cable	DIX 22-2-303-__	62922133__
5 Conduit hose	DIX VLM 2010-__	6292016__
6 Control wire	DIX VLM 211-__	6292110__
7 Cover hose	DIX VLM 330-__	6292313__

-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m, 4.0 m and 5.0 m.



BLACKline Torch sets DIX MSZ/MCZ/MNFZ 306 (SAZ) (N) Plug



● You need a Power Pin / Power Pin Set for the compact plug DIX KCZME 330 N (Pos. C). You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
A Plug		DIX KCZME 330 Z	624100330
B Plug		DIX KCZME 330 SAZ	624100331
C Plug		DIX KCZME 330 N	638900043
1 Plug sleeve		DIX ME 300 SM	629120000
2 Fixing ring		DIX 12-3-510 HR	6391250013
3 Plug housing		DIX 12-3-510 SG	6391250011
4 Connection hose, blue	0.60 m	DIX VL 170 BLAU	629171003
5 Connection hose, red	0.60 m	DIX VL 171 ROT	629171004
6 Cap, red		DIX VL 173	629172002
7 Cap, blue		DIX VL 172	629172001
8 Water plug	ø 5.0 mm	DIX 16-2	629160000
9 Plug insert		DIX ME 300 SEZ	639116064
10 Holding screw (10 pcs.)		DIX ME 300 HS	629070005
11 Plug insert		DIX ME 300 SAZ	639116061
12 Clamp sleeve, without block for capillary liner		DIX 27-2 MAP	629270041
13 Clamp sleeve, with block for liner		DIX 27-2 SA	629270040
14 Clamp nut		DIX 28-2 SA	629280040
15 Plug connector		DIX CS 600 SGN	6391250021
16 Plug housing		DIX ME 600 SGN	6391250020
17 Plug insert		DIX ME 600 N	639116076



BLACKline Torch sets liquid-cooled DIX MPZ 304 PUSH-PULL up to 500A

Properties

- ▶ Flexible supply hose
- ▶ Bend protection at the plug and torch view
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gas reduction by laminare gas flow and design of the gas diffuser
- ▶ No gas loss due to separate shield gas feed
- ▶ Exact wire feeding by integrated powerful DINSE wire feeder
- ▶ Integrated remote control



Integrated wire feeder and remote control, without drive rolls



To transport over long distances

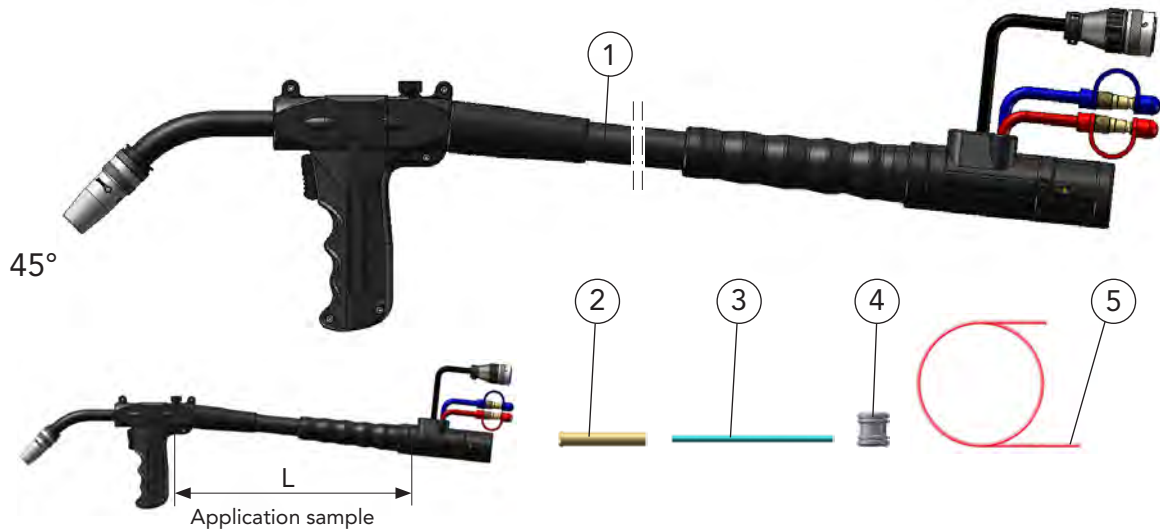
Applications

- ▶ Non- and low alloyed steels
- ▶ High alloyed steels
- ▶ Copper alloys for the MSG brazing
- ▶ Aluminum-, magnesium- and nickel alloys

Technical data (DIN EN 60 974-7):

Dual-circuit liquid cooled

CO ₂ :	duty cycle 500A/60%
Mixed gas:	450A/60%
Wire diameter:	0.8 - 1.6 mm



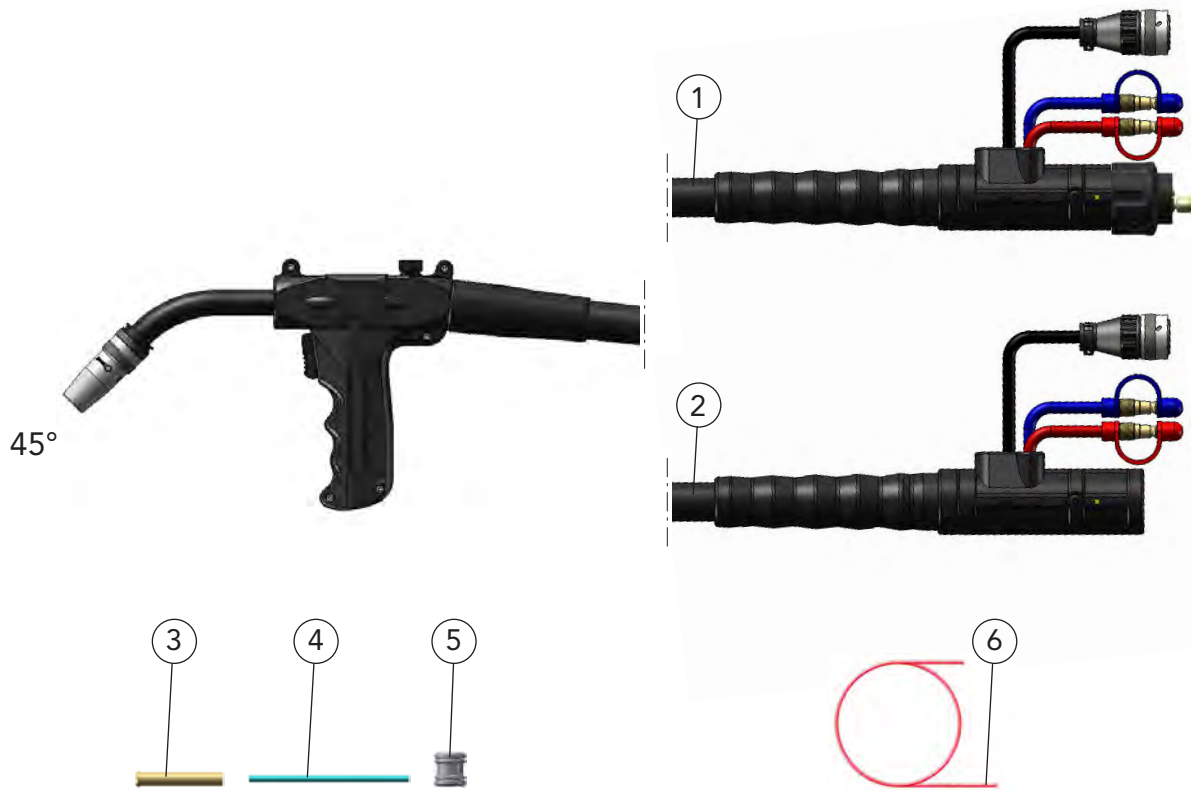
Description	Dimension	Part name	Part number
1 Torch set	4.00 m	DIX MPZ 304-4	6203714440
Torch set	8.00 m	DIX MPZ 304-8	6203714480
With integrated wire feeder and remote control, without drive roll			
2 Distance sleeve		DIX DSH 300	628100001
3 Capillary liner	ø 2.2 mm/0.3 m	DIX DSK 2-0.3	623002003
4 Drive roll	ø 1.2 mm A	DIX 32-2-1.2/1.2 A	629324120
5 Capillary liner	ø 2.9 m/4.5 m	DIX DSK 3-4.5	623002545
Capillary liner	ø 2.9 m/8.5 m	DIX DSK 3-8.5	623002585

Hint:

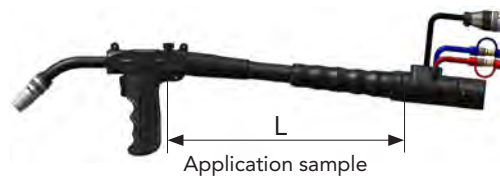
Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories. In Chapter 4 System Components you will find the suitable PUSH-PULL control.



BLACKline Torch sets liquid-cooled DIX MPZ 304 SAZ (N) PUSH-PULL up to 500A



DINSE You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.



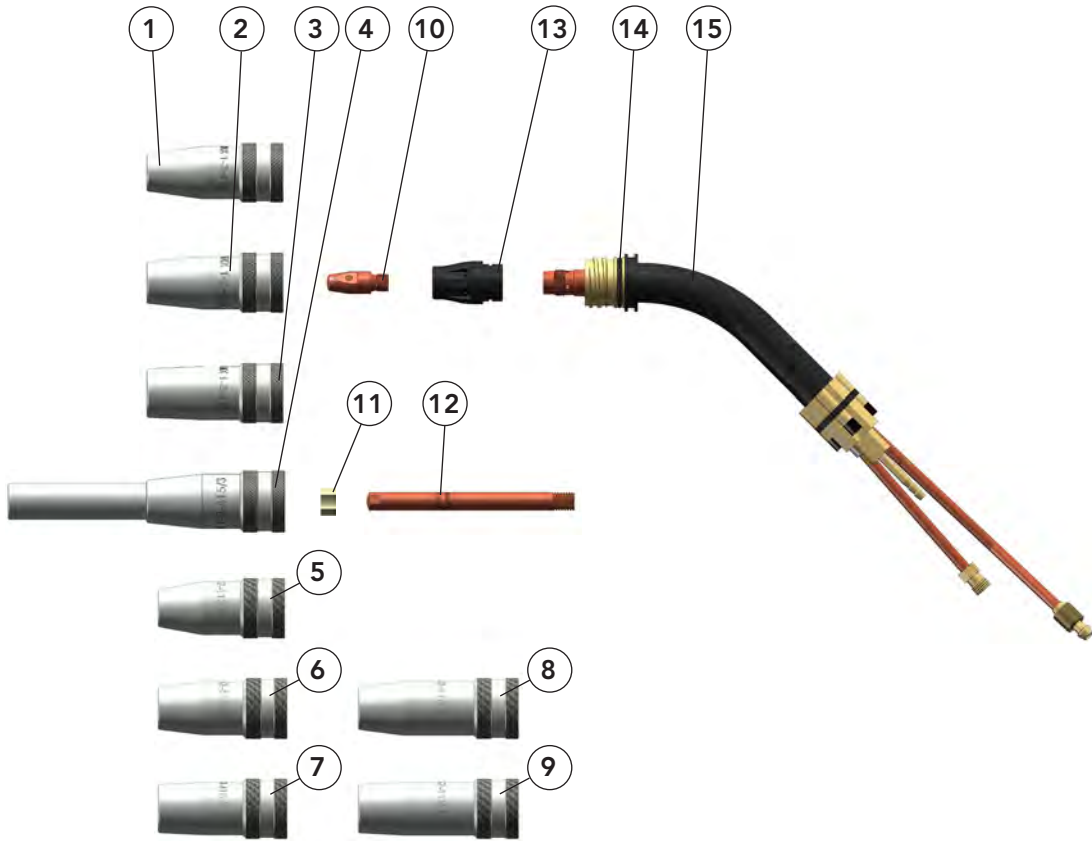
Description	Dimension	Part name	Part number
1 Torch set	4.00 m	DIX MPZ 304-4 SAZ /45°	6203714441
Torch set	8.00 m	DIX MPZ 304-8 SAZ /45°	6203714481
2 Torch set	4.00 m	DIX MPZ 304-4 N /45°	6203714448
Torch set	8.00 m	DIX MPZ 304-8 N /45°	6203714488
With integrated wire feeder and remote control, without drive roll			
3 Distance sleeve		DIX DSH 300	628100001
4 Capillary liner	ø 2.2 mm/0.3 m	DIX DSK 2-0,3	623002003
5 Drive roll	ø 1.2 mm A	DIX 32-2-1.2/1.2 A	629324120
6 Capillary liner	ø 2.9 m/4.5 m	DIX DSK 3-4.5	623002545
Capillary liner	ø 2.9 m/8.5 m	DIX DSK 3-8.5	623002585

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories. In Chapter 4 System Components you will find the suitable PUSH-PULL control.



Torch type DIX MPZ 304 (SAZ) (N) PUSH-PULL



Description	Dimension (mm)	Part name	Part number
1 Gas nozzle	ø 13 x 62	DIX 1-2-413	629010413
2 Gas nozzle	ø 15 x 62	DIX 1-2-415	629010415
3 Gas nozzle	ø 18 x 62	DIX 1-2-418	629010418
4 Narrow gap gas nozzle	ø 15 x 124	DIX 1-2-415/3	6290104153
5 Gas nozzle	ø 13 x 57	DIX 1-2-413 K	629010403
6 Gas nozzle	ø 15 x 58	DIX 1-2-415 K	629010405
7 Gas nozzle	ø 18 x 58	DIX 1-2-418 K	629010408
8 Gas nozzle	ø 15 x 72	DIX 1-2-415 L	6290104152
9 Gas nozzle	ø 18 x 72	DIX 1-2-418 L	6290104182
10 Contact tip	M8 x 28	DIX 3-2-__ M8	6290301__
Contact tip	M8 x 28	DIX 3-2-__ M8 CR-ZR	6290331__
11 Centre star, for pos. 12		DIX 3-2-STERN	P629039HM011
12 Contact tip, for pos. 4	M8 x 93	DIX 3-2-__ M8/93	629039010__
13 Gas diffuser		DIX 10-2-304	629100324
14 O-Ring 19x2	(10 pcs.)		629061005
15 Torch neck	45°	DIX 6-2-304 PLZ 45°	6290614714

-- Enter the required wire diameter, e.g.: 10 = 1.0 mm, 12 = 1.2 mm or 16 = 1.6 mm.

► Standard equipment for wire diameter 1.2 mm aluminum alloy with gas nozzle DIX 1-2-415, contact tip DIX 3-2-1.2 M8. Variants deviating of the standard fittings on request.



BLACKline Torch sets DIX MPZ 304 (SAZ) (N) PUSH-PULL



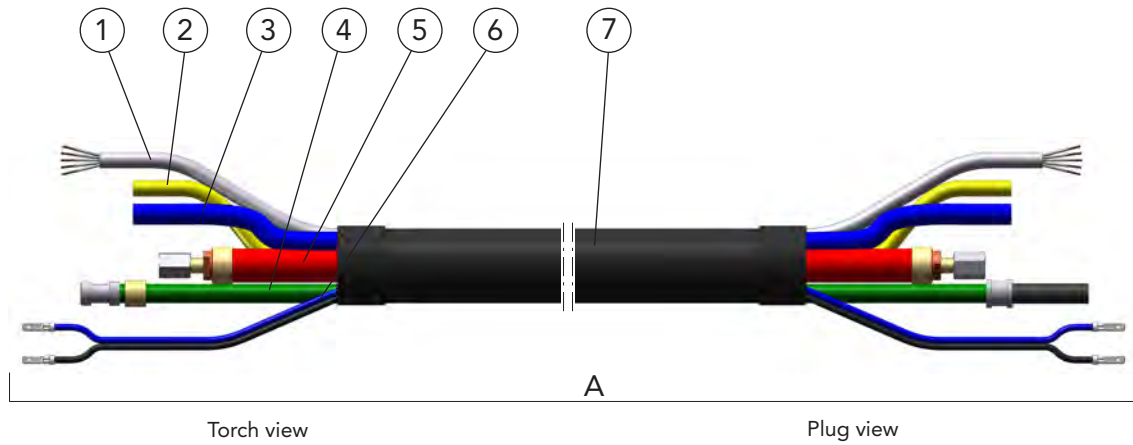
Description	Part name	Part number
1 Clamp sleeve	DIX SH 270	629270270
2 Connection block	DIX 35-1	619350000
3 Pressure roll	DIX 31-1	619310000
4 Stirrup lock	DIX 34-1	619340000
5 Drive roll for steel	DIX 32-2-._/_._	629323_._0
Drive roll for aluminum alloy	DIX 32-2-._/_._ A	629324_._0
6 Supply hose connection	DIX 36-2-304 PZ	6293617070
7 Handle	DIX 7-2-300 P	629070370
8 Cover	DIX 33-2-300	629330300
9 Potentiometer	DIX 39-1 10Ω ROT	619390010
10 Rubber cover	DIX 37-2	629370000
11 Gear motor	DIX 38-2 P	629380001
12 Trigger	DIX 9-1-200 P	619090270
13 Micro switch	DIX 8-2 R	629080004

._ Enter the required wire diameter, e.g.: 10 = 1.0 mm, 12 = 1.2 mm or 16 = 1.6 mm.



BLACKline Torch sets DIX MPZ 304 (SAZ) (N) PUSH-PULL Supply hose

1

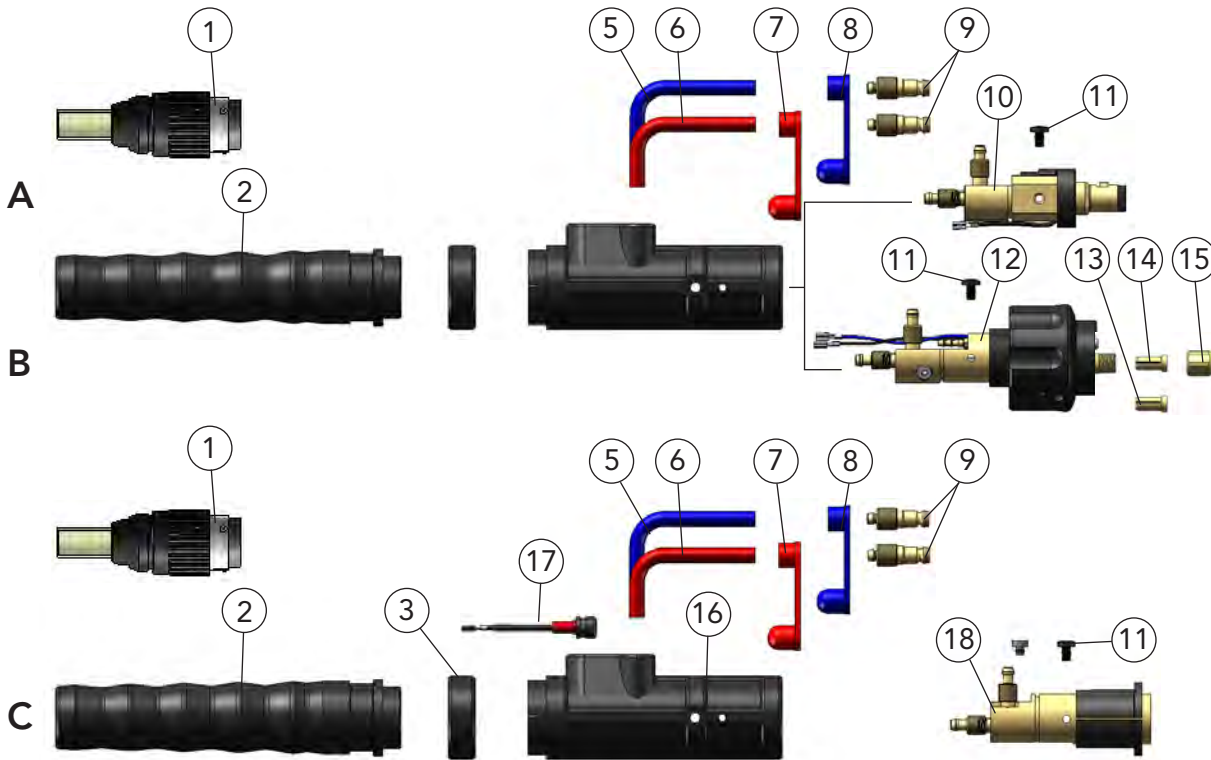


Description	Part name	Part number
A Supply hose	DIX VLMPZ 300-__	6223703__
1 Control wire, 5 pins	DIX 42-2-__	6294200__
2 Gas hose	DIX VL 180-__	639186001__
3 Water hose	DIX VL 190-__ BLAU	639196001__
4 Conduit hose	DIX VLM 2010-__	6292016__
5 Combi cable	DIX 22-2-303-__	6292213__
6 Control wire	DIX VLM 211-__	6292110__
7 Cover hose	DIX 23-2-404-__	6292304__

-- Enter the required length of the welding torch set, e.g.: 40 = 4.0 m or 80 = 8.0 m.
Standard lengths: 4.0 m and 8.0 m.



BLACKline Torch sets DIX MPZ 304 (SAZ) (N) PUSH-PULL Plug



OPTIONAL You need a Power Pin / Power Pin Set for the compact plug DIX KCZMEP 330 N (Pos. C). You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
A Plug		DIX KCZMEP 330	624170330
B Plug		DIX KCZMEP 330 SAZ	624170331
C Plug		DIX KCZMEP 330 N	624170332
1 Cable plug (Other cable plugs on request.)		DIX 41-2-TUCHEL 5P	629410000
2 Plug sleeve		DIX ME 300 SM	629120000
3 Fixing ring		DIX 12-3-510 HR	6391250013
4 Plug housing		DIX 12-3-510 SG	6391250011
5 Connection hose, blue	0.60 m	DIX VL 170 BLAU	629171003
6 Connection hose, red	0.60 m	DIX VL 171 ROT	629171004
7 Cap, red		DIX VL 173	629172002
8 Cap, blue		DIX VL 172	629172001
9 Water plug	ø 5.0 mm	DIX 16-2	629160000
10 Plug insert		DIX ME 300 SEZ	639116064
11 Holding screw (10 pcs.)		DIX ME 300 HS	629070005
12 Plug insert		DIX ME 300 SAZ	639116061
13 Clamp sleeve, without block for capillary liner		DIX 27-2 MAP	629270041
14 Clamp sleeve, with block for liner		DIX 27-2 SA	629270040
15 Clamp nut		DIX 28-2 SA	629280040
16 Plug housing		DIX ME 600 SGN	6391250020
17 Plug connector		DIX CS 600 SGN	6391250021
18 Plug insert		DIX ME 600 N	639116076



BLACKline PUSH-PULL System liquid-cooled DIX MPZ 600 (SAZ) (N) for BLACKline Torch sets

Technical benefits

- ▶ MIG/MAG torch set changeable according to the application
- ▶ Flexible supply hose
- ▶ Reliable processing of soft and kink sensitive wires
- ▶ Parameters directly settable at the housing of the Push-Pull unit
- ▶ Weight shift by wearing the push-pull unit on a belt or fixed by external holder
- ▶ No gas loss due to separate shield gas feed into the torch set
- ▶ Exact wire feeding by integrated powerful DINSE wire feeder
- ▶ Integrated remote control

Application

- ▶ Non- and low alloyed steels
- ▶ High alloyed steels
- ▶ Copper alloys for the MSG brazing
- ▶ Aluminum-, magnesium- and nickel alloys

Technical data (DIN EN 60 974-7):

Depending on the torch type of the MIG/MAG torch set

BLACKline Torch sets:

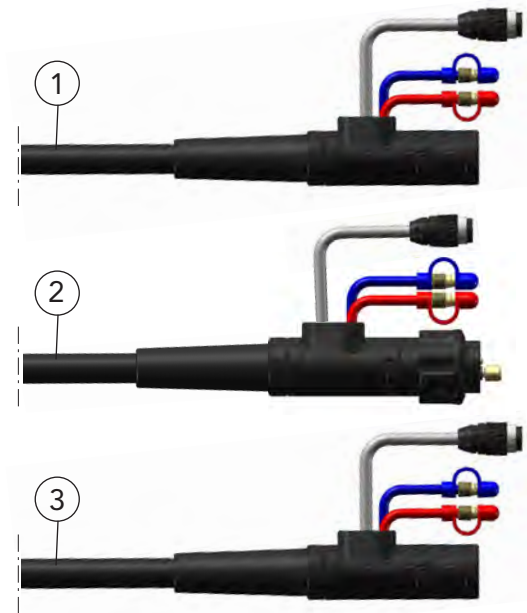
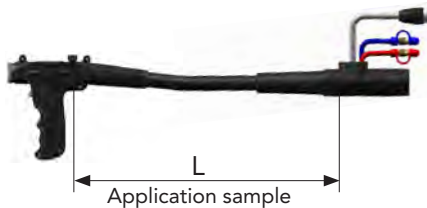
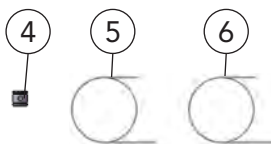
DIX MSZ	330/304/305	SATZ
DIX MGZ	330	SATZ
DIX MCZ	330/304/305	SATZ



Push-Pull torch sets DIX MPZ 600-8



Push-Pull system complete, holder optionally for Push-Pull unit



INFO You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
1 Torch set	8.00 m	DIX MPZ 600-8 /10kOhm	620371090
2 Torch set	8.00 m	DIX MPZ 600-8 SAZ/10kOhm	620371088
3 Torch set	8.00 m	DIX MPZ 600-8 N/10kOhm	620371096
With integrated wire feeder and remote control, without drive roll			
4 Drive roll	ø 1.0 mm	DIX 32-2-1.0/1.0	629323100
Drive roll	ø 1.2 mm	DIX 32-2-1.2/1.2	629323120
Drive roll	ø 1.2 mm A	DIX 32-2-1.2/1.2 A	629324120
Drive roll	ø 1.6 mm A	DIX 32-2-1.6/1.6 A	629324160
5 Liner	ø 2.4 mm / 8.5 m	DIX DS 4/2.4-8.5	623000485
6 Liner	ø 2.9 mm / 8.5 m	DIX DSK 3-8.5	623002585

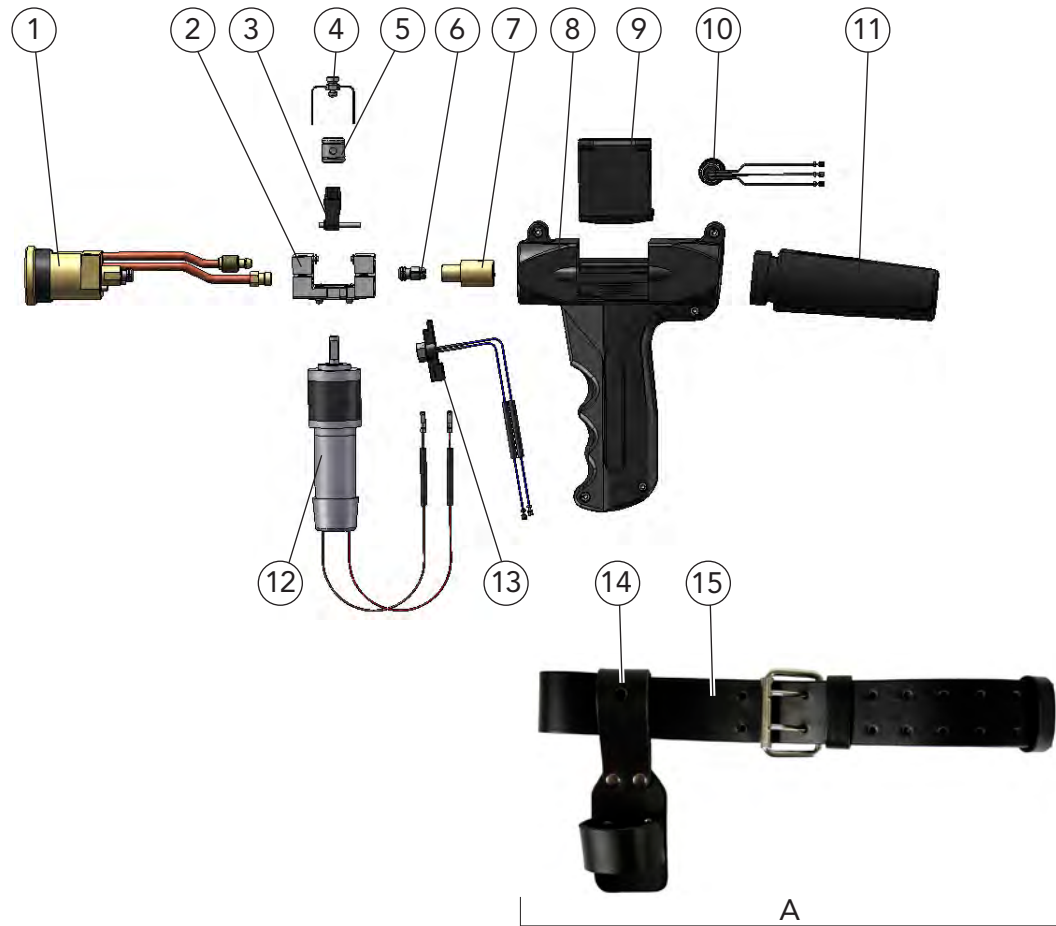
Hint: Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories. In Chapter 4 System Components you will find the suitable PUSH-PULL control.

- ▶ Variants deviating of the standard fittings on request.



BLACKline PUSH-PULL System DIX MPZ 600 (SAZ) (N)

For BLACKline Torch sets



Description	Part name	Part number
1 Connection body, complete	DIX MPZ 600 K	639117000
2 Connection block	DIX 35-1	619350000
3 Pressure system, complete	DIX 31-1	619310000
4 Stirrup lock	DIX 34-1	619340000
5 Drive roll, for steel	DIX 32-2-../_/_	629323__0
Drive roll, for aluminum alloy	DIX 32-2-../_/_ A	629324__0
6 Clamp sleeve	DIX SH 270	629270270
7 VL - Supply hose connection	DIX 36-2-304 PZ	6293617070
8 Handle	DIX 7-3-600 P	639070373
9 Cover	DIX 33-2-300	629330300
10 Potentiometer	DIX 39-1 10 kΩ ROT	619390010
11 Rubber cover	DIX 37-2	629370000
12 Gear motor	DIX 38-2 P	629380001
13 contact cover plate, complete	DIX MPZ 600 P	6391170019
-- Enter the required wire diameter, e.g.: 10 = 1.0 mm, 12 = 1.2 mm or 16 = 1.6 mm.		
Accessories		
A Push-Pull holder, complete For Push-Pull torches	DIX MPZH 600	638166003
14 Holder	DIX MPZT 600	638166002
15 Belt	DIX MPZG 600	638166001

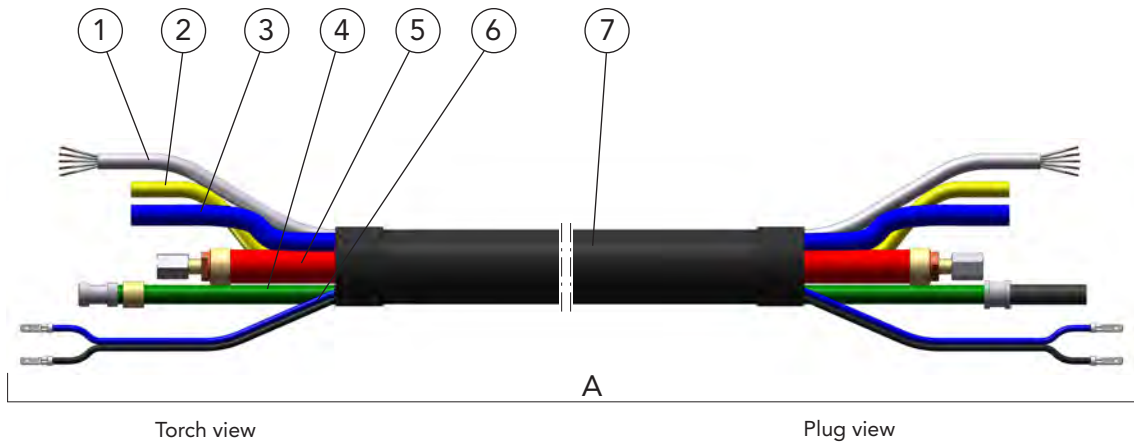


BLACKline PUSH-PULL System DIX MPZ 600 (SAZ) (N)

For BLACKline Torch sets

Supply hose

1



Description	Part name	Part number
A Supply hose	DIX VLMPZ 300-__	6223703__
1 Control wire, 5 pins	DIX 42-2-__	6294200__
2 Gas hose	DIX VL 180-__	639186001__
3 Water hose	DIX VL 190-__ BLAU	639196001__
4 Conduit hose	DIX VLM 2010-__	6292016__
5 Combi cable	DIX 22-2-303-__	6292213__
6 Control wire	DIX VLM 211-__	6292110__
7 Cover hose	DIX 23-2-404-__	6292304__

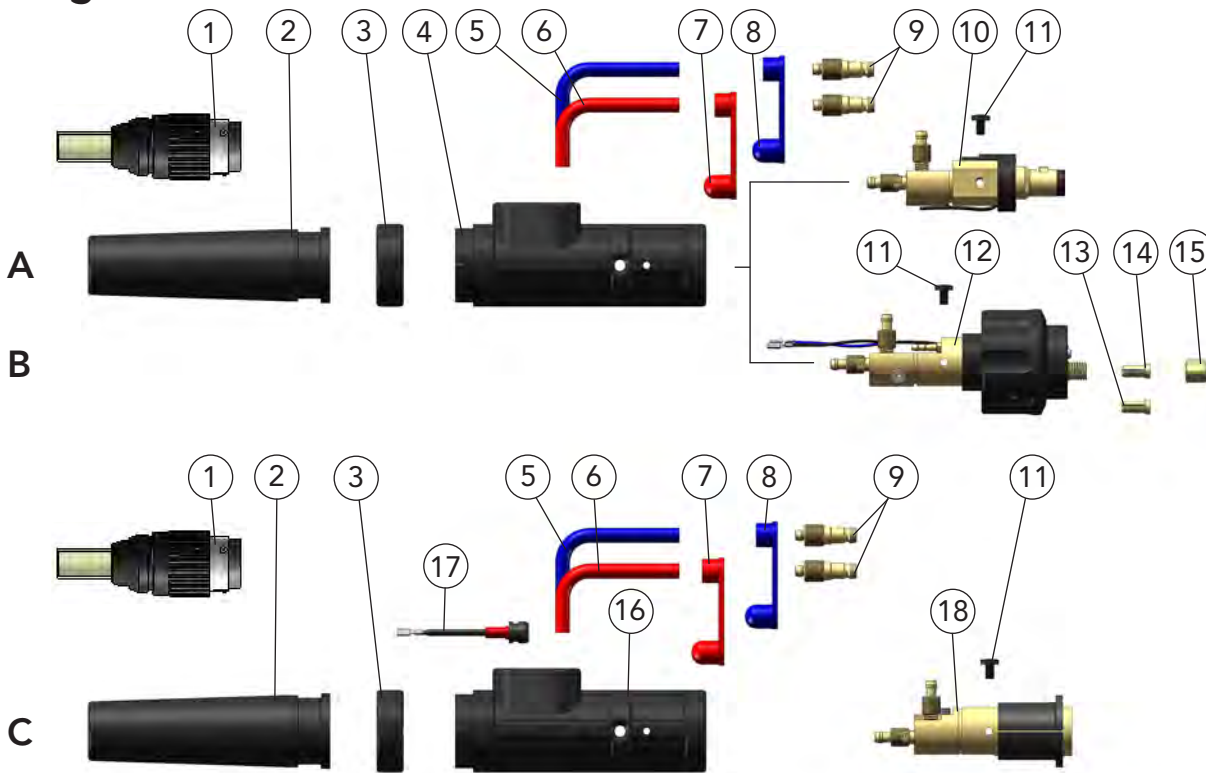
-- Enter the required length of the welding torch set, e.g.: 80 = 8.0 m.
Standard lengths: 8.0 m



BLACKline PUSH-PULL System DIX MPZ 600 (SAZ) (N)

For BLACKline Torch sets

Plug



● You need a Power Pin / Power Pin Set for the compact plug DIX KCZMEP 330 N (Pos. C). You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

	Description	Dimension	Part name	Part number
A	Plug		DIX KCZMEP 330	624170330
B	Plug		DIX KCZMEP 330 SAZ	624170331
C	Plug		DIX KCZMEP 330 N	624170332
1	Cable plug (Other cable plugs on request.)		DIX 41-2-TUCHEL 5P	629410000
2	Plug sleeve		DIX 12-3-510 ST	6391250012
3	Fixing ring		DIX 12-3-510 HR	6391250013
4	Plug housing		DIX 12-3-510 SG	6391250011
5	Connection hose, blue	0.60 m	DIX VL 170 BLAU	629171003
6	Connection hose, red	0.60 m	DIX VL 171 ROT	629171004
7	Cap, red		DIX VL 173	629172002
8	Cap, blue		DIX VL 172	629172001
9	Water plug	ø 5.0 mm	DIX 16-2	629160000
10	Plug insert		DIX ME 300 SEZ	639116064
11	Holding screw (10 pcs.)		DIX ME 300 HS	629070005
12	Plug insert		DIX ME 300 SAZ	639116061
13	Clamp sleeve, without block for capillary liner		DIX 27-2 MAP	629270041
14	Clamp sleeve, with block for liner		DIX 27-2 SA	629270040
15	Clamp nut		DIX 28-2 SA	629280040
16	Plug housing		DIX ME 600 SGN	6391250020
17	Plug connector		DIX CS 600 SGN	6391250021
18	Plug insert		DIX ME 600 N	639116076



BLACKline Torch sets liquid-cooled DIX MSZ/MGZ/MCZ 330 SATZ up to 400A

Properties

- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Flexible supply hose
- ▶ The new plug has an interface for the push-pull unit
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gas reduction by laminar gas flow and design of the tip adapter
- ▶ No gas loss due to separate shield gas feed

Application

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

Design with handle type MSZ

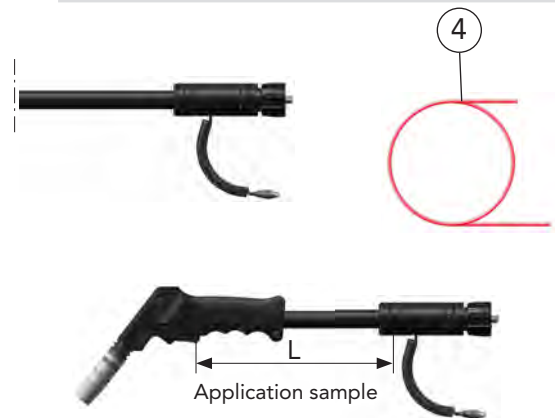
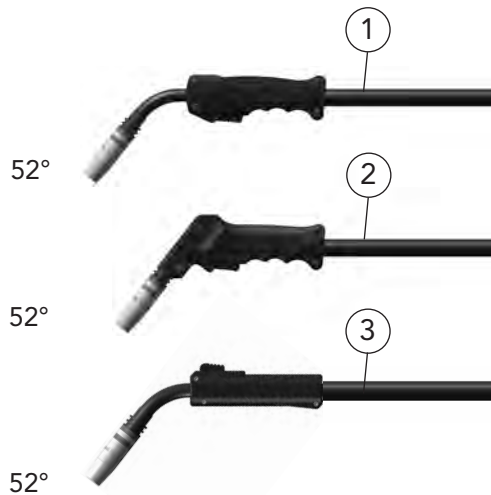
Design with handle type MGZ

Design with handle type MCZ

Options:
Handle with switch on top

Technical data (DIN EN 60 974-7):	
CO ₂ :	duty cycle 400A/60%
Mixed gas	320A/60%
Wire diameter:	1.0 - 1.2 mm

OPTION Only in combination with
PUSH-PULL torch set MPZ 600-8

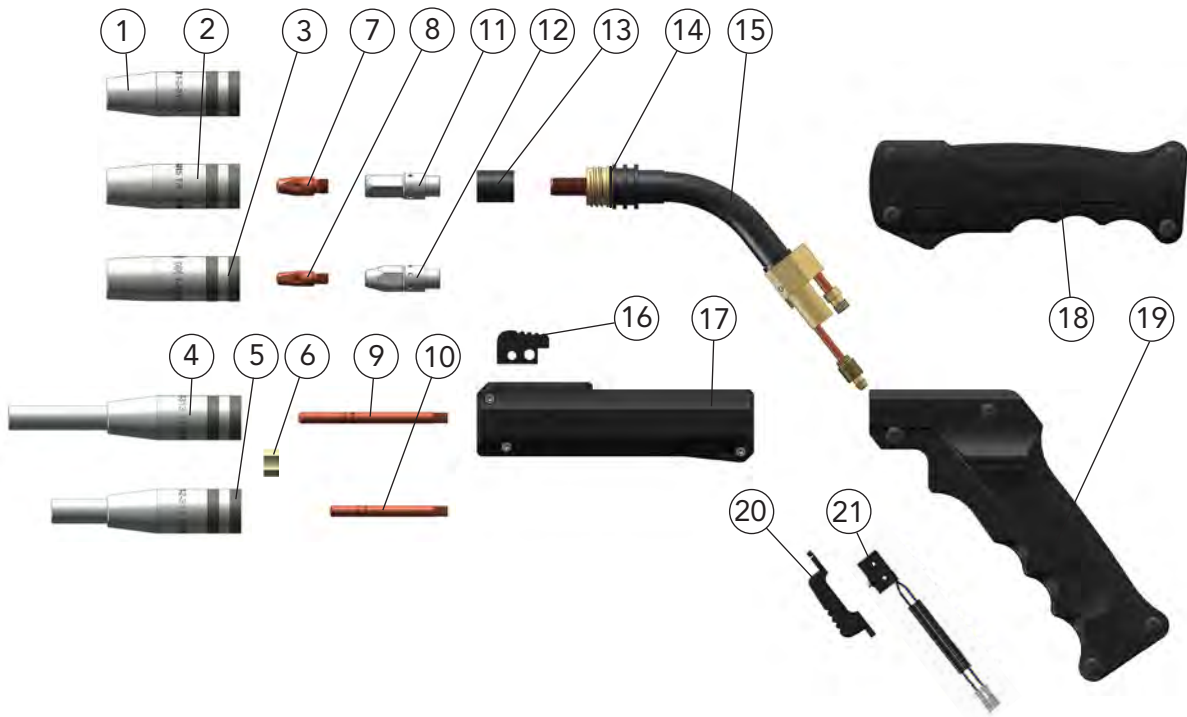


Description	Dimension	Part name	Part number
1 Torch set	1.50 m	DIX MSZ 330-1.5 SATZ	62031331158
Torch set	2.00 m	DIX MSZ 330-2.0 SATZ	6203133128
Torch set	3.00 m	DIX MSZ 330-3.0 SATZ	6203133138
2 Torch set	1.50 m	DIX MGZ 330-1.5 SATZ	62030331158
Torch set	2.00 m	DIX MGZ 330-2.0 SATZ	6203033128
Torch set	3.00 m	DIX MGZ 330-3.0 SATZ	6203033138
3 Torch set	1.50 m	DIX MCZ 330-1.5 SATZ	62033331158
Torch set	2.00 m	DIX MCZ 330-2.0 SATZ	6203333128
Torch set	3.00 m	DIX MCZ 330-3.0 SATZ	6203333138
4 Liner	ø 2.2 mm/2.0 m	DIX DS 4/2.2-2	623000320
Liner	ø 2.2 mm/2.5 m	DIX DS 4/2.2-2.5	623000325
Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories

BLACKline Torch sets DIX MSZ/MGZ/MCZ 330 SATZ



Description	Dimension	Part name	Part number
1 Gas nozzle	ø 13 mm	DIX 1-2-313 TR	6290103130
2 Gas nozzle	ø 15 mm	DIX 1-2-315 TR	6290103150
3 Gas nozzle	ø 18 mm	DIX 1-2-318 TR	6290103180
4 Narrow gap gas nozzle	ø 13 x 125mm	DIX 1-2-313 TR/125	6290103131
5 Narrow gap gas nozzle	ø 13 x 102mm	DIX 1-2-313 TR/102	P629010KI001
6 Centre star		DIX 1-2-010/115	62901001413
7 Contact tip	M6 x 28 mm	DIX 3-2-__	6290300__
Contact tip	M6 x 28 mm	DIX 3-2-__ CR-ZR	6290330__
8 Contact tip	M8 x 28 mm	DIX 3-2-__ M8	6290301__
Contact tip	M8 x 28 mm	DIX 3-2-__ M8 CR-ZR	6290331__
9 Contact tip, for pos. 4	M6 x 80 mm	DIX 3-1-__ /80	6190394__
10 Contact tip, for pos. 5	M6 x 63 mm	DIX 3-1-1.2/63	P619039HM003
11 Tip adapter	M6	DIX 4-2-K M6	629040010
12 Tip adapter	M8	DIX 4-2-K M8	629040110
13 Insulating sleeve		DIX 10-2	629100000
14 O-Ring 19x1.5	(10 pcs.)		629073901
15 Torch neck	52°	DIX 6-2-330 Z	6290613310
16 Trigger		DIX 9-2 C	629090030
17 Handle		DIX 7-2-303 C	629070330
18 Handle		DIX 7-2-303 S	629070310
19 Handle		DIX 7-2-303 G	629070300
20 Trigger		DIX 9-2	629090000
21 Micro switch		DIX 8-2	629080000

-- Enter the required wire diameter, e.g.: 10 = 1.0 mm or 12 = 1.2 mm.

- Standard equipment for wire diameter 1.2 mm steel with gas nozzle DIX 1-2-315 TR, contact tip DIX 3-2-1.2 M8, tip adapter DIX 4-2-K M8 and liner DIX DS 4/2.2. Variants deviating of the standard fittings on request.



BLACKline Torch sets liquid-cooled DIX MSZ/MCZ 304 SATZ up to 500A

Properties

- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Flexible supply hose
- ▶ The new plug has an interface for the push-pull unit
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gas reduction by laminar gas flow and design of the tip adapter
- ▶ No gas loss due to separate shield gas feed
- ▶ Plastic-coated torch neck (not for versions with housing types MS LZ and MC LZ)

Application

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

Design with handle type MSZ



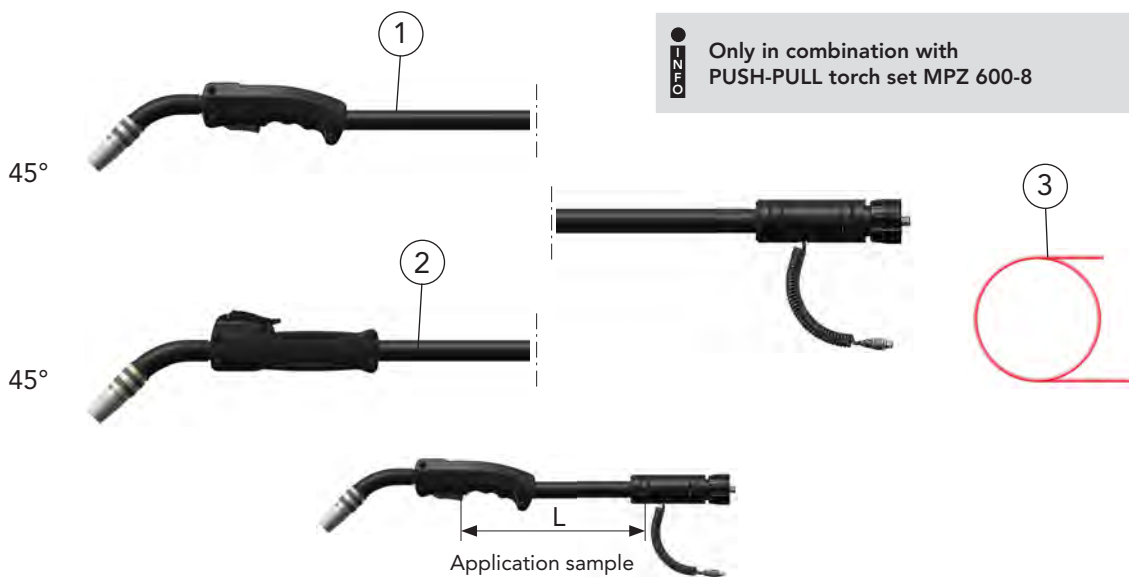
Design with handle type MCZ



Technical data (DIN EN 60 974-7):

Dual - circuit cooling system	
CO ₂ :	duty cycle 500A/60%
Mixed gas:	450A/60%
Wire diameter:	0.8 - 1.6 mm

OPTIM Only in combination with
PUSH-PULL torch set MPZ 600-8



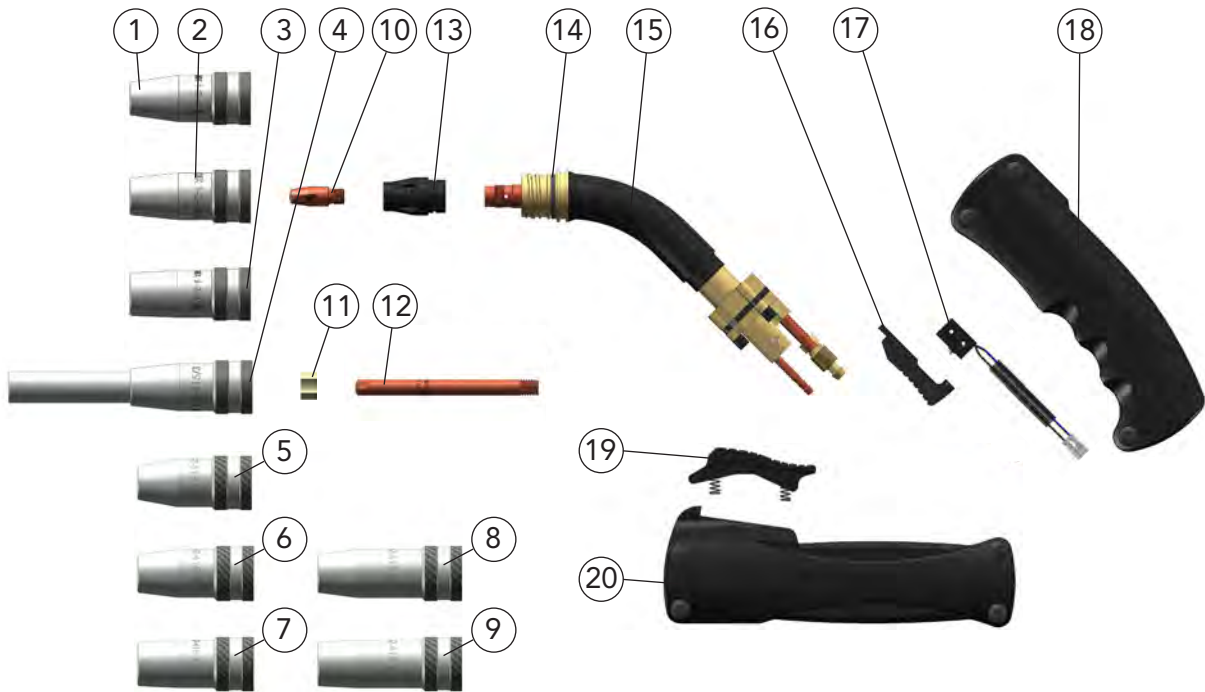
Description	Dimension	Part name	Part number
1 Torch set	1.50 m	DIX MSZ 304-1.5 SATZ	6203143158
Torch set	2.00 m	DIX MSZ 304-2.0 SATZ	620314328
Torch set	3.00 m	DIX MSZ 304-3.0 SATZ	620314338
2 Torch set	1.50 m	DIX MCZ 304-1.5 SATZ	6203343158
Torch set	2.00 m	DIX MCZ 304-2.0 SATZ	620334328
Torch set	3.00 m	DIX MCZ 304-3.0 SATZ	620334338
3 Liner	ø 2.2 mm/1.5 m	DIX DS 4/2.2-1.5	623000315
Liner	ø 2.2 mm/2.0 m	DIX DS 4/2.2-2	623000320
Liner	ø 2.2 mm/3.0 m	DIX DS 4/2.2-3	623000330

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories. Variants deviating of the standard fittings on request.



BLACKline Torch sets DIX MSZ/MCZ 304 SATZ



Description	Dimension (mm)	Part name	Part number
1 Gas nozzle	ø 13 x 62	DIX 1-2-413	629010413
2 Gas nozzle	ø 15 x 62	DIX 1-2-415	629010415
3 Gas nozzle	ø 18 x 62	DIX 1-2-418	629010418
4 Narrow gap gas nozzle	ø 15 x 124	DIX 1-2-415/3	6290104153
5 Gas nozzle	ø 13 x 57	DIX 1-2-413 K	629010403
6 Gas nozzle	ø 15 x 58	DIX 1-2-415 K	629010405
7 Gas nozzle	ø 18 x 58	DIX 1-2-418 K	629010408
8 Gas nozzle	ø 15 x 72	DIX 1-2-415 L	6290104152
9 Gas nozzle	ø 18 x 72	DIX 1-2-418 L	6290104182
10 Contact tip	M8 x 28	DIX 3-2-__ M8	6290301__
Contact tip	M8 x 28	DIX 3-2-__ M8 CR-ZR	6290331__
11 Centre star, for pos. 12		DIX 3-2-STERN	P629039HM011
12 Contact tip, for pos. 4	M8 x 93	DIX 3-2-__ M8/93	629039010__
13 Gas diffuser		DIX 10-2-304	629100324
14 O-Ring 19x2	(10 pcs.)		629061005
15 Torch neck	45°	DIX 6-2-304 Z 45°	629061340
Torch neck, not shown	45°	DIX 6-2-304 SLZ 45°	629061341
16 Trigger		DIX 9-2-304 S	629090304
17 Micro switch		DIX 8-2	629080000
18 Handle		DIX 7-2-304 S	629070314
19 Trigger		DIX 9-2-304 C	629090305
20 Handle		DIX 7-2-304 C	629070334

-- Enter the required wire diameter, e.g.: 10 = 1.0 mm, 12 = 1.2 mm or 16 = 1.6 mm.

► Standard equipment for wire diameter 1.2 mm steel with gas nozzle DIX 1-2-415, contact tip DIX 3-2-1.2 M8 and liner DIX DS 4/2.2. Variants deviating of the standard fittings on request.



BLACKline Torch sets liquid-cooled DIX MSZ/MCZ 305 SATZ up to 550A

Technical benefits

- ▶ Optimal cooling of the gas nozzle through open cooling circuit
- ▶ Flexible supply hose
- ▶ The new plug has an interface for the push-pull unit
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gas reduction by laminar gas flow and design of the tip adapter
- ▶ No gas loss due to separate shield gas feed

Application

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

Technical data (DIN EN 60 974-7):

Dual - circuit cooling system

CO ₂ :	duty cycle 550A/60%
Mixed gas:	500A/60%
Wire diameter:	1.2 - 2.0 mm

Design with handle type MSZ



Design with handle type MCZ

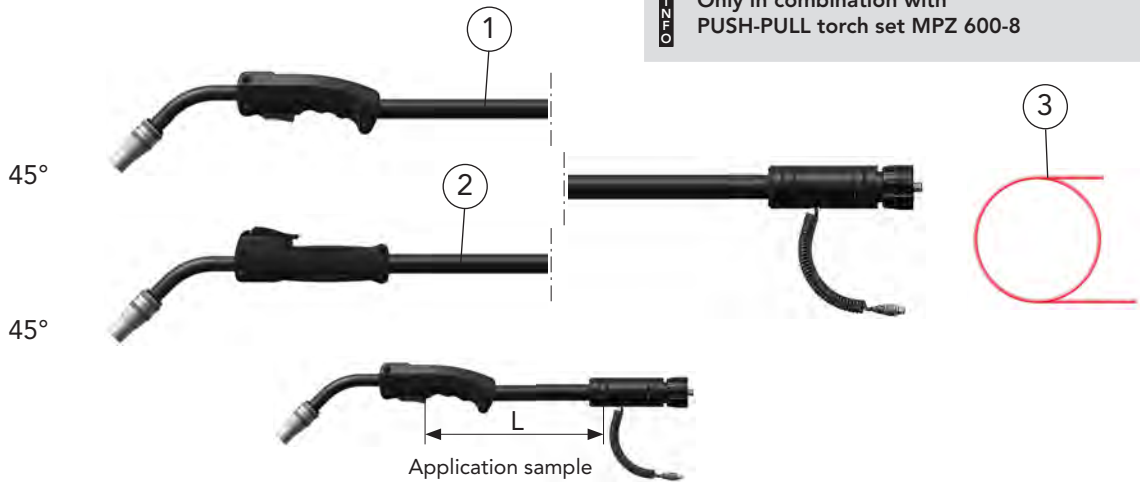


Reduced gas nozzle



Gas nozzle with screw adapter DIX SAD 5700 (Accessories for BLACKline torch sets)

MPZ Only in combination with PUSH-PULL torch set MPZ 600-8



	Description	Dimension	Part name	Part number
1	Torch set	1.50 m	DIX MSZ 305-1.5 SATZ	6203153158
	Torch set	2.00 m	DIX MSZ 305-2.0 SATZ	620315328
	Torch set	3.00 m	DIX MSZ 305-3.0 SATZ	620315338
2	Torch set	1.50 m	DIX MCZ 305-1.5 SATZ	6203353158
	Torch set	2.00 m	DIX MCZ 305-2.0 SATZ	620335328
	Torch set	3.00 m	DIX MCZ 305-3.0 SATZ	620335338
3	Liner	ø 2.2 mm/2.0 m	DIX DS 4/2.2-2	623000320
	Liner	ø 2.2 mm/2.5 m	DIX DS 4/2.2-2.5	623000325
	Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335

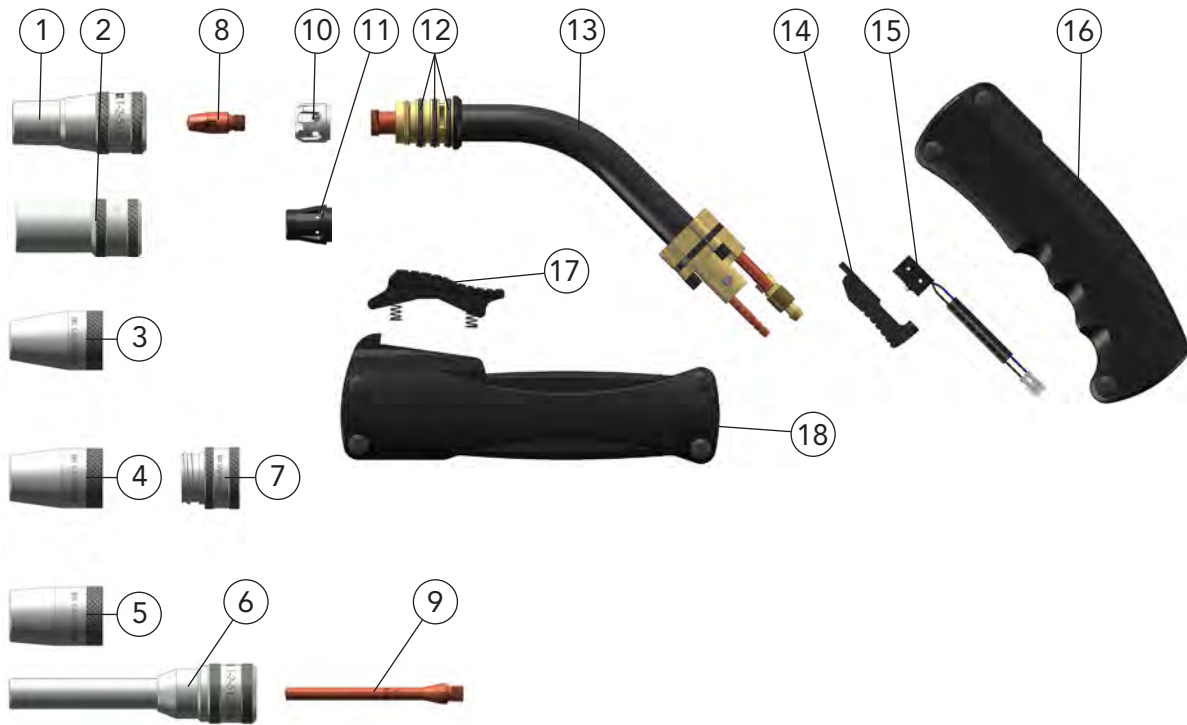
Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories
Variants deviating of the standard fittings on request.



BLACKline Torch sets DIX MSZ/MCZ 305 SATZ

1



	Description	Dimension	Part name	Part number
1	Gas nozzle	ø 17 mm	DIX 1-2-517	629010517
	Gas nozzle, plug-in type	ø 17 mm	DIX 1-2-517 OG	6290105171
2	Gas nozzle	ø 21 mm	DIX 1-2-521	629010521
3	Gas nozzle, for pos. 7	ø 15 mm	DIX 1-3-5715 SAD	6390257157
4	Gas nozzle, for pos. 7	ø 18 mm	DIX 1-3-5718 SAD	6390257187
5	Gas nozzle, for pos. 7	ø 21 mm	DIX 1-3-5721 SAD	6390257217
6	Narrow gap gas nozzle, plug-in type	ø 15 x 125 mm	DIX 1-2-511/125 OG	6290191518
	Narrow gap gas nozzle	ø 15 x 125 mm	DIX 1-2-512/125	6290191528
7	Screw adapter		DIX SAD 5700	628145700
8	Contact tip	M8 x 28 mm	DIX 3-2-__ M8	6290301__
	Contact tip	M8 x 28 mm	DIX 3-2-__ M8 CR-ZR	6290331__
9	Contact tip, for pos. 6	M8 x 90 mm	DIX 3-2-__ M8/90	6290337__2
10	Gas diffuser, ceramic		DIX 10-2- 305 K	6291003051
11	Gas diffuser		DIX 10-2-305	6291003052
12	O - Ring, 18x2 mm	(12 pcs.)		639060005
13	Torch neck	45°	DIX 6-2-305 Z	629061350
14	Trigger		DIX 9-2-304 S	629090304
15	Micro switch		DIX 8-2	629080000
16	Handle		DIX 7-2-304 S	629070314
17	Trigger		DIX 9-2-304 C	629090305
18	Handle		DIX 7-2-304 C	629070334

-- Enter the required wire diameter, e.g.: 12 = 1.2 mm, 16 = 1.6 mm or 20 = 2.0 mm.
Cooling jacket with screw adapter DIX SAD 5700 for direct liquid cooling for extreme cases of application.

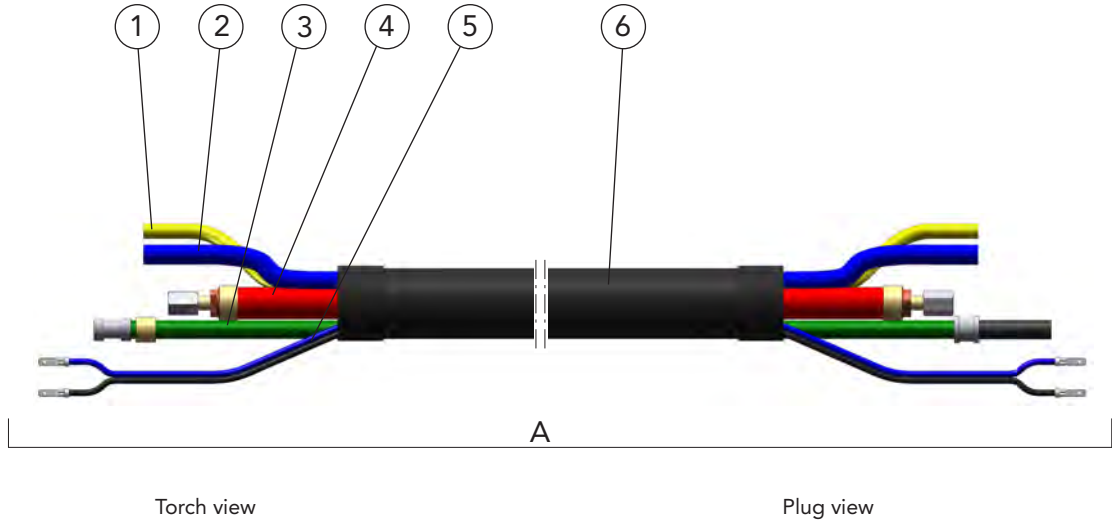
► Standard equipment for wire diameter 1.2 mm steel with gas nozzle diameter 17 mm, gas nozzle DIX 1-2-517, contact tip DIX 3-2-1.2 M8, gas diffuser DIX 10-2-305 K, liner DIX DS 4/2.2.
Variants deviating of the standard fittings on request.



BLACKline Torch sets Z - 330 /304 /305 SATZ

Supply hose

1

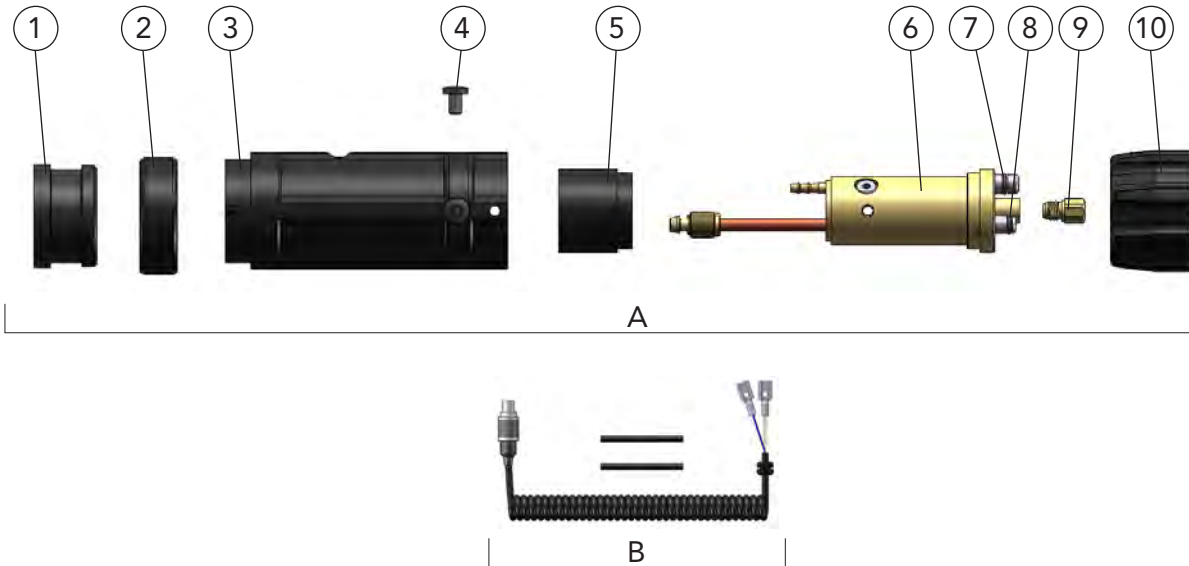


Description	Part name	Part number
A Supply hose	DIX VLMZ 300-__ SATZ	6223100-__
1 Gas hose	DIX VL 180-__	639186001-__
2 Water hose	DIX VL 190-__ BLAU	639196001-__
3 Conduit hose	DIX VLM 2010-__	6292016-__
4 Combi cable	DIX 22-2-303-__ SATZ	6292223-__
5 Control wire	DIX VLM 211-__	6292110-__
6 Cover hose	DIX VLM 330-__	6292313-__

-- Enter the required length of the welding torch set, e.g.: 15 = 1.5 m, 20 = 2.0 m or 30 = 3.0 m.
Standard lengths: 1.5 m, 2.0 m and 3.0 m



BLACKline Torch sets Z - 330 /304 /305 SATZ Plug



Description	Part no	Article no
A Plug	DIX KCZME 600 P	638900036
B Cable plug	DIX MPZK 600	629410018
1 Plug sleeve	DIX SH 600 P	629123311
2 Fixing ring	DIX 12-3-510 HR	6391250013
3 Plug housing	DIX 600 SGP	629123310
4 Holding screw (10 pcs.)	DIX ME 300 HS	629070005
5 Sleeve, 600 P		629123312
6 Plug insert	DIX 600 P	639116078
7 O-Ring 5.1x1.6 (10 pcs.)		629061014
8 O-Ring 4.1x1.6 (10 pcs.)		629061013
9 Connecting piece, MATZ	DIX MES 300/500	639061500041
10 Screw cap	DIX 6-3-MET	629061001





neo torch sets gas-cooled

DIX MQ 230.neo (SA) (N) up to 250A

Properties

- ▶ High-quality ball joint with kink protection on the gun side
- ▶ Flexible supply hose
- ▶ Bend protection at the plug
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Ergonomic designed handle
- ▶ The excellent mobility of the ball joint allows fatigue-free working
- ▶ Options:
Diameter reduced gas nozzle

Version with ball joint



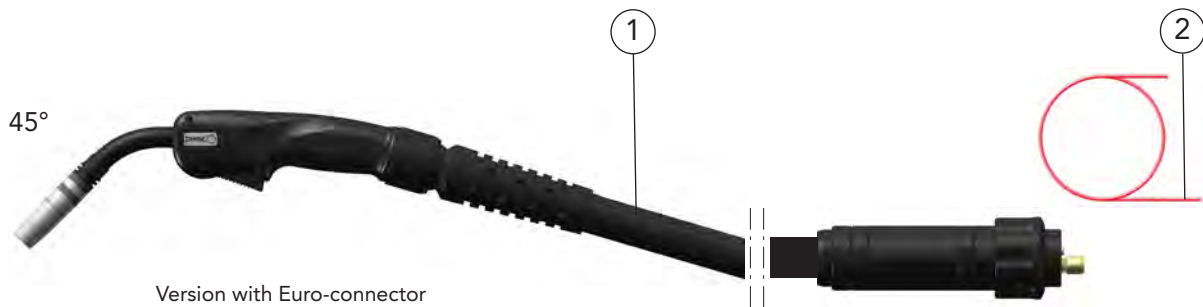
Sample application

Application

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

Technical data (DIN EN 60 974-7):

CO ₂ :	duty cycle 250A/60%
Mixed gas:	200A/60%
Wire diameter:	0.8 - 1.0 mm



OPTION You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.



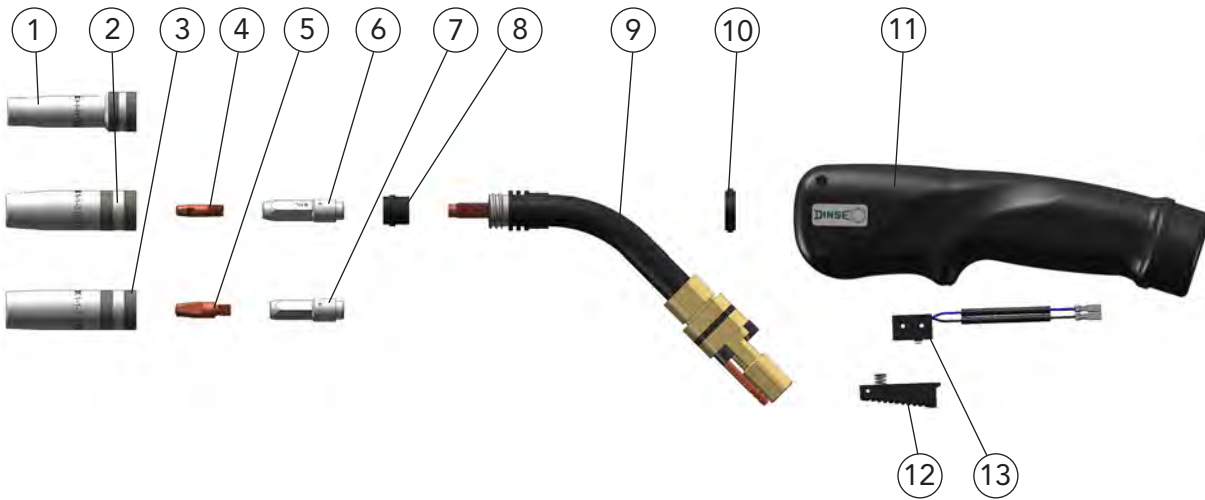
	Description	Dimension	Part name	Part number
1	Torch set	3.00 m	DIX MQ 230.neo-3	610212430
	Torch set	4.00 m	DIX MQ 230.neo-4	610212440
	Torch set	5.00 m	DIX MQ 230.neo-5	610212450
	Torch set	3.00 m	DIX MQ 230.neo-3 SA	610212431
	Torch set	4.00 m	DIX MQ 230.neo-4 SA	610212441
	Torch set	5.00 m	DIX MQ 230.neo-5 SA	610212451
	Torch set	3.00 m	DIX MQ 230.neo-3 N	610212434
	Torch set	4.00 m	DIX MQ 230.neo-4 N	610212444
	Torch set	5.00 m	DIX MQ 230.neo-5 N	610212454
2	Liner	ø 1.8 mm/3.5 m	DIX DS 4/1.8-3.5	613000235
	Liner	ø 1.8 mm/4.5 m	DIX DS 4/1.8-4.5	613000245
	Liner	ø 1.8 mm/5.5 m	DIX DS 4/1.8-5.5	613000255

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



Torch sets DIX MQ 230.neo (SA) (N)



Description	Dimension	Part name	Part number
1 Gas nozzle	ø 11 mm	DIX 1-1-311 TRR	6190106110
2 Gas nozzle	ø 13 mm	DIX 1-1-312 TR	6190103120
3 Gas nozzle	ø 16 mm	DIX 1-1-316 TR	6190103160
4 Contact tip	M6 x 24 mm	DIX 3-1-__	6190300__
5 Contact tip	M6 x 28 mm	DIX 3-2-__	6290300__
Contact tip	M6 x 28 mm	DIX 3-2-__ CR-ZR	6290330__
6 Tip adapter	M6	DIX 4-1-L	619040020
7 Tip adapter	M6	DIX 4-1-K	619040010
8 Insulating sleeve		DIX 10-1-222	619100202
9 Torch neck	45°	DIX 6-1-230.neo 45°	6190632310
10 Support ring		DIX H SR 340	629071030
11 Handle		DIX H S 2	629071038
12 Trigger		DIX S5	629071147
13 Micro switch		DIX 8-2	629080000
Switch mount, not shown		DIX BR 8-2	629071032

-- Enter the required wire diameter, e.g.: 08 = 0.8 mm or 10 = 1.0 mm.

- Standard equipment for wire diameter 1.0 mm steel with gas nozzle DIX 1-1-312 TR, contact tip DIX 3-1-1.0, tip adapter DIX 4-1-L and liner DIX DS 4/1.8.
Variants deviating of the standard fittings on request.

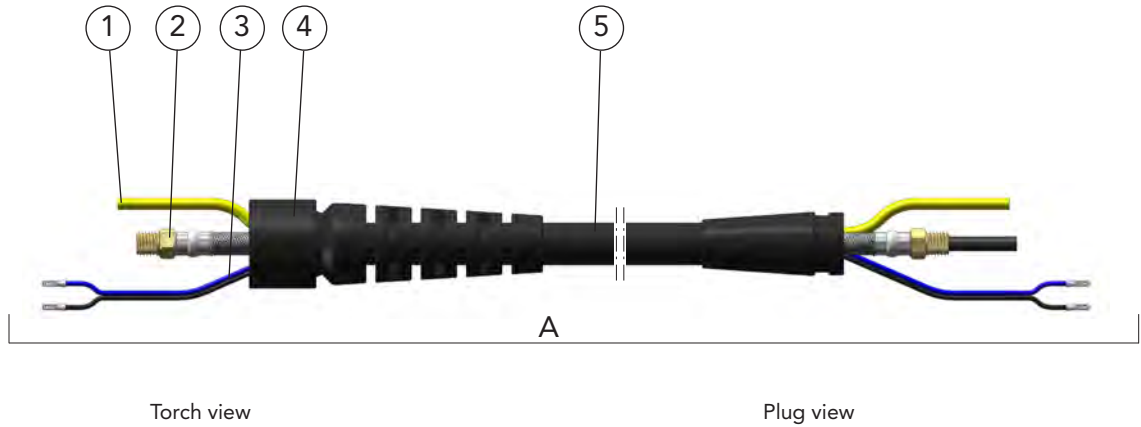




Spare parts and wear parts

Torch sets DIX MQ 230.neo (SA) (N) Supply hose

1



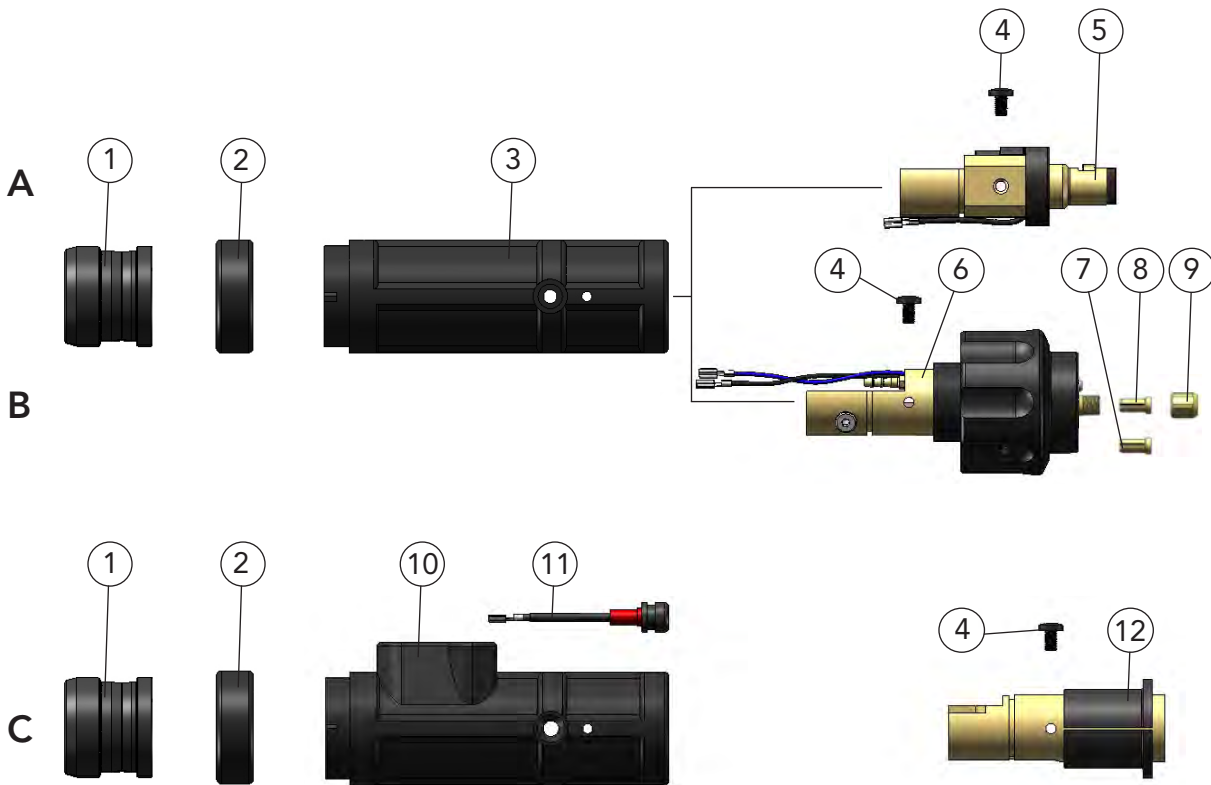
MIG/MAG Manual

Description	Part name	Part number
A Supply hose	DIX VLM 203-__	6122032__
1 Gas hose	DIX VL 180-__	639186001__
2 Binary cable	DIX VLM 2230-__	6192065__
3 Control wire	DIX VLM 211-__	6292110__
4 Ball joint complete	DIX BJ 2-20	629071049
5 Cover hose, with pos. 4	DIX VLM 231-__	6192352__

-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m, 4.0 m and 5.0 m.



Torch sets DIX MQ 230.neo (SA) (N) Plug



DINSE You need a Power Pin / Power Pin Set for the compact plug DIX KCME 230 N (Pos. C). You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Part name	Part number
A Plug	DIX KCME 230	614000230
B Plug	DIX KCME 230 SA	614000231
C Plug	DIX KCME 230 N	638900046
1 Reduction sleeve	DIX ME 300 RH	639116065
2 Fixing ring	DIX 12-3-510 HR	6391250013
3 Plug housing	DIX ME 300 SG	629123300
4 Holding screw (10 pcs.)	DIX ME 300 HS	629070005
5 Plug insert	DIX ME 300 SE	639113004
6 Plug insert	DIX ME 300 SA	639113005
7 Clamp sleeve, without block for capillary liner	DIX 27-2 MAP	629270041
8 Clamp sleeve, with block for liner	DIX 27-2 SA	629270040
9 Clamp nut	DIX 28-2 SA	629280040
10 Plug housing	DIX ME 600 SGN	6391250020
Sealing cap, not shown	DIX 12-3-510 DK	901515135
11 Round plug connector	DIX CS 600 SGN	6391250021
12 Plug insert	DIX ME 300 N	639116077



neo torch sets gas-cooled DIX MQ 330.neo (SA) (N) up to 300A

Properties

- ▶ High-quality ball joint with kink protection on the gun side
- ▶ Flexible supply hose
- ▶ Bend protection at the plug
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Ergonomic designed handle
- ▶ The excellent mobility of the ball joint allows fatigue-free working



Version with ball joint

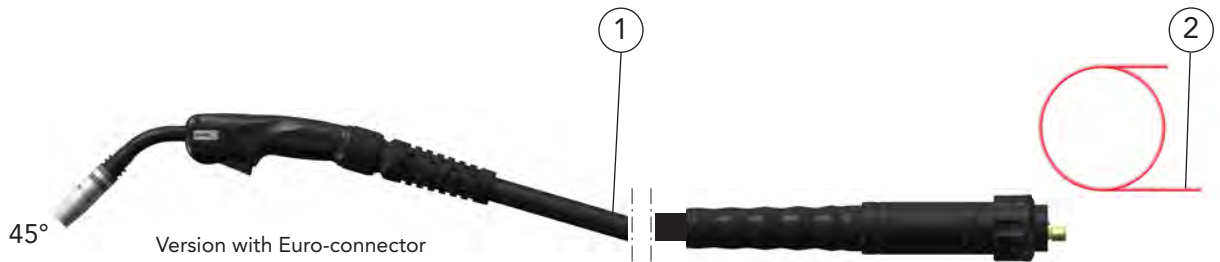
Sample application

Application

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

Technical data (DIN EN 60 974-7):

	duty cycle
CO ₂ :	300A/60%
Mixed gas:	270A/60%
Wire diameter:	1.0 - 1.2 mm



INFO You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.



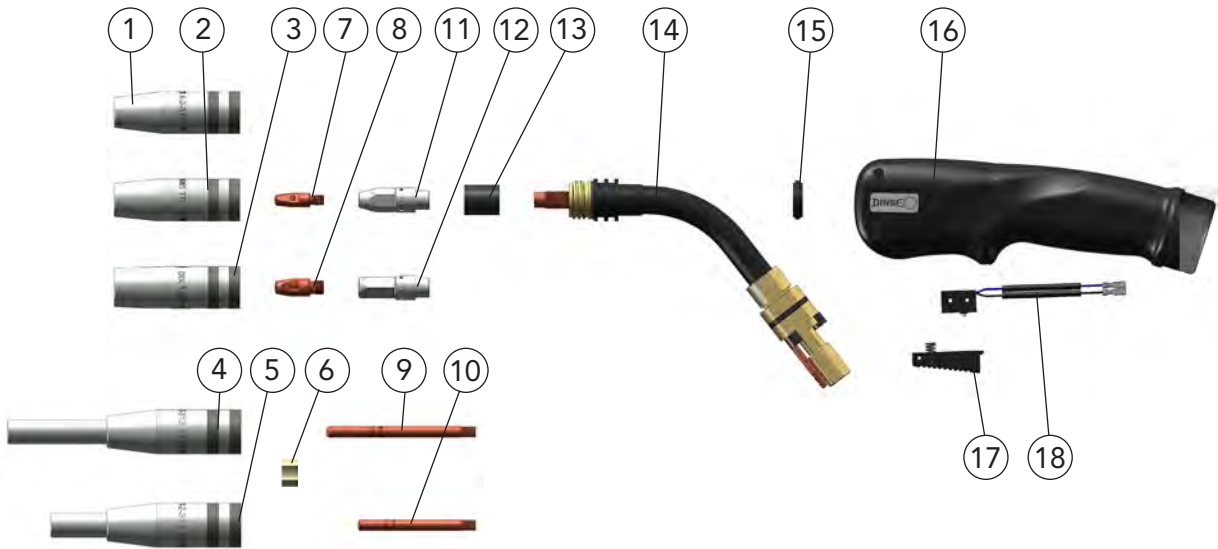
Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MQ 330.neo-3	620213630
Torch set	4.00 m	DIX MQ 330.neo-4	620213640
Torch set	5.00 m	DIX MQ 330.neo-5	620213650
Torch set	3.00 m	DIX MQ 330.neo-3 SA	620213631
Torch set	4.00 m	DIX MQ 330.neo-4 SA	620213641
Torch set	5.00 m	DIX MQ 330.neo-5 SA	620213651
Torch set	3.00 m	DIX MQ 330.neo-3 N	620213634
Torch set	4.00 m	DIX MQ 330.neo-4 N	620213644
Torch set	5.00 m	DIX MQ 330.neo-5 N	620213654
2 Liner	ø 1.8 mm/3.5 m	DIX DS 4/1.8-3.5	613000235
Liner	ø 1.8 mm/4.5 m	DIX DS 4/1.8-4.5	613000245
Liner	ø 1.8 mm/5.5 m	DIX DS 4/1.8-5.5	613000255

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



Torch sets DIX MQ 330.neo (SA) (N)



Description	Dimension	Part name	Part number
1 Gas nozzle	∅ 13 mm	DIX 1-2-313 TR	6290103130
2 Gas nozzle	∅ 15 mm	DIX 1-2-315 TR	6290103150
3 Gas nozzle	∅ 18 mm	DIX 1-2-318 TR	6290103180
4 Narrow gap gas nozzle*	∅ 13 x 125mm	DIX 1-2-313 TR/125	6290103131
5 Narrow gap gas nozzle	∅ 13 x 102mm	DIX 1-2-313 TR/102	P629010KI001
6 Centre star		DIX 1-2-010/115	62901001413
7 Contact tip	M8 x 28 mm	DIX 3-2-__ M8	6290301__
Contact tip	M8 x 28 mm	DIX 3-2-__ M8 CR-ZR	6290331__
8 Contact tip	M6 x 28 mm	DIX 3-2-__	6290300__
Contact tip	M6 x 28 mm	DIX 3-2-__ CR-ZR	6290330__
9 Contact tip, for pos. 4*	M6 x 80 mm	DIX 3-1-__/80	6190394__
10 Contact tip, for pos. 5	M6 x 63 mm	DIX 3-1-1.2/63	P619039HM003
11 Tip adapter	M8	DIX 4-2-K M8	629040110
12 Tip adapter	M6	DIX 4-2-K M6	629040010
13 Insulating sleeve		DIX 10-2	629100000
14 Torch neck	45°	DIX 6-2-330.neo 45°	6290633345
15 Support ring		DIX H SR 340	629071030
16 Handle		DIX H S 2	629071038
17 Trigger		DIX S5	629071147
18 Micro switch		DIX 8-2	629080000
Switch mount, not shown		DIX BR 8-2	629071032

* Only in conjunction with tip adapter 4-2-K M6, pos. 12.

-- Enter the required wire diameter, e.g.: 10 = 1.0 mm or 12 = 1.2 mm.

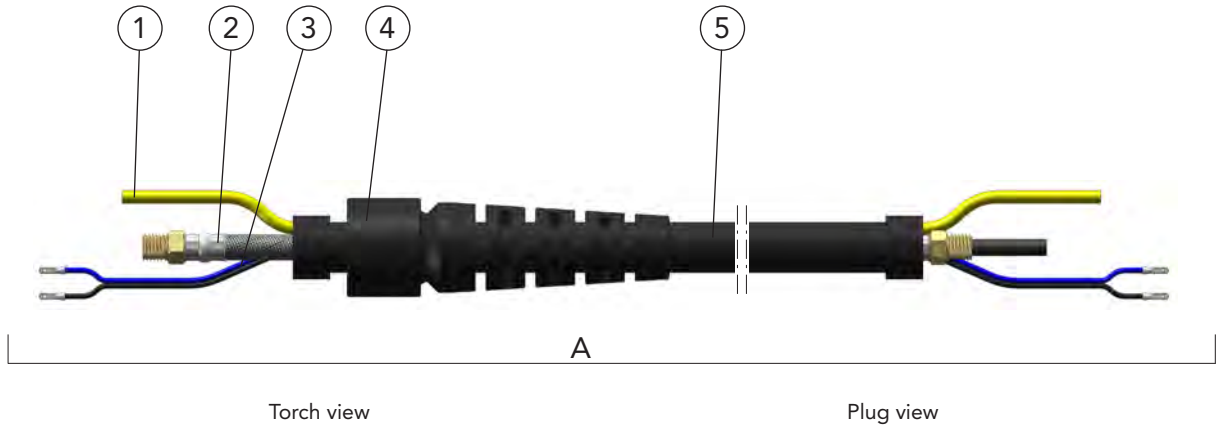
► Standard equipment for wire diameter 1.0 mm steel with gas nozzle DIX 1-2-315 TR, contact tip DIX 3-2-1.0 M8, tip adapter DIX 4-2-K M8 and liner DIX DS 4/1.8. Variants deviating of the standard fittings on request.





Spare parts and wear parts

Torch sets DIX MQ 330.neo (SA) (N) Supply hose

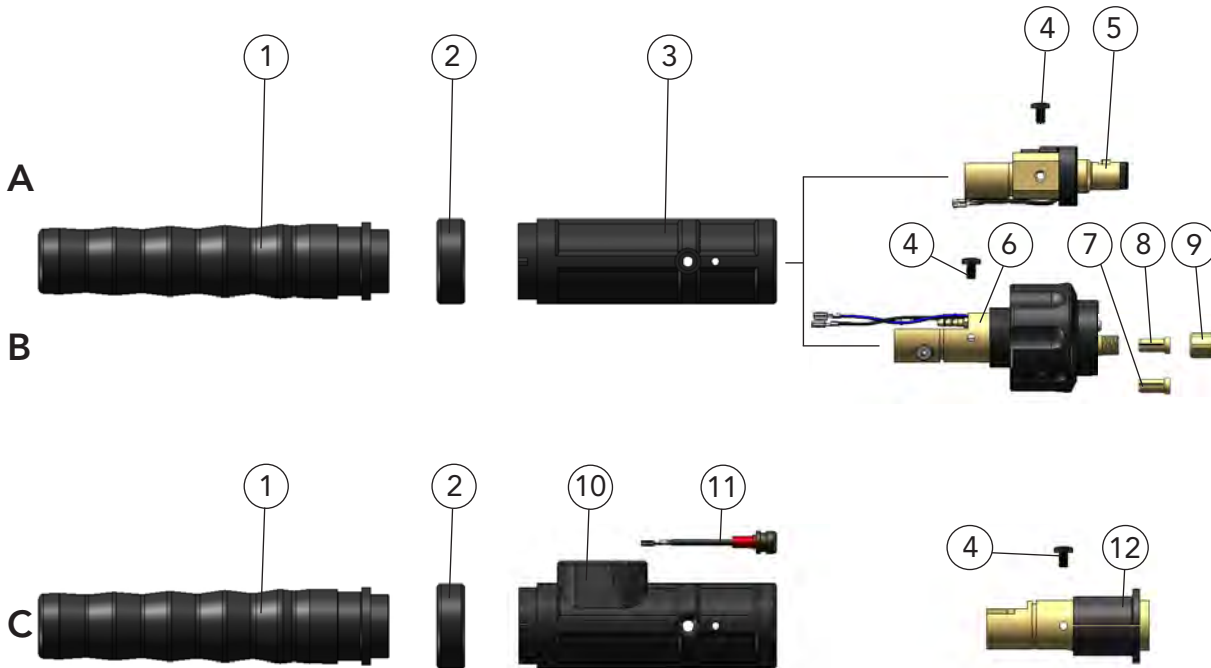


Description	Part name	Part number
A Supply hose	DIX VLM 302-__	6223023__
1 Gas hose	DIX VL 180-__	639186001__
2 Binary cable	DIX VLM 2330-__	6292066__
3 Control wire	DIX VLM 211-__	6292110__
4 Ball joint complete	DIX BJ 2-30	629071048
5 Cover hose, with pos. 4	DIX VLM 331-__	6292315__

-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m, 4.0 m and 5.0 m



Torch sets DIX MQ 330.neo (SA) (N) Plug



OTZ You need a Power Pin / Power Pin Set for the compact plug DIX KCME 330 N (Pos. C). You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Part name	Part number
A Plug	DIX KCME 330	624000330
B Plug	DIX KCME 330 SA	624000331
C Plug	DIX KCME 330 N	638900042
1 Plug sleeve	DIX ME 300 SM	629120000
2 Fixing ring	DIX 12-3-510 HR	6391250013
3 Plug housing	DIX ME 300 SG	629123300
4 Holding screw (10 pcs.)	DIX ME 300 HS	629070005
5 Plug insert	DIX ME 300 SE	639113004
6 Plug insert	DIX ME 300 SA	639113005
7 Clamp sleeve, without block for capillary liner	DIX 27-2 MAP	629270041
8 Clamp sleeve, with block for liner	DIX 27-2 SA	629270040
9 Clamp nut	DIX 28-2 SA	629280040
10 Plug housing	DIX ME 600 SGN	6391250020
11 Plug connector	DIX CS 600 SGN	6391250021
12 Plug insert	DIX ME 300 N	639116077
Sealing cap, not shown	DIX 12-3-510 DK	901515135



neo torch sets gas-cooled DIX MQ 340C.neo SA up to 350A

1

Properties

- ▶ High-quality ball joint with kink protection on the gun side
- ▶ Flexible supply hose
- ▶ Bend protection at the plug
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Ergonomic designed handle
- ▶ The excellent mobility of the ball joint allows fatigue-free working
- ▶ Design with coaxial cable



Version with ball joint

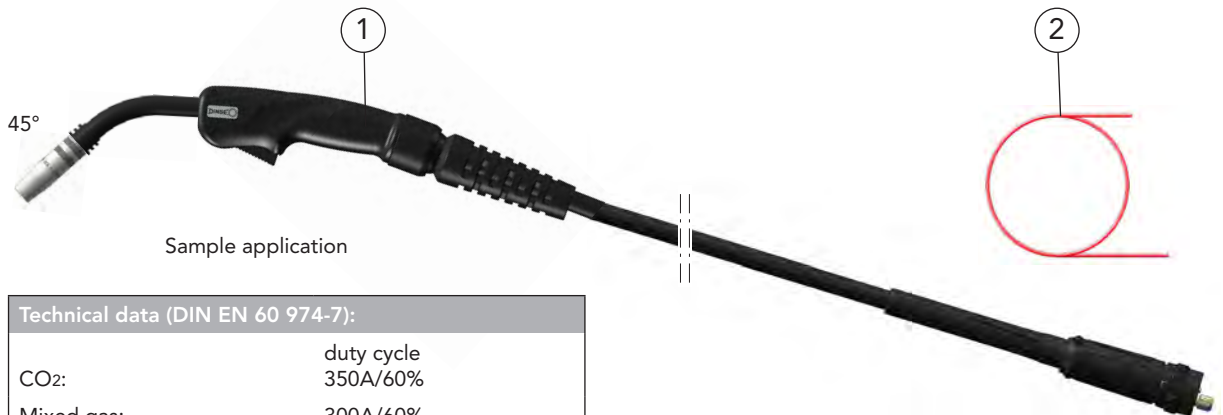
Sample application

Application

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

NOTE Connectable to DINSE connection with intermediate adapter SA/EC (see Accessories).

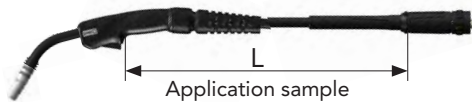
MIG/MAG Manual



Sample application

Technical data (DIN EN 60 974-7):

CO ₂ :	duty cycle 350A/60%
Mixed gas:	300A/60%
Wire diameter:	1.0 - 1.2 mm



Application sample

Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MQ 340C.neo-3 SA	620213531
Torch set	4.00 m	DIX MQ 340C.neo-4 SA	620213541
Torch set	5.00 m	DIX MQ 340C.neo-5 SA	620213551
2 Liner	∅ 2.2 mm/3.3 m	DIX DSC 4.5/2.2-3.3	616000333
Liner	∅ 2.2 mm/4.4 m	DIX DSC 4.5/2.2-4.4	616000344
Liner	∅ 2.2 mm/5.5 m	DIX DSC 4.5/2.2-5.5	616000355

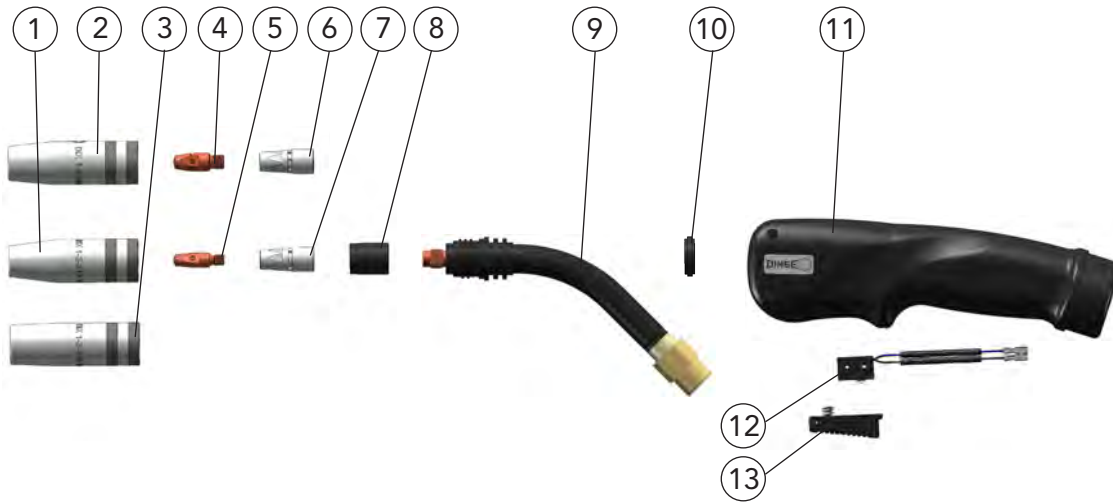
- ▶ Variants deviating of the standard fittings on request.

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



Torch sets DIX MQ 340C.neo SA



Description	Dimension	Part name	Part number
1 Gas nozzle	∅ 13 mm	DIX 1-2-313 TR	6290103130
2 Gas nozzle	∅ 15 mm	DIX 1-2-315 TR	6290103150
3 Gas nozzle	∅ 18 mm	DIX 1-2-318 TR	6290103180
4 Contact tip	M8 x 28 mm	DIX 3-2-__ M8	6290301__
Contact tip	M8 x 28 mm	DIX 3-2-__ M8 CR-ZR	6290331__
5 Contact tip	M6 x 28 mm	DIX 3-2-__	6290300__
Contact tip	M6 x 28 mm	DIX 3-2-__ CR-ZR	6290330__
6 Tip adapter	M8	DIX GS 300 M8	629040302
7 Tip adapter	M6	DIX GS 300 M6	629040301
8 Insulating sleeve		DIX IH 340	629060341038
9 Torch neck, with pos. 8	45°	DIX 6-2-340C 45°	6290603414
10 Support ring		DIX H SR 340	629071030
11 Handle		DIX H S 2	629071038
12 Micro switch		DIX 8-2	629080000
13 Trigger		DIX S5	629071147
Switch mount, not shown		DIX BR 8-2	629071032

-- Enter the required wire diameter, e.g.: 10 = 1.0 mm or 12 = 1.2 mm.

► Standard equipment for wire diameter 1.0 mm steel with gas nozzle DIX 1-2-313 TR, contact tip DIX 3-2-1.0, tip adapter DIX GS 300 M6 and liner DIX DSC 4.5/2.2. Variants deviating of the standard fittings on request.

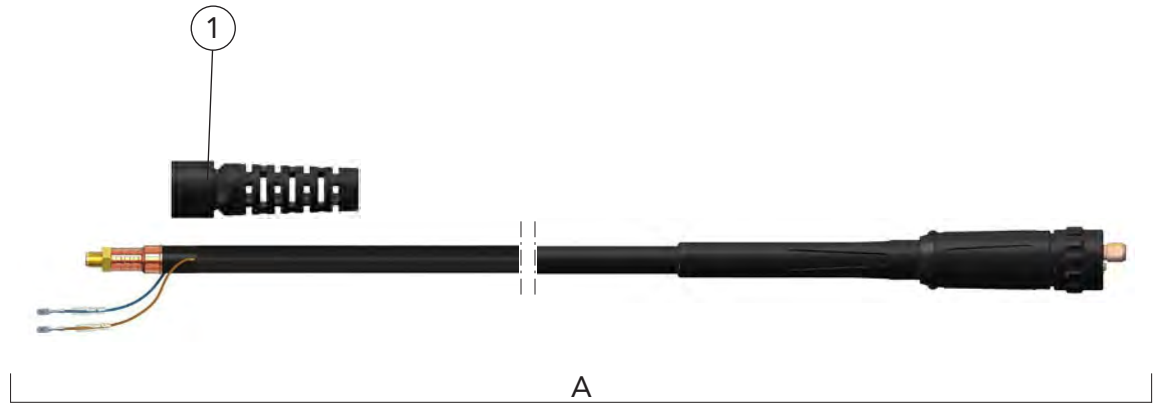




Spare parts and wear parts

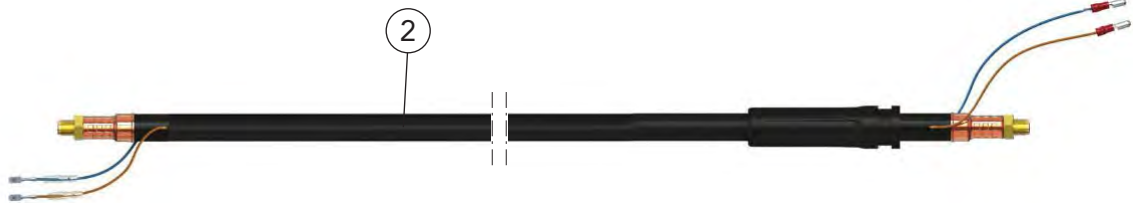
Torch sets DIX MQ 340C.neo SA Basic torch sets MXS 300C SA

1



Torch view

Plug view



	Description	Dimension	Part name	Part number
A	Basic torch set, without pos. 1		DIX MXS 300C-3 SA	6202130331
	Basic torch set, without pos. 1		DIX MXS 300C-4 SA	6202130341
	Basic torch set, without pos. 1		DIX MXS 300C-5 SA	6202130351
1	Ball joint complete		DIX BJ 2-20	629071049
2	Coaxial cable	3.0 m	DIX VLMR 300C-3	629203530
	Coaxial cable	4.0 m	DIX VLMR 300C-4	629203540
	Coaxial cable	5.0 m	DIX VLMR 300C-5	629203550

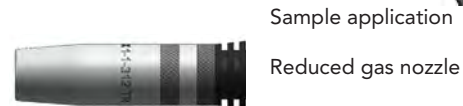
-- Standard lengths: 3.0 m, 4.0 m and 5.0 m



neo torch sets liquid-cooled DIX MQZ 230.neo (SAZ) (N) up to 270A

Properties

- ▶ High-quality ball joint with kink protection on the gun side
- ▶ Flexible supply hose
- ▶ Bend protection at the plug
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Ergonomic designed handle
- ▶ The excellent mobility of the ball joint allows fatigue-free working
- ▶ No gas losses through separate gas line
- ▶ Options:
Diameter reduced gas nozzle

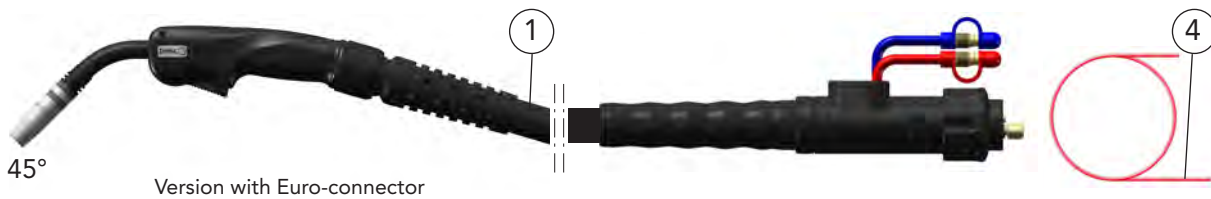


Application

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

Technical data (DIN EN 60 974-7):

CO ₂ :	duty cycle 270A/60%
Mixed gas:	250A/60%
Wire diameter:	0.8 - 1.0 mm



You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.



	Description	Dimension	Part name	Part number
1	Torch set	3.00 m	DIX MQZ 230.neo-3 SAZ	610312431
	Torch set	4.00 m	DIX MQZ 230.neo-4 SAZ	610312441
	Torch set	5.00 m	DIX MQZ 230.neo-5 SAZ	610312451
2	Torch set, not shown	3.00 m	DIX MQZ 230.neo-3	610312430
	Torch set, not shown	4.00 m	DIX MQZ 230.neo-4	610312440
	Torch set, not shown	5.00 m	DIX MQZ 230.neo-5	610312450
3	Torch set, not shown	3.00 m	DIX MQZ 230.neo-3 N	610312434
	Torch set, not shown	4.00 m	DIX MQZ 230.neo-4 N	610312444
	Torch set, not shown	5.00 m	DIX MQZ 230.neo-5 N	610312454
4	Liner	ø 1.8 mm/3.5 m	DIX DS 4/1.8-3.5	613000235
	Liner	ø 1.8 mm/4.5 m	DIX DS 4/1.8-4.5	613000245
	Liner	ø 1.8 mm/5.5 m	DIX DS 4/1.8-5.5	613000255

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



Torch sets DIX MQZ 230.neo (SAZ) (N)



Description	Dimension	Part name	Part number
1 Gas nozzle	ø 11 mm	DIX 1-1-311 TRR	6190106110
2 Gas nozzle	ø 13 mm	DIX 1-1-312 TR	6190103120
3 Gas nozzle	ø 16 mm	DIX 1-1-316 TR	6190103160
4 Contact tip	M6 x 24 mm	DIX 3-1-__	6190300__
5 Contact tip	M6 x 28 mm	DIX 3-2-__	6290300__
Contact tip	M6 x 28 mm	DIX 3-2-__ CR-ZR	6290330__
6 Tip adapter	M6	DIX 4-1-K	619040010
7 Tip adapter	M6	DIX 4-1-L	619040020
8 Insulating sleeve		DIX 10-1-222	619100202
9 Torch neck	45°	DIX 6-1-230.neo Z 45°	6190620234
10 Support ring		DIX H SR 340	629071030
11 Handle		DIX H S 2	629071038
12 Trigger		DIX S5	629071147
13 Micro switch		DIX 8-2	629080000
Switch mount, not shown		DIX BR 8-2	629071032

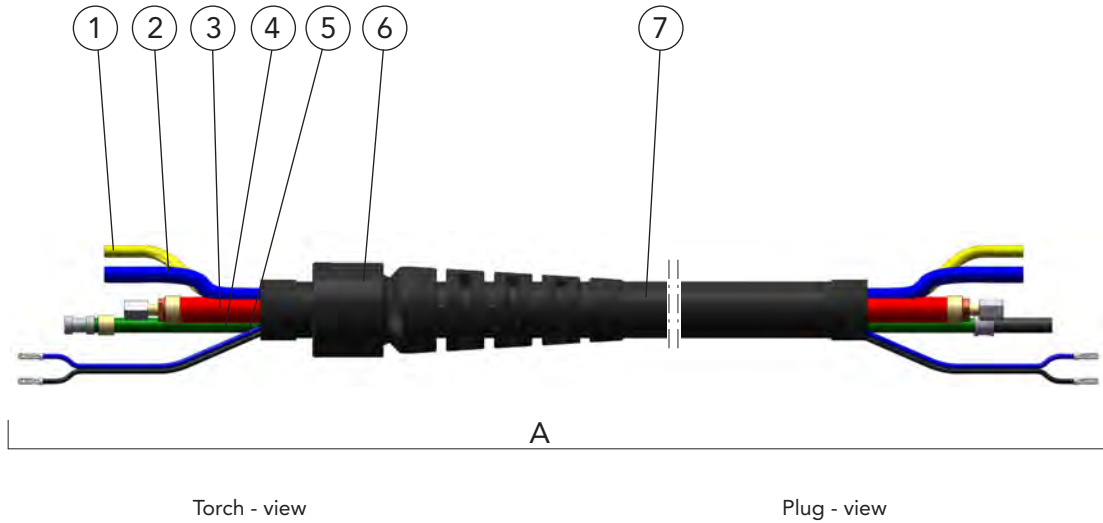
-- Enter the required wire diameter, e.g.: 08 = 0.8 mm or 10 = 1.0 mm.

- Standard equipment for wire diameter 1.0 mm steel with gas nozzle DIX 1-1-312 TR, contact tip DIX 3-1-1.0 tip adapter DIX 4-1-K and liner DIX DS 4/1.8. Variants deviating of the standard fittings on request.



Torch sets DIX MQZ 230.neo (SAZ) (N) Supply hose

1



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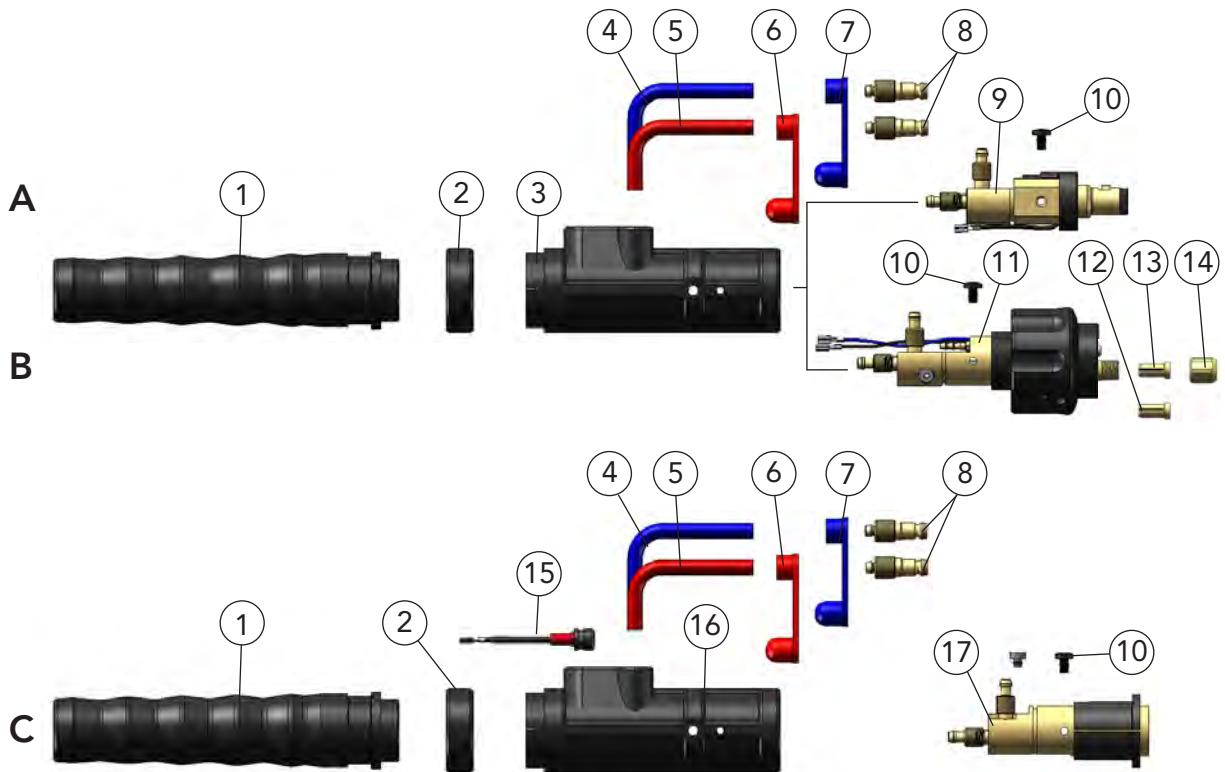
Description	Part name	Part number
A Supply hose	DIX VLMZ 301-__	6223013__
1 Gas hose	DIX VL 180-__	639186001__
2 Water hose	DIX VL 190-__ BLAU	639196001__
3 Conduit hose	DIX VLM 2010-__	6292016__
4 Combi cable	DIX 22-2-303-__	6292213__
5 Control wire	DIX VLM 211-__	6292110__
6 Ball joint complete	DIX BJ 2-30	629071048
7 Cover hose, with pos. 6	DIX VLM 331-__	6292315__

-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m, 4.0 m and 5.0 m.



Torch sets DIX MQZ 230.neo (SAZ) (N) Plug

1



OPTION You need a Power Pin / Power Pin Set for the compact plug DIX KCZME 330 N (Pos. C). You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
A Plug		DIX KCZME 330 Z	624100330
B Plug		DIX KCZME 330 SAZ	624100331
C Plug		DIX KCZME 330 N	638900043
1 Plug sleeve		DIX ME 300 SM	629120000
2 Fixing ring		DIX 12-3-510 HR	6391250013
3 Plug housing		DIX 12-3-510 SG	6391250011
4 Connection hose, blue	0.60 m	DIX VL 170 BLAU	629171003
5 Connection hose, red	0.60 m	DIX VL 171 ROT	629171004
6 Cap, red		DIX VL 173	629172002
7 Cap, blue		DIX VL 172	629172001
8 Water plug	ø 5.0 mm	DIX 16-2	629160000
9 Plug insert		DIX ME 300 SEZ	639116064
10 Holding screw (10 pcs.)		DIX ME 300 HS	629070005
11 Plug insert		DIX ME 300 SAZ	639116061
12 Clamp sleeve, without block for capillary liner		DIX 27-2 MAP	629270041
13 Clamp sleeve, with block for liner		DIX 27-2 SA	629270040
14 Clamp nut		DIX 28-2 SA	629280040
15 Plug connector		DIX CS 600 SGN	6391250021
16 Plug housing		DIX ME 600 SGN	6391250020
17 Plug insert		DIX ME 600 N	639116076



neo torch sets liquid-cooled DIX MQZ 330.neo (SAZ) (N) up to 400A

Properties

- ▶ High-quality ball joint with kink protection on the gun side
- ▶ Flexible supply hose
- ▶ Bend protection at the plug
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Ergonomic designed handle
- ▶ The excellent mobility of the ball joint allows fatigue-free working
- ▶ No gas losses through separate gas line



Version with ball joint

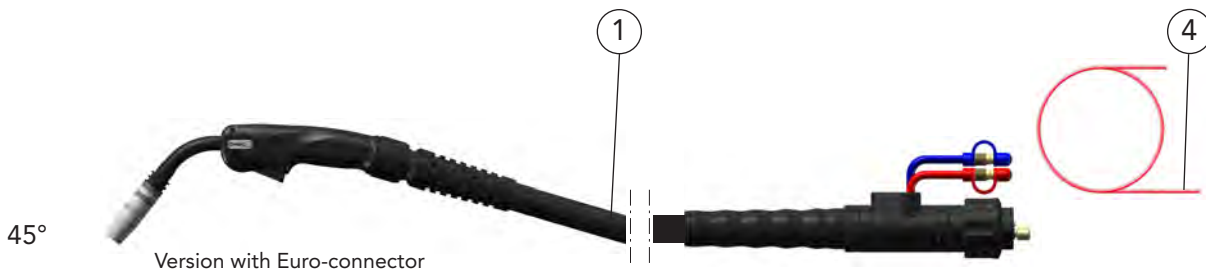
Sample application

Application

- ▶ Non- and low alloyed steels
- ▶ High alloyed steels
- ▶ Copper alloys for the MSG brazing
- ▶ Aluminium-, magnesium- and nickel alloys

Technical data (DIN EN 60 974-7):

CO ₂ :	duty cycle 400A/60%
Mixed gas:	320A/60%
Wire diameter:	1.0 - 1.2 mm



45°

Version with Euro-connector



You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.



Application sample

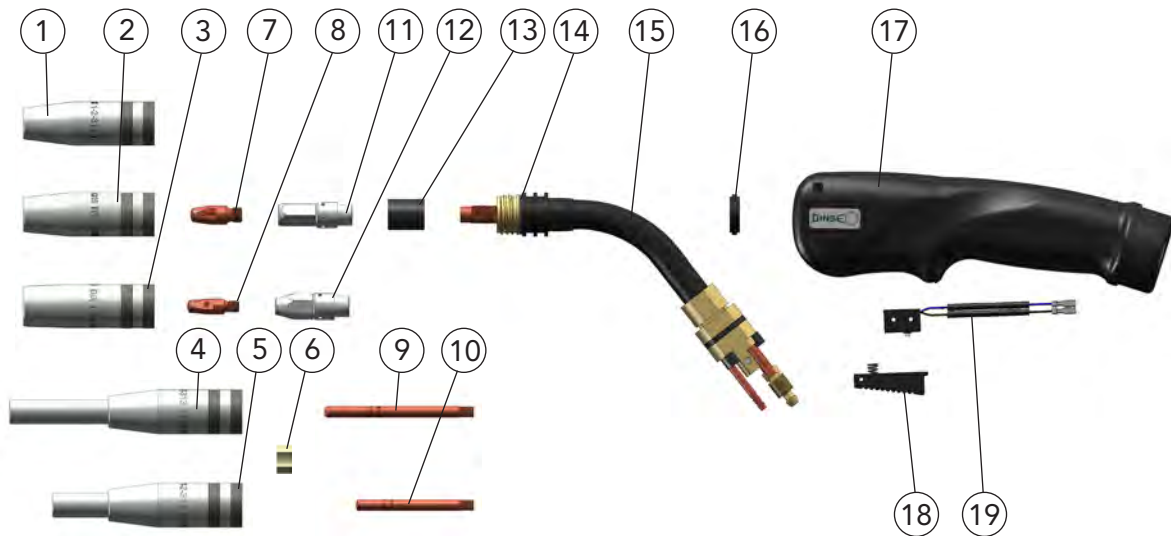
	Description	Dimension	Part name	Part number
1	Torch set	3.00 m	DIX MQZ 330.neo-3 SAZ	620313531
	Torch set	4.00 m	DIX MQZ 330.neo-4 SAZ	620313541
	Torch set	5.00 m	DIX MQZ 330.neo-5 SAZ	620313551
2	Torch set, not shown	3.00 m	DIX MQZ 330.neo-3	620313530
	Torch set, not shown	4.00 m	DIX MQZ 330.neo-4	620313540
	Torch set, not shown	5.00 m	DIX MQZ 330.neo-5	620313550
3	Torch set, not shown	3.00 m	DIX MQZ 330.neo-3 N	620313534
	Torch set, not shown	4.00 m	DIX MQZ 330.neo-4 N	620313544
	Torch set, not shown	5.00 m	DIX MQZ 330.neo-5 N	620313554
4	Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
	Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345
	Liner	ø 2.2 mm/5.5 m	DIX DS 4/2.2-5.5	623000355

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



Torch sets DIX MQZ 330.neo (SAZ) (N)



	Description	Dimension	Part name		Part number
1	Gas nozzle	ø 13 mm	DIX	1-2-313 TR	6290103130
2	Gas nozzle	ø 15 mm	DIX	1-2-315 TR	6290103150
3	Gas nozzle	ø 18 mm	DIX	1-2-318 TR	6290103180
4	Narrow gap gas nozzle*	ø 13 x 125mm	DIX	1-2-313 TR/125	6290103131
5	Narrow gap gas nozzle	ø 13 x 102mm	DIX	1-2-313 TR/102	P629010KI001
6	Centre star		DIX	1-2-010/115	62901001413
7	Contact tip	M8 x 28 mm	DIX	3-2-__ M8	6290301__
	Contact tip	M8 x 28 mm	DIX	3-2-__ M8 CR-ZR	6290331__
8	Contact tip	M6 x 28 mm	DIX	3-2-__	6290300__
	Contact tip	M6 x 28 mm	DIX	3-2-__ CR-ZR	6290330__
9	Contact tip, for pos. 4*	M6 x 80 mm	DIX	3-1-__ /80	6190394__
10	Contact tip, for pos. 5	M6 x 63 mm	DIX	3-1-1.2/63	P619039HM003
11	Tip adapter	M8	DIX	4-2-K M8	629040110
12	Tip adapter	M6	DIX	4-2-K M6	629040010
13	Insulating sleeve		DIX	10-2	629100000
14	O-Ring 19x1.5	(10 pcs.)			629073901
15	Torch neck	45°	DIX	6-2-330.neo Z 45°	62906233145
16	Support ring		DIX	H SR 340	629071030
17	Handle		DIX	H S 2	629071038
18	Trigger		DIX	S5	629071147
19	Micro switch		DIX	8-2	629080000
	Switch mount, not shown		DIX	BR 8-2	629071032

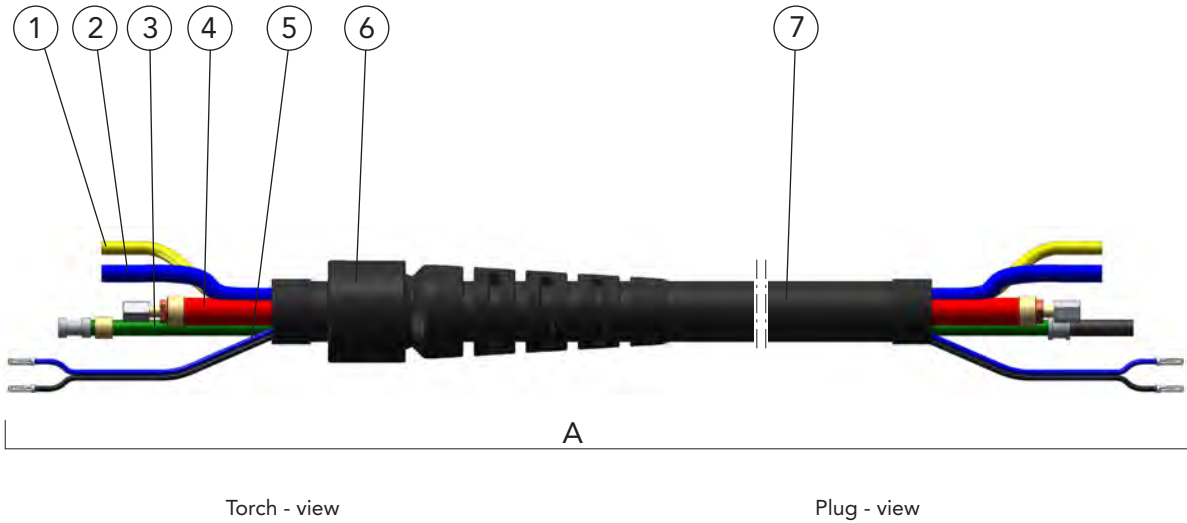
* Only in conjunction with tip adapter 4-2-K M6, pos. 12.

-- Enter the required wire diameter, e.g.: 10 = 1.0 mm or 12 = 1.2 mm.

► Standard equipment for wire diameter 1.2 mm steel with gas nozzle DIX 1-2-315 TR, contact tip DIX 3-2-1.2 M8, tip adapter DIX 4-2-K M8 and liner DIX DS 4/2.2. Variants deviating of the standard fittings on request.



Torch sets DIX MQZ 330.neo (SAZ) (N) Supply hose



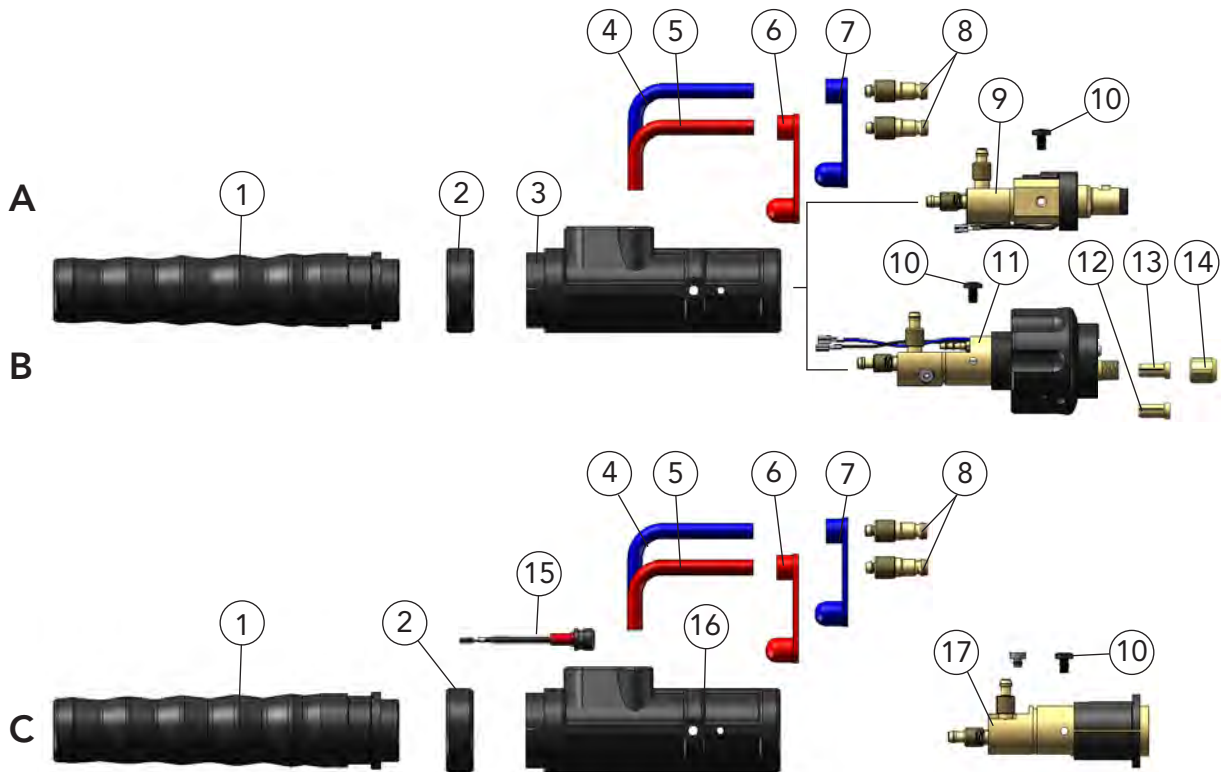
Description	Part name	Part number
A Supply hose	DIX VLMZ 301-__	6223013__
1 Gas hose	DIX VL 180-__	639186001__
2 Water hose	DIX VL 190-__ BLAU	639196001__
3 Conduit hose	DIX VLM 2010-__	6292016__
4 Combi cable	DIX 22-2-303-__	6292213__
5 Control wire	DIX VLM 211-__	6292110__
6 Ball joint complete	DIX BJ 2-30	629071048
7 Cover hose, with pos. 6	DIX VLM 331-__	6292315__

-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m, 4.0 m and 5.0 m.



Torch sets DIX MQZ 330.neo (SAZ) (N) Plug

1



NOTE You need a Power Pin / Power Pin Set for the compact plug DIX KCZME 330 N (Pos. C). You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
A Plug		DIX KCZME 330 Z	624100330
B Plug		DIX KCZME 330 SAZ	624100331
C Plug		DIX KCZME 330 N	638900043
1 Plug sleeve		DIX ME 300 SM	629120000
2 Fixing ring		DIX 12-3-510 HR	6391250013
3 Plug housing		DIX 12-3-510 SG	6391250011
4 Connection hose, blue	0.60 m	DIX VL 170 BLAU	629171003
5 Connection hose, red	0.60 m	DIX VL 171 ROT	629171004
6 Cap, red		DIX VL 173	629172002
7 Cap, blue		DIX VL 172	629172001
8 Water plug	ø 5.0 mm	DIX 16-2	629160000
9 Plug insert		DIX ME 300 SEZ	639116064
10 Holding screw (10 pcs.)		DIX ME 300 HS	629070005
11 Plug insert		DIX ME 300 SAZ	639116061
12 Clamp sleeve, without block for capillary liner		DIX 27-2 MAP	629270041
13 Clamp sleeve, with block for liner		DIX 27-2 SA	629270040
14 Clamp nut		DIX 28-2 SA	629280040
15 Plug connector		DIX CS 600 SGN	6391250021
16 Plug housing		DIX ME 600 SGN	6391250020
17 Plug insert		DIX ME 600 N	639116076



neo torch sets liquid-cooled DIX MQZ 304.neo (SAZ) (N) up to 500A



Properties

- ▶ High-quality ball joint with kink protection on the gun side
- ▶ Flexible supply hose
- ▶ Bend protection at the plug
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Ergonomic designed handle
- ▶ The excellent mobility of the ball joint allows fatigue-free working
- ▶ No gas losses through separate gas line



Version with ball joint

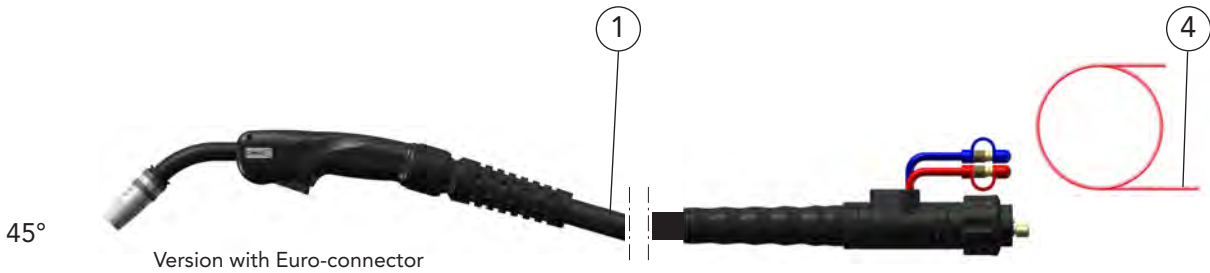
Sample application

Application

- ▶ Non- and low alloyed steels
- ▶ High alloyed steels
- ▶ Copper alloys for the MSG brazing
- ▶ Aluminum-, magnesium- and nickel alloys

Technical data (DIN EN 60 974-7):

Dual-circuit liquid cooled	
CO ₂ :	duty cycle 500A/60%
Mixed gas:	450A/60%
Wire diameter:	0.8 - 1.6 mm



45°

Version with Euro-connector

OPTZ- You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.



Application sample

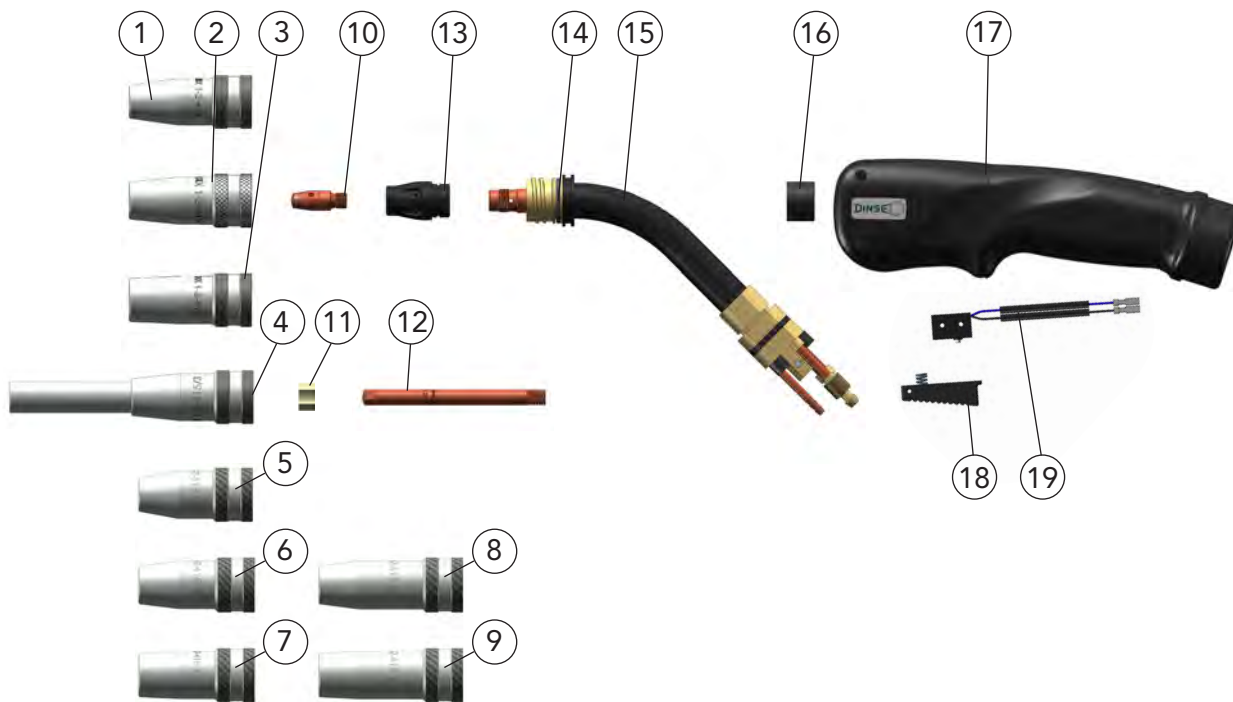
	Description	Dimension	Part name	Part number
1	Torch set	3.00 m	DIX MQZ 304.neo-3 SAZ	620324431
	Torch set	4.00 m	DIX MQZ 304.neo-4 SAZ	620324441
	Torch set	5.00 m	DIX MQZ 304.neo-5 SAZ	620324451
2	Torch set, not shown	3.00 m	DIX MQZ 304.neo-3	620324430
	Torch set, not shown	4.00 m	DIX MQZ 304.neo-4	620324440
	Torch set, not shown	5.00 m	DIX MQZ 304.neo-5	620324450
3	Torch set, not shown	3.00 m	DIX MQZ 304.neo-3 N	620324434
	Torch set, not shown	4.00 m	DIX MQZ 304.neo-4 N	620324444
	Torch set, not shown	5.00 m	DIX MQZ 304.neo-5 N	620324454
4	Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
	Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345
	Liner	ø 2.2 mm/5.5 m	DIX DS 4/2.2-5.5	623000355

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



Torch sets DIX MQZ 304.neo (SAZ) (N)



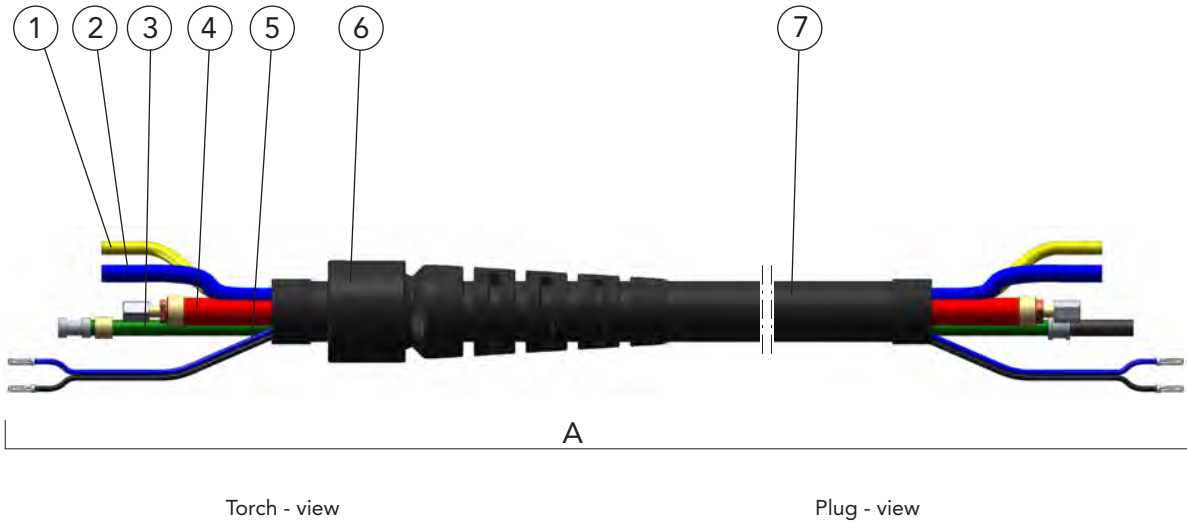
Description	Dimension (mm)	Part name	Part number
1 Gas nozzle	∅ 13 x 62	DIX 1-2-413	629010413
2 Gas nozzle	∅ 15 x 62	DIX 1-2-415	629010415
3 Gas nozzle	∅ 18 x 62	DIX 1-2-418	629010418
4 Narrow gap gas nozzle	∅ 15 x 124	DIX 1-2-415/3	6290104153
5 Gas nozzle	∅ 13 x 57	DIX 1-2-413 K	629010403
6 Gas nozzle	∅ 15 x 58	DIX 1-2-415 K	629010405
7 Gas nozzle	∅ 18 x 58	DIX 1-2-418 K	629010408
8 Gas nozzle	∅ 15 x 72	DIX 1-2-415 L	6290104152
9 Gas nozzle	∅ 18 x 72	DIX 1-2-418 L	6290104182
10 Contact tip	M8 x 28	DIX 3-2-__ M8	6290301__
Contact tip	M8 x 28	DIX 3-2-__ M8 CR-ZR	6290331__
11 Centre star		DIX 3-2-STERN	P629039HM011
12 Contact tip, for pos. 4	M8 x 93	DIX 3-2-__ M8/93	629039010__
13 Gas diffuser		DIX 10-2-304	629100324
14 O-Ring 19x2	(10 pcs.)		629061005
15 Torch neck	45°	DIX 6-2-304.neo Z 45°	629062340
16 Support ring		DIX SR 2	629071039
17 Handle		DIX H S 2	629071038
18 Trigger		DIX S5	629071147
19 Micro switch		DIX 8-2	629080000
Switch mount, not shown		DIX BR 8-2	629071032

-- Enter the required wire diameter, e.g.: 10 = 1.0 mm or 12 = 1.2 mm.



► Standard equipment for wire diameter 1.2 mm steel with gas nozzle DIX 1-2-415, contact tip DIX 3-2-1.2 M8 and liner DIX DS 4/2.2.
Variants deviating of the standard fittings on request.

Torch sets DIX MQZ 304. neo (SAZ) (N) Supply hose



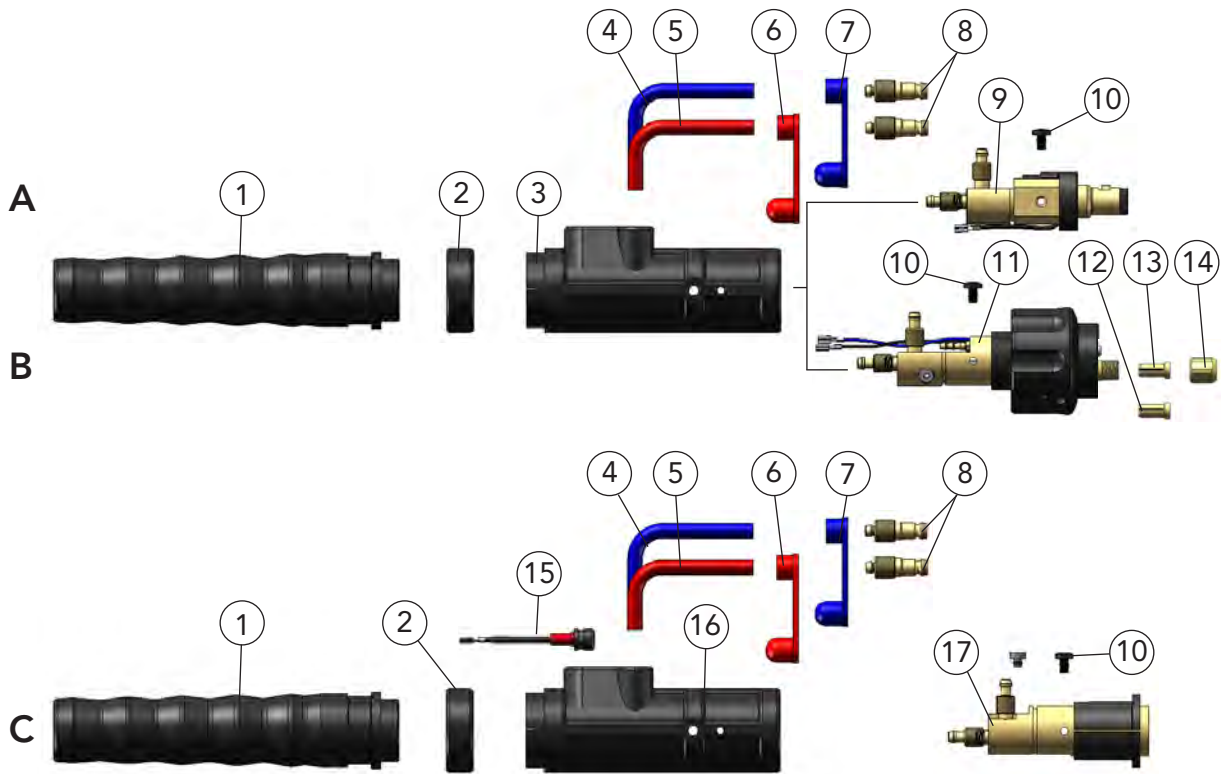
Description	Part name	Part number
A Supply hose	DIX VLMZ 301-__	6223013__
1 Gas hose	DIX VL 180-__	639186001__
2 Water hose	DIX VL 190-__ BLAU	639196001__
3 Conduit hose	DIX VLM 2010-__	6292016__
4 Combi cable	DIX 22-2-303-__	6292213__
5 Control wire	DIX VLM 211-__	6292110__
6 Ball joint complete	DIX BJ 2-30	629071048
7 Cover hose, with pos. 6	DIX VLM 331-__	6292315__

-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m, 4.0 m and 5.0 m.



Torch sets DIX MQZ 304. neo (SAZ) (N) Plug

1



NOTE You need a Power Pin / Power Pin Set for the compact plug DIX KCZME 330 N (Pos. C). You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
A Plug		DIX KCZME 330 Z	624100330
B Plug		DIX KCZME 330 SAZ	624100331
C Plug		DIX KCZME 330 N	638900043
1 Plug sleeve		DIX ME 300 SM	629120000
2 Fixing ring		DIX 12-3-510 HR	6391250013
3 Plug housing		DIX 12-3-510 SG	6391250011
4 Connection hose, blue	0.60 m	DIX VL 170 BLAU	629171003
5 Connection hose, red	0.60 m	DIX VL 171 ROT	629171004
6 Cap, red		DIX VL 173	629172002
7 Cap, blue		DIX VL 172	629172001
8 Water plug	ø 5.0 mm	DIX 16-2	629160000
9 Plug insert		DIX ME 300 SEZ	639116064
10 Holding screw (10 pcs.)		DIX ME 300 HS	629070005
11 Plug insert		DIX ME 300 SAZ	639116061
12 Clamp sleeve, without block for capillary liner		DIX 27-2 MAP	629270041
13 Clamp sleeve, with block for liner		DIX 27-2 SA	629270040
14 Clamp nut		DIX 28-2 SA	629280040
15 Plug connector		DIX CS 600 SGN	6391250021
16 Plug housing		DIX ME 600 SGN	6391250020
17 Plug insert		DIX ME 600 N	639116076



neo torch sets liquid-cooled DIX MQZ 305.neo (SAZ) (N) up to 550A

Properties

- ▶ High-quality ball joint with kink protection on the gun side
- ▶ Optimal cooling of the gas nozzle through open cooling circuit
- ▶ Flexible supply hose
- ▶ Bend protection at the plug
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Ergonomic designed handle
- ▶ The excellent mobility of the ball joint allows fatigue-free working

Version with ball joint



Sample application



Reduced gas nozzle



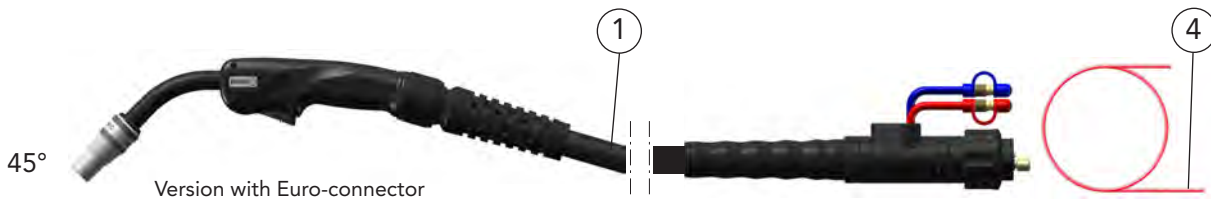
Gas nozzle with screw adapter DIX SAD 5700 (Accessories for neo torch sets)

Application

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

Technical data (DIN EN 60 974-7):

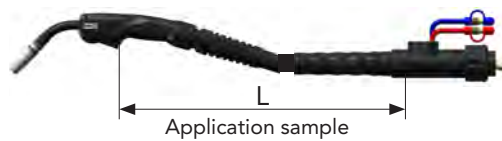
Dual-circuit liquid cooled	
CO ₂ :	duty cycle 550A/60%
Mixed gas:	500A/60%
Wire diameter:	1.2 - 2.0 mm



Version with Euro-connector



You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.



Application sample

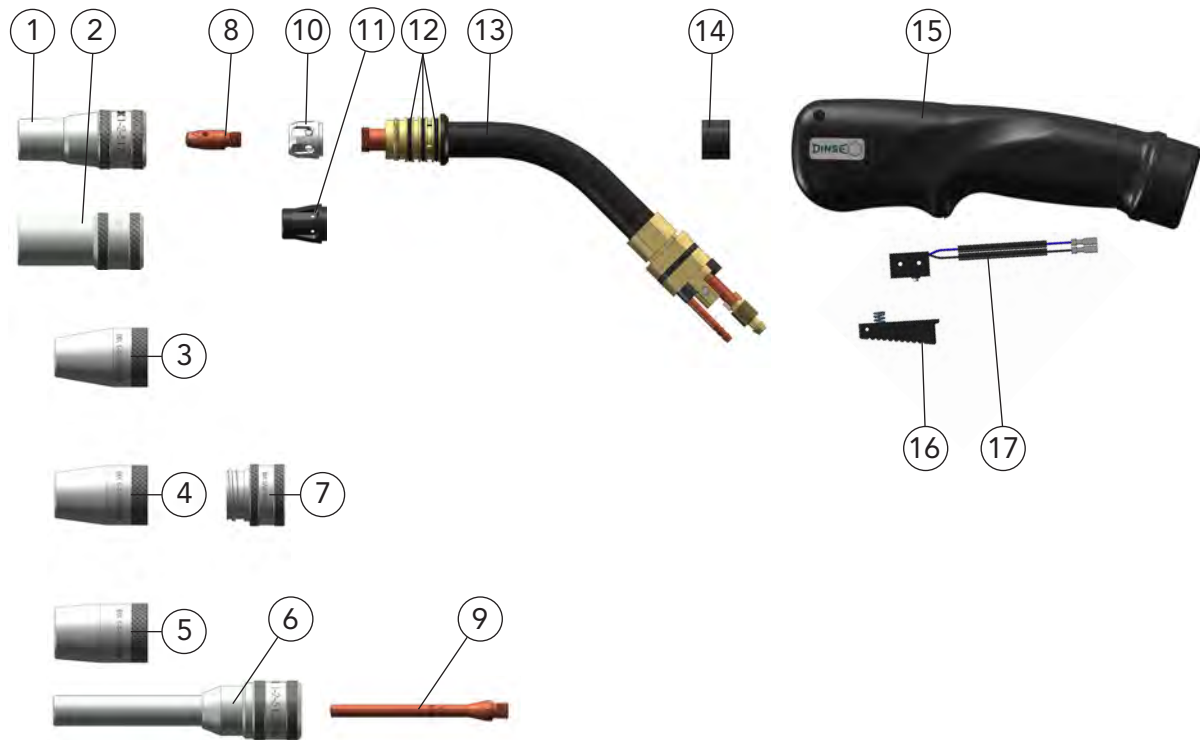
	Description	Dimension	Part name	Part number
1	Torch set	3.00 m	DIX MQZ 305.neo-3 SAZ	620315631
	Torch set	4.00 m	DIX MQZ 305.neo-4 SAZ	620315641
	Torch set	5.00 m	DIX MQZ 305.neo-5 SAZ	620315651
2	Torch set, not shown	3.00 m	DIX MQZ 305.neo-3	620315630
	Torch set, not shown	4.00 m	DIX MQZ 305.neo-4	620315640
	Torch set, not shown	5.00 m	DIX MQZ 305.neo-5	620315650
3	Torch set, not shown	3.00 m	DIX MQZ 305.neo-3 N	620315634
	Torch set, not shown	4.00 m	DIX MQZ 305.neo-4 N	620315644
	Torch set, not shown	5.00 m	DIX MQZ 305.neo-5 N	620315654
4	Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
	Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345
	Liner	ø 2.2 mm/5.5 m	DIX DS 4/2.2-5.5	623000355

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



Torch sets DIX MQZ 305.neo (SAZ) (N)



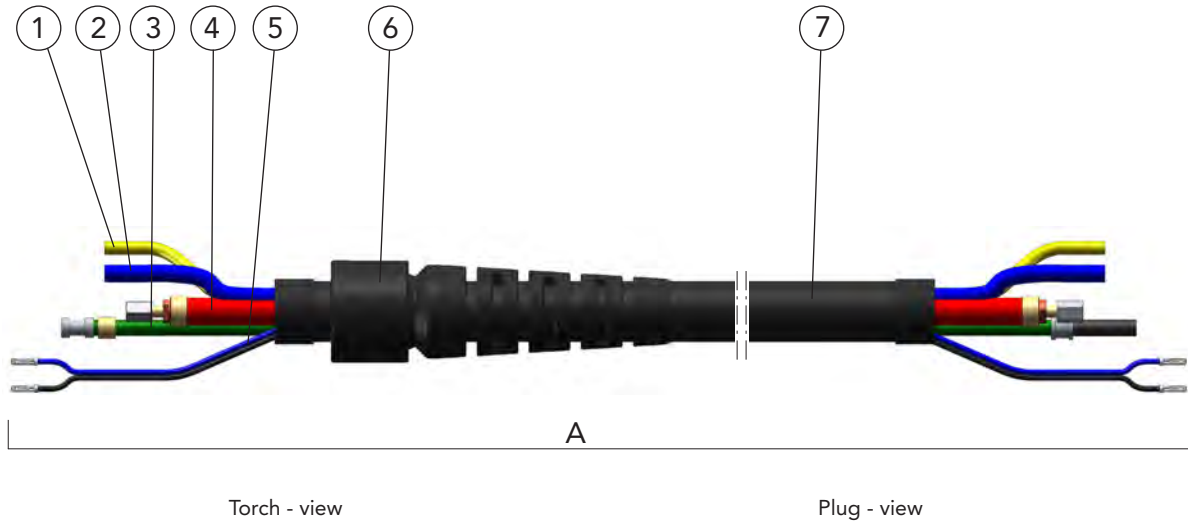
	Description	Dimension	Part name	Part number
1	Gas nozzle	ø 17 mm	DIX 1-2-517	629010517
	Gas nozzle, plug-in type	ø 17 mm	DIX 1-2-517 OG	6290105171
2	Gas nozzle	ø 21 mm	DIX 1-2-521	629010521
3	Gas nozzle, for pos. 7	ø 15 mm	DIX 1-3-5715 SAD	6390257157
4	Gas nozzle, for pos. 7	ø 18 mm	DIX 1-3-5718 SAD	6390257187
5	Gas nozzle, for pos. 7	ø 21 mm	DIX 1-3-5721 SAD	6390257217
6	Narrow gap gas nozzle, plug-in type	ø 15 x 125 mm	DIX 1-2-511/125 OG	6290191518
	Narrow gap gas nozzle	ø 15 x 125 mm	DIX 1-2-512/125	6290191528
7	Screw adapter		DIX SAD 5700	628145700
8	Contact tip	M8 x 28 mm	DIX 3-2-__ M8	6290301__
	Contact tip	M8 x 28 mm	DIX 3-2-__ M8 CR-ZR	6290331__
9	Contact tip, for pos. 6	M8 x 90 mm	DIX 3-2-__ M8/90	6290337__2
10	Gas diffuser, ceramic		DIX 10-2- 305 K	6291003051
11	Gas diffuser		DIX 10-2-305	6291003052
12	O - Ring, 18x2 mm	(12 pcs.)		639060005
13	Torch neck	45°	DIX 6-2-305.neo Z 45°	629062350
14	Support ring		DIX SR 2	629071039
15	Handle		DIX H S 2	629071038
16	Trigger		DIX S5	629071147
17	Micro switch		DIX 8-2	629080000
	Switch mount, not shown		DIX BR 8-2	629071032

-- Enter the required wire diameter, e.g.: 10 = 1.0 mm or 12 = 1.2 mm. Cooling jacket with screw adapter DIX SAD 5700 for direct liquid cooling for extreme cases of application.

► Standard equipment for wire diameter 1.2 mm steel with gas nozzle diameter 17 mm, gas nozzle DIX 1-2-517. contact tip DIX 3-2-1.2 M8. gas diffuser DIX 10-2-305 K, liner DIX DS 4/2.2. Variants deviating of the standard fittings on request.



Torch sets DIX MQZ 305.neo (SAZ) (N) Supply hose



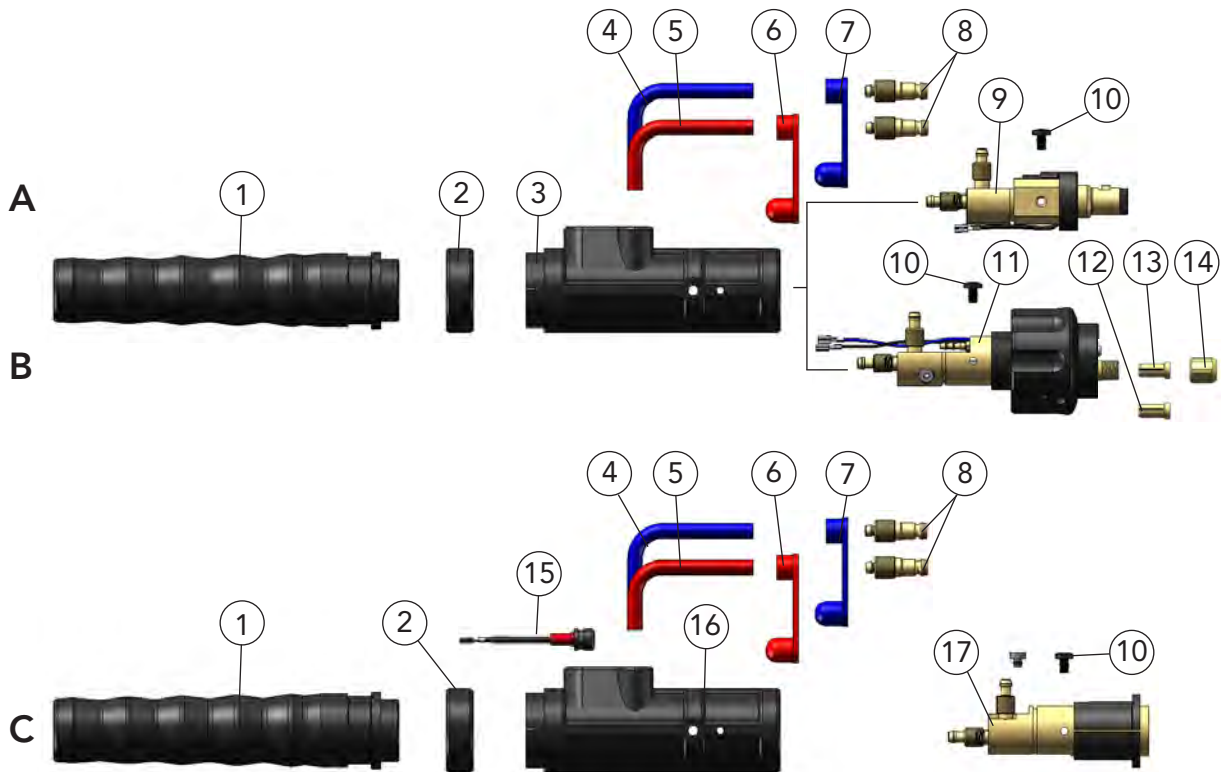
Description	Part name	Part number
A Supply hose	DIX VLMZ 301-__	6223013__
1 Gas hose	DIX VL 180-__	639186001__
2 Water hose	DIX VL 190-__ BLAU	639196001__
3 Conduit hose	DIX VLM 2010-__	6292016__
4 Combi cable	DIX 22-2-303-__	6292213__
5 Control wire	DIX VLM 211-__	6292110__
6 Ball joint complete	DIX BJ 2-30	629071048
7 Cover hose, with pos. 6	DIX VLM 331-__	6292315__

-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m, 4.0 m and 5.0 m.



Torch sets DIX MQZ 305.neo (SAZ) (N) Plug

1



NOTE You need a Power Pin / Power Pin Set for the compact plug DIX KCZME 330 N (Pos. C). You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

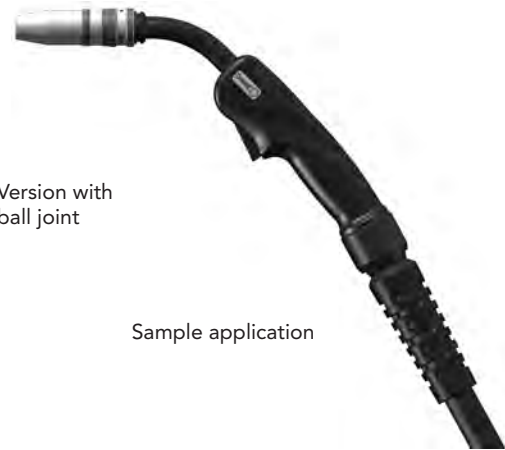
Description	Dimension	Part name	Part number
A Plug		DIX KCZME 330 Z	624100330
B Plug		DIX KCZME 330 SAZ	624100331
C Plug		DIX KCZME 330 N	638900043
1 Plug sleeve		DIX ME 300 SM	629120000
2 Fixing ring		DIX 12-3-510 HR	6391250013
3 Plug housing		DIX 12-3-510 SG	6391250011
4 Connection hose, blue	0.60 m	DIX VL 170 BLAU	629171003
5 Connection hose, red	0.60 m	DIX VL 171 ROT	629171004
6 Cap, red		DIX VL 173	629172002
7 Cap, blue		DIX VL 172	629172001
8 Water plug	ø 5.0 mm	DIX 16-2	629160000
9 Plug insert		DIX ME 300 SEZ	639116064
10 Holding screw (10 pcs.)		DIX ME 300 HS	629070005
11 Plug insert		DIX ME 300 SAZ	639116061
12 Clamp sleeve, without block for capillary liner		DIX 27-2 MAP	629270041
13 Clamp sleeve, with block for liner		DIX 27-2 SA	629270040
14 Clamp nut		DIX 28-2 SA	629280040
15 Plug connector		DIX CS 600 SGN	6391250021
16 Plug housing		DIX ME 600 SGN	6391250020
17 Plug insert		DIX ME 600 N	639116076



neo torch sets liquid-cooled DIX MQZ 306.neo (SAZ) (N) up to 550A

Properties

- ▶ High-quality ball joint with kink protection on the gun side
- ▶ Flexible supply hose
- ▶ Bend protection at the plug
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Ergonomic designed handle
- ▶ The excellent mobility of the ball joint allows fatigue-free working



Version with ball joint

Sample application



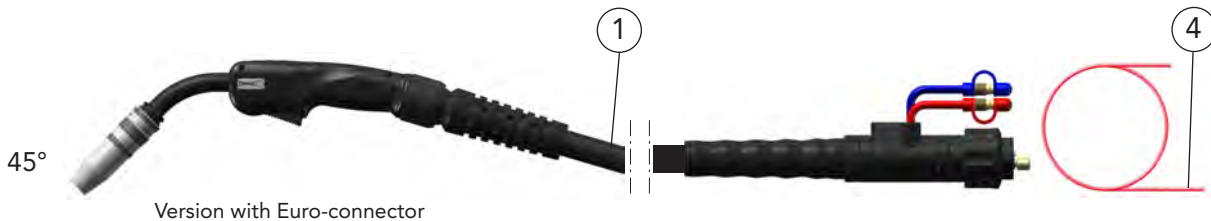
Gas nozzle with cooling jacket
DIX KM 100
(Accessories for neo torch sets)

Application

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

Technical data (DIN EN 60 974-7):

Dual-circuit liquid cooled	
CO ₂ :	duty cycle 550A/60%
Mixed gas:	500A/60%
Wire diameter:	1.2 - 2.0 mm



Version with Euro-connector

DINSE You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.



Application sample

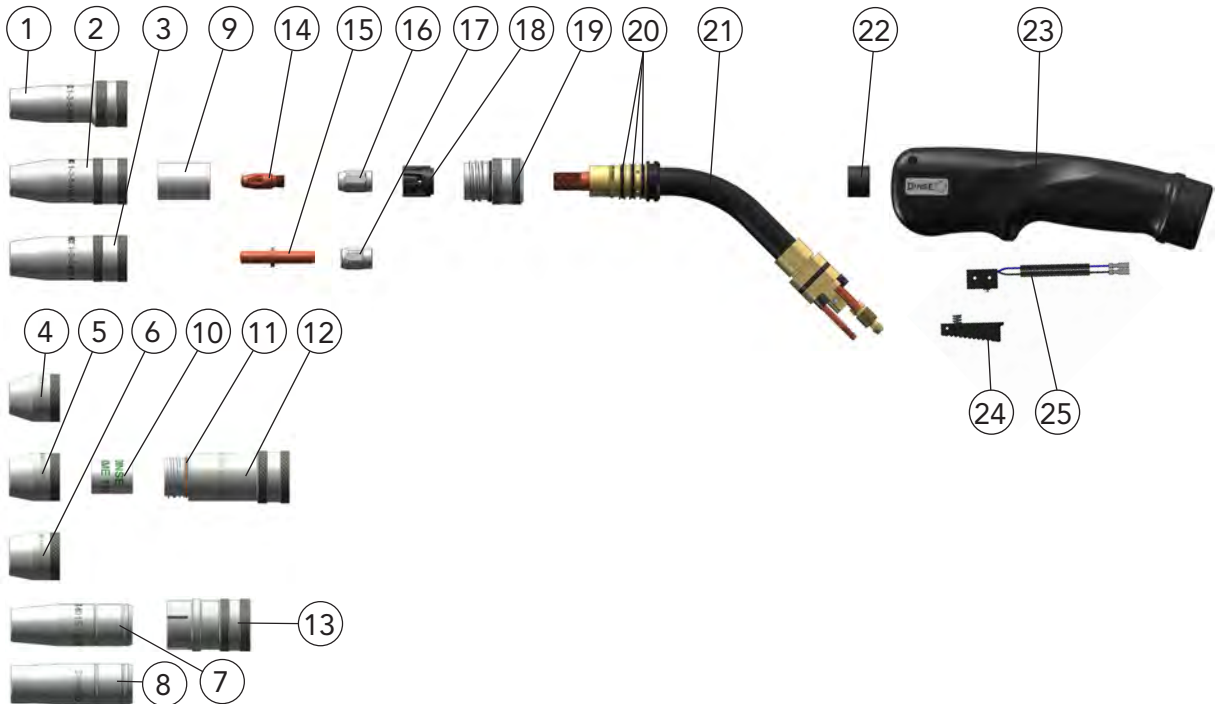
	Description	Dimension	Part name	Part number
1	Torch set	3.00 m	DIX MQZ 306.neo-3 SAZ	620316431
	Torch set	4.00 m	DIX MQZ 306.neo-4 SAZ	620316441
	Torch set	5.00 m	DIX MQZ 306.neo-5 SAZ	620316451
2	Torch set, not shown	3.00 m	DIX MQZ 306.neo-3	620316430
	Torch set, not shown	4.00 m	DIX MQZ 306.neo-4	620316440
	Torch set, not shown	5.00 m	DIX MQZ 306.neo-5	620316450
3	Torch set, not shown	3.00 m	DIX MQZ 306.neo-3 N	620316434
	Torch set, not shown	4.00 m	DIX MQZ 306.neo-4 N	620316444
	Torch set, not shown	5.00 m	DIX MQZ 306.neo-5 N	620316454
4	Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
	Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345
	Liner	ø 2.2 mm/5.5 m	DIX DS 4/2.2-5.5	623000355

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



Torch sets DIX MQZ 306.neo (SAZ) (N)

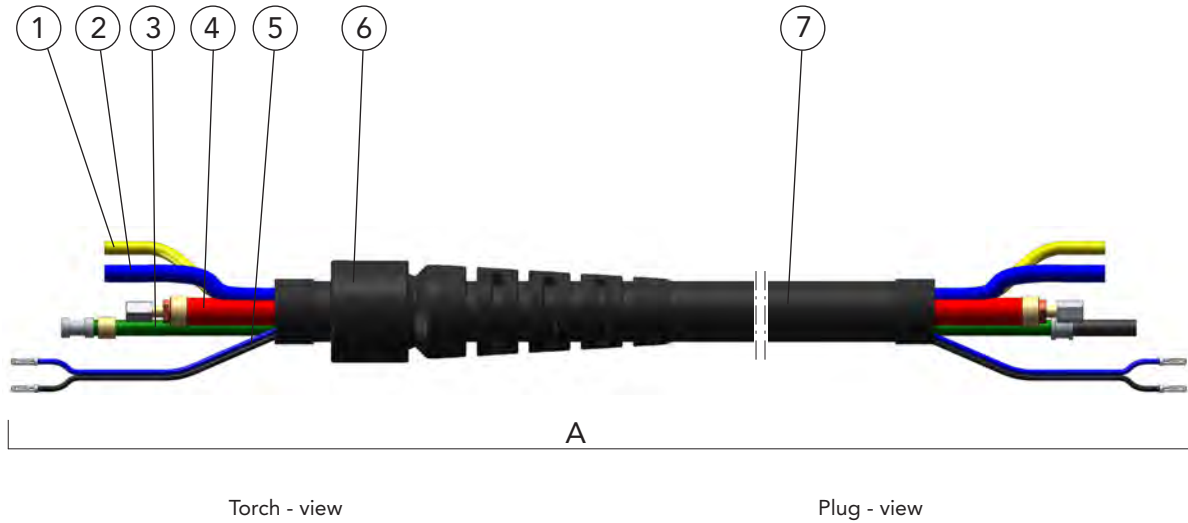


	Description	Dimension	Part name	Part number
1	Gas nozzle, Outside diameter reduced	ø 15 mm	DIX 1-3-5415 AR	6390154155
2	Gas nozzle	ø 15 mm	DIX 1-3-5415 A	6390154150
3	Gas nozzle	ø 18 mm	DIX 1-3-5418 A	6390154180
4	Gas nozzle, for pos. 12	ø 15 mm	DIX KMG 115 TR	628040315
5	Gas nozzle, for pos. 12	ø 18 mm	DIX KMG 118 TR	628040318
6	Gas nozzle, for pos. 12	ø 21 mm	DIX KMG 121 TR	628040321
7	Gas nozzle, pluggable, for Pos. 13	ø 15 mm	DIX 1-2-4015	629010015
8	Gas nozzle, pluggable, for Pos. 13	ø 18 mm	DIX 1-2-4018	629010018
9	Insulator, for pos. 2 and 3		DIX 2-3-500	6390250000
10	Cooling jacket insulator, for pos. 12		DIX KME 110	628040303
11	O-Ring, 23x1.5 VITON	(10 pcs.)		629110904
12	Cooling jacket, complete with O-Ring		DIX KM 100	628040301
13	Clamp sleeve, for Pos. 7+8		DIX KAD 4040	629051400
14	Contact tip	M8 x 28 mm	DIX 3-2-__ M8	6290301__
	Contact tip	M8 x 28 mm	DIX 3-2-__ M8 CR-ZR	6290331__
15	Contact tip	ø 8 x 45 mm	DIX 3-2-__ SR	6290354__
16	Tip adapter	M8	DIX GS 2-M8	628150008
14	Clamp nut		DIX 4-2-MAS	6390454000
18	Gas diffuser		DIX 10-3-540	6391054000
19	Screw adapter		DIX SAD 2-404/540	628140000
20	O-Ring 18x2	(12 pcs.)		639060005
21	Torch neck	45°	DIX 6-2-306.neo Z 45°	629062360
22	Support ring		DIX SR 2	629071039
23	Handle		DIX H S 2	629071038
24	Trigger		DIX S5	629071147
25	Micro switch		DIX 8-2	629080000
	Switch mount, not shown		DIX BR 8-2	629071032

-- Enter the required wire diameter, e.g.: 12 = 1.2 mm or 16 = 1.6 mm.

- ▶ Standard equipment for wire diameter 1.2 mm steel, gas nozzle DIX 1-3-5415 A with screw adapter DIX SAD 2-404/540, contact tip DIX 3-2-1.2 M8, tip adapter DIX GS 2-M8, liner DIX DS 4/2.2. Variants deviating of the standard fittings on request. Cooling jacket with direct liquid cooling for extreme cases of application.

Torch sets DIX MQZ 306.neo (SAZ) (N) Supply hose

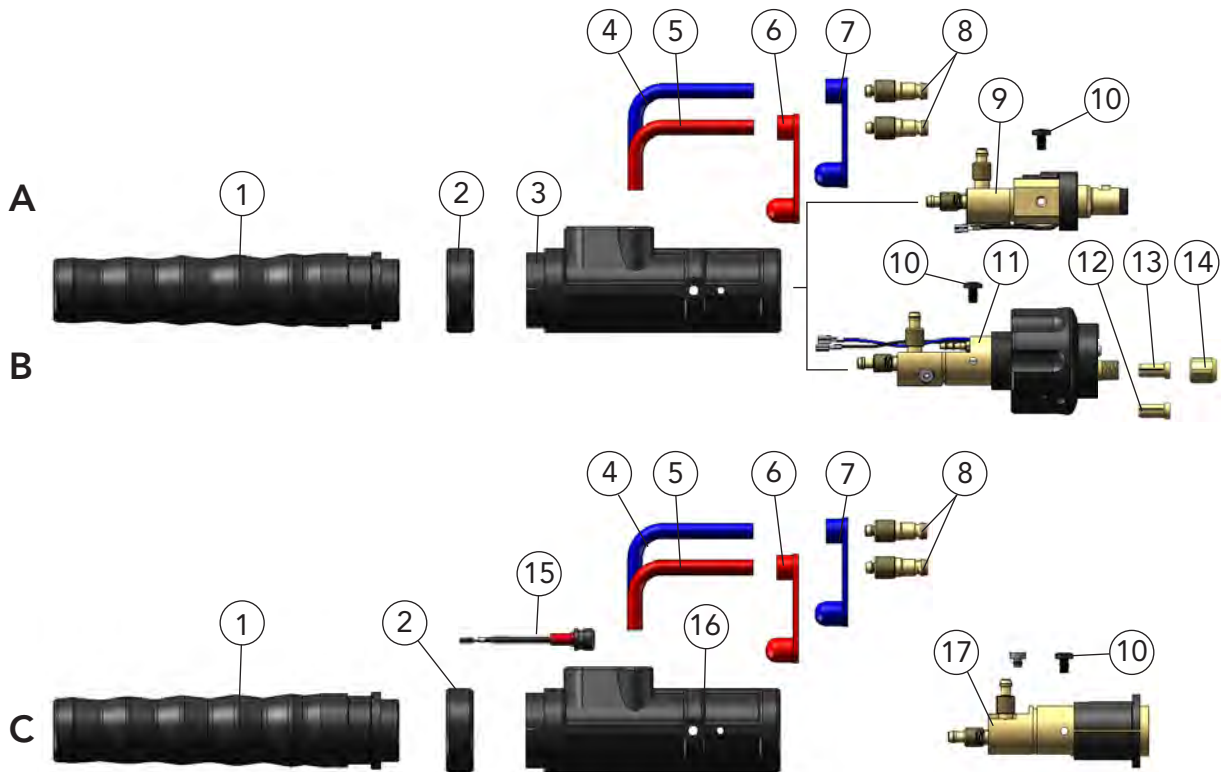


Description	Part name	Part number
A Supply hose	DIX VLMZ 301-__	6223013__
1 Gas hose	DIX VL 180-__	639186001__
2 Water hose	DIX VL 190-__ BLAU	639196001__
3 Conduit hose	DIX VLM 2010-__	6292016__
4 Combi cable	DIX 22-2-303-__	6292213__
5 Control wire	DIX VLM 211-__	6292110__
6 Ball joint complete	DIX BJ 2-30	629071048
7 Cover hose, with pos. 6	DIX VLM 331-__	6292315__

-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m oder 40 = 4.0 m.
Standard lengths: 3.0 m, 4.0 m and 5.0 m.



Torch sets DIX MQZ 306.neo (SAZ) (N) Plug



OPTION You need a Power Pin / Power Pin Set for the compact plug DIX KCZME 330 N (Pos. C). You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
A Plug		DIX KCZME 330 Z	624100330
B Plug		DIX KCZME 330 SAZ	624100331
C Plug		DIX KCZME 330 N	638900043
1 Plug sleeve		DIX ME 300 SM	629120000
2 Fixing ring		DIX 12-3-510 HR	6391250013
3 Plug housing		DIX 12-3-510 SG	6391250011
4 Connection hose, blue	0.60 m	DIX VL 170 BLAU	629171003
5 Connection hose, red	0.60 m	DIX VL 171 ROT	629171004
6 Cap, red		DIX VL 173	629172002
7 Cap, blue		DIX VL 172	629172001
8 Water plug	ø 5.0 mm	DIX 16-2	629160000
9 Plug insert		DIX ME 300 SEZ	639116064
10 Holding screw (10 pcs.)		DIX ME 300 HS	629070005
11 Plug insert		DIX ME 300 SAZ	639116061
12 Clamp sleeve, without block for capillary liner		DIX 27-2 MAP	629270041
13 Clamp sleeve, with block for liner		DIX 27-2 SA	629270040
14 Clamp nut		DIX 28-2 SA	629280040
15 Plug connector		DIX CS 600 SGN	6391250021
16 Plug housing		DIX ME 600 SGN	6391250020
17 Plug insert		DIX ME 600 N	639116076



neo PUSH-PULL System liquid-cooled DIX MPZ.neo for MQFZ 304(330).neo SADZ Torch sets

Technical data (IEC 60 974-5):

Drive unit For PUSH-PULL	MPZ.neo
Wire feed speed:	0 - 20.0 m/min
Wire diameter:	ø 0.8 - 1.6 mm
Dimension (L/W/H):	220/70/78 mm
Weight (without torch set):	1.45 kg



PUSH-PULL Torch set DIX MPZ.neo with interface for MQFZ. neo 304/330 SADZ Torch sets

Properties

- MIG/MAG Torch set changeable depending on the application
- Wire feeding up to 25 meters without additional wire feeder
- Integrated media guide
- Flexible supply hose
- Reliable processing of thin and kink-sensitive welding wires
- Setting the parameters directly on the housing of the push-pull unit
- No gas losses due to separate shield gas guide in the torch set
- Precise wire feed through powerful integrated Dinse wire feeder
- Integrated remote controller



PUSH-PULL System - application sample

Hint:

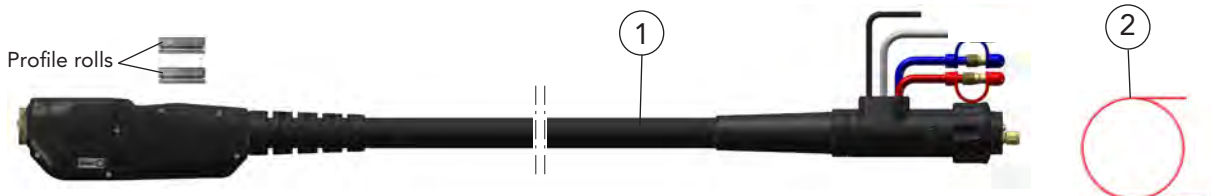
Specify the cable plug and the pin assignment of the interface of the power source, when ordering a torch set.



Application sample

Application

- Non- and low alloyed steels
- High alloyed steels
- Copper alloys for the MSG brazing
- Aluminum-, magnesium-, copper-and nickel alloys



Description	Dimension	Part name	Part number
1 Torch set With integrated wire feeder and remote controller, without profile rolls (Fitting the profile rolls you will find in Spare parts and wear parts on the following page.)	20.0 m	DIX MPZ.neo-20	620374001
2 Liner	ø 2.2 mm/50.0 m	DIX DS 4/2.2-50	623000300
Accessory:			
Circuit board set For ESS Power sources		DIX MPZ.neo APP 2V0	743000055

Hint: Standard equipment for ESS applications with cable plug (6 Pins) DIX TYP 693/6POL GERADE, cable plug (10 Pins) DIX AMPH.10-polig / AK and liner DIX DS 4/2.2.

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories

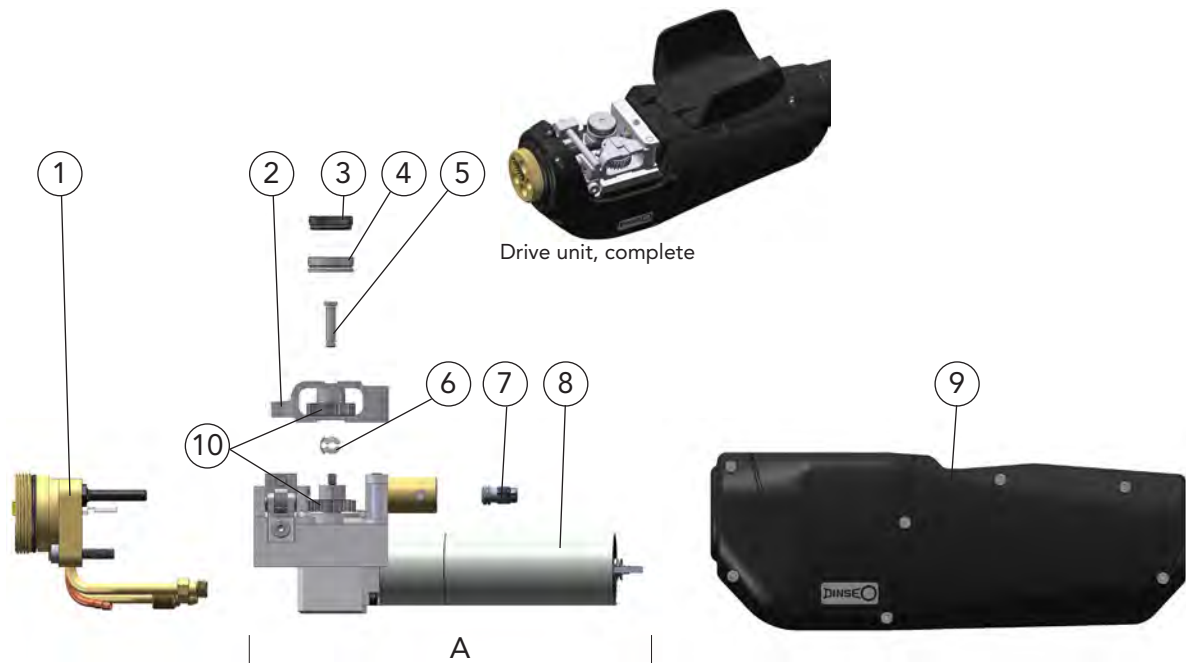
Fitting the PUSH-PULL control you will find in Accessories on the following page

- Variants deviating of the standard fittings on request.



PUSH-PULL System DIX MPZ.neo for MQFZ 304(330).neo SADZ Torch sets
Drive unit, wire feeder rolls

1



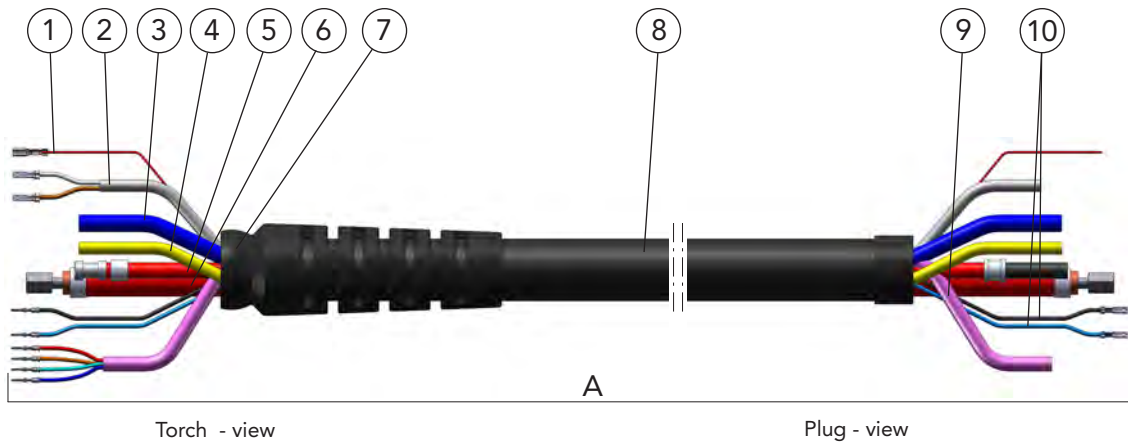
Description	Dimension	Part name		Part number
A Drive unit, without pos. 4, with pos.10		DIX	MPZ.neo FD	743000027
1 Front connection, complete		DIX	MPZ.neo FAC	743000015
2 Pressure system, with pos. 6		DIX	MPZ.neo PS	743000010
3 Retaining nut		DIX	MPZ.neo RN	743000026
Profile rolls for welding wires steel:				
4 Profile rolls	Wire-ø 0.8 mm	DIX	MPZ.neo WFR-08S	743000043
Profile rolls	Wire-ø 1.0 mm	DIX	MPZ.neo WFR-10S	743000046
Profile rolls	Wire-ø 1.2 mm	DIX	MPZ.neo WFR-12S	743000044
Profile rolls	Wire-ø 1.6 mm	DIX	MPZ.neo WFR-16S	743000045
Profile rolls for welding wires aluminum alloys:				
Profile rolls	Wire-ø 0.8 mm	DIX	MPZ.neo WFR-08A	743000054
Profile rolls	Wire-ø 1.0 mm	DIX	MPZ.neo WFR-10A	743000053
Profile rolls	Wire-ø 1.2 mm	DIX	MPZ.neo WFR-12A	743000052
Profile rolls	Wire-ø 1.6 mm	DIX	MPZ.neo WFR-16A	743000051
5 Axle pin MPZ.neo PS	(5 pcs.)	DIX	BPS	743000011
6 KL - safeguard	(5 pcs.)	DIX	MPZ.neo WFR-C	743000047
7 Clamp sleeve		DIX	SH 270	629270270
8 Motor unit		DIX	MPZ.neo MU	743000028
9 Housing, complete		DIX	MPZ.neo FC	743000048
10 Gear wheel set, not shown For pos. 2 and 8		DIX	MPZ.neo SG	743000017

► Other diameters on request.



PUSH-PULL System DIX MPZ.neo for MQFZ 304(330).neo SADZ Torch sets

Supply hose

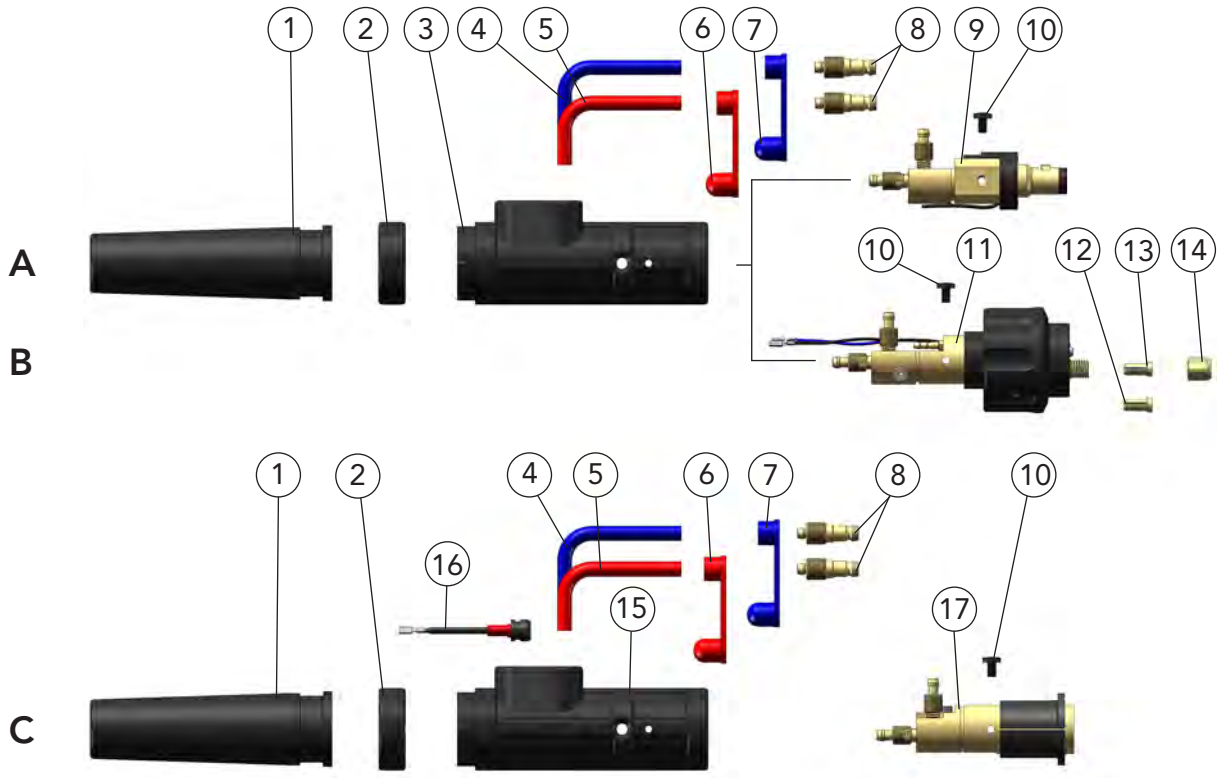


Description	Dimension	Part name	Part number
A Supply hose	20.0 m	DIX VLMPZ.neo 20	622372001
1 Control wire	20.0 m	DIX VLM 215-20	629215200
2 Control wire	20.0 m	DIX VLM 218-20	629218200
3 Water hose, blue	20.0 m	DIX VL 190-20	63919601200
4 Gas hose	20.0 m	DIX VL 180-20	639186001200
5 Conduit hose	20.0 m	DIX VLM 2015-20	629204001
6 Combi cable	20.0 m	DIX VL 220-20	639226001200
7 Ball joint		DIX BJ 2-30	629071037
8 Cover hose, with Pos. 7	20.0 m	DIX VLM 333-20	629234501
9 Control wire	20.0 m	DIX VLM-217-20	629217200
10 Control wire	20.0 m	DIX VLM 216-20	629216200

► Other length on request.
Standard length: 20.0 m



PUSH-PULL System DIX MPZ.neo for MQFZ 304(330).neo SADZ Torch sets
Plug



OPTIONAL You need a Power Pin / Power Pin Set for the compact plug DIX KCZMEP 330 N (Pos. C). You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
A Plug		DIX KCZMEP 330	624170330
B Plug		DIX KCZMEP 330 SAZ	624170331
C Plug		DIX KCZMEP 330 N	624170332
1 Air blast plug		DIX 12-3-510 ST	6391250012
2 Fixing ring		DIX 12-3-510 HR	6391250013
3 Plug housing		DIX 12-3-510 SG	6391250011
4 Connection hose, blue	0.60 m	DIX VL 170	629171003
5 Connection hose, red	0.60 m	DIX VL 171	629171004
6 Cap, red		DIX VL 173	629172002
7 Cap, blue		DIX VL 172	629172001
8 Water plug	ø 5.0 mm	DIX 16-2	629160000
9 Plug insert		DIX ME 300 SEZ	639116064
10 Holding screw (10 pcs.)		DIX ME 300 HS	629070005
11 Plug insert		DIX ME 300 SAZ	639116061
12 Clamp sleeve, without block for capillary liner		DIX 27-2 MAP	629270041
13 Clamp sleeve, with block for liner		DIX 27-2 SA	629270040
14 Clamp nut		DIX 28-2 SA	629280040
15 Plug housing		DIX ME 600 SGN	6391250020
16 Round plug connector		DIX CS 600 SGN	6391250021
17 Plug insert		DIX ME 600 N	639116076



neo Torch sets liquid-cooled DIX MQFZ 330.neo SADZ up to 400A

Properties

- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Flexible supply hose
- ▶ New plug has interface to push-pull unit MPZ.neo
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gas reduction by laminar gas flow and design of the gas diffuser
- ▶ No gas losses due to separate shield gas guide in the torch set
- ▶ Integrated remote controller



Design with handle typ MF

Sample application

Technical data (DIN EN 60 974-7):

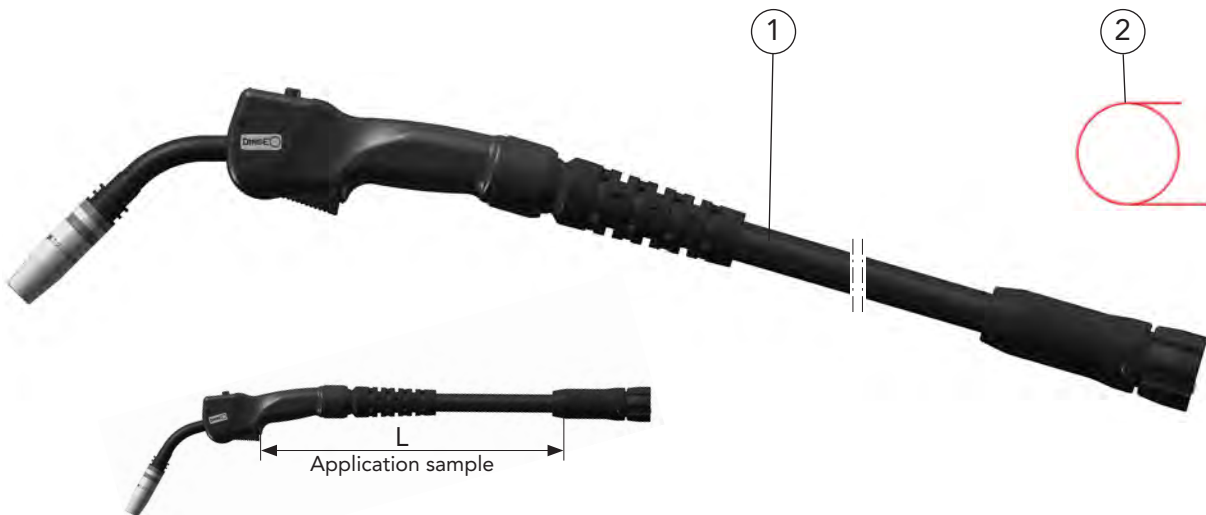
CO ₂ :	duty cycle 400A/60%
Mixed gas:	320A/60%
Wire diameter:	1.0 - 1.2 mm

Application

- ▶ Non- and low alloyed steels
- ▶ High alloyed steels
- ▶ Copper alloyed for the MSG brazing
- ▶ Aluminum-, magnesium- and nickel alloys



OFF Application only in connection with PUSH-PULL torch set MPZ.neo-20



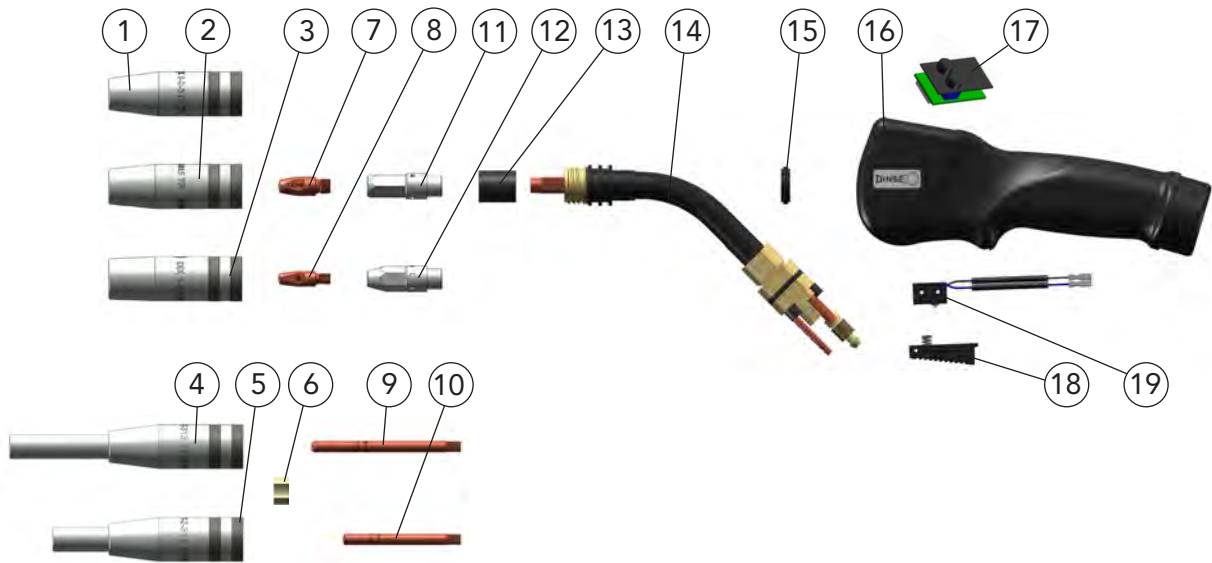
Description	Length	Part name	Part number
1 Torch set	4.0 m	DIX MQFZ 330.neo-4 SADZ	620313648
Torch set	5.0 m	DIX MQFZ 330.neo-5 SADZ	620313658
2 Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345
Liner	ø 2.2 mm/5.5 m	DIX DS 4/2.2-5.5	623000355

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories



neo Torch sets DIX MQFZ 330 SADZ



Description	Dimension	Part name	Part number
1 Gas nozzle	ø 13 mm	DIX 1-2-313 TR	6290103130
2 Gas nozzle	ø 15 mm	DIX 1-2-315 TR	6290103150
3 Gas nozzle	ø 18 mm	DIX 1-2-318 TR	6290103180
4 Narrow gap gas nozzle*	ø 13 x 125mm	DIX 1-2-313 TR/125	6290103131
5 Narrow gap gas nozzle	ø 13 x 102mm	DIX 1-2-313 TR/102	P629010KI001
6 Centre star		DIX 1-2-010/115	62901001413
7 Contact tip	M8 x 28 mm	DIX 3-2-__ M8	6290301__
Contact tip	M8 x 28 mm	DIX 3-2-__ M8 CR-ZR	6290331__
8 Contact tip	M6 x 28 mm	DIX 3-2-__	6290300__
Contact tip	M6 x 28 mm	DIX 3-2-__ CR-ZR	6290330__
9 Contact tip, for pos. 4*	M6 x 80 mm	DIX 3-1-__/80	6190394__
10 Contact tip, for pos. 5	M6 x 63 mm	DIX 3-1-1.2/63	P619039HM003
11 Tip adapter	M8	DIX 4-2-K M8	629040110
12 Tip adapter	M6	DIX 4-2-K M6	629040010
13 Insulating sleeve		DIX 10-2	629100000
14 Torch neck	45°	DIX 6-2-330.neo Z 45°	62906233145
15 Support ring		DIX H SR 340	629071030
16 Handle, with pos. 17		DIX H MF 2	629071042
17 PCB board, complete		DIX H MF 2T	629071026
18 Trigger		DIX S5	629071147
19 Micro switch		DIX 8-2	629080000
Switch mount, not shown		DIX BR 8-2	629071032

* Only in conjunction with tip adapter 4-2-K M6, pos. 12.

-- Enter the required wire diameter, e.g.: 10 = 1.0 mm or 12 = 1.2 mm.

► Standard equipment for wire diameter 1.2 mm steel with gas nozzle DIX 1-2-315 TR, contact tip DIX 3-2-1.2 M8, tip adapter DIX 4-2-K M8. insulating sleeve DIX 10-2 and liner DIX DS 4/2.2. Variants deviating of the standard fittings on request.



neo Torch sets liquid-cooled DIX MQFZ 304.neo SADZ up to 500A

Properties

- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Flexible supply hose
- ▶ New plug has interface to push-pull unit MPZ.neo
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gas reduction by laminar gas flow and design of the gas diffuser
- ▶ No gas losses due to separate shield gas guide in the torch set
- ▶ Integrated remote controller

Technical data (DIN EN 60 974-7):

Dual-circuit liquid cooled

CO ₂ :	duty cycle 500A/60%
Mixed gas:	450A/60%
Wire diameter:	0.8 - 1.6 mm

Application

- ▶ Non- and low alloyed steels
- ▶ High alloyed steels
- ▶ Copper alloyed for the MSG brazing
- ▶ Aluminum-, magnesium- and nickel alloys

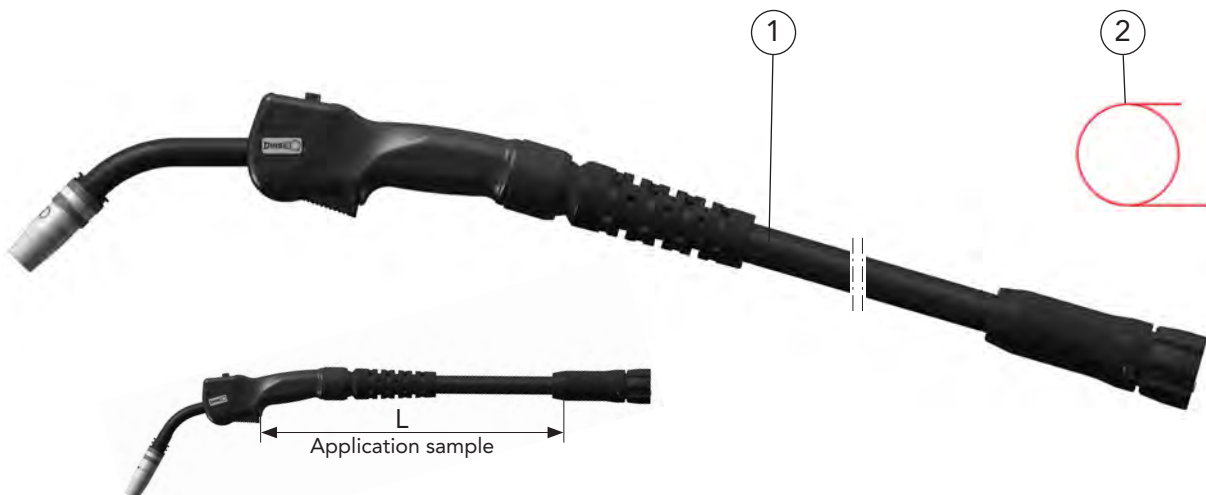


Design with handle typ MF

Sample application



Application only in connection with PUSH-PULL torch set MPZ.neo-20



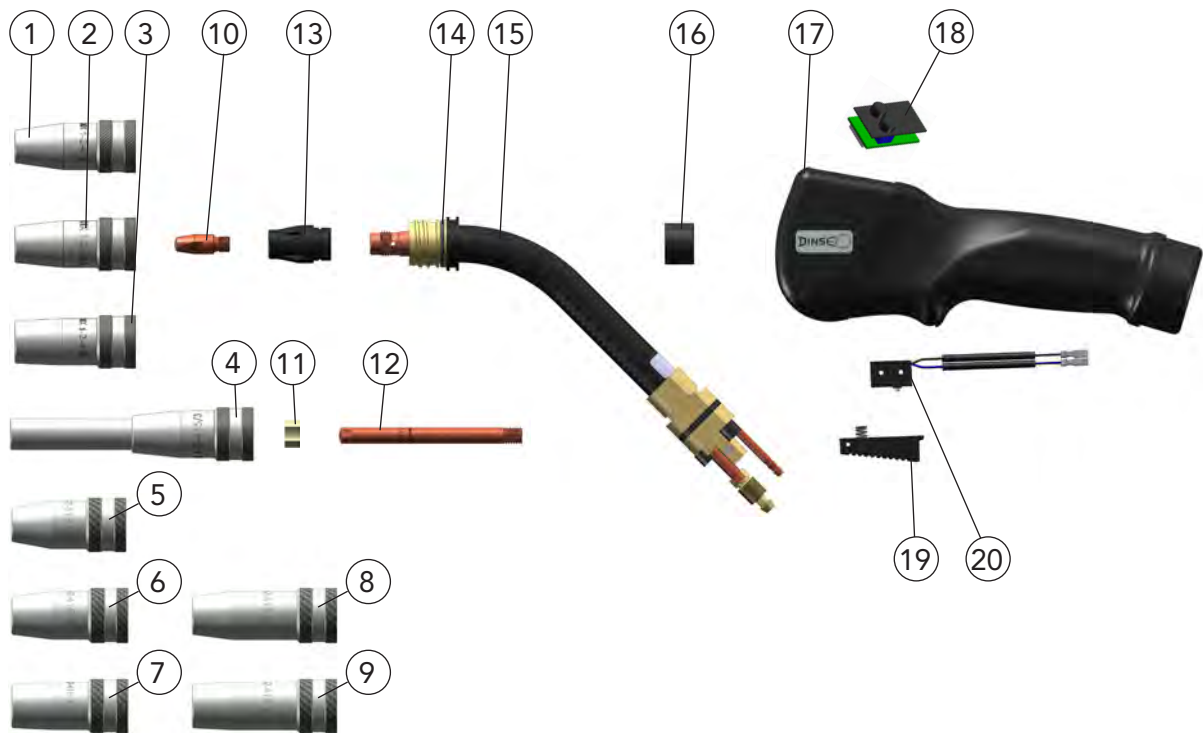
	Description	Length	Part name	Part number
1	Torch set	4.0 m	DIX MQFZ 304.neo-4 SADZ	620324648
	Torch set	5.0 m	DIX MQFZ 304.neo-5 SADZ	620324658
2	Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345
	Liner	ø 2.2 mm/5.5 m	DIX DS 4/2.2-5.5	623000355

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories



neo Torch sets DIX MQFZ 304 SADZ



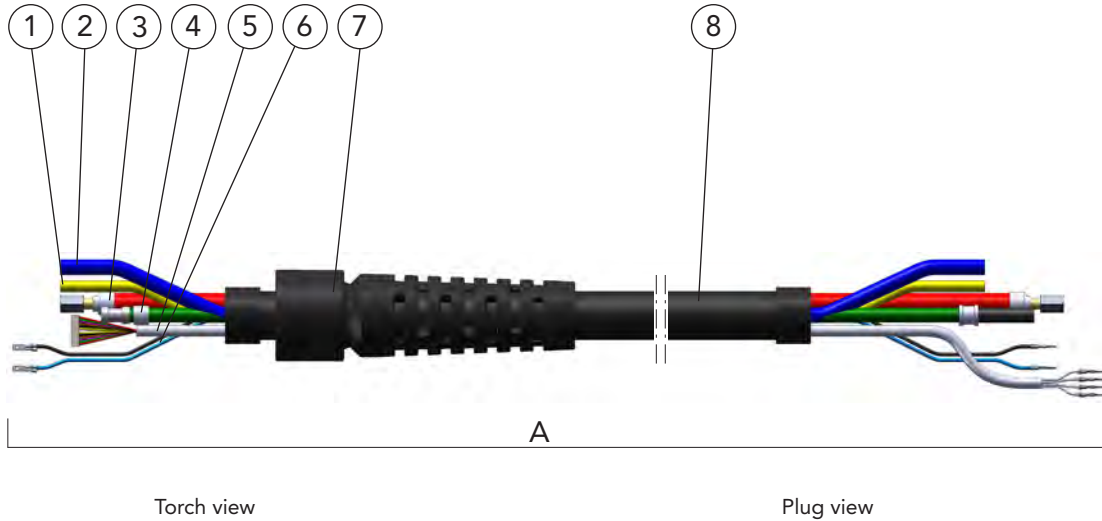
	Description	Dimension		Part name	Part number
1	Gas nozzle	ø 13 mm	DIX	1-2-413	629010413
2	Gas nozzle	ø 15 mm	DIX	1-2-415	629010415
3	Gas nozzle	ø 18 mm	DIX	1-2-418	629010418
4	Narrow gap gas nozzle	ø 15 x 124 mm	DIX	1-2-415/3	6290104153
5	Gas nozzle	ø 13 x 57	DIX	1-2-413 K	629010403
6	Gas nozzle	ø 15 x 58	DIX	1-2-415 K	629010405
7	Gas nozzle	ø 18 x 58	DIX	1-2-418 K	629010408
8	Gas nozzle	ø 15 x 72	DIX	1-2-415 L	6290104152
9	Gas nozzle	ø 18 x 72	DIX	1-2-418 L	6290104182
10	Contact tip	M8 x 28 mm	DIX	3-2-.. M8	6290301..
	Contact tip	M8 x 28 mm	DIX	3-2-.. M8 CR-ZR	6290331..
11	Centre star, for pos. 12		DIX	3-2-STERN	P629039HM011
12	Contact tip, for pos. 4	M8 x 93 mm	DIX	3-2-.. M8/93	629039010..
13	Gas diffusor		DIX	10-2-304	629100324
14	O-Ring 19x2	(10 pcs.)			629061005
15	Torch neck	45°	DIX	6-2-304.neo Z 45°	629062340
16	Support ring		DIX	SR 2	629071039
17	Handle, with pos. 18		DIX	H MF 2	629071042
18	PCB board, complete		DIX	H MF 2T	629071026
19	Trigger		DIX	S5	629071147
20	Micro switch		DIX	8-2	629080000
	Board complete, not shown		DIX	BR 8-2	629071032

-- Enter the required wire diameter, e.g.: 10 = 1.0 mm or 12 = 1.2 mm.



► Standard equipment for wire diameter 1.2 mm steel with gas nozzle DIX 1-2-415, contact tip DIX 3-2-1.2 M8 insulating sleeve DIX 10-2-304 and liner DIX DS 4/2.2. Variants deviating of the standard fittings on request.

neo Torch sets DIX MQFZ 330/304 SADZ Supply hose



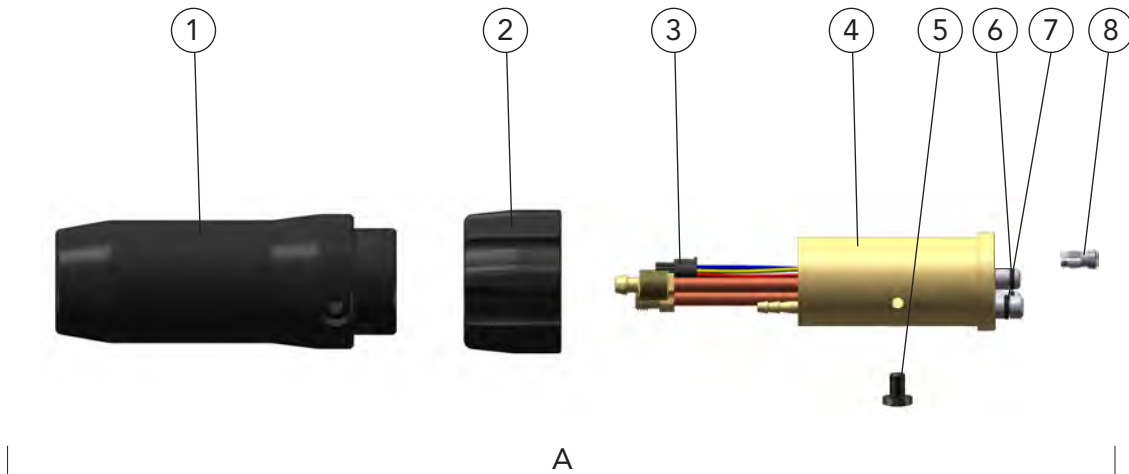
Description	Dimension	Part name	Part number
A Supply hose		DIX VLMFZ 300-__ SADZ	6223900__
1 Gas hose		DIX VL 180-__	639186001__
2 Water hose, blue		DIX VL 190-__	639196001__
3 Combi cable		DIX 22-2-303-__ SATZ	6292223__
4 Conduit hose		DIX VLM 2010-__	6292016__
5 Control wire		DIX VLM 219-__	6292190__
6 Control wire		DIX VLM 216-__	6292160__
7 Ball joint complete		DIX BJ 2-30	629071048
8 Cover hose, with pos. 7		DIX VLM 331-__	6292315__

-- Enter the required length of the welding torch set, e.g.: 40 = 4.0 m or 50 = 5.0 m.
Standard length: 4.0 m and 5.0 m



neo Torch sets DIX MQFZ 330/304 SADZ Plug

1



Description	Part name	Part number
A Plug	DIX KCZ 300 SADZ	638900053
1 Plug housing	DIX MQ 300 SGF	629123313
2 Screw cap	DIX 6-2 MAT	62906194661
3 Spring contact set	DIX KCZ 300 SADZ	743000049
4 Plug insert	DIX ME 300 SADZ	639116089
5 Housing screw (10 pcs.)	DIX 7-2	629900205
6 O-Ring 4,1x1,6 (10 pcs.)		629061013
7 O-Ring 5,1x1,6 (10 pcs.)		629061014
8 Clamp sleeve	DIX SH 270	629270270

► Other torch connectings on request.



Fume extraction - External retrofitting-set DIX ZA 300 EX



Properties

- ▶ Optimal gathering of fumes with the revolving extraction hose
- ▶ Extraction nozzle adjustable
- ▶ Extraction output adjustable via bypass
- ▶ Easy assembly at the torch neck
- ▶ High effectiveness by easy and mobile handling
- ▶ Easy service by separation from torch set and extraction hose



DIX MS/MG 230 with DIX ZA 300 EX

Technical data:

Retrofitting-set for torch sets with following torch necks:

gas cooled

DIX 6-1-230

DIX 6-2-330

DIX 6-1-230 WS 45°

DIX 6-1-230 WL 45°

DIX 6-2-330 WS 45°

DIX 6-2-330 WL 45°

liquid cooled

DIX 6-2-330 Z

DIX 6-2-304 Z

DIX 6-2-305 Z

DIX 6-2-306 Z



DIX MPW 300. DIX MSZ 330 with DIX ZA 300 EX

Application

- ▶ Abidance by the health-, work- and environment protection values at welding and brazing



DIX MPZ 304. DIX MSZ 304 with DIX ZA 300 EX

1

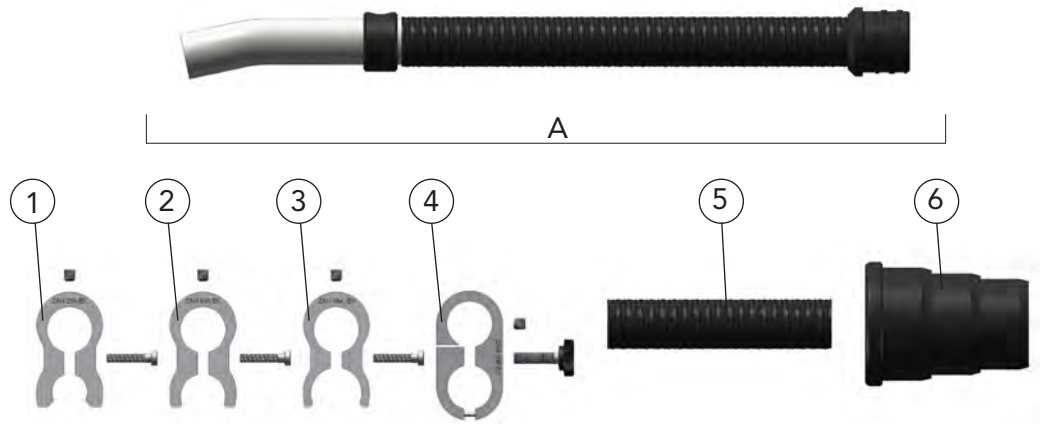
MIG/MAG Manual



Fume extraction - External retrofitting-set DIX ZA 300 EX

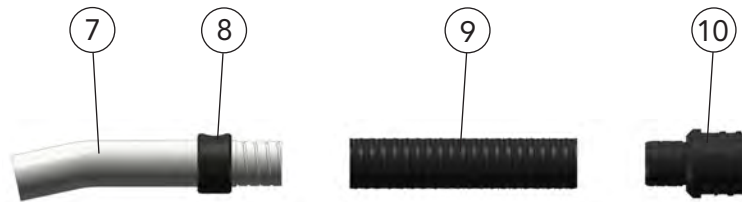
External fume extractor

1



Description	Part name	Part number
A External fume extractor	DIX ZA 300 EX	6287102302
1 Retaining bracket, for torch type 230	DIX ZAH 230 EX	6187122230
2 Retaining bracket, for torch type 330 + 340	DIX ZAH 330 EX	6287122330
3 Retaining bracket, for torch type 304	DIX ZAH 304 EX	6287122340
4 Retaining bracket, for torch type 305/306	DIX ZAH 306 EX	628710002P
5 Hose	DIX ZAS 25-__	61871425__
6 Reducer For diameter: 40/45/50 mm	DIX ZAR 25/50	618715025

-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m and 4.0 m. Other lengths on request.



Description	Part name	Part number
7 Extractor nozzle	DIX ZAD 300 EX	6287112300
8 By-pass ring	DIX ZAN 100 EX	6187122100
9 Hose	DIX ZAS 230 EX-0.5	6187142230
10 Reducer	DIX ZAR 230 EX	6187152230
Cable strap (not shown)		62944900611



Fume extraction - Integrated versions gas-cooled torch sets DIX MR 230 (SA) up to 250A



Properties

- ▶ Pollutants will be sucked off directly at the point of origin
- ▶ Extraction output adjustable via bypass
- ▶ High effectiveness by easy and mobile handling
- ▶ Flexible supply hose
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gas reduction by laminar gas flow and design of the tip adapter
- ▶ No gas loss due to separate shield gas feed



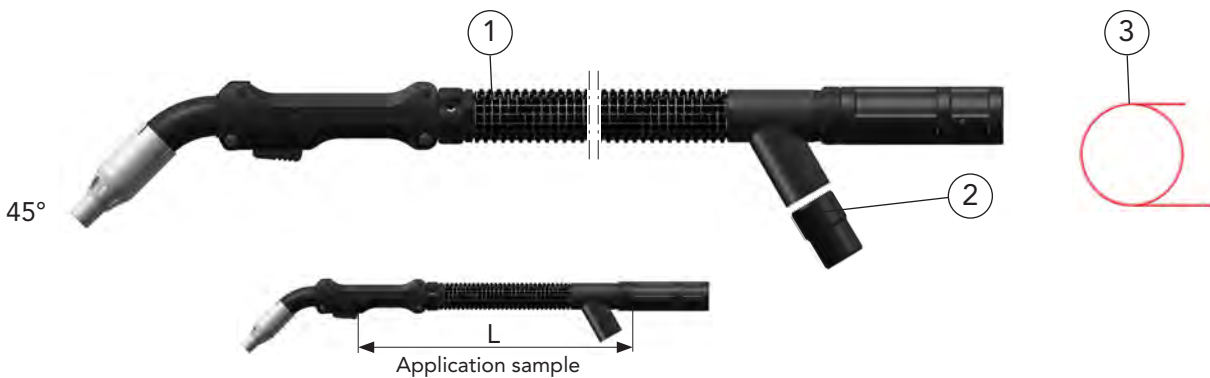
DIX MR 230

Application

- ▶ Abidance by the health-, work- and environment protection values at welding and brazing
- ▶ Conversion kit for simple replacement of the handle
- ▶ Torch set separated from the extraction hose for easy service

Technical data (DIN EN 60 974-7):

	duty cycle
CO ₂ :	250A/60%
Mixed gas:	200A/60%
Wire diameter::	0.8 - 1.0 mm



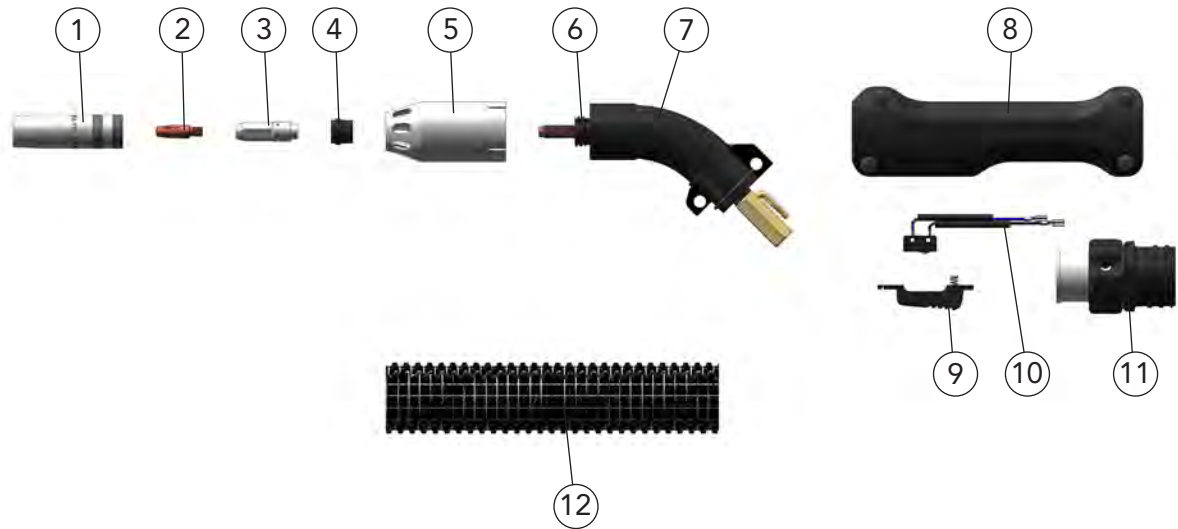
Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MR 230-3	610262330
Torch set	4.00 m	DIX MR 230-4	610262340
Torch set, not shown	3.00 m	DIX MR 230-3 SA	610262331
Torch set, not shown	4.00 m	DIX MR 230-4 SA	610262341
2 Connection piece		DIX HCA 45/50 MR/MRZ	629770000
3 Liner	ø 1.8 mm/3.5 m	DIX DS 4/1.8-3.5	613000235
Liner	ø 1.8 mm/4.5 m	DIX DS 4/1.8-4.5	613000245
O-Ring, not shown	10 pcs.		629900218

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



Torch sets DIX MR 230 (SA)

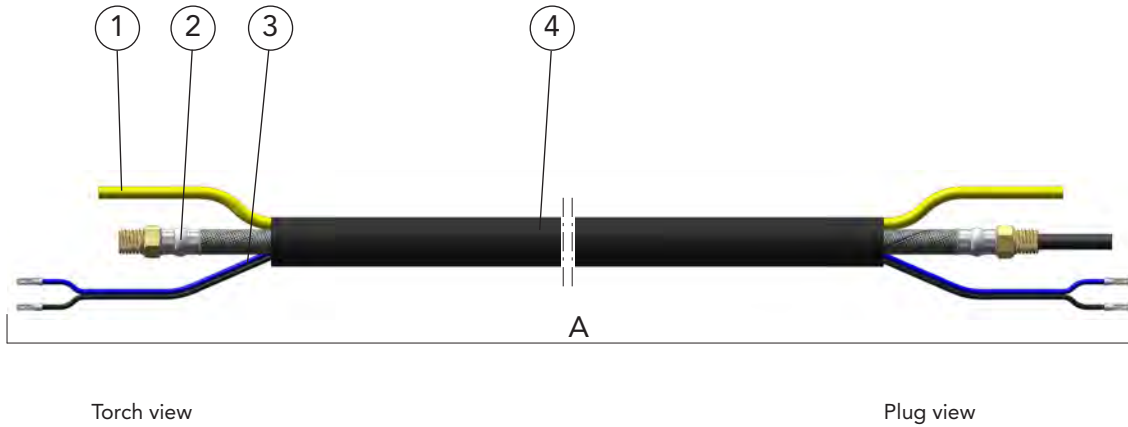


Description	Dimension	Part name		Part number
1 Gas nozzle	∅ 16 mm	DIX	1-1-316 TR	6190103160
2 Contact tip	M6 x 28 mm	DIX	3-2-__	6290300__
Contact tip	M6 x 28 mm	DIX	3-2-__ CR-ZR	6290330__
3 Tip adapter	M6	DIX	4-1-K	619040010
4 Insulating sleeve		DIX	10-1-222	619100202
5 Extraction nozzle		DIX	71-1-250 R	619710250
6 Torch neck		DIX	6-1-230 R	619066230
7 Fume tube		DIX	72-1-230 R	619720230
8 Handle		DIX	7-1-250 R	619076250
9 Trigger		DIX	9-2	629090000
10 Micro switch		DIX	8-2 R	629080004
11 Hose connection		DIX	73-1-250 R	619730250
12 Extraction hose	3.00 m	DIX	74-1-250-3	619740253
Extraction hose	4.00 m	DIX	74-1-250-4	619740254

-- Enter the required wire diameter, e.g.: 08 = 0.8 mm or 10 = 1.0 mm.

- Standard equipment for wire diameter 0.8 mm steel with gas nozzle DIX 1-1-316 TR, contact tip DIX 3-2-0.8 tip adapter DIX 4-1-K and liner DIX DS 4/1.8. Variants deviating of the standard fittings on request.

Torch sets DIX MR 230 (SA)
Supply hose

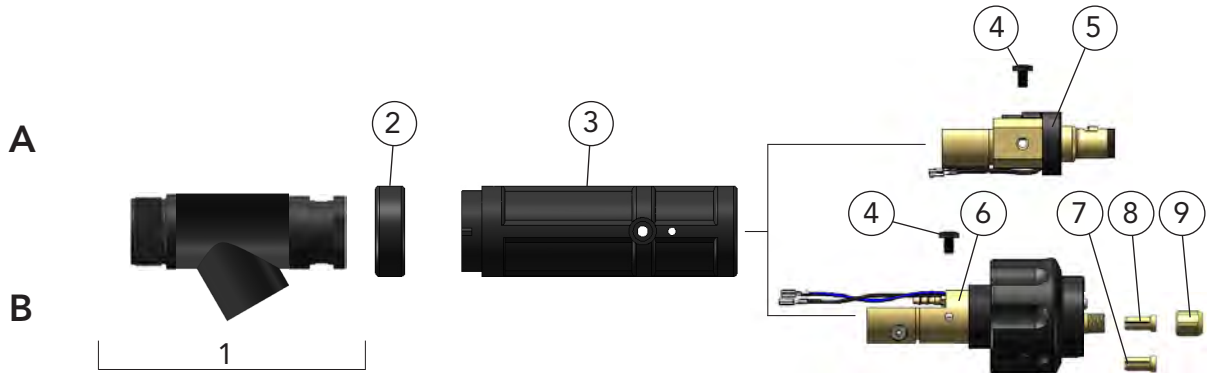


Description	Dimension	Part name	Part number
A Supply hose		DIX VLMR 200-__	61226200-__
1 Gas hose		DIX VL 180-__	639186001-__
2 Binary cable		DIX VLM 2230-__	6192065-__
3 Control wire		DIX VLM 211-__	6292110-__
4 Cover hose	3.00 m	DIX 23-2-350-3 R	629236353
Cover hose	4.00 m	DIX 23-2-350-4 R	629236354

-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m and 4.0 m

Torch sets DIX MR 230 (SA)
Plug

1



Description	Part name	Part number
A Plug	DIX KCMER 330	624060330
B Plug	DIX KCMER 330 SA	624060331
1 Extraction angle (short), complete	DIX 75-1-250 R/001	619750004
2 Fixing ring	DIX 12-3-510 HR	6391250013
3 Plug housing	DIX ME 300 SG	629123300
4 Holding screw (10 pcs.)	DIX ME 300 HS	629070005
5 Plug insert	DIX ME 300 SE	639113004
6 Plug insert	DIX ME 300 SA	639113005
7 Clamp sleeve, without block for capillary liner	DIX 27-2 MAP	629270041
8 Clamp sleeve, with block for liner	DIX 27-2 SA	629270040
9 Clamp nut	DIX 28-2 SA	629280040

Fume extraction - Integrated versions gas-cooled torch sets

DIX MR 330 (SA) up to 300A



Properties

- ▶ Pollutants will be sucked off directly at the point of origin
- ▶ Extraction output adjustable via bypass
- ▶ High effectiveness by easy and mobile handling
- ▶ Flexible supply hose
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gas reduction by laminar gas flow and design of the tip adapter
- ▶ No gas loss due to separate shield gas feed



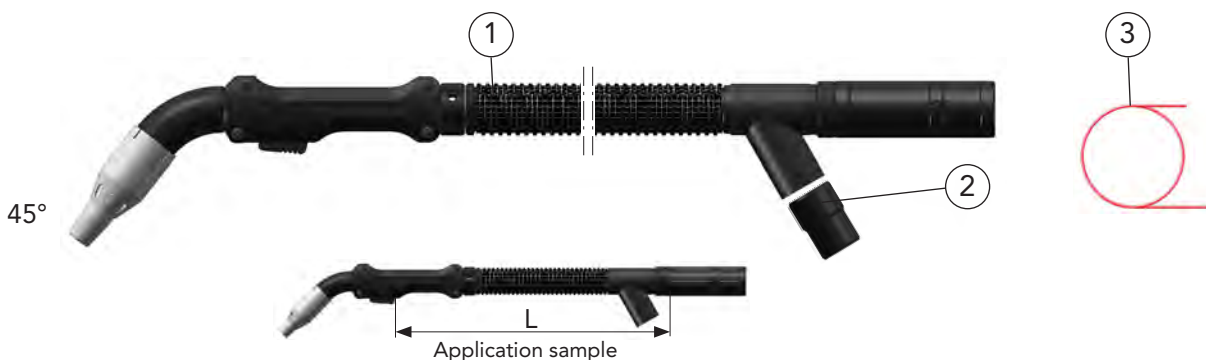
DIX MR 330

Application

- ▶ Abidance by the health-, work- and environment protection values at welding and brazing
- ▶ Conversion kit for simple replacement of the handle
- ▶ Torch set separated from the extraction hose for easy service

Technical data (DIN EN 60 974-7):

CO ₂ :	duty cycle 300A/60%
Mixed gas:	250A/60%
Wire diameter::	0.9 - 1.2 mm



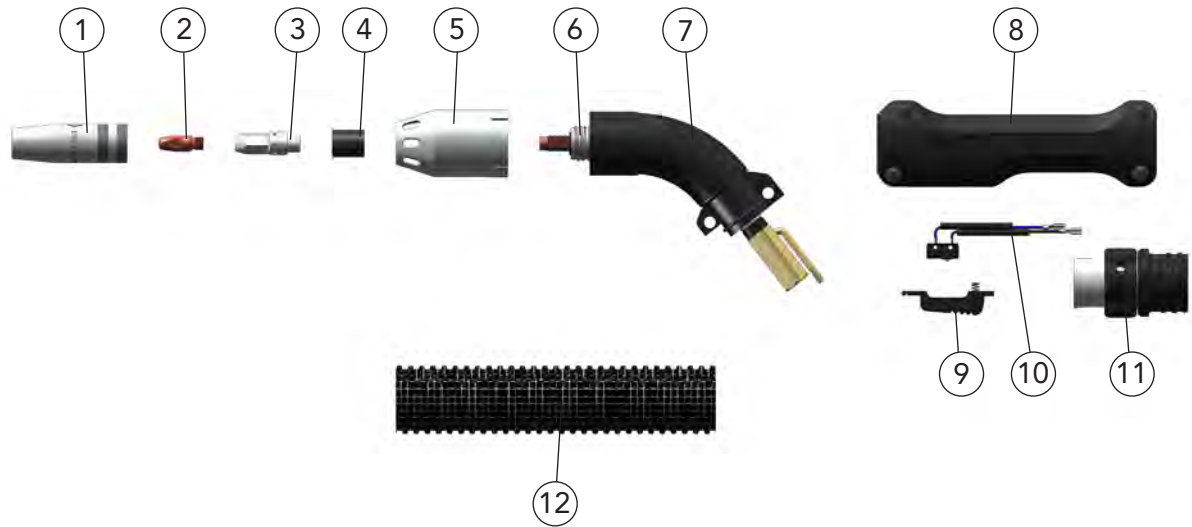
Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MR 330-3	620367330
Torch set	4.00 m	DIX MR 330-4	620367340
Torch set, not shown	3.00 m	DIX MR 330-3 SA	620367331
Torch set, not shown	4.00 m	DIX MR 330-4 SA	620367341
2 Connection piece		DIX HCA 45/50 MR/MRZ	629770000
3 Liner	ø 1.8 mm/3.5 m	DIX DS 4/1.8-3.5	613000235
Liner	ø 1.8 mm/4.5 m	DIX DS 4/1.8-4.5	613000245
O-Ring, not shown	10 pcs.		629900218

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



Torch sets DIX MR 330 (SA)



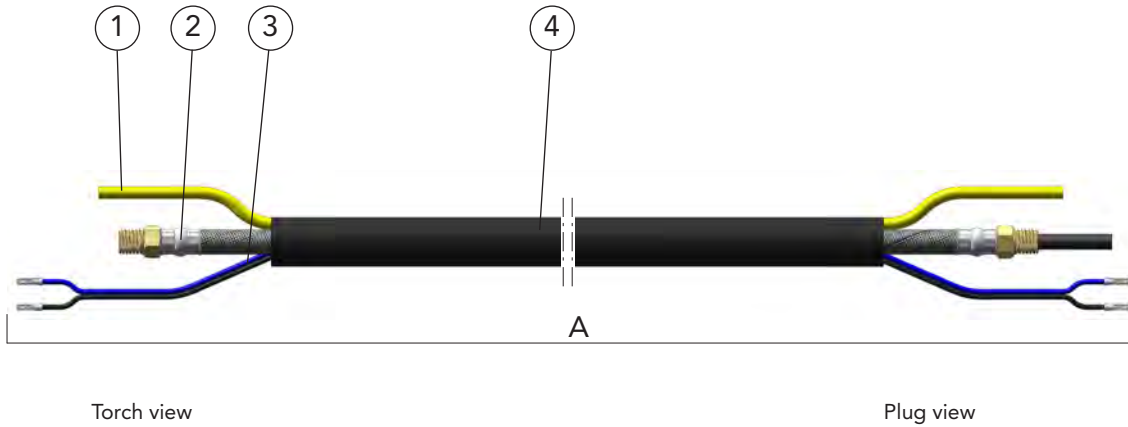
Description	Dimension	Part name	Part number
1 Gas nozzle	ø 15 mm	DIX 1-2-315 TR	6290103150
2 Contact tip	M8 x 28 mm	DIX 3-2-__ M8	6290301__
Contact tip	M8 x 28 mm	DIX 3-2-__ M8 CR-ZR	6290331__
Contact tip	M6 x 28 mm	DIX 3-2-__	6290300__
Contact tip	M6 x 28 mm	DIX 3-2-__ CR-ZR	6290330__
3 Tip adapter	M8	DIX 4-2-K M8	629040110
Tip adapter	M6	DIX 4-2-K M6	629040010
4 Insulating sleeve		DIX 10-2	629100000
5 Extraction nozzle		DIX 71-2-350 R	629710350
6 Torch neck	52°	DIX 6-2-330 R	629060633
7 Expiration bow	52°	DIX 72-2-330 R 52°	629720330
8 Handle		DIX 7-1-250 R	619076250
9 Trigger		DIX 9-2	629090000
10 Micro switch		DIX 8-2 R	629080004
11 Hose connection		DIX 73-2-350 R	629730350
12 Extraction hose	3.00 m	DIX 74-2-350-3 R	629740353
Extraction hose	4.00 m	DIX 74-2-350-4 R	629740354

-- Enter the required wire diameter, e.g.: 10 = 1.0 mm or 12 = 1.2 mm.

- ▶ Standard equipment for wire diameter 1.0 mm steel with gas nozzle DIX 1-2-315 TR, contact tip DIX 3-2-1.0 M8, tip adapter DIX 4-2-K M8 and liner DIX DS 4/1.8. Variants deviating of the standard fittings on request.



Torch sets DIX MR 330 (SA)
Supply hose

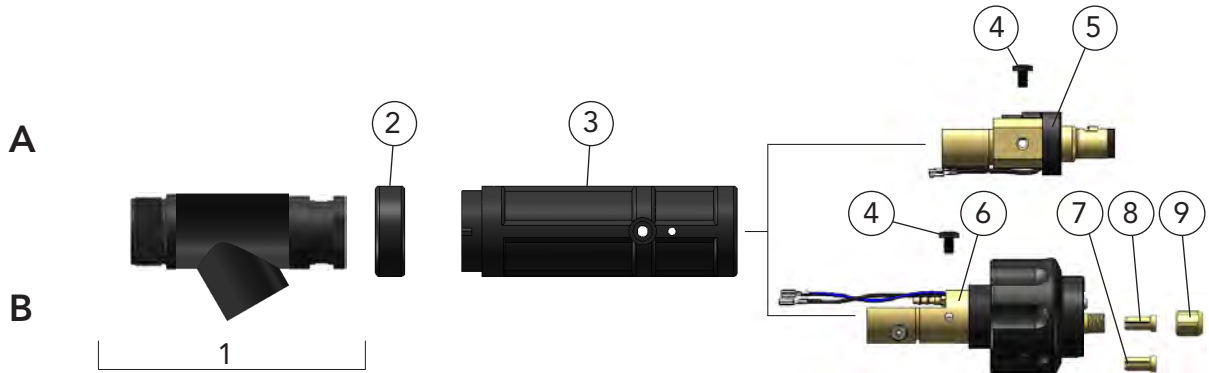


Description	Dimension	Part name	Part number
A Supply hose		DIX VLMR 300-__	62226300__
1 Gas hose		DIX VL 180-__	639186001__
2 Binary cable		DIX VLM 2230-__	6192065__
3 Control wire		DIX VLM 211-__	6292110__
4 Cover hose	3.00 m	DIX 23-2-350-3 R	629236353
Cover hose	4.00 m	DIX 23-2-350-4 R	629236354

-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m and 4.0 m

Torch sets DIX MR 330 (SA)
Plug

1



Description	Part name	Part number
A Plug	DIX KCMER 330	624060330
B Plug	DIX KCMER 330 SA	624060331
1 Extraction angle (short), complete	DIX 75-1-250 R/001	619750004
2 Fixing ring	DIX 12-3-510 HR	6391250013
3 Plug housing	DIX ME 300 SG	629123300
4 Holding screw (10 pcs.)	DIX ME 300 HS	629070005
5 Plug insert	DIX ME 300 SE	639113004
6 Plug insert	DIX ME 300 SA	639113005
7 Clamp sleeve, without block for capillary liner	DIX 27-2 MAP	629270041
8 Clamp sleeve, with block for liner	DIX 27-2 SA	629270040
9 Clamp nut	DIX 28-2 SA	629280040

Fume extraction - Integrated versions gas-cooled torch sets DIX MR 340C SA up to 350A



Properties

- Pollutants will be sucked off directly at the point of origin
- Suction adjustable with one hand during the welding process
- Ergonomic construction
- Impact resistant handle made of fiber-glass-reinforced high-performance plastic
- Encapsulated switch
- Gas nozzle with wear resistant trapezoidal thread
- Version with coaxial cable, light and flexible extraction bow
- Two different cover hose sets available (Ø 29 mm or 36 mm)
- Weight: approx 1.6 kg at 1 m supply hose (incl. extraction bow)
- Abidance by the health-, work- and environment protection values at welding and brazing



DIX MR 340C

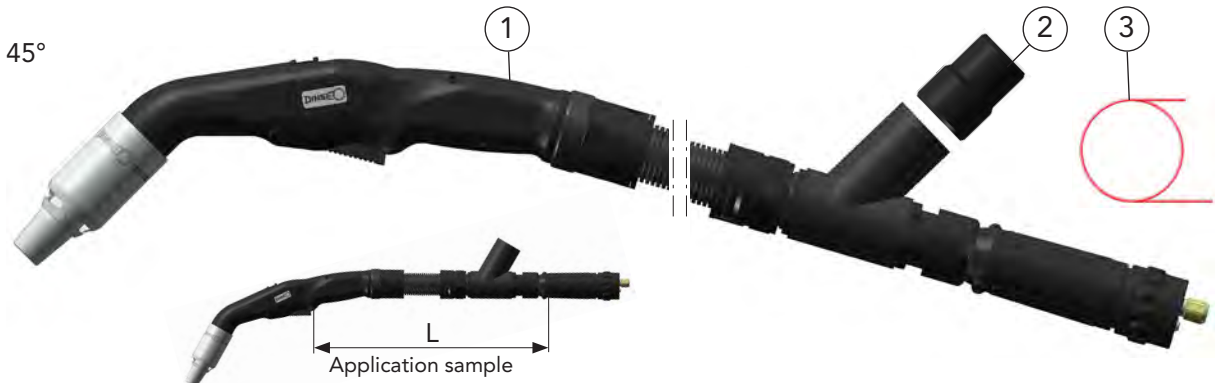
Application sample

OPTIZ Connectable to DINSE connection with intermediate adapter SA/EC (see Accessories).

Application

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

Technical data (DIN EN 60 974-7):	
CO ₂ :	duty cycle 350A/60%
Mixed gas:	300A/60%
Wire diameter:	1.0 - 1.2 mm



Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MR 340C-3 SA	620263431
Torch set	4.00 m	DIX MR 340C-4 SA	620263441
Torch set	3.00 m	DIX MR 340C-3/NW36* SA	620263731
Torch set	4.00 m	DIX MR 340C-4/NW36* SA	620263741
2 Connection piece		DIX HCA 45/50 MR/MRZ	629770000
3 Liner	ø 2.2 mm/3.3 m	DIX DSC 4.5/2.2-3.3	616000333
Liner	ø 2.2 mm/4.4 m	DIX DSC 4.5/2.2-4.4	616000344
O-Ring, not shown	10 pcs.		629900218

- Leather hose as protective cover hose with Velcro fastener, see page 259
- Variants deviating of the standard fittings on request.

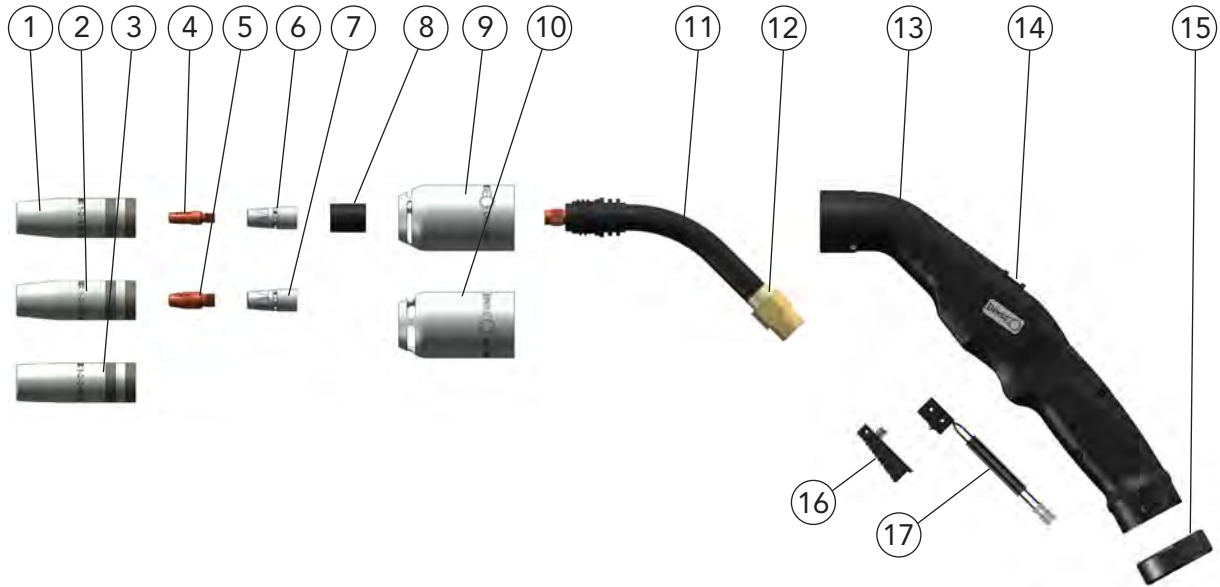
Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.

* NW36 = Nominal width of the cover hose



Torch sets DIX MR 340C SA



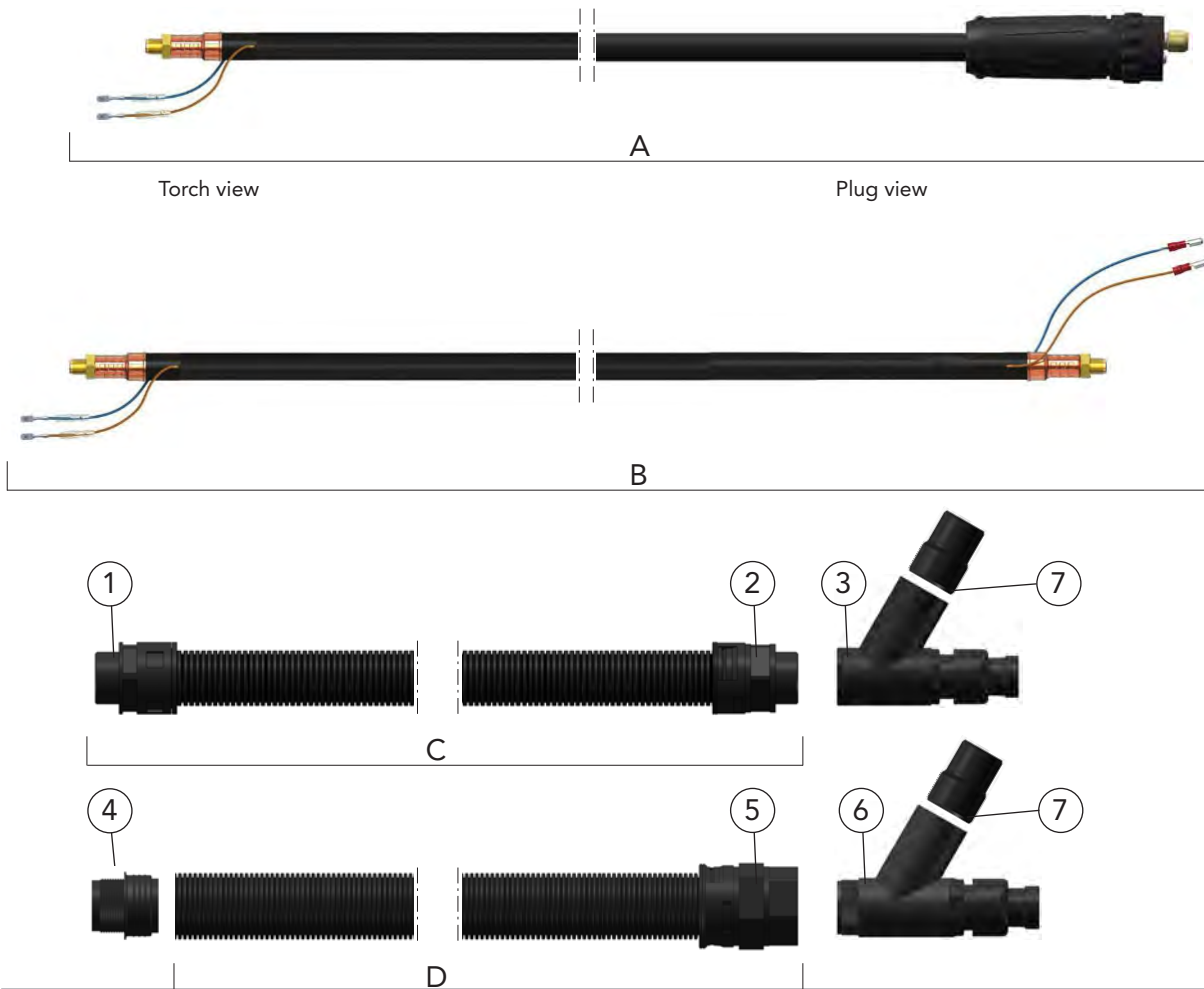
	Description	Dimension		Part name	Part number
1	Gas nozzle	ø 13 mm	DIX	1-2-313 TR	6290103130
2	Gas nozzle	ø 15 mm	DIX	1-2-315 TR	6290103150
3	Gas nozzle	ø 18 mm	DIX	1-2-318 TR	6290103180
4	Contact tip	M6 x 28 mm	DIX	3-2-__	6290300__
	Contact tip	M6 x 28 mm	DIX	3-2-__ CR-ZR	6290330__
5	Contact tip	M8 x 28 mm	DIX	3-2-__ M8	6290301__
	Contact tip	M8 x 28 mm	DIX	3-2-__ M8 CR-ZR	6290331__
6	Tip adapter	M6	DIX	GS 300 M6	629040301
7	Tip adapter	M8	DIX	GS 300 M8	629040302
8	Insulating sleeve		DIX	IH 340	629060341038
9	Extraction nozzle	Extraction slot width 3 mm	DIX	SN 2	6290711116
10	Extraction nozzle	Extraction slot width 5 mm	DIX	SN 4	6290711152
11	Torch neck	45°	DIX	6-2-340C 45°	6290603414
12	Support ring		DIX	SR 1	62026343111
13	Housing, with pos. 14. 15 and 18		DIX	H FE 2	6290711111
14	Reducer		DIX	FE R 1	6290711109
15	Fixing ring		DIX	12-3-510 HR	6391250013
16	Trigger		DIX	S 5	6290711147
17	Microswitch		DIX	8-2	629080000
18	Screw set, not shown		DIX	SS 1	6290711124

-- Enter the required wire diameter, e.g.: 10 = 1.0 mm or 12 = 1.2 mm.

- ▶ Standard equipment for wire diameter 1.0 mm steel with gas nozzle DIX 1-2-313 TR, contact tip DIX 3-2-1.0 M6, tip adapter DIX GS 300 M6 and liner DIX DSC 4.5/2.2. Variants deviating of the standard fittings on request.



Fume extraction - Integrated version Basic torch set DIX MXR 300C SA



Description	Part name	Part number
A Basic torch set	DIX MXR 300C-__ SA	62021302-__
B Coaxial cable	DIX VLMR 300C-__	6292035-__
C Cover hose set Ø 29 mm	DIX VLMRZ 230-__	6292340-__
D Cover hose set Ø 36 mm	DIX VLMRZ 230-__ /NW36	6292380-__
1 Clamp adapter, M32x1.5		629071126
2 Clamp adapter, 29/M32		629071125
3 Extraction angle, compl. Ø 29 mm	DIX SB 1	629071123
4 Hose connector, HC 1		629071135
5 Clamp adapter, 36/M40 I		629250006
6 Extraction angle, compl. Ø 36 mm	DIX SB 2	629071151

-- Enter the required length for pos. A, e.g.: 31 = 3.0 m or 41 = 4.0 m an.
Pos. B, C and D, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m and 4.0 m

Accessories			
7 Reducer	DIX HCA 45/50 MR/MRZ	629770000	

► Leather hose as protective cover hose with Velcro fastener, see page 259



Fume extraction - Integrated versions gas-cooled torch sets DIX MR 340C SA/BJ/NW36 up to 350A

Properties

- ▶ High-quality ball joint with kink protection on the gun side
- ▶ Pollutants will be sucked off directly at the point of origin
- ▶ Suction adjustable with one hand during the welding process
- ▶ Ergonomic construction
- ▶ The excellent mobility of the ball joint allows fatigue-free working
- ▶ Impact resistant handle made of fiber-glass-reinforced high-performance plastic
- ▶ Encapsulated switch
- ▶ Gas nozzle with wear resistant trapezoidal thread
- ▶ Version with coaxial cable, light and flexible extraction bow
- ▶ Abidance by the health-, work- and environment protection values at welding and brazing



Version with ball joint

Application sample

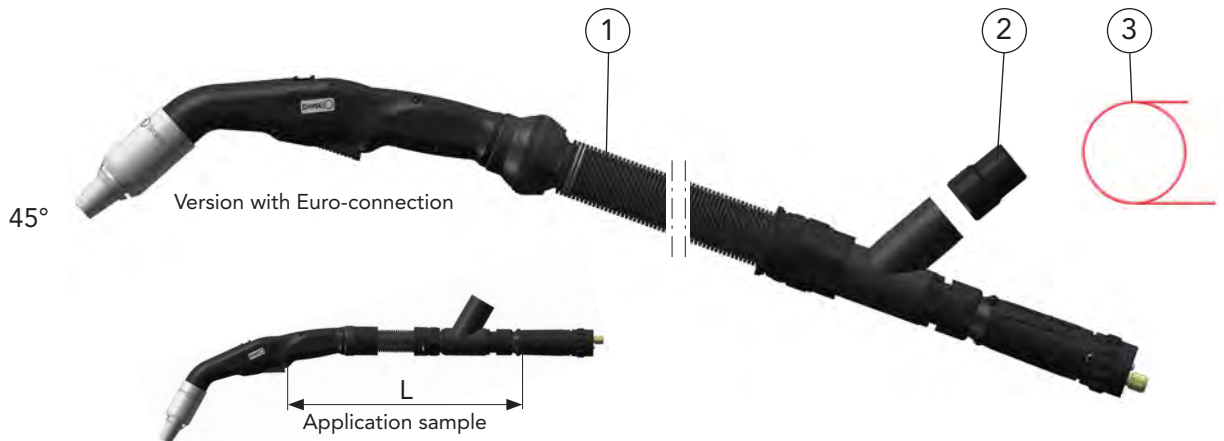
CONNECTABLE TO DINSE CONNECTION WITH INTERMEDIATE ADAPTER SA/EC (SEE ACCESSORIES).

Application

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

Technical data (DIN EN 60 974-7):

CO ₂ :	duty cycle 350A/60%
Mixed gas:	300A/60%
Wire diameter:	1.0 - 1.2 mm



Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MR 340C-3 SA/BJ*/NW36**	620263831
Torch set	4.00 m	DIX MR 340C-4 SA/BJ*/NW36**	620263841
Torch set	5.00 m	DIX MR 340C-5 SA/BJ*/NW36**	620263851
2 Connection piece		DIX HCA 45/50 MR/MRZ	629770000
3 Liner	ø 2.2 mm/3.3 m	DIX DSC 4.5/2.2-3.3	616000333
Liner	ø 2.2 mm/4.4 m	DIX DSC 4.5/2.2-4.4	616000344
Liner	ø 2.2 mm/5.5 m	DIX DSC 4.5/2.2-5.5	616000355
O-Ring, not shown	10 pcs.		629900218

▶ Variants deviating of the standard fittings on request.

▶ Leather hose as protective cover hose with Velcro fastener, see page 259

Hint:

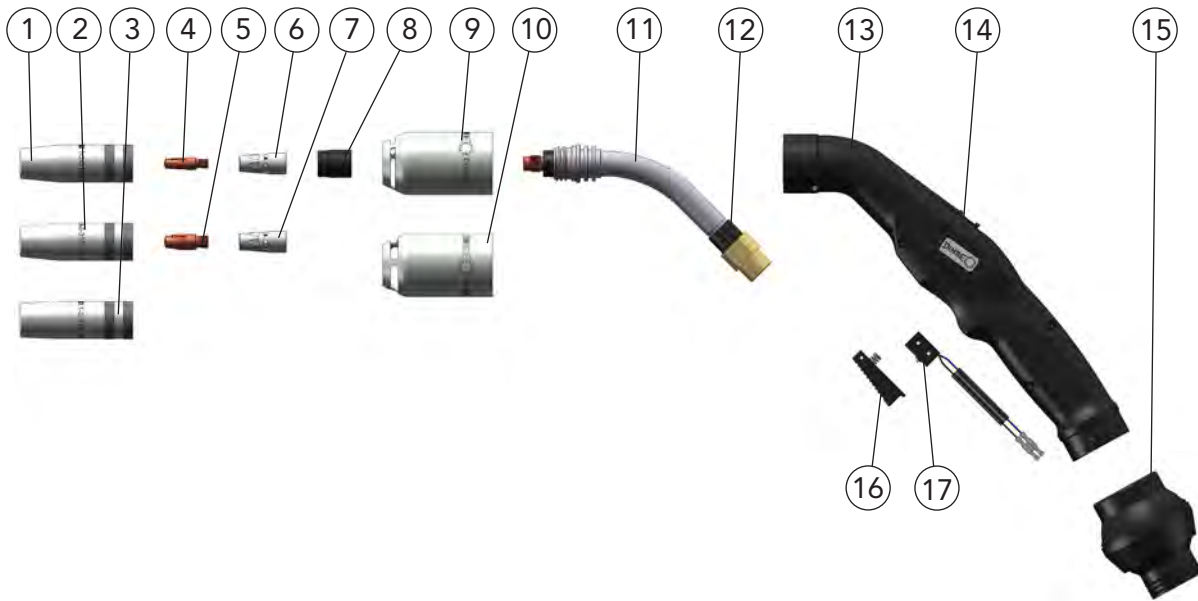
Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.

* BJ = Ball joint

** NW36 = Nominal width of the cover hose



Torch sets DIX MR 340C SA/BJ/NW36



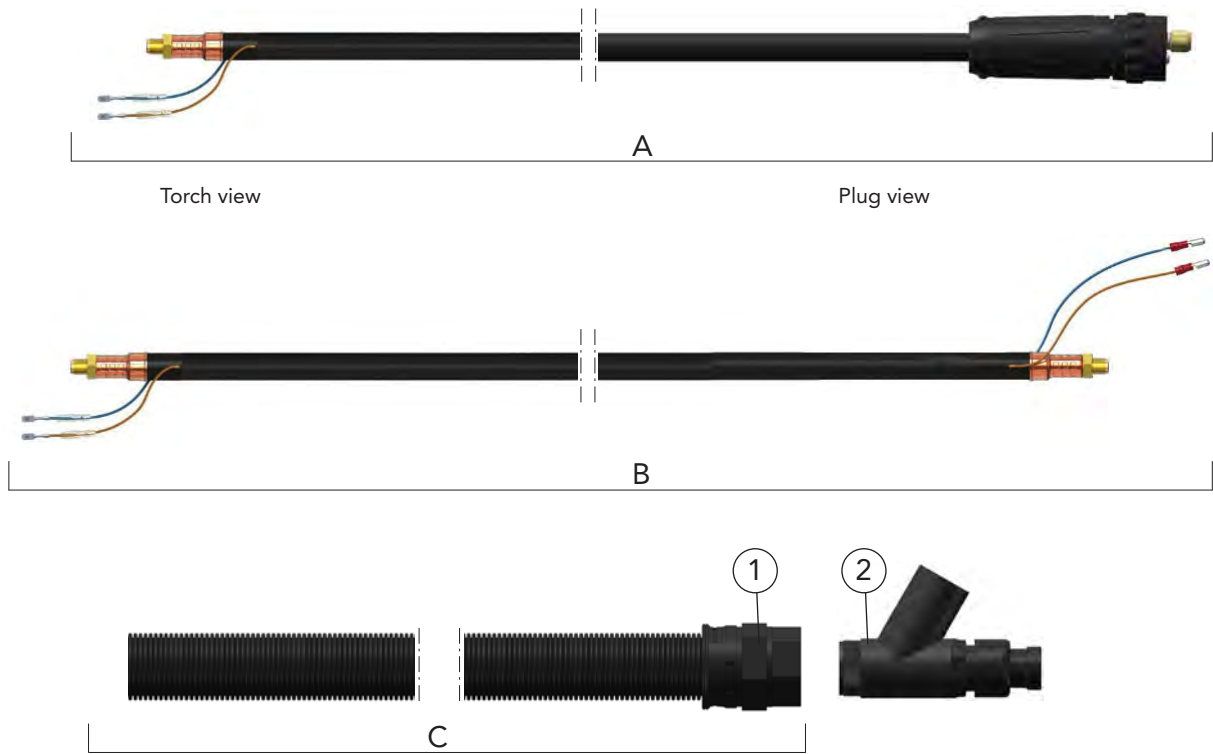
Description	Dimension	Part name	Part number
1 Gas nozzle	∅ 13 mm	DIX 1-2-313 TR	6290103130
2 Gas nozzle	∅ 15 mm	DIX 1-2-315 TR	6290103150
3 Gas nozzle	∅ 18 mm	DIX 1-2-318 TR	6290103180
4 Contact tip	M6 x 28 mm	DIX 3-2-__	6290300__
Contact tip	M6 x 28 mm	DIX 3-2-__ CR-ZR	6290330__
5 Contact tip	M8 x 28 mm	DIX 3-2-__ M8	6290301__
Contact tip	M8 x 28 mm	DIX 3-2-__ M8 CR-ZR	6290331__
6 Tip adapter	M6	DIX GS 300 M6	629040301
7 Tip adapter	M8	DIX GS 300 M8	629040302
8 Insulating sleeve		DIX IH 340	629060341038
9 Extraction nozzle	Extraction slot width 3 mm	DIX SN 2	629071116
10 Extraction nozzle	Extraction slot width 5 mm	DIX SN 4	629071152
11 Torch neck, with pos. 8	45°	DIX 6-2-340C 45°	6290603414
12 Support ring		DIX SR 1	62026343111
13 Housing, with pos. 14. 15 and 18		DIX H FE 4	629071160
14 Reducer		DIX FE R 1	629071109
15 Ball joint		DIX BJ 1	629071141
16 Trigger		DIX S 5	629071147
17 Microswitch		DIX 8-2	629080000
18 Screw set, not shown		DIX SS 1	629071124

-- Enter the required wire diameter, e.g.: 10 = 1.0 mm or 12 = 1.2 mm.

- Standard equipment for wire diameter 1.0 mm steel with gas nozzle DIX 1-2-313 TR, contact tip DIX 3-2-1.0, tip adapter DIX GS 300 M6 and liner DIX DSC 4.5/2.2. Variants deviating of the standard fittings on request.



Fume extraction - Integrated version Basic torch set DIX MXR 300C SA



Description	Part name	Part number
A Basic torch set	DIX MXR 300C-__ SA	62021302-__
B Coaxial cable	DIX VLMR 300C-__	6292035-__
C Cover hose set Ø 36 mm	DIX VLMRZ 230-__ /NW36	6292380-__

1 Clamp adapter, 36/M40 I		629250006
2 Extraction angle, compl. Ø 36 mm	DIX SB 2	629071151

-- Enter the required length for pos. A, e.g.: 31 = 3.0 m or 41 = 4.0 m an.
Pos. B and C, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m, 4.0 m und 5.0 m

Accessories		
Reducer, not shown	DIX HCA 45/50 MR/MRZ	629770000

▶ Leather hose as protective cover hose with Velcro fastener, see page 259

Fume extraction - Integrated versions

liquid-cooled torch sets

DIX MRZ 230 (SAZ) up to 270A

Properties

- ▶ Pollutants will be sucked off directly at the point of origin
- ▶ Extraction output adjustable via bypass
- ▶ High effectiveness by easy and mobile handling
- ▶ Flexible supply hose
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gas reduction by laminar gas flow and design of the tip adapter
- ▶ No gas loss due to separate shield gas feed



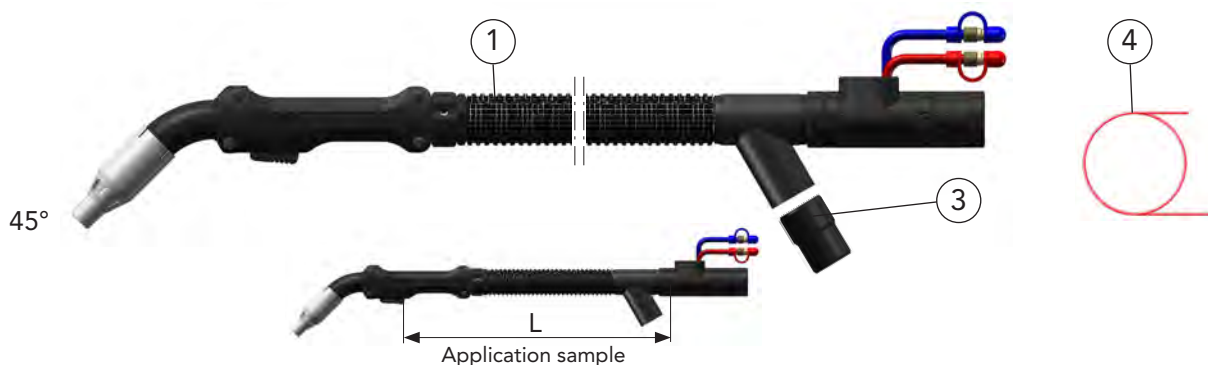
DIX MRZ 230

Application

- ▶ Abidance by the health-, work- and environment protection values at welding and brazing
- ▶ Conversion kit for simple replacement of the handle
- ▶ Torch set separated from the extraction hose for easy service

Technical data (DIN EN 60 974-7):

CO ₂ :	duty cycle 270A/60%
Mixed gas:	250A/60%
Wire diameter::	0.8 - 1.0 mm



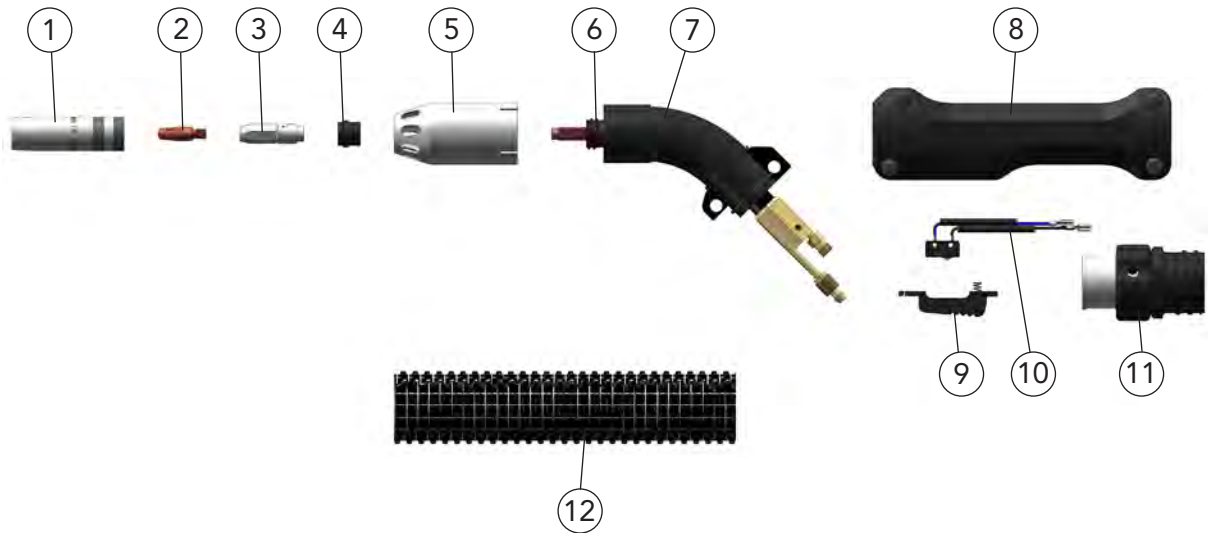
Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MRZ 230-3	6103623130
Torch set	4.00 m	DIX MRZ 230-4	6103623140
2 Torch set, not shown	3.00 m	DIX MRZ 230-3 SAZ	6103623131
Torch set, not shown	4.00 m	DIX MRZ 230-4 SAZ	6103623141
3 Connection piece		DIX HCA 45/50 MR/MRZ	629770000
4 Liner	ø 1.8 mm/3.5 m	DIX DS 4/1.8-3.5	613000235
Liner	ø 1.8 mm/4.5 m	DIX DS 4/1.8-4.5	613000245
O-Ring, not shown	10 pcs.		629900218

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



Torch sets DIX MRZ 230 (SAZ)



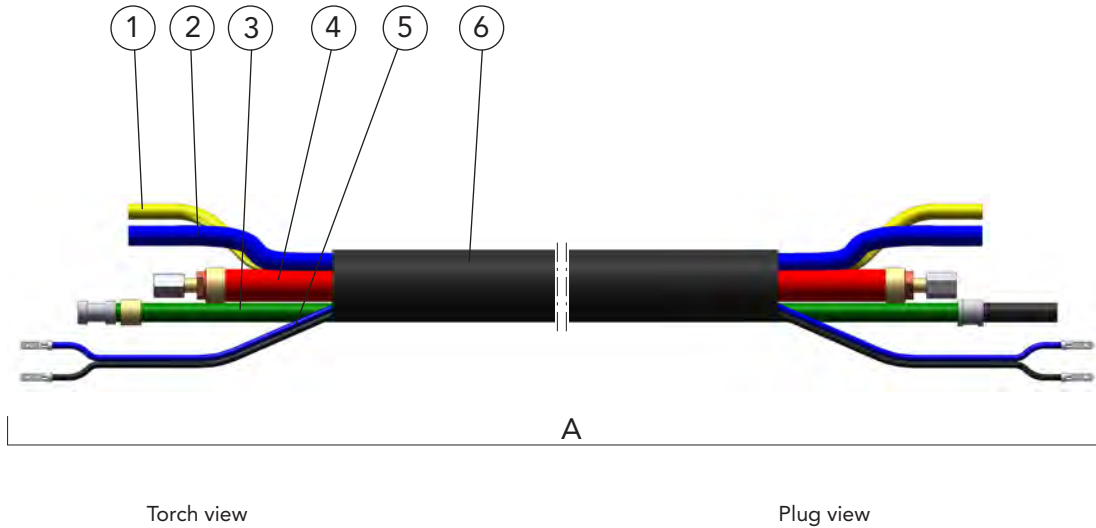
Description	Dimension	Part name		Part number
1 Gas nozzle	ø 12 mm	DIX	1-1-312 TR	6190103120
2 Contact tip	M6 x 28 mm	DIX	3-2-__	6290300__
Contact tip	M6 x 28 mm	DIX	3-2-__ CR-ZR	6290330__
3 Tip adapter	M6	DIX	4-1-K	619040010
4 Insulating sleeve		DIX	10-1-222	619100202
5 Extraction nozzle		DIX	71-1-250 R	619710250
6 Torch neck		DIX	6-1-230 RZ TR	6190612310
7 Expiration bow		DIX	72-1-230 R	619720230
8 Handle		DIX	7-1-250 R	619076250
9 Trigger		DIX	9-2	629090000
10 Micro switch		DIX	8-2 R	629080004
11 Hose connection		DIX	73-1-250 R	619730250
12 Extraction hose	3.00 m	DIX	74-1-250-3	619740253
Extraction hose	4.00 m	DIX	74-1-250-4	619740254

-- Enter the required wire diameter, e.g.: 08 = 0.8 mm or 10 = 1.0 mm.

- Standard equipment for wire diameter 0.8 mm steel with gas nozzle DIX 1-1-312 TR, contact tip DIX 3-2-0.8, tip adapter DIX 4-1-K and liner DIX DS 4/1.8. Variants deviating of the standard fittings on request.



Torch sets DIX MRZ 230 (SAZ)
Supply hose



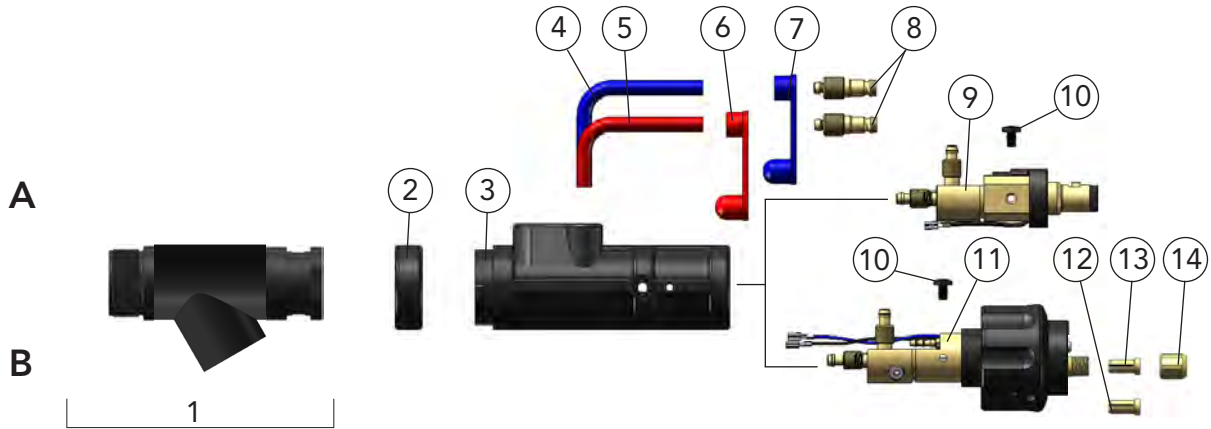
Description	Part name	Part number
A Supply hose	DIX VLMRZ 300-__	61236230-__
1 Gas hose	DIX VL 180-__	639186001-__
2 Water hose	DIX VL 170-50 BLAU	629171001
3 Conduit hose	DIX VLM 2010-__	6292016-__
4 Combi cable	DIX 22-2-303-__	6292213-__
5 Control wire	DIX VLM 211-__	6292110-__
6 Sealing hose	DIX VLMRZ 230-0.4	612362303011

-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m and 4.0 m



Torch sets DIX MRZ 230 (SAZ)
Plug

1



Description	Dimension	Part name	Part number
A Plug		DIX KCZMER 330 Z	624061330
B Plug		DIX KCZMER 330 SAZ	624061331
1 Extraction angle (short), complete		DIX 75-1-250 R/001	619750004
2 Fixing ring		DIX 12-3-510 HR	6391250013
3 Plug housing		DIX 12-3-510 SG	6391250011
4 Connection hose, blue	0.60 m	DIX VL 170 BLAU	629171003
5 Connection hose, red	0.60 m	DIX VL 171 ROT	629171004
6 Cap, red		DIX VL 173	629172002
7 Cap, blue		DIX VL 172	629172001
8 Water plug	ø 5.0 mm	DIX 16-2	629160000
9 Plug insert		DIX ME 300 SEZ	639116064
10 Holding screw (10 pcs.)		DIX ME 300 HS	629070005
11 Plug insert		DIX ME 300 SAZ	639116061
12 Clamp sleeve, without block for capillary liner		DIX 27-2 MAP	629270041
13 Clamp sleeve, with block for liner		DIX 27-2 SA	629270040
14 Clamp nut		DIX 28-2 SA	629280040



Fume extraction - Integrated versions

liquid-cooled torch sets

DIX MRZ 330 (SAZ) up to 400A

Properties

- ▶ Pollutants will be sucked off directly at the point of origin
- ▶ Extraction output adjustable via bypass
- ▶ High effectiveness by easy and mobile handling
- ▶ Flexible supply hose
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gas reduction by laminar gas flow and design of the tip adapter
- ▶ No gas loss due to separate shield gas feed



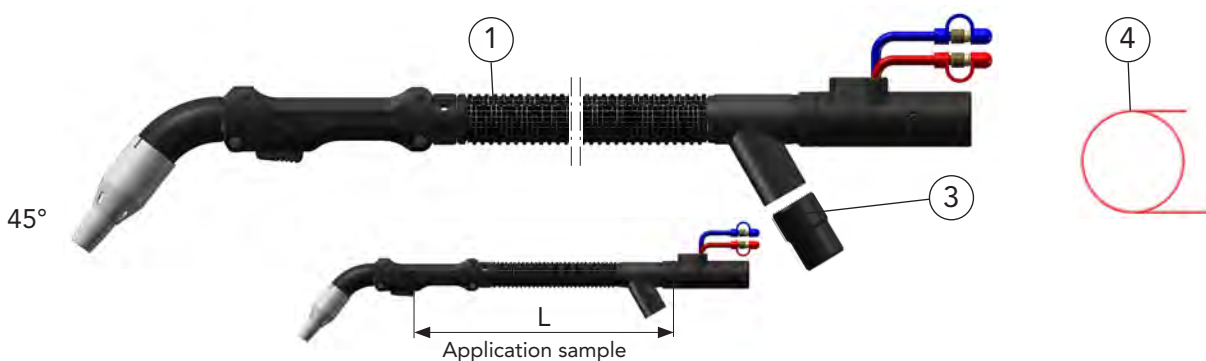
DIX MRZ 330

Application

- ▶ Abidance by the health-, work- and environment protection values at welding and brazing
- ▶ Conversion kit for simple replacement of the handle
- ▶ Torch set separated from the extraction hose for easy service

Technical data (DIN EN 60 974-7):

CO ₂ :	duty cycle 400A/60%
Mixed gas:	320A/60%
Wire diameter::	1.0 - 1.2 mm



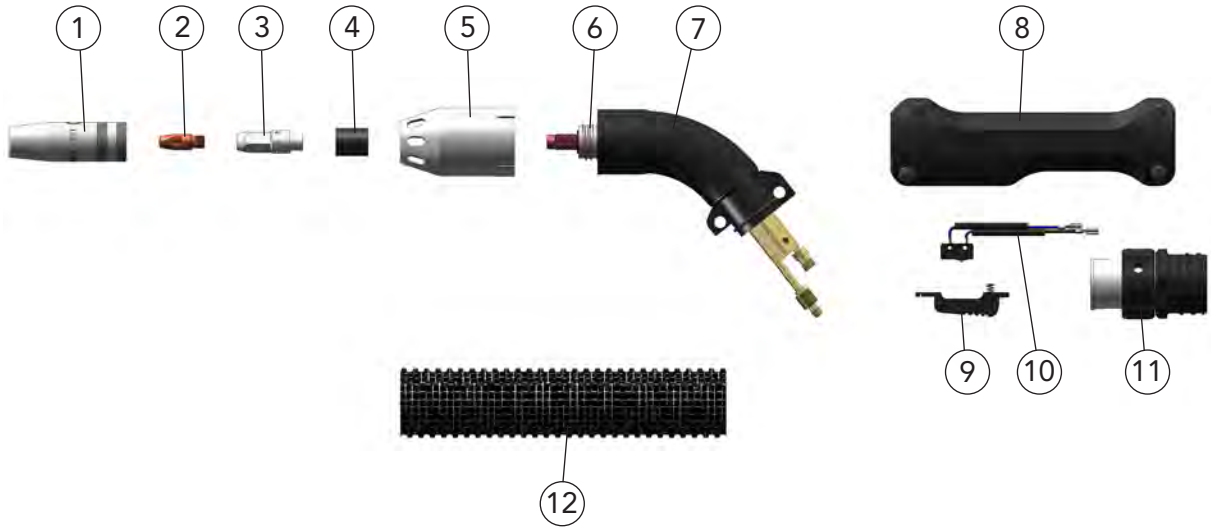
Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MRZ 330-3	620363330
Torch set	4.00 m	DIX MRZ 330-4	620363340
2 Torch set, not shown	3.00 m	DIX MRZ 330-3 SAZ	620363331
Torch set, not shown	4.00 m	DIX MRZ 330-4 SAZ	620363341
3 Connection piece		DIX HCA 45/50 MR/MRZ	629770000
4 Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345
O-Ring, not shown	10 pcs.		629900218

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



Torch sets DIX MRZ 330 (SAZ)



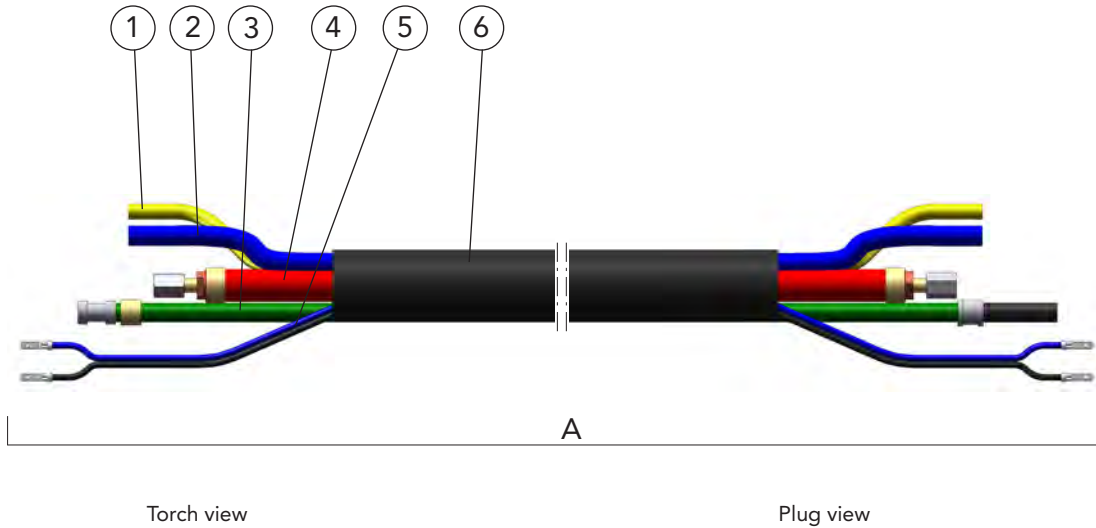
Description	Dimension	Part name	Part number
1 Gas nozzle	ø 15 mm	DIX 1-2-315 TR	6290103150
2 Contact tip	M8 x 28 mm	DIX 3-2-__ M8	6290301__
Contact tip	M8 x 28 mm	DIX 3-2-__ M8 CR-ZR	6290331__
Contact tip	M6 x 28 mm	DIX 3-2-__	6290300__
Contact tip	M6 x 28 mm	DIX 3-2-__ CR-ZR	6290330__
3 Tip adapter	M8	DIX 4-2-K M8	629040110
Tip adapter	M6	DIX 4-2-K M6	629040010
4 Insulating sleeve		DIX 10-2	629100000
5 Extraction nozzle		DIX 71-2-350 R	629710350
6 Torch neck	52°	DIX 6-2-330 RZ 52°	629061633
7 Expiration bow	52°	DIX 72-2-330 R 52°	629720330
8 Handle		DIX 7-1-250 R	619076250
9 Trigger		DIX 9-2	629090000
10 Micro switch		DIX 8-2 R	629080004
11 Hose connection		DIX 73-2-350 R	629730350
12 Extraction hose	3.00 m	DIX 74-2-350-3 R	629740353
Extraction hose	4.00 m	DIX 74-2-350-4 R	629740354

-- Enter the required wire diameter, e.g.: 10 = 1.0 mm oder 12 = 1.2 mm.

► Standard equipment for wire diameter 1.0 mm steel with gas nozzle DIX 1-2-315 TR, contact tip DIX 3-2-1.0 M8, tip adapter DIX 4-2-K M8 and liner DIX DS 4/1.8. Variants deviating of the standard fittings on request.



Torch sets DIX MRZ 330 (SAZ)
Supply hose



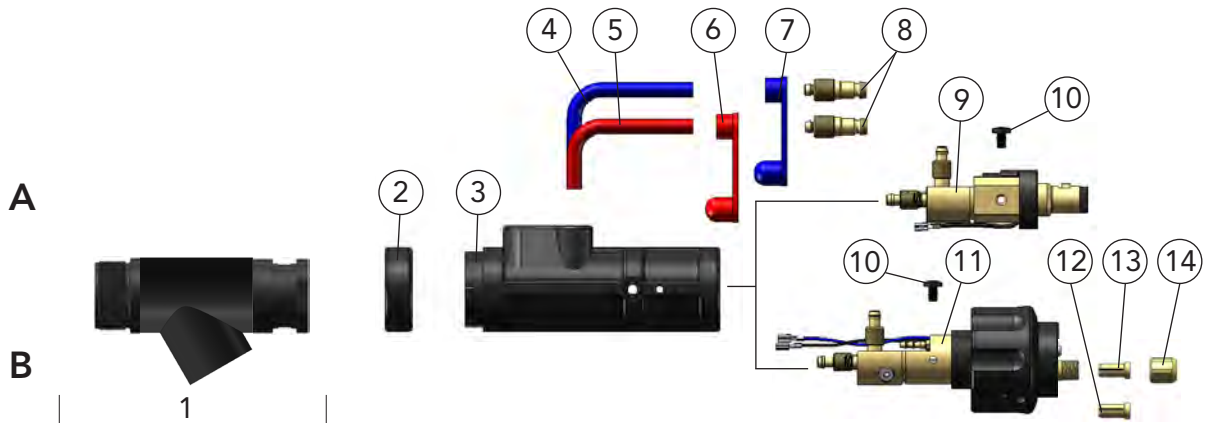
Description	Part name	Part number
A Supply hose	DIX VLMRZ 300-__	61236230__
1 Gas hose	DIX VL 180-__	639186001__
2 Water hose	DIX VL 170-50 BLAU	629171001
3 Conduit hose	DIX VLM 2010-__	6292016__
4 Combi cable	DIX 22-2-303-__	6292213__
5 Control wire	DIX VLM 211-__	6292110__
6 Sealing hose	DIX VLMRZ 230-0.4	612362303011

-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m and 4.0 m



Torch sets DIX MRZ 330 (SAZ) Plug

1



Description	Dimension	Part name	Part number
A Plug		DIX KCZMER 330 Z	624061330
B Plug		DIX KCZMER 330 SAZ	624061331
1 Extraction angle (short), complete		DIX 75-1-250 R/001	619750004
2 Fixing ring		DIX 12-3-510 HR	6391250013
3 Plug housing		DIX 12-3-510 SG	6391250011
4 Connection hose, blue	0.60 m	DIX VL 170 BLAU	629171003
5 Connection hose, red	0.60 m	DIX VL 171 ROT	629171004
6 Cap, red		DIX VL 173	629172002
7 Cap, blue		DIX VL 172	629172001
8 Water plug	ø 5.0 mm	DIX 16-2	629160000
9 Plug insert		DIX ME 300 SEZ	639116064
10 Holding screw (10 pcs.)		DIX ME 300 HS	629070005
11 Plug insert		DIX ME 300 SAZ	639116061
12 Clamp sleeve, without block for capillary liner		DIX 27-2 MAP	629270041
13 Clamp sleeve, with block for liner		DIX 27-2 SA	629270040
14 Clamp nut		DIX 28-2 SA	629280040



Fume extraction - Integrated versions liquid-cooled torch sets

DIX MRZ 350 (SAZ) up to 450A

Properties

- ▶ Pollutants will be sucked off directly at the point of origin
- ▶ Extraction output adjustable via bypass
- ▶ High effectiveness by easy and mobile handling
- ▶ Flexible supply hose
- ▶ Gas nozzle with rugged trapezoidal thread
- ▶ Optimum gas coverage by recessed contact tip
- ▶ Gas reduction by laminar gas flow and design of the tip adapter
- ▶ No gas loss due to separate shield gas feed



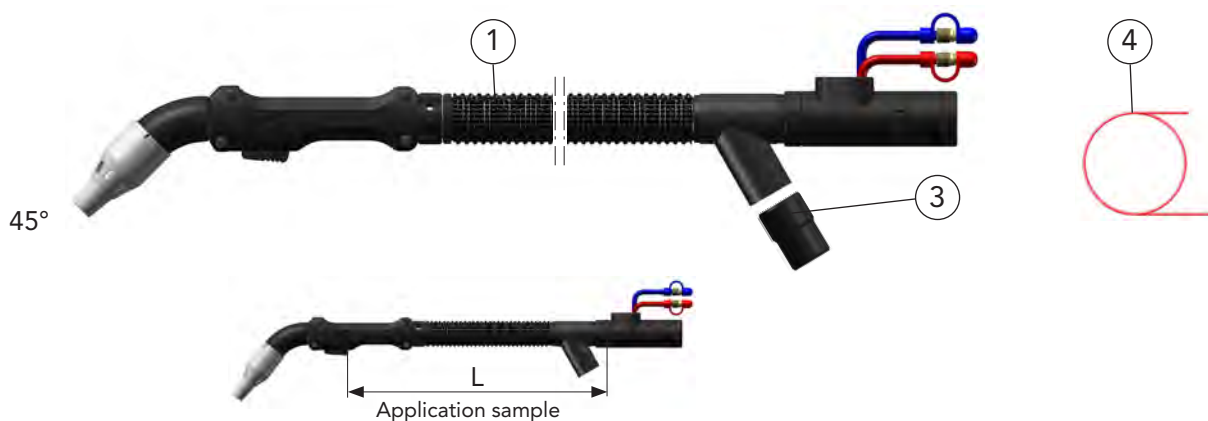
DIX MRZ 350

Application

- ▶ Abidance by the health-, work- and environment protection values at welding and brazing
- ▶ Conversion kit for simple replacement of the handle
- ▶ Torch set separated from the extraction hose for easy service

Technical data (DIN EN 60 974-7):

	duty cycle
CO ₂ :	450A/60%
Mixed gas:	400A/60%
Wire diameter::	0.9 - 1.2 mm



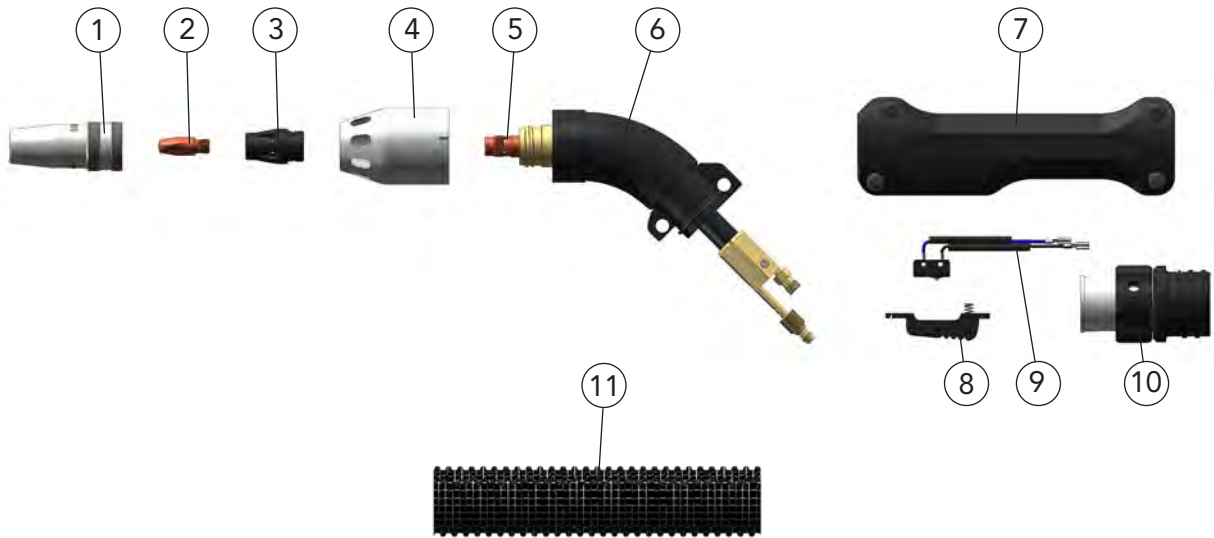
	Description	Dimension	Part name	Part number
1	Torch set	3.00 m	DIX MRZ 350-3	620363530
	Torch set	4.00 m	DIX MRZ 350-4	620363540
2	Torch set, not shown	3.00 m	DIX MRZ 350-3 SAZ	620363531
	Torch set, not shown	4.00 m	DIX MRZ 350-4 SAZ	620363541
3	Connection piece		DIX HCA 45/50 MR/MRZ	629770000
4	Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
	Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345
	O-Ring, not shown	10 pcs.		629900218

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



Torch sets DIX MRZ 350 (SAZ)



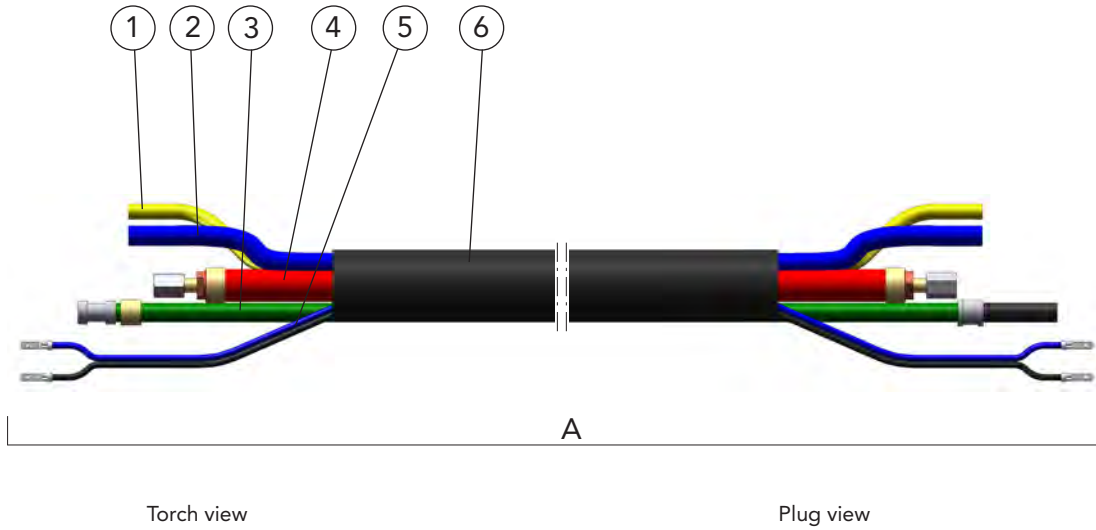
Description	Dimension	Part name	Part number
1 Gas nozzle	ø 15 mm	DIX 1-2-415	629010415
2 Contact tip	M8 x 28 mm	DIX 3-2-__ M8	6290301__
Contact tip	M8 x 28 mm	DIX 3-2-__ M8 CR-ZR	6290331__
3 Gas diffuser		DIX 10-2-304	629100324
4 Extraction nozzle		DIX 71-2-350 RZ	629711350
5 Torch neck		DIX 6-2-350 RZ	629061635
6 Expiration bow		DIX 72-2-350 R	629720350
7 Handle		DIX 7-1-250 R	619076250
8 Trigger		DIX 9-2	629090000
9 Micro switch		DIX 8-2 R	629080004
10 Hose connection		DIX 73-2-350 R	629730350
11 Extraction hose		DIX 74-2-350-3 R	629740353
Extraction hose		DIX 74-2-350-4 R	629740354

-- Enter the required wire diameter, e.g.: 10 = 1.0 mm oder 12 = 1.2 mm.

- Standard equipment for wire diameter 1.2 mm steel with gas nozzle DIX 1-2-415, contact tip DIX 3-2-1.2 M8 and liner DIX DS 4/1.8. Variants deviating of the standard fittings on request.



Torch sets DIX MRZ 350 (SAZ)
Supply hose



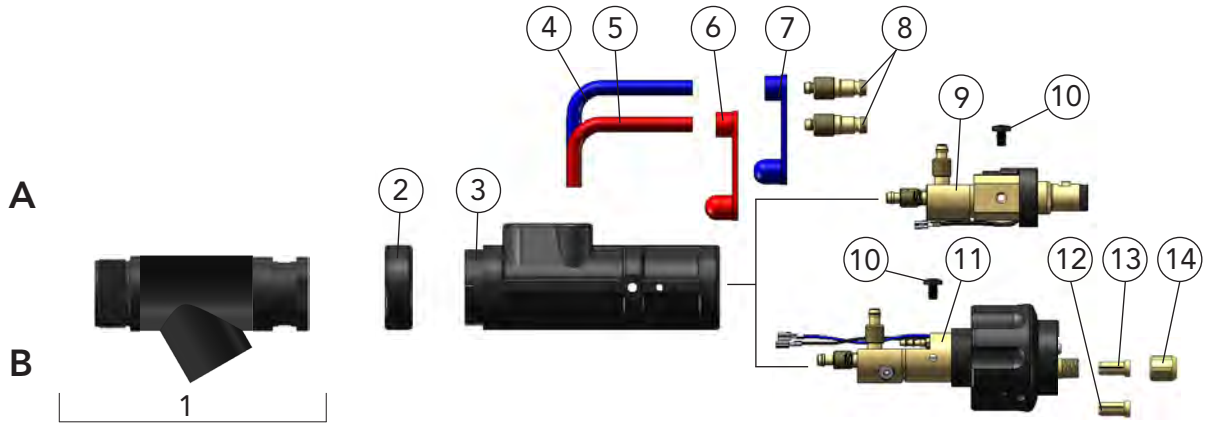
Description	Part name	Part number
A Supply hose	DIX VLMRZ 300-__	61236230__
1 Gas hose	DIX VL 180-__	639186001__
2 Water hose	DIX VL 170-50 BLAU	629171001
3 Conduit hose	DIX VLM 2010-__	6292016__
4 Combi cable	DIX 22-2-303-__	6292213__
5 Control wire	DIX VLM 211-__	6292110__
6 Sealing hose	DIX VLMRZ 230-0.4	612362303011

-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m and 4.0 m



Torch sets DIX MRZ 350 (SAZ) Plug

1



Description	Dimension	Part name	Part number
A Plug		DIX KCZMER 330 Z	624061330
B Plug		DIX KCZMER 330 SAZ	624061331
1 Extraction angle (short), complete		DIX 75-1-250 R/001	619750004
2 Fixing ring		DIX 12-3-510 HR	6391250013
3 Plug housing		DIX 12-3-510 SG	6391250011
4 Connection hose, blue	0.60 m	DIX VL 170 BLAU	629171003
5 Connection hose, red	0.60 m	DIX VL 171 ROT	629171004
6 Cap, red		DIX VL 173	629172002
7 Cap, blue		DIX VL 172	629172001
8 Water plug	ø 5.0 mm	DIX 16-2	629160000
9 Plug insert		DIX ME 300 SEZ	639116064
10 Holding screw (10 pcs.)		DIX ME 300 HS	629070005
11 Plug insert		DIX ME 300 SAZ	639116061
12 Clamp sleeve, without block for capillary liner		DIX 27-2 MAP	629270041
13 Clamp sleeve, with block for liner		DIX 27-2 SA	629270040
14 Clamp nut		DIX 28-2 SA	629280040



Fume extraction - Integrated versions liquid-cooled torch sets

DIX MRZ 3300 (NW36) up to 400 A

Properties

- ▶ Pollutants will be sucked off directly at the point of origin
- ▶ Suction adjustable with one hand during the welding process
- ▶ Ergonomic construction
- ▶ Impact resistant handle made of fiber-glass-reinforced high-performance plastic
- ▶ Encapsulated switch
- ▶ Flexible supply hose with light, flexible extraction bow
- ▶ Two different cover hose sets available (Ø 29 mm or 36 mm)
- ▶ Gas nozzle with wear resistant trapezoidal thread
- ▶ Weight: approx 1.4 kg at 1 m supply hose (incl. extraction bow)
- ▶ Abidance by the health-, work- and environment protection values at welding and brazing

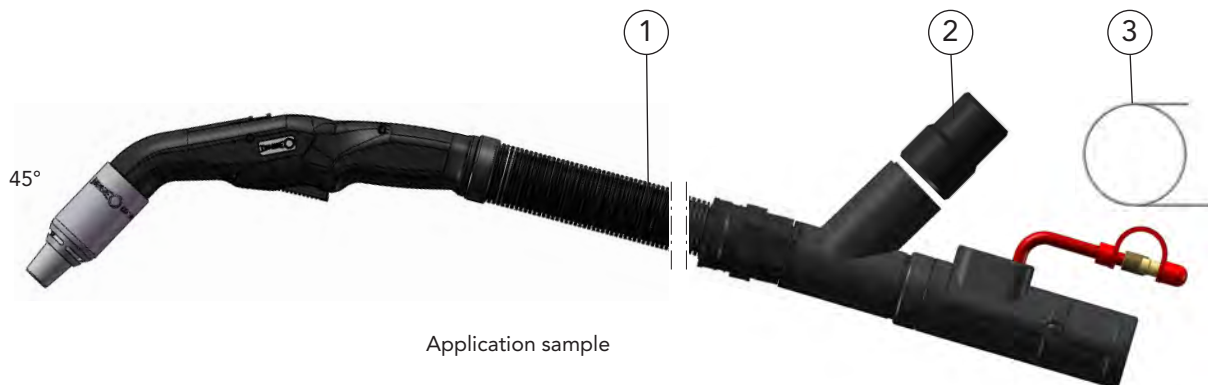
Technical data (DIN EN 60 974-7):

CO ₂ :	duty cycle 400A/60%
Mixed gas:	320A/60%
Wire diameter:	1.0 - 1.2 mm



Application

- ▶ Non- and low alloyed steels
- ▶ High alloyed steels
- ▶ Copper alloys for the MSG brazing
- ▶ Aluminum-, magnesium- and nickel alloys



Application sample

	Description	Dimension	Part name	Part number
1	Torch set	3.00 m	DIX MRZ 3300-3	620369430
	Torch set	4.00 m	DIX MRZ 3300-4	620369440
	Torch set	5.00 m	DIX MRZ 3300-5	620369450
	Torch set, not shown	3.00 m	DIX MRZ 3300-3 /NW36	620369330
	Torch set, not shown	4.00 m	DIX MRZ 3300-4 /NW36	620369340
	Torch set, not shown	5.00 m	DIX MRZ 3300-5 /NW36	620369350
	2	Connection piece		DIX HCA 45/50 MR/MRZ
O-Ring, not shown		10 pieces		629900218
3	Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
	Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345
	Liner	ø 2.2 mm/5.5 m	DIX DS 4/2.2-5.5	623000355

* NW36 = Nominal width of the cover hose

- ▶ Leather hose as protective cover hose with Velcro fastener, see page 259

Hint: Other liners, capillary liners and service tools you will find in Chapter Tools and Accessories.



Fume extraction - Integrated versions liquid-cooled torch sets

DIX MRZ 3300 SAZ (N) NW36 up to 400 A

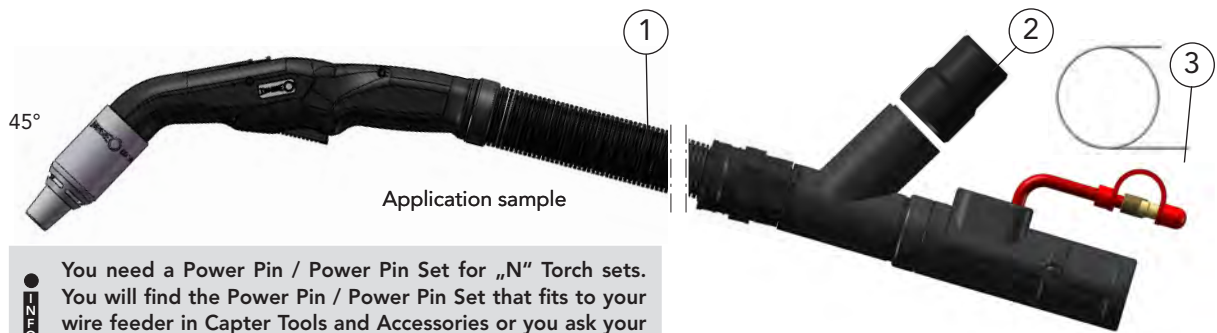


Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MRZ 3300-3 SAZ /NW36	620369331
Torch set	4.00 m	DIX MRZ 3300-4 SAZ /NW36	620369341
Torch set	5.00 m	DIX MRZ 3300-5 SAZ /NW36	620369351
Torch set	3.00 m	DIX MRZ 3300-3 SAZ	620369431
Torch set	4.00 m	DIX MRZ 3300-4 SAZ	620369441
Torch set	5.00 m	DIX MRZ 3300-5 SAZ	620369451
2 Connection piece		DIX HCA 45/50 MR/MRZ	629770000
O-Ring, not shown	10 pieces		629900218
3 Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345
Liner	ø 2.2 mm/5.5 m	DIX DS 4/2.2-5.5	623000355

* NW36 = Nominal width of the cover hose

▶ Leather hose as protective cover hose with Velcro fastener, see page 259

Hint: Other liners, capillary liners and service tools you will find in Chapter Tools and Accessories.



NOTE You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MRZ 3300-3 N /NW36	620369334
Torch set	4.00 m	DIX MRZ 3300-4 N /NW36	620369344
Torch set	5.00 m	DIX MRZ 3300-5 N /NW36	620369354
Torch set	3.00 m	DIX MRZ 3300-3 N	620369434
Torch set	4.00 m	DIX MRZ 3300-4 N	620369444
Torch set	5.00 m	DIX MRZ 3300-5 N	620369454
2 Connection piece		DIX HCA 45/50 MR/MRZ	629770000
O-Ring, not shown	10 pieces		629900218
3 Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345
Liner	ø 2.2 mm/5.5 m	DIX DS 4/2.2-5.5	623000355

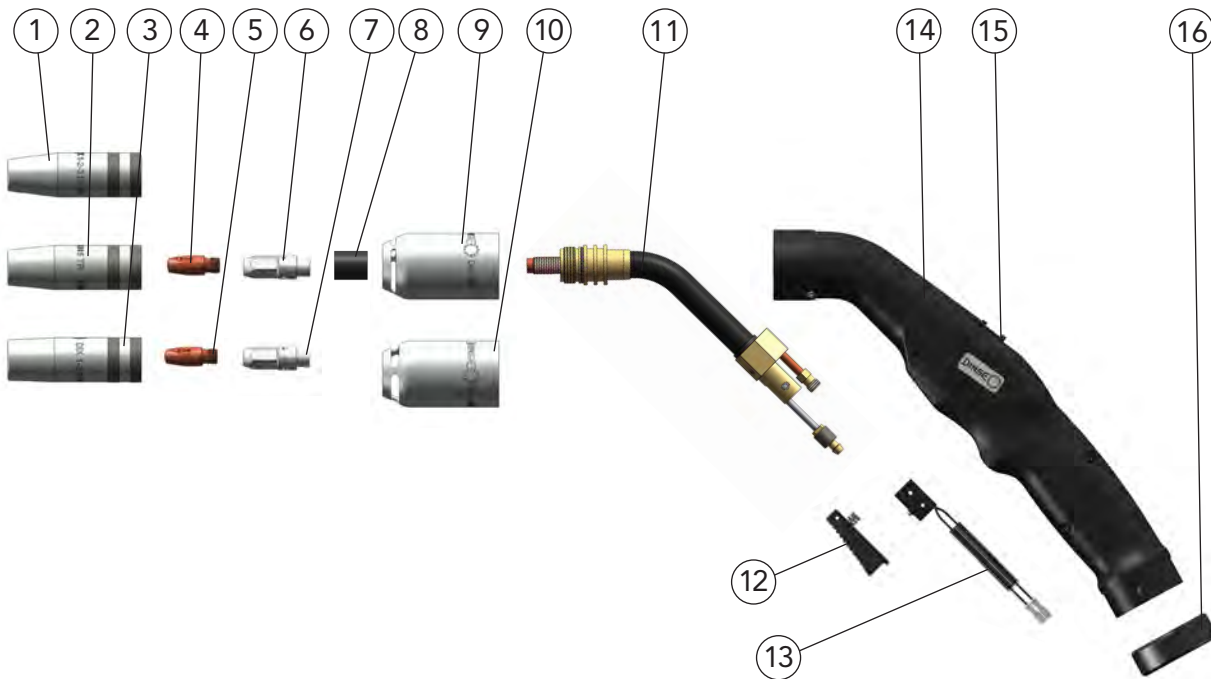
* NW36 = Nominal width of the cover hose

▶ Leather hose as protective cover hose with Velcro fastener, see page 259

Hint: Other liners, capillary liners and service tools you will find in Chapter Tools and Accessories.



Torch sets DIX MRZ 3300 (SAZ) (N) NW36



	Description	Dimensionen		Part name	Part number
1	Gas nozzle	∅ 13 mm	DIX	1-2-313 TR	6290103130
2	Gas nozzle	∅ 15 mm	DIX	1-2-315 TR	6290103150
3	Gas nozzle	∅ 18 mm	DIX	1-2-318 TR	6290103180
4	Contact tip	M8 x 28 mm	DIX	3-2-__ M8	6290301__
	Contact tip	M8 x 28 mm	DIX	3-2-__ M8 CR-ZR	6290331__
5	Contact tip	M6 x 28 mm	DIX	3-2-__	6290300__
	Contact tip	M6 x 28 mm	DIX	3-2-__ CR-ZR	6290330__
6	Tip adapter	M8	DIX	4-2-K M8	629040110
7	Tip adapter	M6	DIX	4-2-K M6	629040010
8	Insulating sleeve		DIX	10-2	629100000
9	Extraction nozzle	Extraction slot width 3 mm	DIX	SN 2	629071116
10	Extraction nozzle	Extraction slot width 5 mm	DIX	SN 4	629071152
11	Torch neck	45°	DIX	6-2-3300 RZ	6290643300
12	Trigger		DIX	S 5	629071147
13	Microswitch		DIX	8-2	629080000
14	Housing, with Pos. 15, 16 and screw set DIX SS 1		DIX	H FE 1	629071110
15	Reducer		DIX	FE R 1	629071109
16	Fixing ring		DIX	12-3-510 HR	6391250013
	Screw set, not shown		DIX	SS 1	629071124

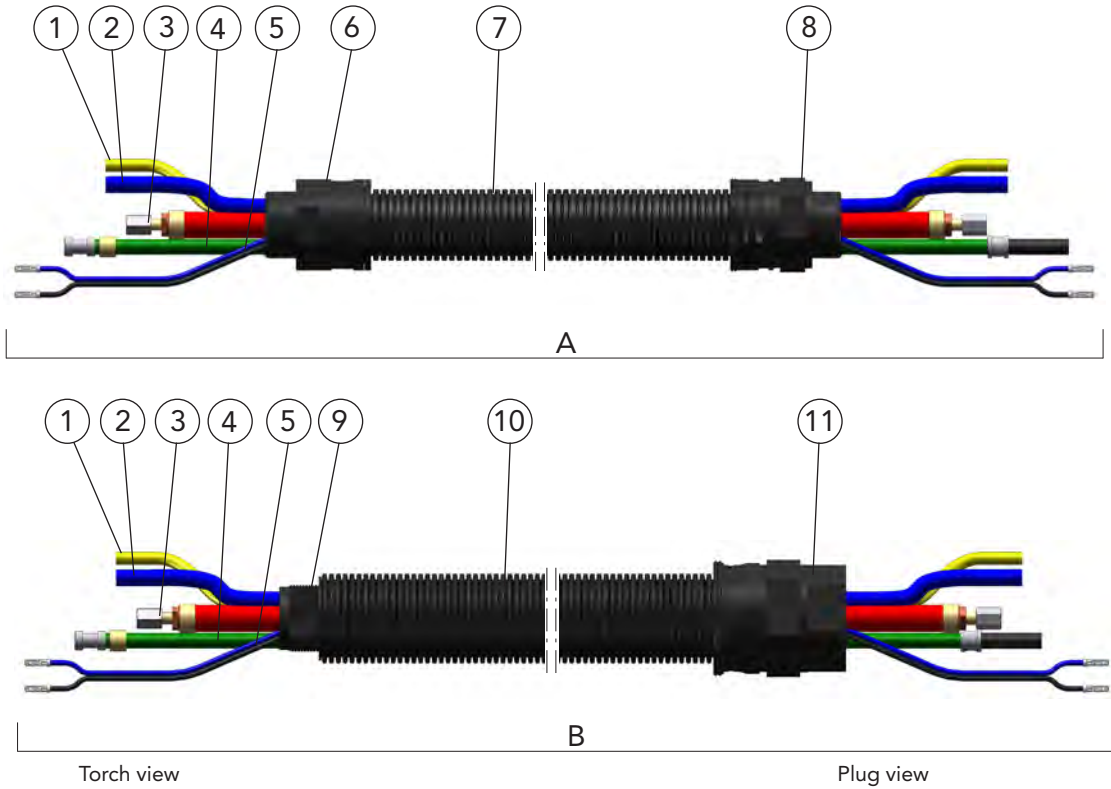
-- Enter the required wire diameter, e.g.: 10 = 1.0 mm or 12 = 1.2 mm. .

- Standard equipment for wire diameter 1.2 mm steel with gas nozzle diameter, gas nozzle DIX 1-2-315 TR, contact tip DIX 3-2-1.2 M8, insulating sleeve DIX 10-2 and Liner DIX DS 4/2.2. . Variants deviating of the standard fittings on request.



Torch sets DIX MRZ 3300 (SAZ) (N) NW36

Supply hose



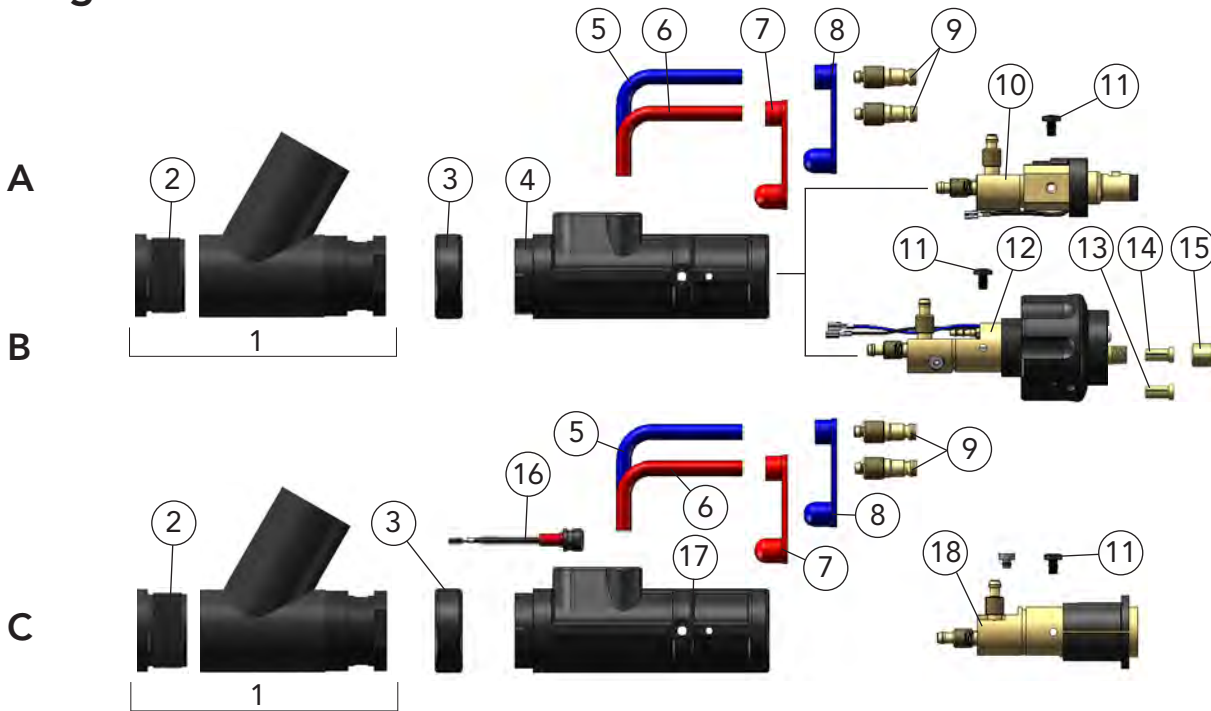
Description	Part name	Part number
A Supply hose	DIX VLMRZ 301-__	6224100__
B Supply hose, without Pos. 9	DIX VLMRZ 301-__/_NW36	6224200__
1 Gas hose	DIX VL 180-__	639186001__
2 Water hose, Flammex Only in combination with shield hose	DIX VL 175-__	6291750__
3 Combi cable Only in combination with shield hose	DIX 22-2-303-__	6292213__
4 Conduit hose	DIX VLM 2010-__	6292016__
5 Control wire	DIX VLM 211-__	6292110__
6 Clamp adapter, M32x1.5		629071126
7 Cover hose set, incl. Pos. 6 and 8	DIX VLMRZ 230-__	6292340__
8 Clamp adapter, 29/M32		629071125
9 Hose connector	DIX HC 1	629071135
10 Cover hose set, incl. Pos. 11	DIX VLMRZ 230-__/_NW36	6292380__
11 Clamp adapter, 36/M40 I		629250006
Protection tube set, not shown	DIX PTS 1	629071131

-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m, 4.0 m and 5.0 m.

▶ Leather hose as protective cover hose with Velcro fastener, see page 259



Torch sets DIX MRZ 3300 (SAZ) (N) NW36 Plug



DTZ You need a Power Pin / Power Pin Set for the compact plug DIX KCZMER 330 N (Pos. C). You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
A Plug*		DIX KCZMER 330 Z	624061330
B Plug*		DIX KCZMER 330 SAZ	624061331
C Plug*		DIX KCZMER 330 N	624061332
1 Extraction angle, compl., with pos. 19		DIX SBZ 1	629071122
Extraction angle, compl. (NW36. not shown) with cable seal DIX CS 1		DIX SBZ 2	629071153
2 Reduction		DIX TRF 1	629071118
Reduction (NW36. not shown)		DIX TRF 2	629071137
3 Fixing ring		DIX 12-3-510 HR	6391250013
4 Plug housing		DIX 12-3-510 SG	6391250011
5 Connection hose, blue	0.60 m	DIX VL 170 BLAU	629171003
6 Connection hose, red	0.60 m	DIX VL 171 ROT	629171004
7 Cap, red		DIX VL 173	629172002
8 Cap, blue		DIX VL 172	629172001
9 Water plug	ø 5.0 mm	DIX 16-2	629160000
10 Plug insert		DIX ME 300 SEZ	639116064
11 Holding screw (10 pcs.)		DIX ME 300 HS	629070005
12 Plug insert		DIX ME 300 SAZ	639116061
13 Clamp sleeve, without block for capillary liner		DIX 27-2 MAP	629270041
14 Clamp sleeve, with block for liner		DIX 27-2 SA	629270040
15 Clamp nut		DIX 28-2 SA	629280040
16 Round plug connector		DIX CS 600 SGN	6391250021
17 Plug housing		DIX ME 600 SGN	6391250020
18 Plug insert		DIX ME 600 N	639116076
Cable seal, not shown		DIX CS 1	629071119

Hint*: Pos. 2 and the cable seal DIX CS 1 are not included in compact plugs at delivery.



Fume extraction - Integrated versions

liquid-cooled torch sets

DIX MRZ 3300 /BJ/NW36 (1.5 LEDER) up to 400A

Properties

- High-quality ball joint with kink protection on the gun side
- Pollutants will be sucked off directly at the point of origin
- Suction adjustable with one hand during the welding process
- Ergonomic construction
- The excellent mobility of the ball joint allows fatigue-free working
- Impact resistant handle made of fiber-glass-reinforced high-performance plastic
- Encapsulated switch
- Gas nozzle with wear resistant trapezoidal thread
- Abidance by the health-, work- and environment protection values at welding and brazing



Version with ball joint

Application sample

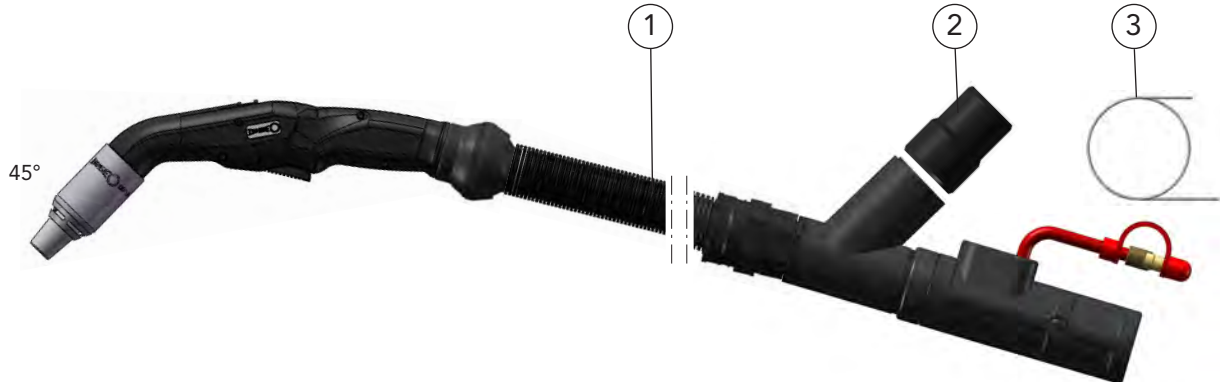
Technical data (DIN EN 60 974-7):

Dual-circuit liquid cooled

CO ₂ :	duty cycle 400A/60%
Mixed gas:	320A/60%
Wire diameter:	1.0 - 1.2 mm

Application

- Non- and low alloyed steels
- High alloyed steels
- Copper alloys for the MSG brazing
- Aluminum-, magnesium- and nickel alloys



Application sample

Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MRZ 3300-3/BJ/NW36/1.5 Leder	620369130
Torch set	4.00 m	DIX MRZ 3300-4/BJ/NW36/1.5 Leder	620369140
Torch set	5.00 m	DIX MRZ 3300-5/BJ/NW36/1.5 Leder	620369150
Torch set, not shown	3.00 m	DIX MRZ 3300-3 /BJ/NW36	620369230
Torch set, not shown	4.00 m	DIX MRZ 3300-4 /BJ/NW36	620369240
Torch set, not shown	5.00 m	DIX MRZ 3300-5 /BJ/NW36	620369250
2 Connection piece		DIX HCA 45/50 MR/MRZ	629770000
O-Ring, not shown	10 pieces		629900218
3 Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345
Liner	ø 2.2 mm/5.5 m	DIX DS 4/2.2-5.5	623000355

* NW36 = Nominal width of the cover hose

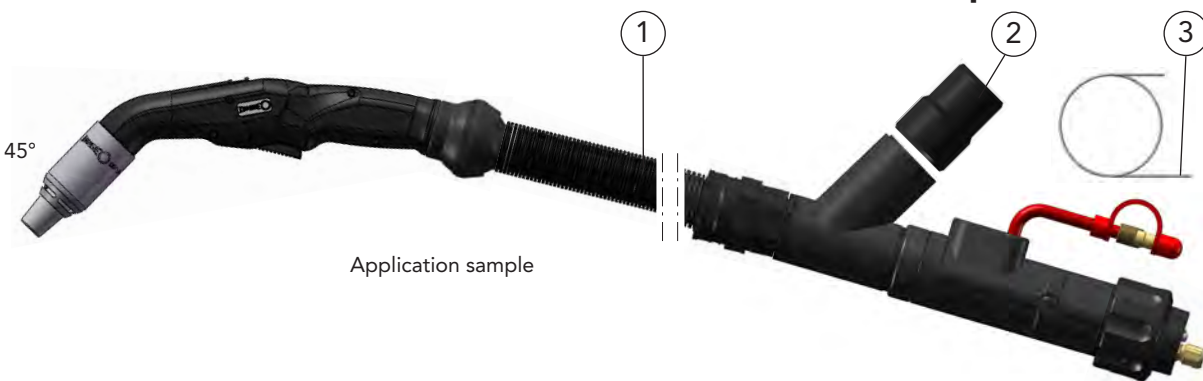
- Leather hose as protective cover hose with Velcro fastener, see page 259

Hint: Other liners, capillary liners and service tools you will find in Chapter Tools and Accessories.



Fume extraction - Integrated versions liquid-cooled torch sets

DIX MRZ 3300 SAZ (N) /BJ/NW36 (1.5 LEDER) up to 400 A



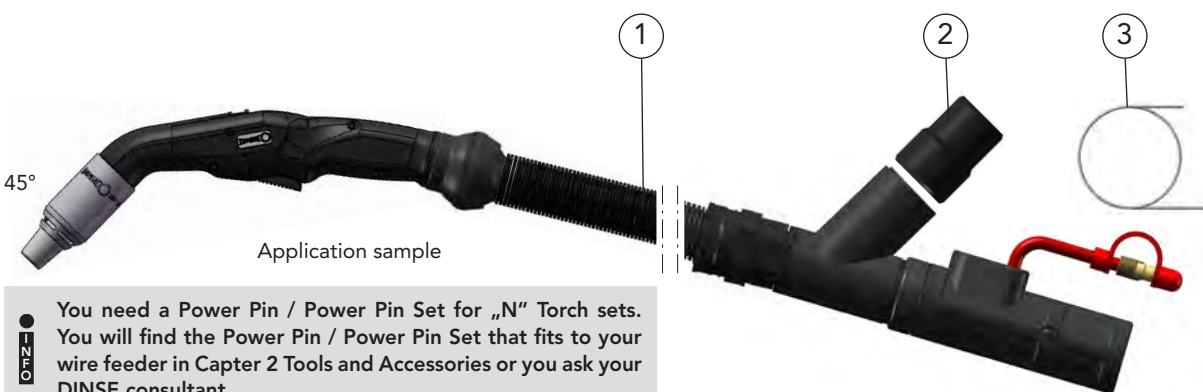
Application sample

	Description	Dimension	Part name	Part number
1	Torch set	3.00 m	DIX MRZ 3300-3 SAZ / BJ / NW36 / 1.5 Leder	620369131
	Torch set	4.00 m	DIX MRZ 3300-4 SAZ / BJ / NW36 / 1.5 Leder	620369141
	Torch set	5.00 m	DIX MRZ 3300-5 SAZ / BJ / NW36 / 1.5 Leder	620369151
	Torch set	3.00 m	DIX MRZ 3300-3 SAZ / BJ / NW36	620369231
	Torch set	4.00 m	DIX MRZ 3300-4 SAZ / BJ / NW36	620369241
	Torch set	5.00 m	DIX MRZ 3300-5 SAZ / BJ / NW36	620369251
	2	Connection piece		DIX HCA 45/50 MR/MRZ
O-Ring, not shown		10 pieces		629900218
3	Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
	Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345
	Liner	ø 2.2 mm/5.5 m	DIX DS 4/2.2-5.5	623000355

* NW36 = Nominal width of the cover hose

► Leather hose as protective cover hose with Velcro fastener, see page 259

Hint: Other liners, capillary liners and service tools you will find in Chapter Tools and Accessories.



Application sample

OTZ You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

	Description	Dimension	Part name	Part number
1	Torch set	3.00 m	DIX MRZ 3300-3 N / BJ / NW36 / 1.5 Leder	620369134
	Torch set	4.00 m	DIX MRZ 3300-4 N / BJ / NW36 / 1.5 Leder	620369144
	Torch set	5.00 m	DIX MRZ 3300-5 N / BJ / NW36 / 1.5 Leder	620369154
	Torch set	3.00 m	DIX MRZ 3300-3 N / BJ / NW36	620369234
	Torch set	4.00 m	DIX MRZ 3300-4 N / BJ / NW36	620369244
	Torch set	5.00 m	DIX MRZ 3300-5 N / BJ / NW36	620369254
	2	Connection piece		DIX HCA 45/50 MR/MRZ
O-Ring, not shown		10 pieces		629900218
3	Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
	Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345
	Liner	ø 2.2 mm/5.5 m	DIX DS 4/2.2-5.5	623000355

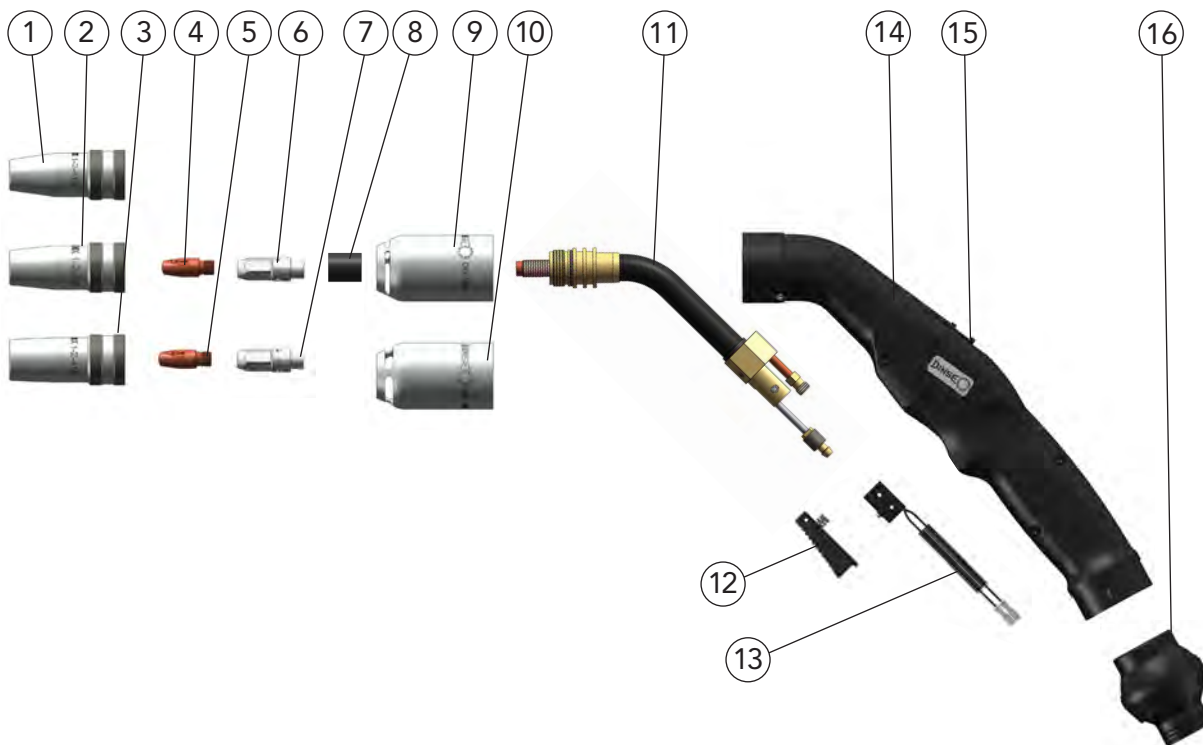
* NW36 = Nominal width of the cover hose

► Leather hose as protective cover hose with Velcro fastener, see page 259

Hint: Other liners, capillary liners and service tools you will find in Chapter Tools and Accessories.



Torch sets DIX MRZ 3300 (SAZ) (N) /BJ/NW36 (1.5 LEDER)



	Benennung	Dimensionen		Part name	Part number
1	Gas nozzle	∅ 13 mm	DIX	1-2-313 TR	6290103130
2	Gas nozzle	∅ 15 mm	DIX	1-2-315 TR	6290103150
3	Gas nozzle	∅ 18 mm	DIX	1-2-318 TR	6290103180
4	Contact tip	M8 x 28 mm	DIX	3-2-__ M8	6290301__
	Contact tip	M8 x 28 mm	DIX	3-2-__ M8 CR-ZR	6290331__
5	Contact tip	M6 x 28 mm	DIX	3-2-__	6290300__
	Contact tip	M6 x 28 mm	DIX	3-2-__ CR-ZR	6290330__
6	Tip adapter	M8	DIX	4-2-K M8	629040110
7	Tip adapter	M6	DIX	4-2-K M6	629040010
8	Insulating sleeve		DIX	10-2	629100000
9	Extraction nozzle	Extraction slot width 3 mm	DIX	SN 2	629071116
10	Extraction nozzle	Extraction slot width 5 mm	DIX	SN 4	629071152
11	Torch neck	45°	DIX	6-2-3300 RZ	6290643300
12	Trigger		DIX	S 5	629071147
13	Microswitch		DIX	8-2	629080000
14	Housing, with Pos. 15 and Screw set DIX SS 1		DIX	H FE 3	629071145
15	Reducer		DIX	FE R 1	629071109
16	Kugelgelenk		DIX	BJ 1	629071141
	Screw set, not shown		DIX	SS 1	629071124

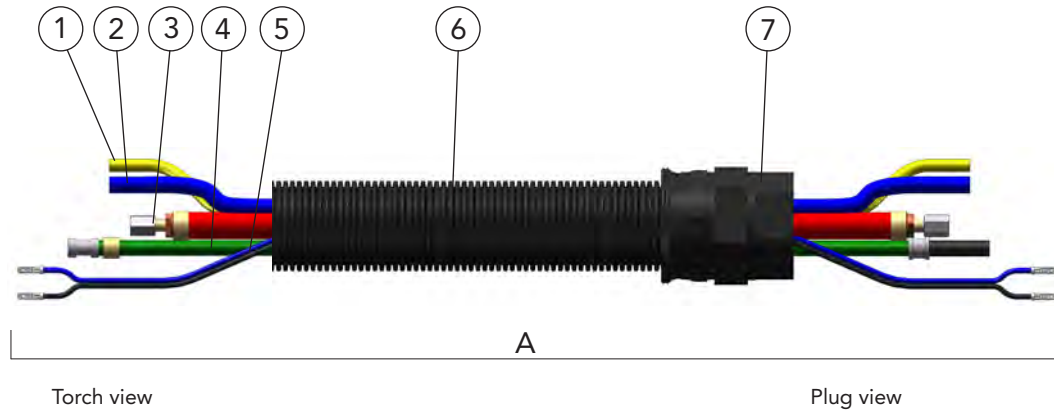
-- Enter the required wire diameter, e.g.: 10 = 1.0 mm or 12 = 1.2 mm. .

- ▶ Standard equipment for wire diameter 1.2 mm steel with gas nozzle diameter, gas nozzle DIX 1-2-315 TR, contact tip DIX 3-2-1.2 M8, insulating sleeve DIX 10-2 and Liner DIX DS 4/2.2. . Variants deviating of the standard fittings on request.



Torch sets DIX MRZ 3300 (SAZ) (N) /BJ/NW36 (1.5 LEDER) Supply hose

1



MIG/MAG Manual

Description	Part name	Part number
A Supply hose	DIX VLMRZ 301-_/NW36	6224200_
1 Gas hose	DIX VL 180-__	639186001_
2 Water hose, Flammex Only in combination with shield hose	DIX VL 175-__	6291750_
3 Combi cable Only in combination with shield hose	DIX 22-2-303-__	6292213_
4 Conduit hose	DIX VLM 2010-__	6292016_
5 Control wire	DIX VLM 211-__	6292110_
6 Cover hose set, incl. Pos. 7	DIX VLMRZ 230-_/NW36	6292380_
7 Clamp adapter, 36/M40 I		629250006
Protection tube set, not shown	DIX PTS 1	629071131

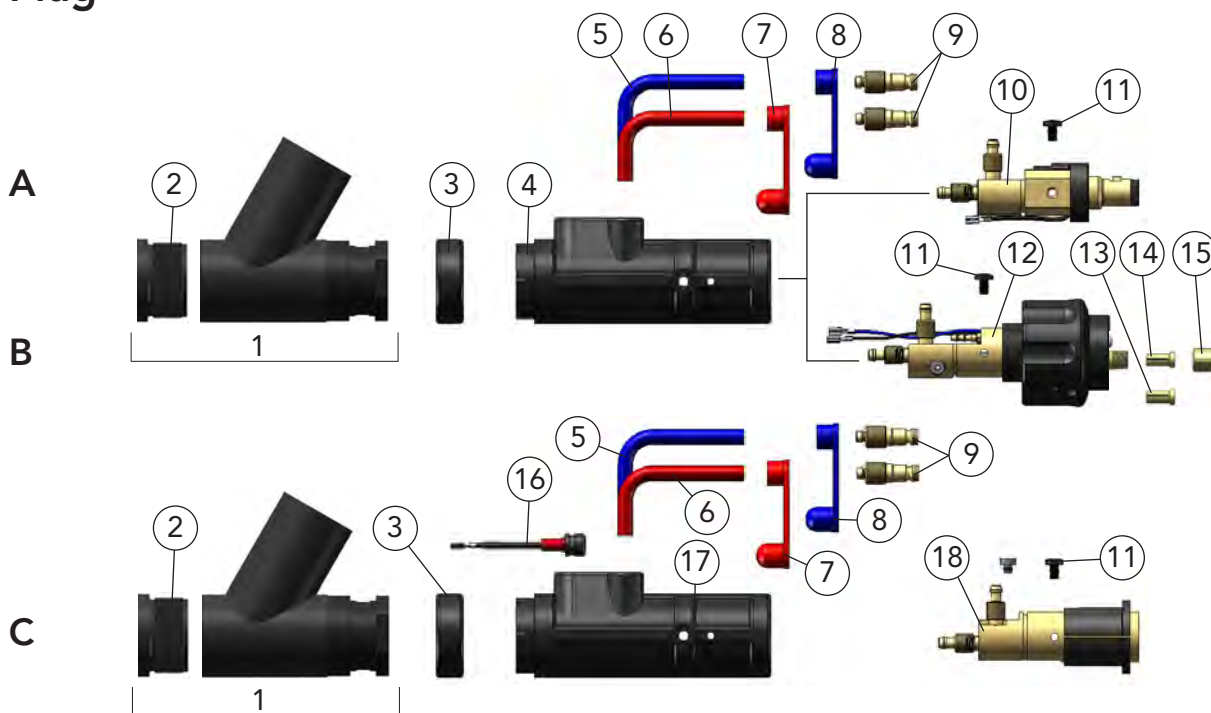
-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m oder 40 = 4.0 m.
Standard lengths: 3.0 m, 4.0 m and 5.0 m.

► Leather hose as protective cover hose with Velcro fastener, see page 259



Torch sets DIX MRZ 3300 (SAZ) (N) /BJ/NW36 (1.5 LEDER) Plug

1



OFF You need a Power Pin / Power Pin Set for the compact plug DIX KCZMER 330 N (Pos. C). You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
A Plug*		DIX KCZMER 330 Z	624061330
B Plug*		DIX KCZMER 330 SAZ	624061331
C Plug*		DIX KCZMER 330 N	624061332
1 Extraction angle, compl., with pos. 19		DIX SBZ 1	629071122
Extraction angle, compl. (NW36. not shown) with cable seal DIX CS 1		DIX SBZ 2	629071153
2 Reduction		DIX TRF 1	629071118
Reduction (NW36. not shown)		DIX TRF 2	629071137
3 Fixing ring		DIX 12-3-510 HR	6391250013
4 Plug housing		DIX 12-3-510 SG	6391250011
5 Connection hose, blue	0.60 m	DIX VL 170 BLAU	629171003
6 Connection hose, red	0.60 m	DIX VL 171 ROT	629171004
7 Cap, red		DIX VL 173	629172002
8 Cap, blue		DIX VL 172	629172001
9 Water plug	∅ 5.0 mm	DIX 16-2	629160000
10 Plug insert		DIX ME 300 SEZ	639116064
11 Holding screw (10 pcs.)		DIX ME 300 HS	629070005
12 Plug insert		DIX ME 300 SAZ	639116061
13 Clamp sleeve, without block for capillary liner		DIX 27-2 MAP	629270041
14 Clamp sleeve, with block for liner		DIX 27-2 SA	629270040
15 Clamp nut		DIX 28-2 SA	629280040
16 Round plug connector		DIX CS 600 SGN	6391250021
17 Plug housing		DIX ME 600 SGN	6391250020
18 Plug insert		DIX ME 600 N	639116076
Cable seal, not shown		DIX CS 1	629071119

Hint*: Pos. 2 and the cable seal DIX CS 1 are not included in compact plugs at delivery.



Fume extraction - Integrated versions liquid-cooled torch sets

DIX MRZ 304 (SAZ) (N) up to 500A

Properties

- ▶ Pollutants will be sucked off directly at the point of origin
- ▶ Suction adjustable with one hand during the welding process
- ▶ Ergonomic construction
- ▶ Impact resistant handle made of fiber-glass-reinforced high-performance plastic
- ▶ Encapsulated switch
- ▶ Flexible supply hose with light, flexible extraction bow
- ▶ Two different cover hose sets available (Ø 29 mm or 36 mm)
- ▶ Gas nozzle with wear resistant trapezoidal thread
- ▶ Weight: approx 1.4 kg at 1 m supply hose (incl. extraction bow)
- ▶ Abidance by the health-, work- and environment protection values at welding and brazing

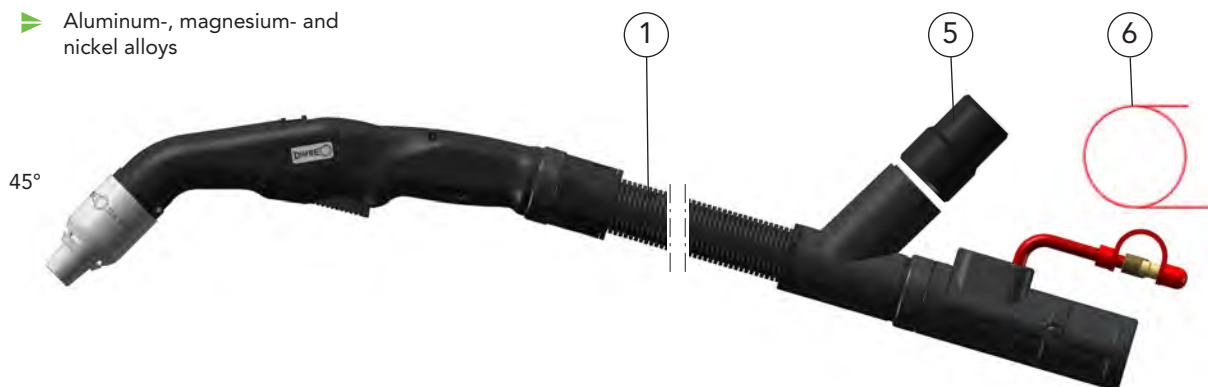
Application

- ▶ Non- and low alloyed steels
- ▶ High alloyed steels
- ▶ Copper alloys for the MSG brazing
- ▶ Aluminum-, magnesium- and nickel alloys



DIX MRZ 304

Technical data (DIN EN 60 974-7):	
Dual-circuit liquid cooled	
CO ₂ :	duty cycle 500A/60%
Mixed gas:	450A/60%
Wire diameter:	0.8 - 1.6 mm



NOTE You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MRZ 304-3	620360430
Torch set	4.00 m	DIX MRZ 304-4	620360440
2 Torch set, not shown	3.00 m	DIX MRZ 304-3 SAZ	620360431
Torch set, not shown	4.00 m	DIX MRZ 304-4 SAZ	620360441
3 Torch set, not shown	3.00 m	DIX MRZ 304-3 N	620360434
Torch set, not shown	4.00 m	DIX MRZ 304-4 N	620360444
4 Torch set, not shown	3.00 m	DIX MRZ 304-3/NW36*	620368430
Torch set, not shown	4.00 m	DIX MRZ 304-4/NW36*	620368440
5 Connection piece		DIX HCA 45/50 MR/MRZ	629770000
6 Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345
O-Ring, not shown	10 pieces		629900218

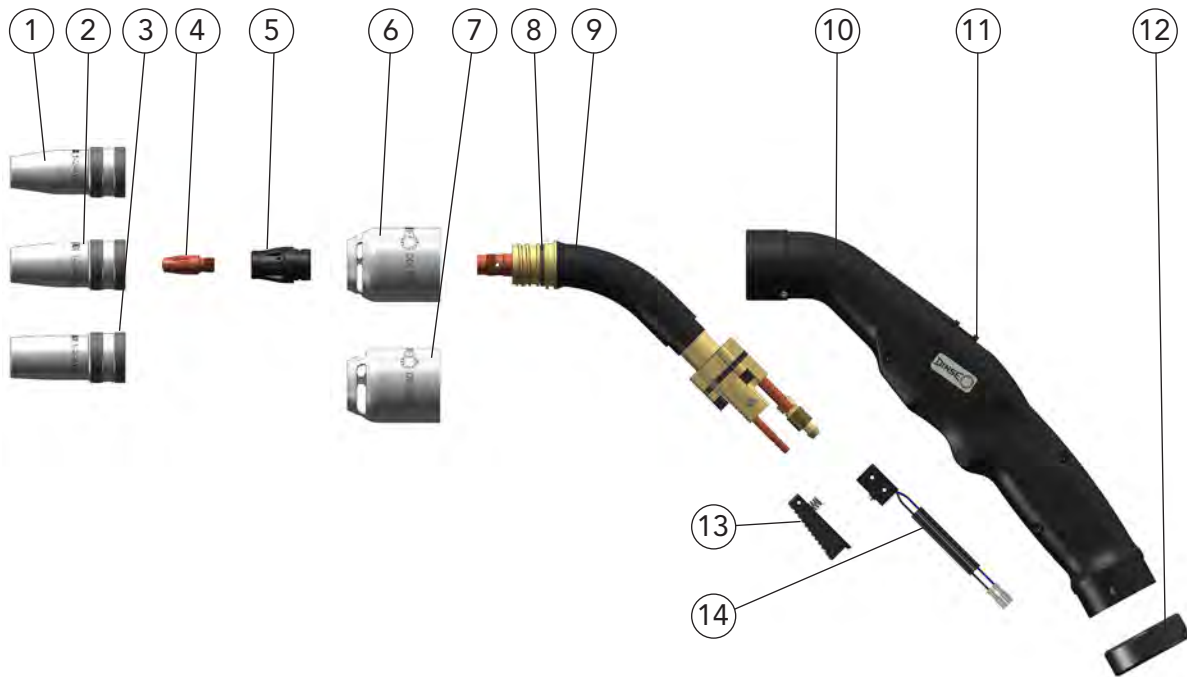
* NW36 = Nominal width of the cover hose

- ▶ Leather hose as protective cover hose with Velcro fastener, see page 259

Hint: Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



Torch sets DIX MRZ 304 (SAZ) (N)

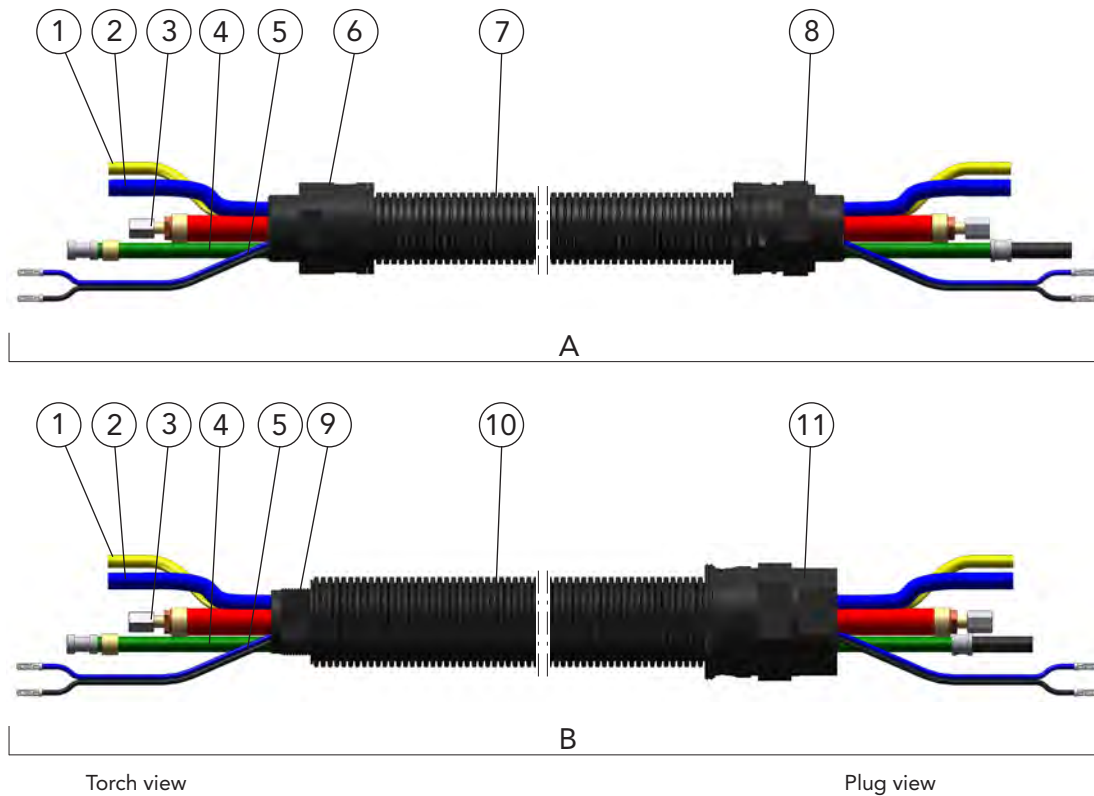


	Description	Dimension		Part name	Part number
1	Gas nozzle	ø 13 mm	DIX	1-2-413	629010413
2	Gas nozzle	ø 15 mm	DIX	1-2-415	629010415
3	Gas nozzle	ø 18 mm	DIX	1-2-418	629010418
4	Contact tip	M8 x 28 mm	DIX	3-2-__ M8	6290301__
	Contact tip	M8 x 28 mm	DIX	3-2-__ M8 CR-ZR	6290331__
5	Gas diffuser		DIX	10-2-304	629100324
6	Extraction nozzle	Extraction slot width 3 mm	DIX	SN 1	629071115
7	Extraction nozzle	Extraction slot width 5 mm	DIX	SN 3	629071150
8	O-Ring 19x2	(10 pcs.)			629061005
9	Torch neck	45°	DIX	6-2-304 Z 45°	629061340
10	Housing, with pos. 11 and 12		DIX	H FE 1	629071110
11	Reducer		DIX	FE R 1	629071109
12	Fixing ring		DIX	12-3-510 HR	6391250013
13	Trigger		DIX	S 5	629071147
14			DIX	8-2	629080000
15	Screw set, not shown		DIX	SS 1	629071124

-- Enter the required wire diameter, e.g.: 10 = 1.0 mm or 12 = 1.2 mm.

- ▶ Standard equipment for wire diameter 1.2 mm steel with gas nozzle DIX 1-2-415, contact tip DIX 3-2-1.2 M8 and liner DIX DS 4/2.2. Variants deviating of the standard fittings on request.

Torch sets DIX MRZ 304 (SAZ) (N) Supply hose



Description	Part name	Part number
A Supply hose	DIX VLMRZ 301-__	6224100__
B Supply hose	DIX VLMRZ 301-__/_NW36	6224200__
1 Gas hose	DIX VL 180-__	639186001__
2 Water hose, Flammex Only in combination with shield hose	DIX VL 175-__	6291750__
3 Combi cable Only in combination with shield hose	DIX 22-2-303-__	6292213__
4 Conduit hose	DIX VLM 2010-__	6292016__
5 Control wire	DIX VLM 211-__	6292110__
6 Clamp adapter, M32x1.5		629071126
7 Cover hose set, incl. pos. 6 and 8	DIX VLMRZ 230-__	6292340__
8 Clamp adapter, 29/M32		629071125
9 Hose connector, HC 1		629071135
10 Cover hose set, incl. pos. 9 and 11	DIX VLMRZ 230-__/_NW36	6292380__
11 Clamp adapter, 36/M40 I		629250006
Protection tube set, not shown	DIX PTS 1	629071131

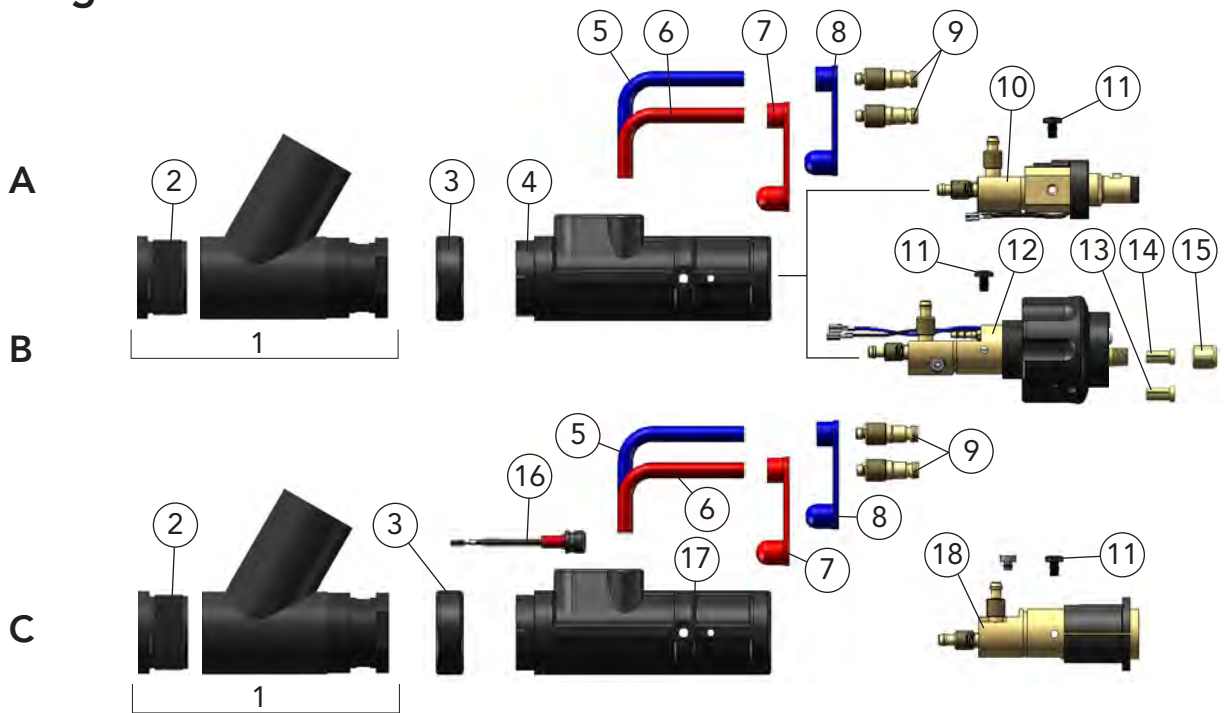
-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m and 4.0 m.

► Leather hose as protective cover hose with Velcro fastener, see page 259



Torch sets DIX MRZ 304 (SAZ) (N)

Plug



OFF You need a Power Pin / Power Pin Set for the compact plug DIX KCZMER 330 N (Pos. C). You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
A Plug*		DIX KCZMER 330 Z	624061330
B Plug*		DIX KCZMER 330 SAZ	624061331
C Plug*		DIX KCZMER 330 N	624061332
1 Extraction angle, compl., with pos. 19		DIX SBZ 1	629071122
Extraction angle, compl. (NW36. not shown) with pos. 19		DIX SBZ 2	629071153
2 Reduction		DIX TRF 1	629071118
Reduction (NW36. not shown)		DIX TRF 2	629071137
3 Fixing ring		DIX 12-3-510 HR	6391250013
4 Plug housing		DIX 12-3-510 SG	6391250011
5 Connection hose, blue	0.60 m	DIX VL 170 BLAU	629171003
6 Connection hose, red	0.60 m	DIX VL 171 ROT	629171004
7 Cap, red		DIX VL 173	629172002
8 Cap, blue		DIX VL 172	629172001
9 Water plug	ø 5.0 mm	DIX 16-2	629160000
10 Plug insert		DIX ME 300 SEZ	639116064
11 Holding screw (10 pcs.)		DIX ME 300 HS	629070005
12 Plug insert		DIX ME 300 SAZ	639116061
13 Clamp sleeve, without block for capillary liner		DIX 27-2 MAP	629270041
14 Clamp sleeve, with block for liner		DIX 27-2 SA	629270040
15 Clamp nut		DIX 28-2 SA	629280040
16 Round plug connector		DIX CS 600 SGN	6391250021
17 Plug housing		DIX ME 600 SGN	6391250020
18 Plug insert		DIX ME 600 N	639116076
19 Cable seal, not shown		DIX CS 1	629071119

Hint*: Pos. 2 and pos. 19 are not included in compact plugs at delivery.



Fume extraction - Integrated versions liquid-cooled torch sets

DIX MRZ 304 (SAZ) (N)/BJ/NW36 up to 500A

Properties

- ▶ High-quality ball joint with kink protection on the gun side
- ▶ Pollutants will be sucked off directly at the point of origin
- ▶ Suction adjustable with one hand during the welding process
- ▶ Ergonomic construction
- ▶ The excellent mobility of the ball joint allows fatigue-free working
- ▶ Impact resistant handle made of fiber-glass-reinforced high-performance plastic
- ▶ Encapsulated switch
- ▶ Gas nozzle with wear resistant trapezoidal thread
- ▶ Abidance by the health-, work- and environment protection values at welding and brazing

Technical data (DIN EN 60 974-7):

Dual-circuit liquid cooled

CO ₂ :	duty cycle 500A/60%
Mixed gas:	450A/60%
Wire diameter:	0.8 - 1.6 mm



Version with ball joint

Application sample

Application

- ▶ Non- and low alloyed steels
- ▶ High alloyed steels
- ▶ Copper alloys for the MSG brazing
- ▶ Aluminum-, magnesium- and nickel alloys



45°

Version with Euro-connector

Application sample

NOTE: You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

	Description	Dimension	Part name	Part number
1	Torch set	3.00 m	DIX MRZ 304-3 SAZ/BJ*/NW36**	620368531
	Torch set	4.00 m	DIX MRZ 304-4 SAZ/BJ*/NW36**	620368541
	Torch set	5.00 m	DIX MRZ 304-5 SAZ/BJ*/NW36**	620368551
2	Torch set	3.00 m	DIX MRZ 304-3 BJ*/NW36**	620368530
	Torch set	4.00 m	DIX MRZ 304-4 BJ*/NW36**	620368540
	Torch set	5.00 m	DIX MRZ 304-5 BJ*/NW36**	620368550
3	Torch set, not shown	3.00 m	DIX MRZ 304-3 N/BJ*/NW36**	620368534
	Torch set, not shown	4.00 m	DIX MRZ 304-4 N/BJ*/NW36**	620368544
	Torch set, not shown	5.00 m	DIX MRZ 304-5 N/BJ*/NW36**	620368554
4	Connection piece		DIX HCA 45/50 MR/MRZ	629770000
	Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
	Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345
5	Liner	ø 2.2 mm/5.5 m	DIX DS 4/2.2-5.5	623000355
	O-Ring, not shown	10 pcs.		629900218

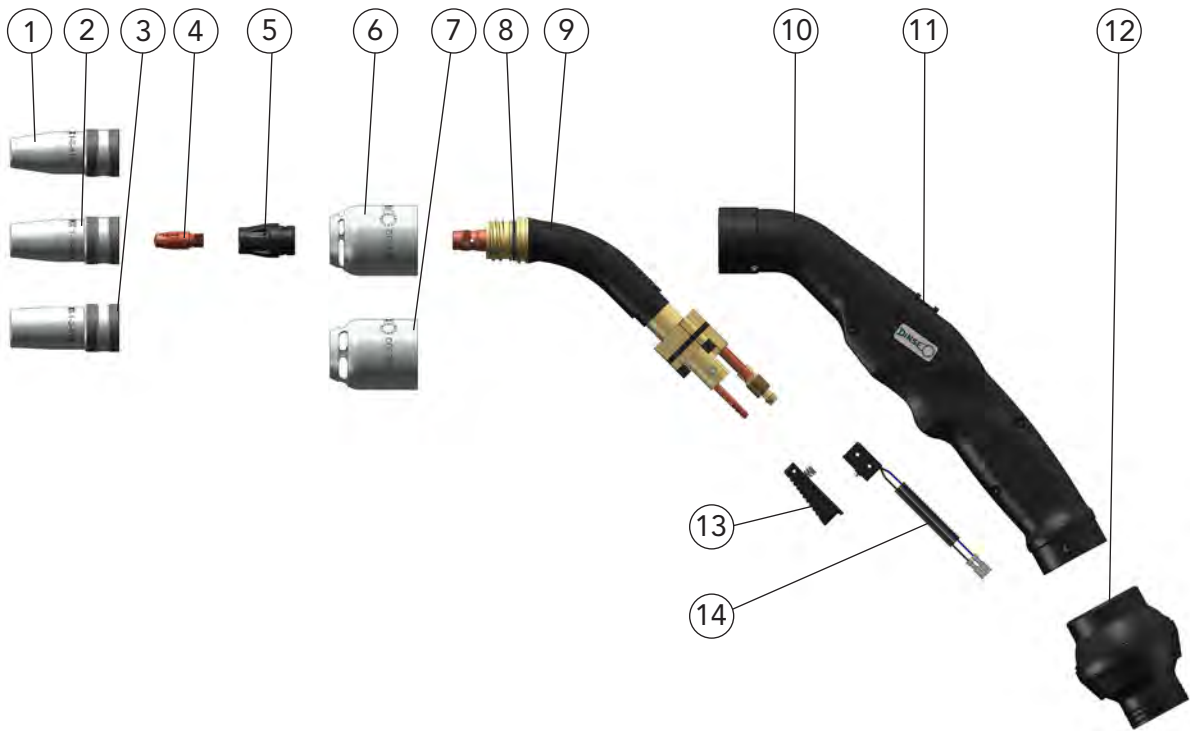
* BJ = Ball joint, ** NW36 = Nominal width of the cover hose

- ▶ Leather hose as protective cover hose with Velcro fastener, see page 259

Hint: Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



Torch sets DIX MRZ 304 (SAZ) (N)/BJ/NW36

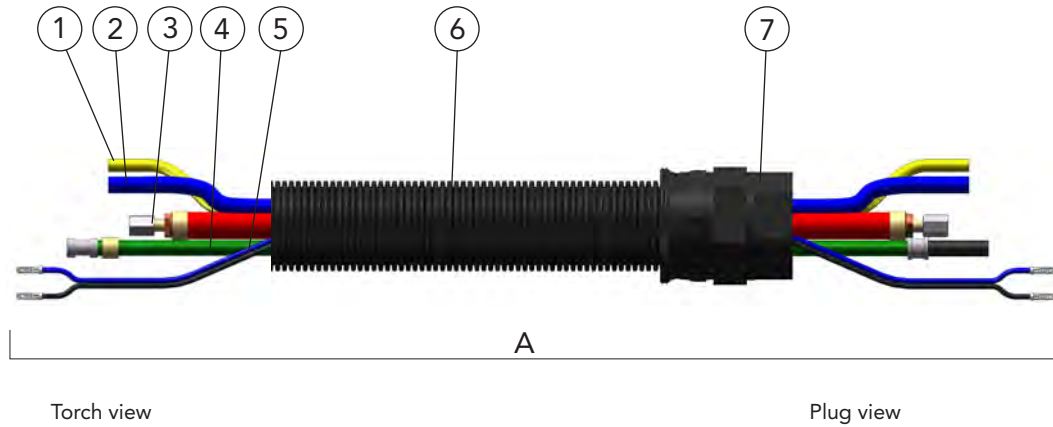


	Description	Dimension		Part name	Part number
1	Gas nozzle	ø 13 mm	DIX	1-2-413	629010413
2	Gas nozzle	ø 15 mm	DIX	1-2-415	629010415
3	Gas nozzle	ø 18 mm	DIX	1-2-418	629010418
4	Contact tip	M8 x 28 mm	DIX	3-2-__ M8	6290301__
	Contact tip	M8 x 28 mm	DIX	3-2-__ M8 CR-ZR	6290331__
5	Gas diffuser		DIX	10-2-304	629100324
6	Extraction nozzle	Extraction slot width 3 mm	DIX	SN 1	629071115
7	Extraction nozzle	Extraction slot width 5 mm	DIX	SN 3	629071150
8	O-Ring 19x2	(10 pcs.)			629061005
9	Torch neck	45°	DIX	6-2-304 Z 45°	629061340
10	Housing, with pos. 11		DIX	H FE 3	629071145
11	Reducer		DIX	FE R 1	629071109
12	Ball joint		DIX	BJ 1	629071141
13	Trigger		DIX	S 5	629071147
14	Microswitch		DIX	8-2	629080000
15	Screw set, not shown		DIX	SS 1	629071124

-- Enter the required wire diameter, e.g.: 10 = 1.0 mm or 12 = 1.2 mm.

- ▶ Standard equipment for wire diameter 1.2 mm steel with ga nozzle DIX 1-2-415, contact tip DIX 3-2-1.2 M8 and liner DIX DS 4/2.2. Variants deviating of the standard fittings on request.

Torch sets DIX MRZ 304 (SAZ) (N)/BJ/NW36 Supply hose



Description	Part name	Part number
A Supply hose	DIX VLMRZ 301-_/NW36	6224200-_-
1 Gas hose	DIX VL 180-_-	639186001-_-
2 Water hose, Flammex Only in combination with shield hose	DIX VL 175-_-	6291750-_-
3 Combi cable Only in combination with shield hose	DIX 22-2-303-_-	6292213-_-
4 Conduit hose	DIX VLM 2010-_-	6292016-_-
5 Control wire	DIX VLM 211-_-	6292110-_-
6 Cover hose set, incl. pos. 7	DIX VLMRZ 230-_/NW36	6292380-_-
7 Clamp adapter, 36/M40 I		629250006
Protection tube set, not shown	DIX PTS 1	629071131

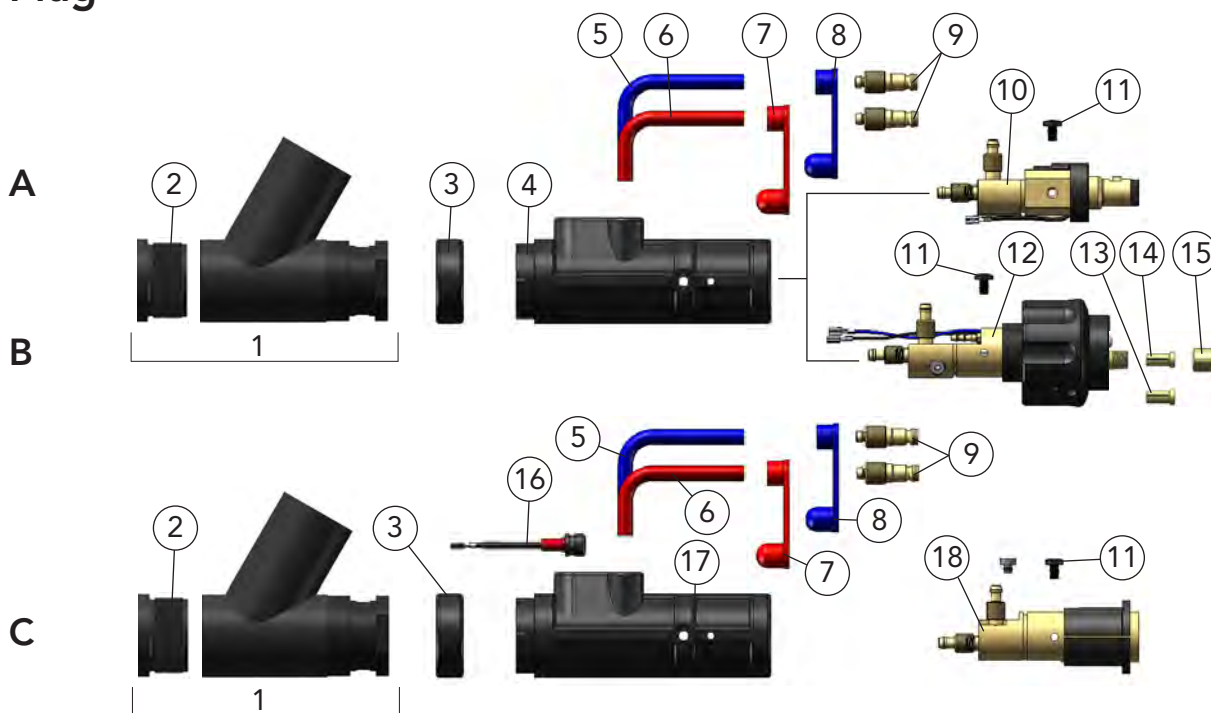
-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m oder 40 = 4.0 m.
Standard lengths: 3.0 m, 4.0 m und 5.0 m.

► Leather hose as protective cover hose with Velcro fastener, see page 259



Torch sets DIX MRZ 304 (SAZ) (N)/BJ/NW36 Plug

1



ONZ You need a Power Pin / Power Pin Set for the compact plug DIX KCZMER 330 N (Pos. C). You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
A Plug*		DIX KCZMER 330 Z	624061330
B Plug*		DIX KCZMER 330 SAZ	624061331
C Plug*		DIX KCZMER 330 N	624061332
1 Extraction angle, compl., with pos. 19		DIX SBZ 1	629071122
Extraction angle, compl. (NW36. not shown) with pos. 19		DIX SBZ 2	629071153
2 Reduction		DIX TRF 1	629071118
Reduction (NW36. not shown)		DIX TRF 2	629071137
3 Fixing ring		DIX 12-3-510 HR	6391250013
4 Plug housing		DIX 12-3-510 SG	6391250011
5 Connection hose, blue	0.60 m	DIX VL 170 BLAU	629171003
6 Connection hose, red	0.60 m	DIX VL 171 ROT	629171004
7 Cap, red		DIX VL 173	629172002
8 Cap, blue		DIX VL 172	629172001
9 Water plug	ø 5.0 mm	DIX 16-2	629160000
10 Plug insert		DIX ME 300 SEZ	639116064
11 Holding screw (10 pcs.)		DIX ME 300 HS	629070005
12 Plug insert		DIX ME 300 SAZ	639116061
13 Clamp sleeve, without block for capillary liner		DIX 27-2 MAP	629270041
14 Clamp sleeve, with block for liner		DIX 27-2 SA	629270040
15 Clamp nut		DIX 28-2 SA	629280040
16 Round plug connector		DIX CS 600 SGN	6391250021
17 Plug housing		DIX ME 600 SGN	6391250020
18 Plug insert		DIX ME 600 N	639116076
19 Cable seal, not shown		DIX CS 1	629071119

Hint*: Pos. 2 and pos. 19 are not included in compact plugs at delivery.



Fume extraction - Integrated versions liquid-cooled torch sets

DIX MRZ 305 (SAZ) (N) up to 550A

Properties

- ▶ Pollutants will be sucked off directly at the point of origin
- ▶ Suction adjustable with one hand during the welding process
- ▶ Ergonomic construction
- ▶ Impact resistant handle made of fiber-glass-reinforced high-performance plastic
- ▶ Encapsulated switch
- ▶ Flexible supply hose with light, flexible extraction bow
- ▶ Two different cover hose sets available (Ø 29 mm or 36 mm)
- ▶ Gas nozzle with wear resistant trapezoidal thread
- ▶ Weight: approx 1.5 kg at 1 m supply hose (incl. extraction bow)
- ▶ Abidance by the health-, work- and environment protection values at welding and brazing

Application

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



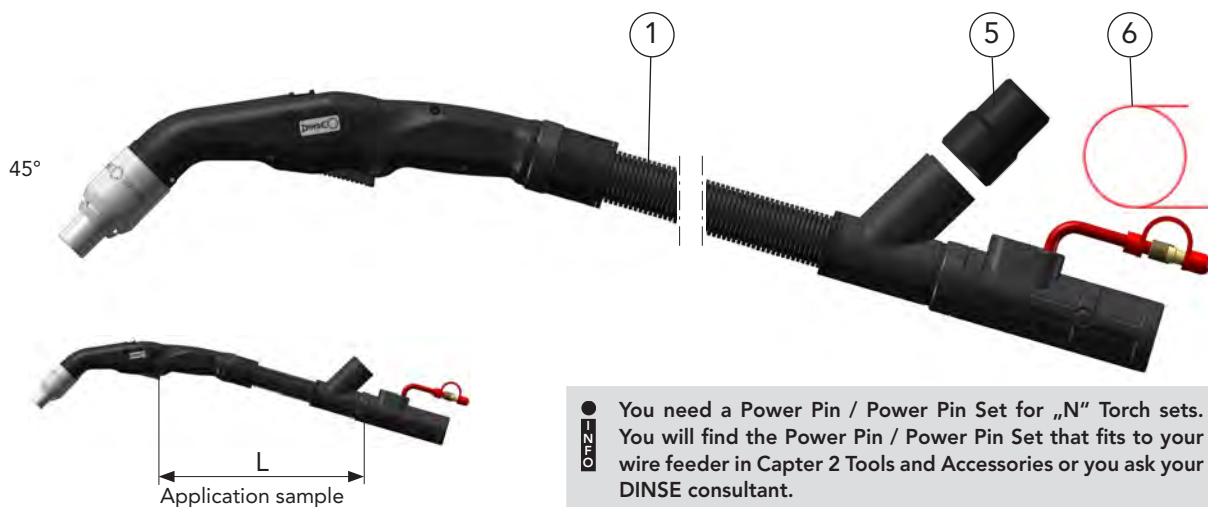
DIX MRZ 305

Reduced gas nozzle

Technical data (DIN EN 60 974-7):

Dual-circuit liquid cooled

CO ₂ :	duty cycle 550A/60%
Mixed gas:	500A/60%
Wire diameter:	1.2 - 2.0 mm



HINT You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MRZ 305-3	620360530
Torch set	4.00 m	DIX MRZ 305-4	620360540
2 Torch set, not shown	3.00 m	DIX MRZ 305-3 SAZ	620360531
Torch set, not shown	4.00 m	DIX MRZ 305-4 SAZ	620360541
3 Torch set, not shown	3.00 m	DIX MRZ 305-3 N	620360534
Torch set, not shown	4.00 m	DIX MRZ 305-3 N	620360544
4 Torch set, not shown	3.00 m	DIX MRZ 305-3/NW36*	620368830
Torch set, not shown	4.00 m	DIX MRZ 305-4/NW36*	620368840
5 Connection piece		DIX HCA 45/50 MR/MRZ	629770000
6 Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345
O-Ring, not shown	10 pcs.		629900218

* NW36 = Nominal width of the cover hose

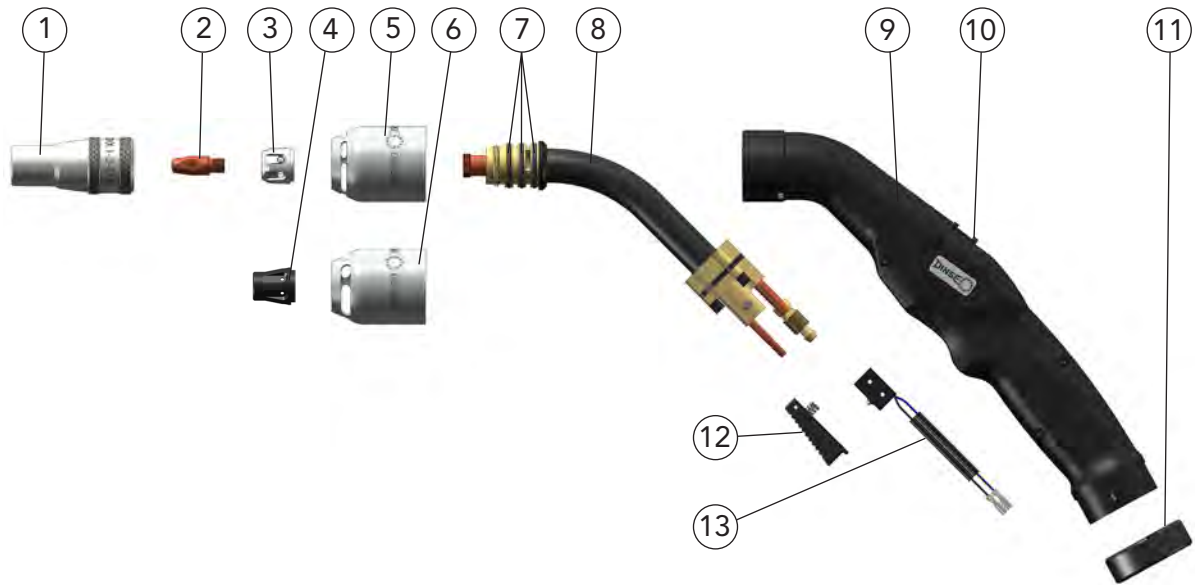
- ▶ Leather hose as protective cover hose with Velcro fastener, see page 259

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



Torch sets DIX MRZ 305 (SAZ) (N)



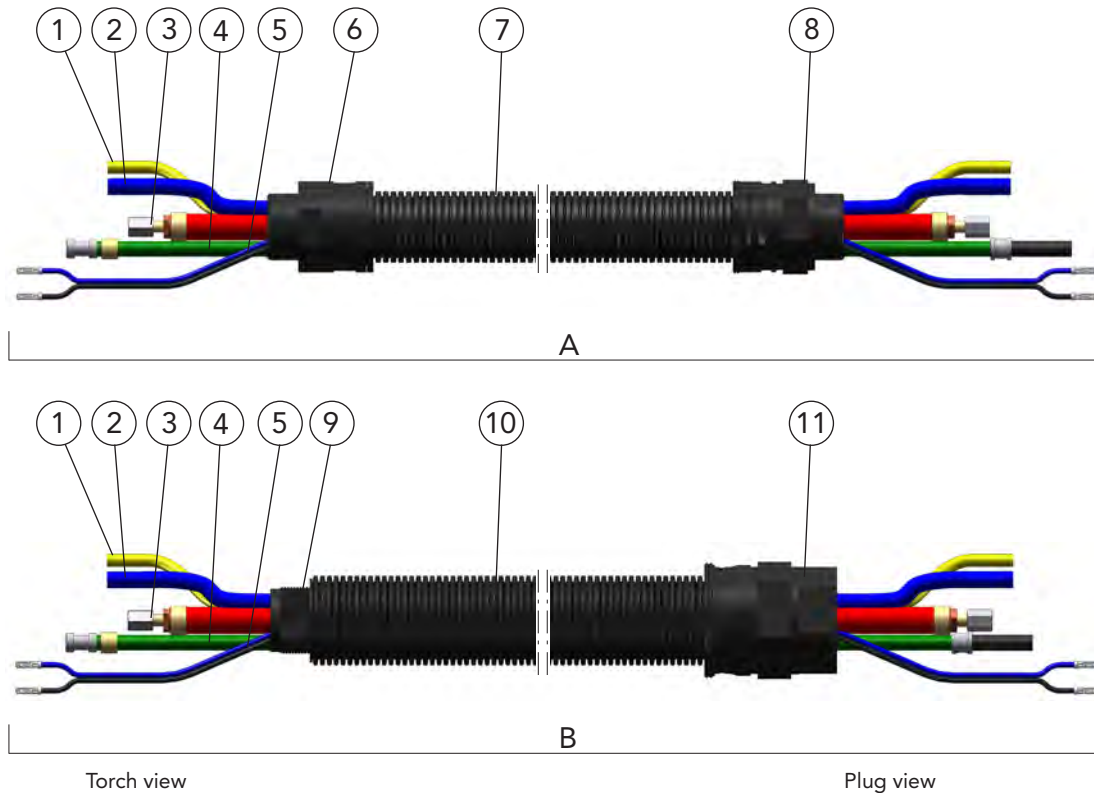
	Description	Dimension		Part name	Part number
1	Gas nozzle	ø 17 mm	DIX	1-2-517	629010517
	Gas nozzle (plug-in type)	ø 17 mm	DIX	1-2-517 OG	6290105171
2	Contact tip	M8 x 28 mm	DIX	3-2-__ M8	6290301__
	Contact tip	M8 x 28 mm	DIX	3-2-__ M8 CR-ZR	6290331__
3	Gas diffuser, ceramic		DIX	10-2- 305 K	6291003051
4	Gas diffuser		DIX	10-2-305	6291003052
5	Extraction nozzle	Extraction slot width 3 mm	DIX	SN 1	629071115
6	Extraction nozzle	Extraction slot width 5 mm	DIX	SN 3	629071150
7	O - Ring, 18x2 mm	(12 pcs.)			639060005
8	Torch neck	45°	DIX	6-2-305 RZ 45°	629061650
9	Housing, with pos. 8.9 and 12		DIX	H FE 1	629071110
10	Reducer		DIX	FE R 1	629071109
11	Fixing ring		DIX	12-3-510 HR	6391250013
12	Trigger		DIX	S 5	629071147
13	Microswitch		DIX	8-2	629080000
14	Screw set, not shown		DIX	SS 1	629071124

-- Enter the required wire diameter, e.g.: 10 = 1.0 mm or 12 = 1.2 mm. .

► Standard equipment for wire diameter 1.2 mm steel with gas nozzle diameter 17 mm, gas nozzle DIX 1-2-517, contact tip DIX 3-2-1.2 M8. gas diffuser DIX 10-2-305 K, liner DIX DS 4/2.2. Variants deviating of the standard fittings on request.



Torch sets DIX MRZ 305 (SAZ) (N) Supply hose



Description	Part name	Part number
A Supply hose	DIX VLMRZ 301-__	6224100__
B Supply hose	DIX VLMRZ 301-__/_NW36	6224200__
1 Gas hose	DIX VL 180-__	639186001__
2 Water hose, Flammex Only in combination with shield hose	DIX VL 175-__	6291750__
3 Combi cable Only in combination with shield hose	DIX 22-2-303-__	6292213__
4 Conduit hose	DIX VLM 2010-__	6292016__
5 Control wire	DIX VLM 211-__	6292110__
6 Clamp adapter, M32x1.5		629071126
7 Cover hose set, incl. pos. 6 and 8	DIX VLMRZ 230-__	6292340__
8 Clamp adapter, 29/M32		629071125
9 Hose connector, HC 1		629071135
10 Cover hose set, incl. pos. 9 and 11	DIX VLMRZ 230-__/_NW36	6292380__
11 Clamp adapter, 36/M40 I		629250006
Protection tube set, not shown	DIX PTS 1	629071131

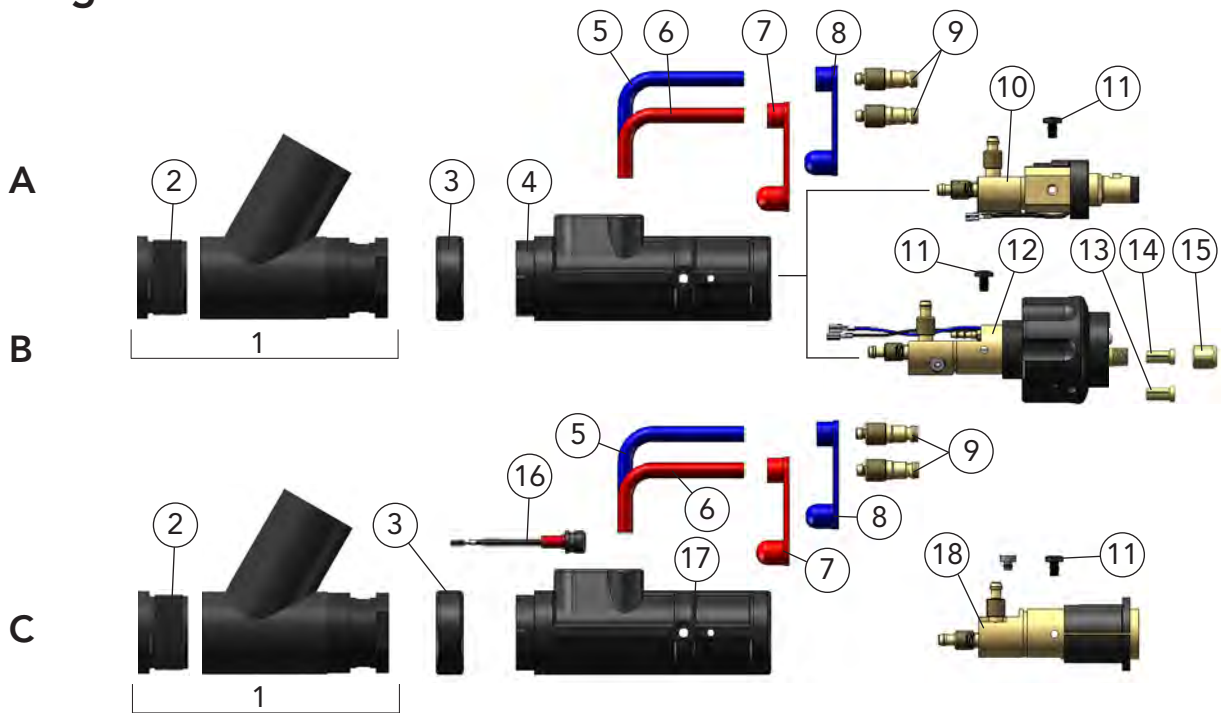
-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m and 4.0 m.

► Leather hose as protective cover hose with Velcro fastener, see page 259



Torch sets DIX MRZ 305 (SAZ) (N)

Plug



OPTION You need a Power Pin / Power Pin Set for the compact plug DIX KCZMER 330 N (Pos. C). You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
A Plug*		DIX KCZMER 330 Z	624061330
B Plug*		DIX KCZMER 330 SAZ	624061331
C Plug*		DIX KCZMER 330 N	624061332
1 Extraction angle, compl., with pos. 19		DIX SBZ 1	629071122
Extraction angle, compl., (NW36 not shown),with pos. 19		DIX SBZ 2	629071153
2 Reduction		DIX TRF 1	629071118
Reduction (NW36 not shown)		DIX TRF 2	629071137
3 Fixing ring		DIX 12-3-510 HR	6391250013
4 Plug housing		DIX 12-3-510 SG	6391250011
5 Connection hose, blue	0.60 m	DIX VL 170 BLAU	629171003
6 Connection hose, red	0.60 m	DIX VL 171 ROT	629171004
7 Cap, red		DIX VL 173	629172002
8 Cap, blue		DIX VL 172	629172001
9 Water plug	ø 5.0 mm	DIX 16-2	629160000
10 Plug insert		DIX ME 300 SEZ	639116064
11 Holding screw (10 pcs.)		DIX ME 300 HS	629070005
12 Plug insert		DIX ME 300 SAZ	639116061
13 Clamp sleeve, without block for capillary liner		DIX 27-2 MAP	629270041
14 Clamp sleeve, with block for liner		DIX 27-2 SA	629270040
15 Clamp nut		DIX 28-2 SA	629280040
16 Round plug connector		DIX CS 600 SGN	6391250021
17 Plug housing		DIX ME 600 SGN	6391250020
18 Plug insert		DIX ME 600 N	639116076
19 Cable seal, not shown		DIX CS 1	629071119

Hint*: Pos. 2 and pos. 19 are not included in compact plugs at delivery.



Fume extraction - Integrated versions liquid-cooled torch sets

DIX MRZ 305 (SAZ) (N)/BJ/NW36 up to 550A

Properties

- ▶ High-quality ball joint with kink protection on the gun side
- ▶ Pollutants will be sucked off directly at the point of origin
- ▶ Suction adjustable with one hand during the welding process
- ▶ Ergonomic construction
- ▶ The excellent mobility of the ball joint allows fatigue-free working
- ▶ Impact resistant handle made of fiber-glass-reinforced high-performance plastic
- ▶ Encapsulated switch
- ▶ Gas nozzle with wear resistant trapezoidal thread
- ▶ Abidance by the health-, work- and environment protection values at welding and brazing



Version with ball joint

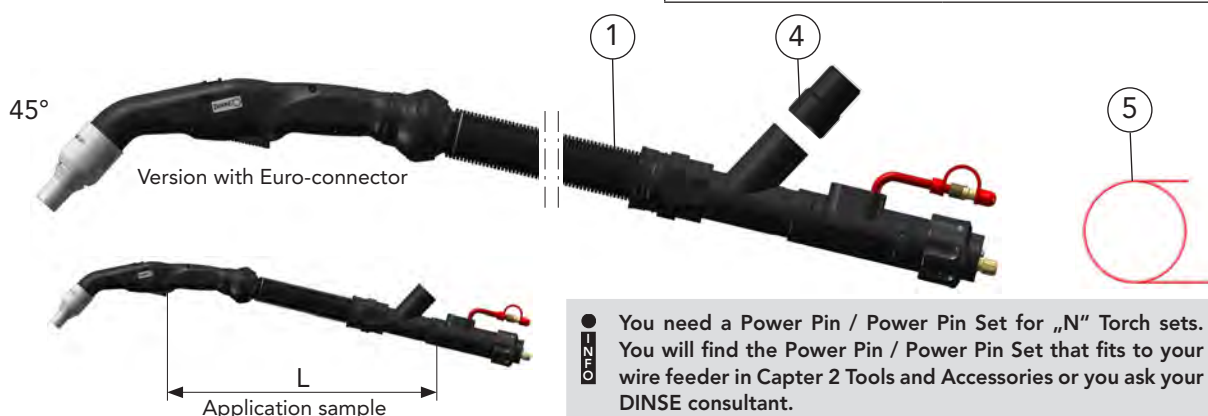
Sample application

Reduced gas nozzle

Application

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

Technical data (DIN EN 60 974-7):	
Dual-circuit liquid cooled	
CO ₂ :	duty cycle 550A/60%
Mixed gas:	500A/60%
Wire diameter:	1.2 - 2.0 mm



DINSE You need a Power Pin / Power Pin Set for „N“ Torch sets. You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MRZ 305-3 SAZ BJ*/NW36**	6203688031
Torch set	4.00 m	DIX MRZ 305-4 SAZ BJ*/NW36**	6203688041
Torch set	5.00 m	DIX MRZ 305-5 SAZ BJ*/NW36**	6203688051
2 Torch set	3.00 m	DIX MRZ 305-3 BJ*/NW36**	6203688030
Torch set	4.00 m	DIX MRZ 305-4 BJ*/NW36**	6203688040
Torch set	5.00 m	DIX MRZ 305-5 BJ*/NW36**	6203688050
3 Torch set	3.00 m	DIX MRZ 305-3 N BJ*/NW36**	6203688034
Torch set	4.00 m	DIX MRZ 305-4 N BJ*/NW36**	6203688044
Torch set	5.00 m	DIX MRZ 305-5 N BJ*/NW36**	6203688054
4 Connection piece		DIX HCA 45/50 MR/MRZ	629770000
5 Liner	ø 2.2 mm/3.5 m	DIX DS 4/2.2-3.5	623000335
Liner	ø 2.2 mm/4.5 m	DIX DS 4/2.2-4.5	623000345
Liner	ø 2.2 mm/5.5 m	DIX DS 4/2.2-5.5	623000355
O-Ring, not shown	10 pcs.		629900218

* BJ = Ball joint, ** NW36 = Nominal width of the cover hose

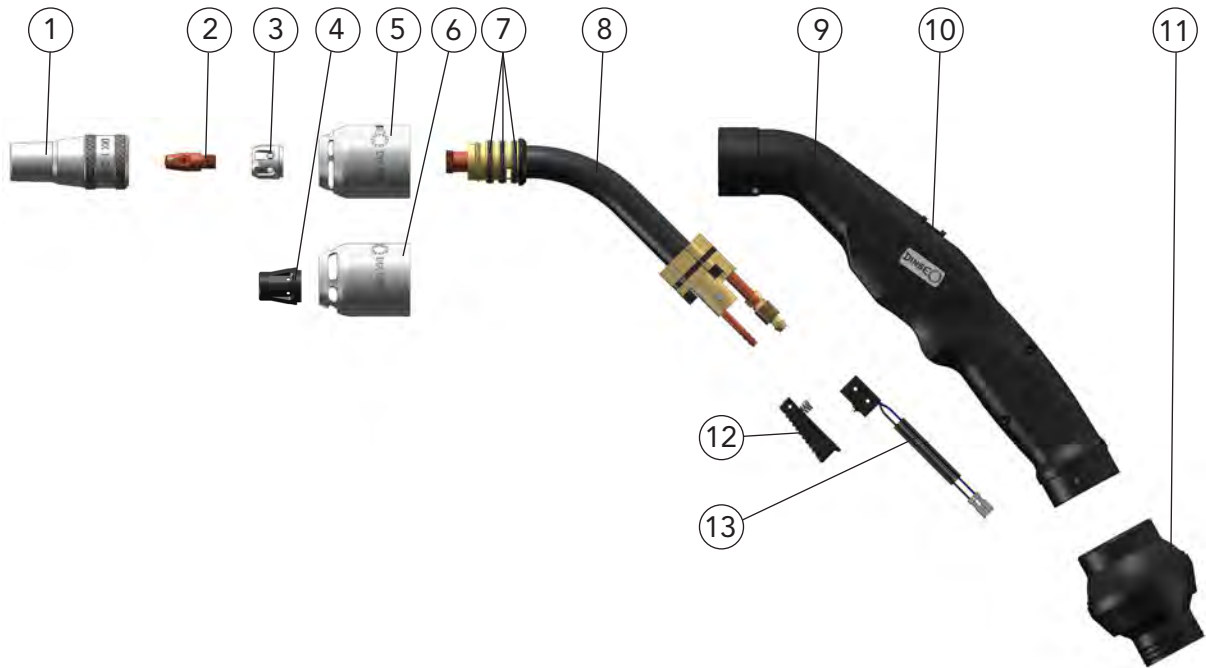
- ▶ Leather hose as protective cover hose with Velcro fastener, see page 259

Hint:

Other liners, capillary liners and service tools you will find in Chapter 2 Tools and Accessories.



Torch sets DIX MRZ 305 (SAZ) (N)/BJ/NW36



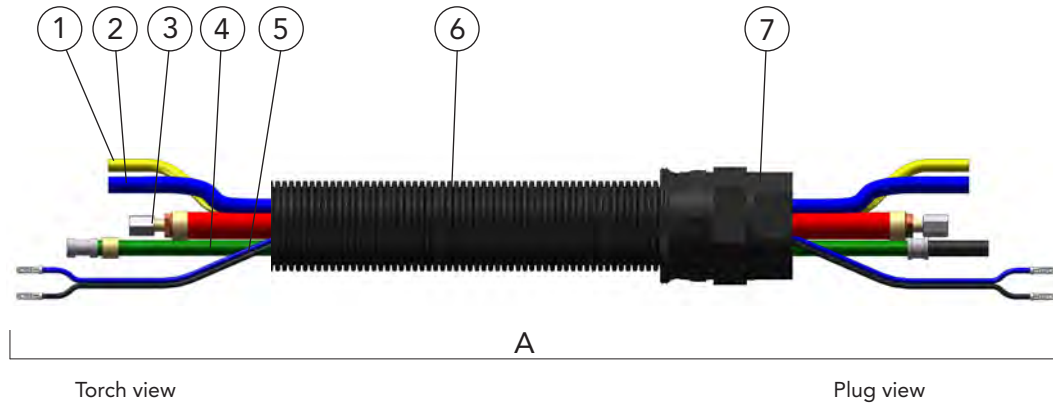
	Description	Dimension		Part name	Part number
1	Gas nozzle	ø 17 mm	DIX	1-2-517	629010517
	Gas nozzle (plug-in type)	ø 17 mm	DIX	1-2-517 OG	6290105171
2	Contact tip	M8 x 28 mm	DIX	3-2-__ M8	6290301__
	Contact tip	M8 x 28 mm	DIX	3-2-__ M8 CR-ZR	6290331__
3	Gas diffuser, ceramic		DIX	10-2- 305 K	6291003051
4	Gas diffuser		DIX	10-2-305	6291003052
5	Extraction nozzle	Extraction slot width 3 mm	DIX	SN 1	629071115
6	Extraction nozzle	Extraction slot width 5 mm	DIX	SN 3	629071150
7	O - Ring, 18x2 mm	(12 pcs.)			639060005
8	Torch neck	45°	DIX	6-2-305 RZ 45°	629061650
9	Housing, with pos. 9 and 13		DIX	H FE 3	629071145
10	Reducer		DIX	FE R 1	629071109
11	Ball joint		DIX	BJ 1	629071141
12	Trigger		DIX	S 5	629071147
13	Microswitch		DIX	8-2	629080000
14	Screw set, not shown		DIX	SS 1	629071124

-- Enter the required wire diameter, e.g.: 10 = 1.0 mm or 12 = 1.2 mm. .

- ▶ Standard equipment for wire diameter 1.2 mm steel with gas nozzle diameter 17 mm, gas nozzle DIX 1-2-517, contact tip DIX 3-2-1.2 M8, gas diffuser DIX 10-2-305 K, liner DIX DS 4/2.2. Variants deviating of the standard fittings on request.



Torch sets DIX MRZ 305 (SAZ) (N)/BJ/NW36 Supply hose



Description	Part name	Part number
A Supply hose	DIX VLMRZ 301-_/NW36	6224200-_-
1 Gas hose	DIX VL 180-_-	639186001-_-
2 Water hose, Flammex Only in combination with shield hose	DIX VL 175-_-	6291750-_-
3 Combi cable Only in combination with shield hose	DIX 22-2-303-_-	6292213-_-
4 Conduit hose	DIX VLM 2010-_-	6292016-_-
5 Control wire	DIX VLM 211-_-	6292110-_-
6 Cover hose set, incl. pos. 7	DIX VLMRZ 230-_/NW36	6292380-_-
7 Clamp adapter, 36/M40 I		629250006
Protection tube set, not shown	DIX PTS 1	629071131

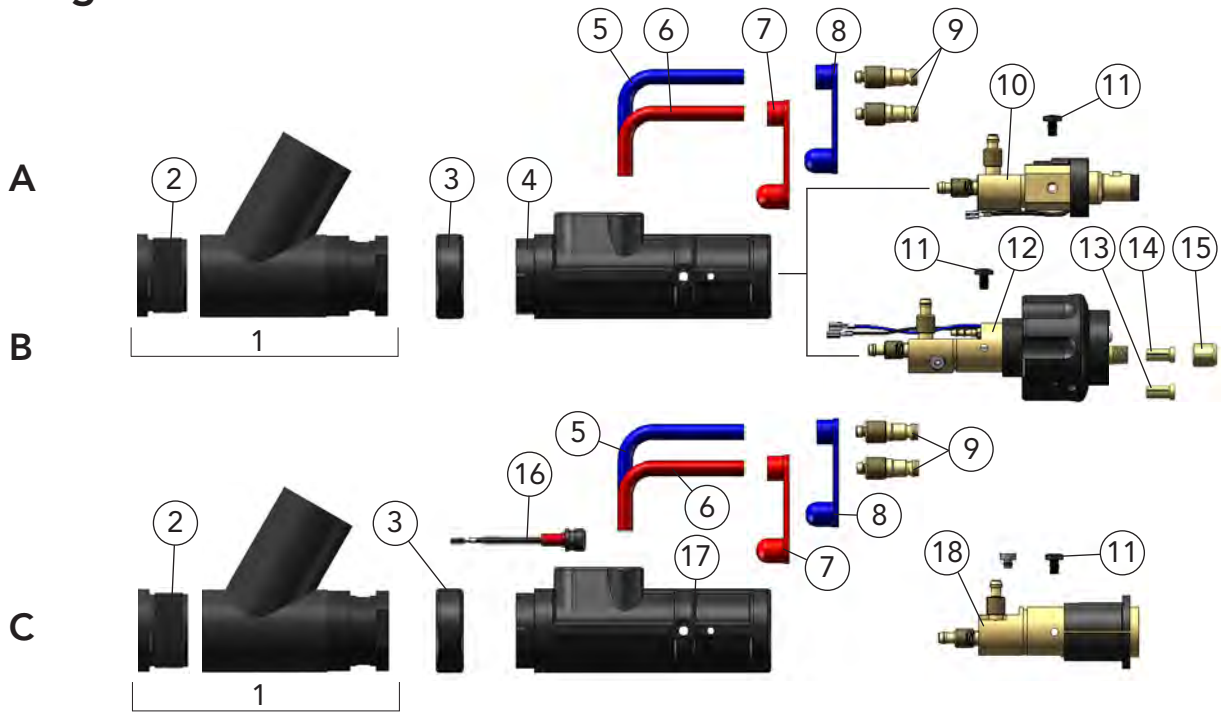
-- Enter the required length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
Standard lengths: 3.0 m, 4.0 m und 5.0 m.

► Leather hose as protective cover hose with Velcro fastener, see page 259



Torch sets DIX MRZ 305 (SAZ) (N)/BJ/NW36 Plug

1



OPTION You need a Power Pin / Power Pin Set for the compact plug DIX KCZMER 330 N (Pos. C). You will find the Power Pin / Power Pin Set that fits to your wire feeder in Chapter 2 Tools and Accessories or you ask your DINSE consultant.

Description	Dimension	Part name	Part number
A Plug*		DIX KCZMER 330 Z	624061330
B Plug*		DIX KCZMER 330 SAZ	624061331
C Plug*		DIX KCZMER 330 N	624061332
1 Extraction angle, compl., with pos. 19		DIX SBZ 1	629071122
Extraction angle, compl., (NW36 not shown),with pos. 19		DIX SBZ 2	629071153
2 Reduction		DIX TRF 1	629071118
Reduction (NW36 not shown)		DIX TRF 2	629071137
3 Fixing ring		DIX 12-3-510 HR	6391250013
4 Plug housing		DIX 12-3-510 SG	6391250011
5 Connection hose, blue	0.60 m	DIX VL 170 BLAU	629171003
6 Connection hose, red	0.60 m	DIX VL 171 ROT	629171004
7 Cap, red		DIX VL 173	629172002
8 Cap, blue		DIX VL 172	629172001
9 Water plug	ø 5.0 mm	DIX 16-2	629160000
10 Plug insert		DIX ME 300 SEZ	639116064
11 Holding screw (10 pcs.)		DIX ME 300 HS	629070005
12 Plug insert		DIX ME 300 SAZ	639116061
13 Clamp sleeve, without block for capillary liner		DIX 27-2 MAP	629270041
14 Clamp sleeve, with block for liner		DIX 27-2 SA	629270040
15 Clamp nut		DIX 28-2 SA	629280040
16 Round plug connector		DIX CS 600 SGN	6391250021
17 Plug housing		DIX ME 600 SGN	6391250020
18 Plug insert		DIX ME 600 N	639116076
19 Cable seal, not shown		DIX CS 1	629071119

Hint*: Pos. 2 and pos. 19 are not included in compact plugs at delivery.





THE BEST OUT OF TWO WORLDS

Best suction technology combined with best welding performance: The fume extraction torches in cooperation with Translas

Translas from the Netherlands offers extensive know-how about fume extraction technology. We combined this competence with our fully developed torch technology as well as the top class DINSE spare parts. In the torch sets the best out of two worlds are combined: The best fume extraction technology by Translas and the best welding performance with the high-class torch technology by DINSE.

02

FUME EXTRACTION TORCHES DIX MR/MR(Z) 8XE (MINI)

CONTENTS

Fume extraction torch - gas-cooled torch sets	205
DIX MR 8XE SA up to 320A	205
DIX MR 8XE Mini SA up to 280A	208
Fume extraction torch - liquid cooled torch sets	211
DIX MRZ 8XE SAZ up to 550A	211
Liner, Capillary liner, Combiliner	214



Fume extraction torch - gas-cooled torch sets



DIX MR 8XE SA up to 320A

Properties

- ▶ DINSE torch technology in combination with original TRANSLAS Fume extraction technology
- ▶ The fume extraction torch sets DIX MR 8XE (Mini) are the perfect complement to DINSE fume Extraction DIX FE 340 S(R)
- ▶ Pollutants will be sucked off directly at the point of origin
- ▶ Innovative ball joint with „Full Stop“- technology
- ▶ Rotation of the ball joint up to 360 °
- ▶ Excellent cooling of the contact tip
- ▶ Integrated splash protection of the gas nozzle guarantees a suction output capacity of 90 - 98% with perfect gas coverage
- ▶ Flexible supply hose
- ▶ Different versions of the handles from standard, overpressure valve, top switch and for up / down functions are available
- ▶ Suitable for remote control applications
- ▶ All versions of the caps and buttons can be modified later

Application

- ▶ Abidance by the health-, work- and environment protection values at welding and brazing
- ▶ Conversion kit for simple replacement of the handle
- ▶ Torch set separated from the extraction hose for easy service

Technical data (DIN EN 60 974-7):

	duty cycle
CO ₂ :	320A/100%
Mixed gas:	300A/100%
Wire diameter:	0.8 - 1.6 mm



Torch set DIX MR 8XE SA



Torch set DIX MR 8XE Mini SA
Application sample



The perfect addition - Fume Extraction DIX FE 340 S(R)
Application sample



Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MR 8XE-3 SA /45°	6202664531
Torch set	4.00 m	DIX MR 8XE-4 SA /45°	6202664541
Torch set	5.00 m	DIX MR 8XE-5 SA /45°	6202664551

Hint:

Other liners, capillary liners and service tools you will find in Chapter Tools and Accessories.



Torch sets DIX MR 8XE SA

2



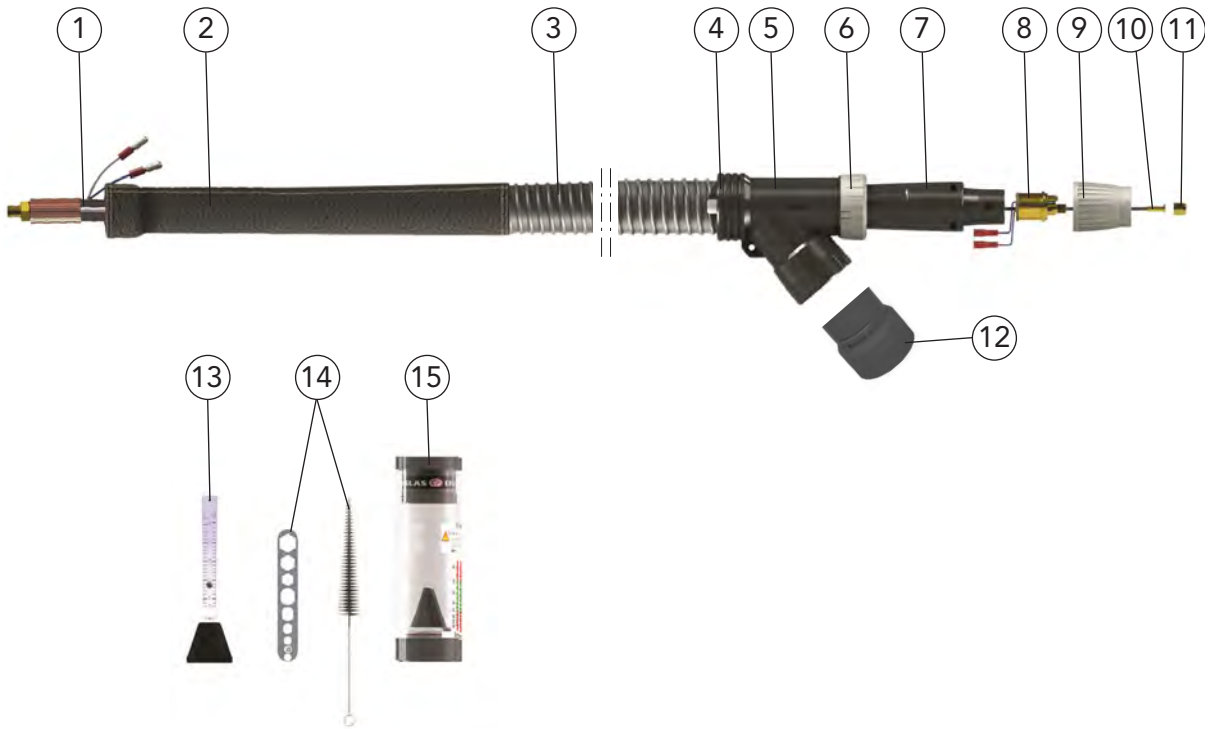
Description	Packing unit/ piece	Dimension	Part name	Part number
1 Gas nozzle, conical	5	ø 14 mm	Special	749000001
Gas nozzle, conical, not shown	5	ø 17 mm	Special	749000002
2 Contact tip	25	M8 30 mm	3-2-__ M8x1.5	6290430__
Contact tip, not shown	25	M8 30 mm	3-2-__ M8x1.5 Al	6290432__
Contact tip, not shown	25	M8 30 mm	3-2-__ M8x1.5 Cr	6290431__
3 Tip adapter	10	M8	GS 2-M8x1.5	628150018
4 Gas nozzle bracket				749000035
5 Extraction elbow 45°				749000036
6 Torch neck gas cooled 45°				749000094
O-ring, not shown	10			749000034
PEEK ring, not shown	10			749000033
7 Handle with button black / gray				749000039
8 Button gray				749000040
Button - spring, not shown				749000041
Micro switch complete, not shown				749000042
9 Ball joint				749000115

-- Enter the required wire diameter, e.g.: 08 = 0.8 mm or 16 = 1.6 mm.

► Standard equipment for wire diameter 0.8 mm steel with gas nozzle ø 14 mm special, contact tip 3-2-0.8 M8x1,5, tip adapter GS 2-M8x1,5 and liner PVC blue ø 1.5 mm/4.5 m. Variants deviating of the standard fittings on request.



Torch sets DIX MR 8XE SA



Description	Packing unit/ piece	Dimension	Part name	Part number
1 Coaxial cable 8XE			3.00 m	749000087
Coaxial cable 8XE			4.00 m	749000088
Coaxial cable 8XE			5.00 m	749000089
2 Leather hose with velcro fastener		ø 54 mm	2.00 m	749000053
3 Cover hose		ø 36 - 44 mm	3.00 m	749000054
Cover hose		ø 36 - 44 mm	4.00 m	749000055
Cover hose		ø 36 - 44 mm	5.00 m	749000056
4 Hose connection				749000057
5 Extraction angle				749000058
6 Connecting ring				749000059
7 Plug housing				749000061
8 Plug KZ2, gas cooled				749000103
9 Adapter sleeve	2			749000064
10 Liner coated		ø 1.5 mm / 4.5	3.00 m DFS PVC blue (1.5/4.5) 3.00 m	749000099
11 Clamp nut	10			749000065
12 Connection				749000066
Accessories:				
13 Gas flow meter				749000069
14 Tool set with brush and multi-tool				749000070
15 Air flow meter				749000117

Standard lengths: 3.0 m, 4.0 m and 5.0 m





Fume extraction torch - gas-cooled torch sets

DIX MR 8XE Mini SA up to 280A

Properties

- ▶ DINSE torch technology in combination with original TRANSLAS fume extraction technology
- ▶ The fume extraction torch sets DIX MR 8XE Mini are the perfect complement to DINSE Fume Extraction DIX FE 340 S(R)
- ▶ Pollutants will be sucked off directly at the point of origin
- ▶ Innovative ball joint with „Full Stop“- technology
- ▶ Rotation of the ball joint up to 360 °
- ▶ Excellent cooling of the contact tip
- ▶ Integrated splash protection of the gas nozzle guarantees a suction output capacity of 90 - 98% with perfect gas coverage
- ▶ Flexible supply hose
- ▶ Different versions of the handles from standard, overpressure valve, top switch and for up / down functions are available
- ▶ Suitable for remote control applications
- ▶ All versions of the caps and buttons can be modified later

Application

- ▶ Abidance by the health-, work- and environment protection values at welding and brazing
- ▶ Conversion kit for simple replacement of the handle
- ▶ Torch set separated from the extraction hose for easy service

Technical data (DIN EN 60 974-7):

CO ₂ :	duty cycle 280A/100%
Mixed gas:	250A/100%
Wire diameter:	0.8 - 1.2 mm



Torch set DIX MR 8XE Mini SA

Torch set DIX MR 8XE SA
Application sample



The perfect addition - Fume Extraction DIX FE 340 S(R)
Application sample



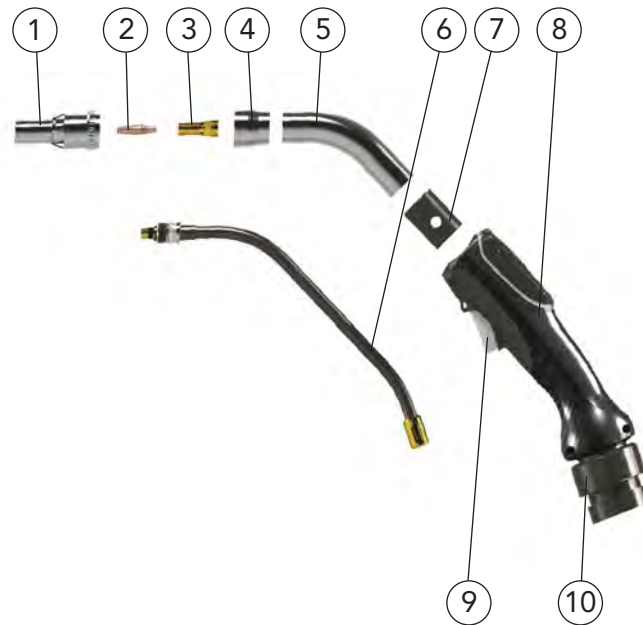
Description	Dimension	Part name	Part number
1 Torch set	3,00 m	DIX MR 8XE mini -3 SA /45°	6201664531
Torch set	4,00 m	DIX MR 8XE mini -4 SA /45°	6201664541
Torch set	5,00 m	DIX MR 8XE mini -5 SA /45°	6201664551

Hint:

Other liners, capillary liners and service tools you will find in Chapter Tools and Accessories.



Torch sets DIX MR 8XE Mini SA



2

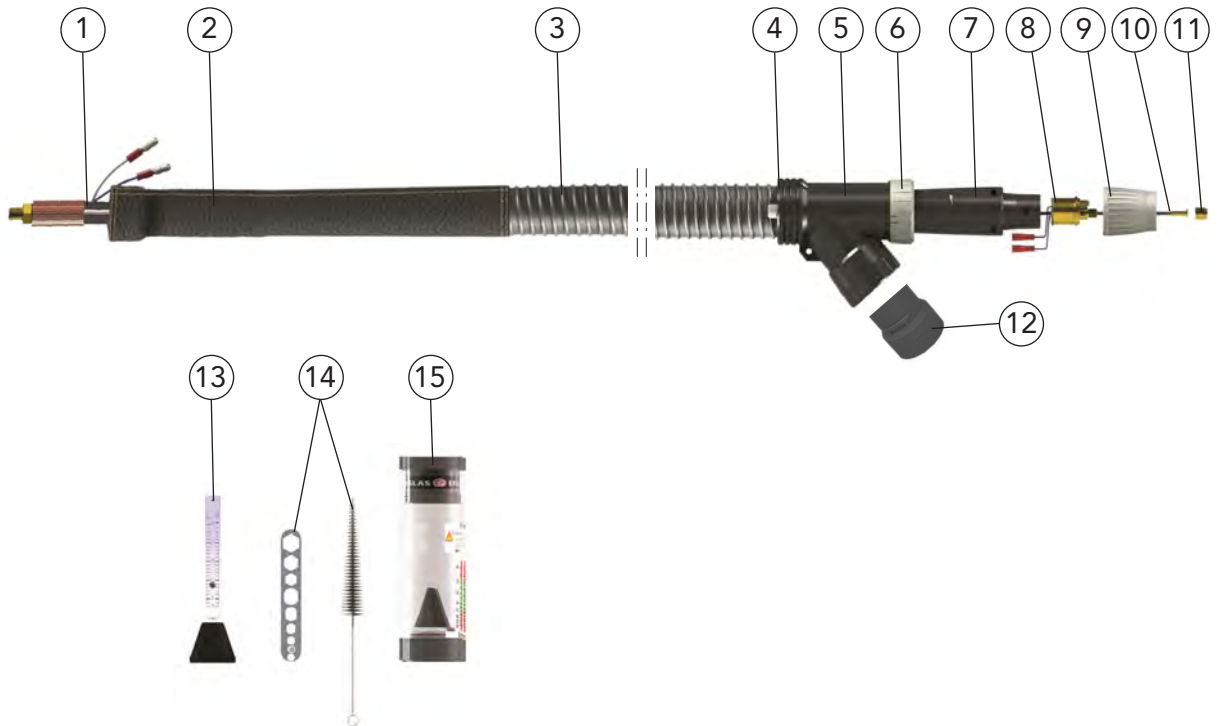
Description	Packing unit/ piece	Dimension	Part name	Part number
1 Gas nozzle, Mini	5	ø 12 mm		749000081
Gas nozzle, Mini, not shown		ø 14 mm		749000082
Gas nozzle, Mini, not shown		ø 14 mm	Special	749000083
2 Contact tip	25	M8 30 mm	3-2-__ M8x1.5	6290430__
Contact tip, not shown	25	M8 30 mm	3-2-__ M8x1.5 Al	6290432__
Contact tip, not shown	25	M8 30 mm	3-2-__ M8x1.5 Cr	6290431__
3 Tip adapter	10	M8	GS 1-M8x1.5	618150008
4 Gas nozzle bracket Mini				749000107
5 Extraction elbow Mini 45°				749000104
6 Torch neck Mini 45° gas cooled				749000090
O-ring, not shown	10			749000034
PEEK ring, not shown	10			749000033
7 Adapter Mini neck				749000106
8 Handle with button black / gray				749000039
9 Button gray				749000040
Button - spring, not shown				749000041
Micro switch complete, not shown				749000042
10 Ball joint Mini				749000114

-- Enter the required wire diameter, e.g.: 08 = 0.8 mm or 12 = 1.2 mm.

- ▶ Standard equipment for wire diameter 0.8 mm steel with gas nozzle ø 14 mm special, contact tip 3-2-0.8 M8x1,5, tip adapter GS 1-M8x1,5 and liner PVC blue ø 1.5 mm/4.5 m. Variants deviating of the standard fittings on request.



Torch sets DIX MR 8XE Mini SA



Description	Packing unit/ piece	Dimension	Part name	Part number	
1 Coaxial cable 8XE Mini			3.00 m	749000084	
Coaxial cable 8XE Mini			4.00 m	749000085	
Coaxial cable 8XE Mini			5.00 m	749000086	
2 Leather hose with velcro fastener		ø 44 mm	2.00 m	749000102	
3 Cover hose Mini		ø 32 - 38 mm	3.00 m	749000110	
Cover hose Mini		ø 32 - 38 mm	4.00 m	749000111	
Cover hose Mini		ø 32 - 38 mm	5.00 m	749000112	
4 Hose connection Mini				749000116	
5 Suction angle				749000058	
6 Connecting ring				749000059	
7 Plug housing				749000061	
8 Plug KZ2, gas cooled				749000103	
9 Adapter sleeve	2			749000064	
10 Liner coated		ø 1.5 mm / 4.5	3.00 m	DFS PVC blue (1.5/4.5) 3.00m	749000099
11 Clamp nut	10			749000065	
12 Connection				749000066	
Accessories:					
13 Gas flow meter				749000069	
14 Tool set with brush and multi-toolg				749000070	
15 Air flow meter Mini				749000071	

Standard lengths: 3.0 m, 4.0 m and 5.0 m



Fume extraction torch - liquid cooled torch sets



DIX MRZ 8XE SAZ up to 550A

Properties

- ▶ DINSE torch technology in combination with original TRANSLAS Fume extraction technology
- ▶ The fume extraction torch sets DIX MRZ 8XE SAZ are the perfect complement to DINSE fume Extraction DIX FE 340 S(R)
- ▶ Pollutants will be sucked off directly at the point of origin
- ▶ Innovative ball joint with „Full Stop“- technology
- ▶ Rotation of the ball joint up to 360 °
- ▶ Excellent cooling of the contact tip
- ▶ Integrated splash protection of the gas nozzle guarantees a suction output capacity of 90 - 98% with perfect gas coverage
- ▶ Flexible supply hose
- ▶ Different versions of the handles from standard, overpressure valve, top switch and for up / down functions are available
- ▶ Suitable for remote control applications
- ▶ All versions of the caps and buttons can be modified later



DIX MRZ 8XE SAZ / 45°

Application

- ▶ Abidance by the health-, work- and environment protection values at welding and brazing
- ▶ Conversion kit for simple replacement of the handle
- ▶ Torch set separated from the extraction hose for easy service

Technical data (DIN EN 60 974-7):	
CO ₂ :	duty cycle 550A/100%
Mixed gas:	500A/100%
Wire diameter:	1.0 - 1.6 mm



The perfect addition - Fume Extraction DIX FE 340 S(R)
Application sample



Description	Dimension	Part name	Part number
1 Torch set	3.00 m	DIX MRZ 8XE-3 SAZ /45°	6203664531
Torch set	4.00 m	DIX MRZ 8XE-4 SAZ /45°	6203664541
Torch set	5.00 m	DIX MRZ 8XE-5 SAZ /45°	6203664551

Hint:
Other liners, capillary liners and service tools you will find in Chapter Tools and Accessories.



MIG/MAG Manual



Torch sets DIX MRZ 8XE SAZ

2



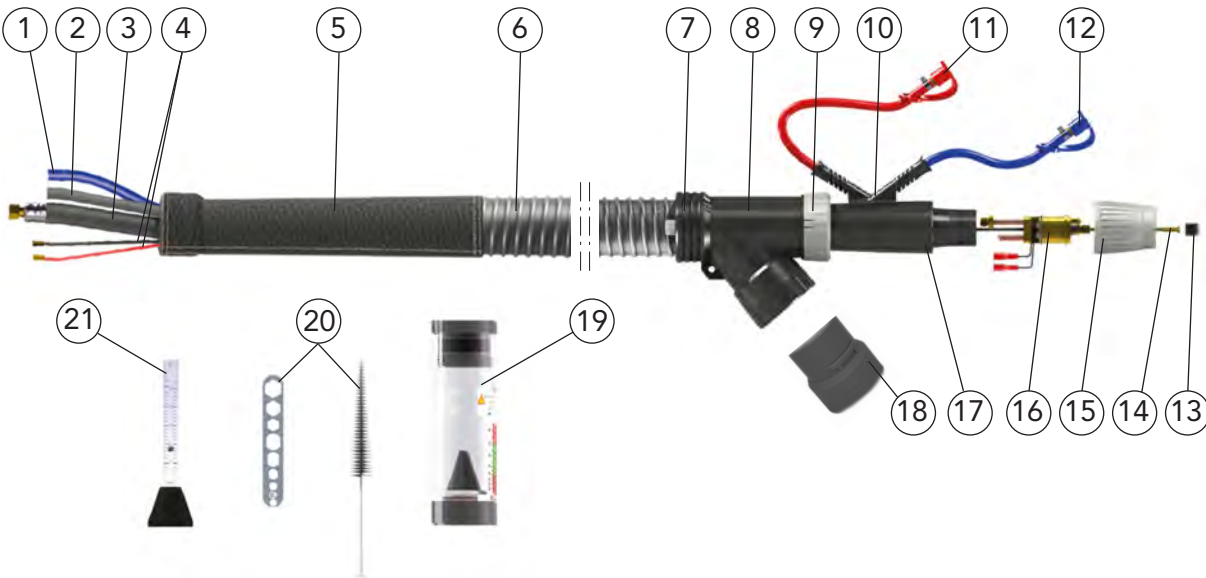
	Description	Packing unit/ piece	Dimension	Part name	Part number
1	Gas nozzle, conical	5	ø 14 mm	Special	749000001
	Gas nozzle, conical, not shown	5	ø 17 mm	Special	749000002
2	Contact tip	25	M8 30 mm	3-2-__ M8x1.5	6290430__
	Contact tip, not shown	25	M8 30 mm	3-2-__ M8x1.5 Al	6290432__
	Contact tip, not shown	25	M8 30 mm	3-2-__ M8x1.5 Cr	6290431__
3	Tip adapter	10	M8	GS 2-M8x1.5	628150018
4	Gas nozzle bracket				749000035
5	Extraction elbow 45°				749000036
6	Torch neck liquid cooled 45°				749000030
	O-ring, not shown	10			749000034
	PEEK ring, not shown	10			749000033
7	Handle with button black / gray				749000039
8	Button gray				749000040
	Button - spring, not shown				749000041
	Micro switch complete, not shown				749000042
9	Ball joint				749000115

-- Enter the required wire diameter, e.g.: 10 = 1.0 mm or 16 = 1.6 mm.



► Standard equipment for wire diameter 1.0 mm steel with gas nozzle ø 14 mm special, contact tip 3-2-0.8 M8x1,5, tip adapter GS 2-M8x1,5 and liner PVC blue ø 1.5 mm/4.5 m. Variants deviating of the standard fittings on request.

Torch sets DIX MRZ 8XE SAZ



Description	Packing unit/ piece	Dimension	Part name	Part number
1 Water hose, blue	100 m	5 x 8 mm		749000051
Water hose, red, not shown	100 m	5 x 8 mm		749000052
2 Conduit hose			3.00 m	749000048
Conduit hose			4.00 m	749000049
Conduit hose			5.00 m	749000050
3 Combi cable			3.00 m	749000045
Combi cable			4.00 m	749000046
Combi cable			5.00 m	749000047
4 Switch cable	100 m			749000044
5 Leather hose with velcro fastener		ø 54 mm	2.00 m	749000053
6 Cover hose		ø 36 - 44 mm	3.00 m	749000054
Cover hose		ø 36 - 44 mm	4.00 m	749000055
Cover hose		ø 36 - 44 mm	5.00 m	749000056
7 Hose connection				749000057
8 Suction angle				749000058
9 Connecting ring				749000059
10 Bend protection (water connection)				749000062
11 Cap, red	10			749000067
12 Cap, blue	10			749000068
13 Clamp nut	10			749000065
14 Liner coated		ø 1.5 mm / 4.5	3.00 m	DFS PVC blue (1.5/4.5) 3.00 m
15 Adapter sleeve	2			749000064
16 Plug insert WZ2, water cooled				749000063
17 Plug housing				749000061
18 Connection				749000066
Accessories:				
19 Gas flow meter				749000117
20 Tool set with brush and multi-tool				749000070
21 Air flow meter				749000069

Standard lengths: 3.0 m, 4.0 m and 5.0 m

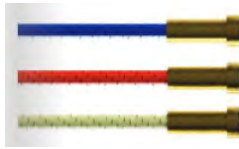


Liner, Capillary liner, Combiliner

Fume extraction torch sets MR(Z) 8XE (Mini)

For manual torches MIG/MAG

1



blue = (ø 1.5 mm / 4.5 m) for 3 m up to 5 m
 red = (ø 2.0 mm / 4.5 m) for 3 m up to 5 m
 yellow = (ø 2.5 mm / 4.5 m) for 3 m up to 5 m

Liner for welding wire of non- and low alloyed steels

Description	Wire-ø	Length	Dimension ID/length (m)	Application	Part number
1 Liner, PVC, blue	0.8 mm	3.00 m	ø 1.5 mm / 4.5	Steel	749000099
Liner, PVC, blue	0.8 mm	4.00 m	ø 1.5 mm / 4.5	Steel	749000100
Liner, PVC, blue	0.8 mm	5.00 m	ø 1.5 mm / 4.5	Steel	749000101
Liner, PVC, red	1.0 mm - 1.2 mm	3.00 m	ø 2.0 mm / 4.5	Steel	749000012
Liner, PVC, red	1.0 mm - 1.2 mm	4.00 m	ø 2.0 mm / 4.5	Steel	749000013
Liner, PVC, red	1.0 mm - 1.2 mm	5.00 m	ø 2.0 mm / 4.5	Steel	749000014
Liner, PVC, yellow	1.6 mm	3.00 m	ø 2.5 mm / 4.5	Steel	749000015
Liner, PVC, yellow	1.6 mm	4.00 m	ø 2.5 mm / 4.5	Steel	749000016
Liner, PVC, yellow	1.6 mm	5.00 m	ø 2.5 mm / 4.5	Steel	749000017

2



red = (ø 2.0 mm / 3.0 m) for 3 m up to 5 m
 yellow = (ø 2.7 mm / 4.7 m) for 3 m up to 5 m

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

Description	Wire-ø	Length	Dimension ID/length (m)	Application	Part number
2 Capillary liner, Teflon, red	1.0 mm - 1.2 mm	3.00 m	ø 2.0 mm / 3.0	Aluminum	749000018
Capillary liner, Teflon, red	1.0 mm - 1.2 mm	4.00 m	ø 2.0 mm / 3.0	Aluminum	749000019
Capillary liner, Teflon, red	1.0 mm - 1.2 mm	5.00 m	ø 2.0 mm / 3.0	Aluminum	749000020
Capillary liner, Teflon, yellow	1.6 mm	3.00 m	ø 2.7 mm / 4.7	Aluminum	749000021
Capillary liner, Teflon, yellow	1.6 mm	4.00 m	ø 2.7 mm / 4.7	Aluminum	749000022
Capillary liner, Teflon, yellow	1.6 mm	5.00 m	ø 2.7 mm / 4.7	Aluminum	749000023

3



black = (ø 2.0 mm / 4.0 m) for 3 m up to 5 m
 black = (ø 2.3 mm / 4.7 m) for 3 m up to 5 m

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

Description	Wire-ø	Length	Dimension ID/length (m)	Application	Part number
3 Combiliner, Graphite, black	1.0 mm - 1.2 mm	3.00 m	ø 2.0 mm / 4.0	Stainless steel	749000024
Combiliner, Graphite, black	1.0 mm - 1.2 mm	4.00 m	ø 2.0 mm / 4.0	Stainless steel	749000025
Combiliner, Graphite, black	1.0 mm - 1.2 mm	5.00 m	ø 2.0 mm / 4.0	Stainless steel	749000026
Combiliner, Graphite, black	1.6 mm	3.00 m	ø 2.3 mm / 4.7	Stainless steel	749000027
Combiliner, Graphite, black	1.6 mm	4.00 m	ø 2.3 mm / 4.7	Stainless steel	749000028
Combiliner, Graphite, black	1.6 mm	5.00 m	ø 2.3 mm / 4.7	Stainless steel	749000029

► Liner, capillary liner and combiliner for other wire diameters on request.
 Length: 3 m, 4 m, 5 m.

Liner, capillary liner and combiliner are suitable for rust-free applications.



03 TOOLS & ACCESSORIES

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Wire feeders

For MIG/MAG Welding applications

DIX WD 300

For robotic and half automation applications

Technical data (IEC 60974-5):	
Wire feeder	DIX WD 300
Wire feed speed	0 - 24 m/min
Welding current, max.	500A/60% duty cycle
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

Options according to range of application



Model for supportive PUSH operation

3

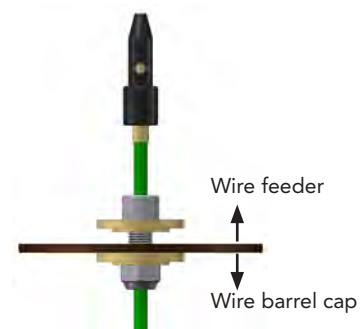
Tools and accessories

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
- ▶ For all power sources
- ▶ Light, robust and fully insulated through plastic housing

Application

- ▶ Solid and flux-cored wires
- ▶ Non- and low alloyed steels
- ▶ High alloyed steels
- ▶ Aluminum-, magnesium-, copper- and nickel alloys
- ▶ Small to large material thicknesses



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

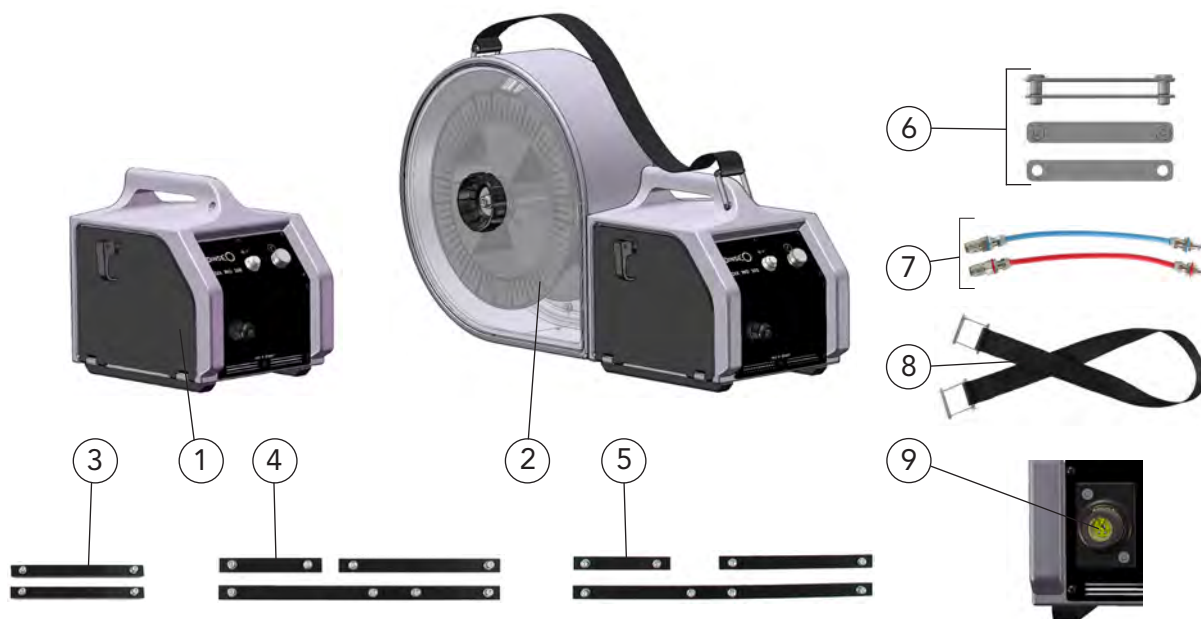


Wire feeders

For MIG/MAG Welding applications

DIX WD 300

For robotic and half automation applications



Description	Part name	Part number
1 Wire feeder Without drive roll*	DIX WD 300	730030000
2 Spool holder	DIX WDS 200	730520000
Spool holder	DIX WDS 300	730530000
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
8 Carry strap set For manual transport of DIX WD 300 with DIX WDS 200/300	DIX WDT 100	738020000
9 Torch connecting		
Gas solenoid valve set Not shown	DIX WDX 100	719280001
DFS-connection for marathon, not shown	DIX 36-2	718250001
Netztrafo, not shown	DIX NT 342	719590010
Verbindungskabel, 5 m, not shown	DIX NT 342-5	719590013

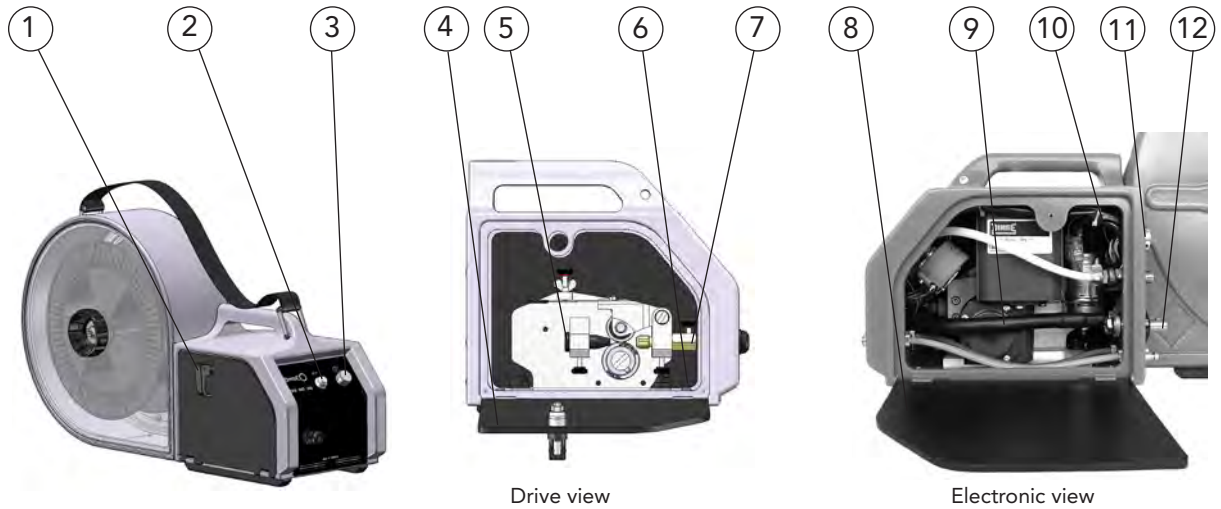
* Each wire diameter requires his own drive roll.
Part names and part numbers of the drive rolls are given in the spare parts and wear parts lists.

► 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.



Wire feeder WD 300



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 Intake spout	DIX 36-2 WDET	629363005
6 Screw, 2 pcs.	DIX DV-17-4000	719174000
7 Connecting adapter	DIX 36-2 DV	629363000
Clamping sleeve Not shown	DIX 27-2 MAP	629270041
Clamping nut Not shown	DIX 28-2 SA	629280040
8 Cover (electronic)	DIX WD-11-E	739110100
9 Power cable	DIX DV-25-1410/095	719254141095
10 Solenoid valve	DIX GMV-42	719280042
11 Mounting plug	DIX DV-37-23/BURNDY	719377023
12 Plug	DIX SE 50/70	122300050
13 Compact socket	DIX EC 2-976 DV	650002976
14 Mounting socket	DIX DV-38-23/BURNDY	719387023
15 Front plate	DIX FP 977	659060977
16 SA - socket	DIX SAB 3-002 WIG	650103002

3

Tools and accessories



Spare parts and wear parts

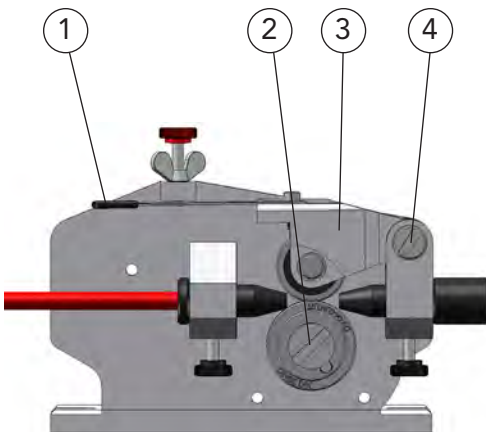


Wire feeder WD 300 Drive rolls, Drive, Wiring set

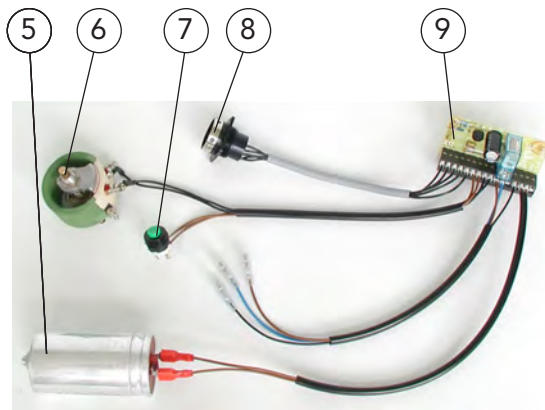


Description	Dimension	Part name	Part number
Type of application for steel wire electrodes:			
Drive roll	Wire ø 0.8 mm	DIX DV-04-08/08 T	719042080
Drive roll	Wire ø 1.0 mm	DIX DV-04-10/10 T	719042100
Drive roll	Wire ø 1.2 mm	DIX DV-04-12/12 T	719042120
Drive roll	Wire ø 1.6 mm	DIX DV-04-16/16 T	719042160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

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



2 rolls drive



Wiring set

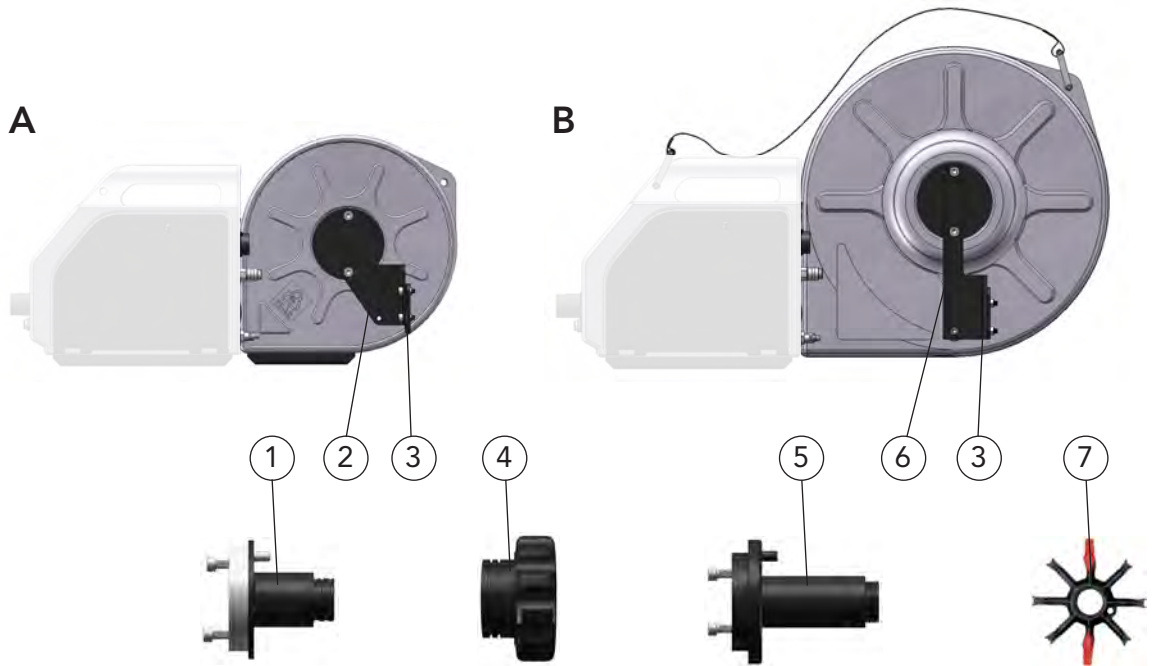
Description	Part name	Part number
1 Spring plate	DIX DV-06 F	71906030013
2 Holding screw For drive roll	DIX DV-05 S	719050400
3 Pressure shackle, compl.	DIX DV-06 P	719060300
4 Steering pivot pin	DIX DV-07 S	719070400
5 Capacitor	DIX DV-KS 02	718130002
6 Resistor	DIX DV-WS-002/1	71814000211
7 Tipping switch	DIX DV-32	719320000
8 Mounting plug	DIX DV-37-23/BURNDY	719377023
9 Logic board	DIX ESLO 0202	719430202



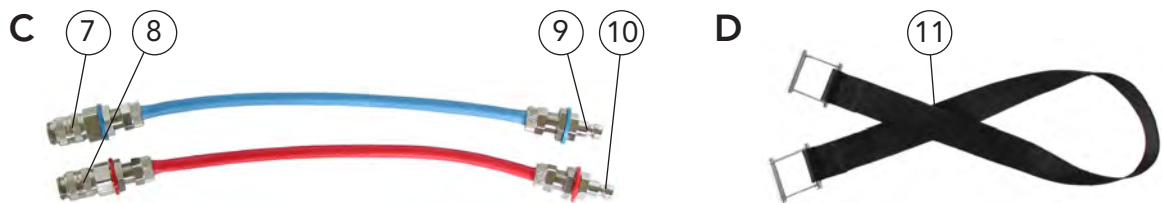
Spare parts and wear parts

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
D Carry strap set	DIX WDT 100	738020000
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
11 Carrying belt	DIX WDT 100/01	73802000011



Wire feeders

DIX WD 400

For manual applications MIG/MAG

Technical data (IEC 60974-5):	
Wire feeder	DIX WD 400
Wire feed speed	1.5 - 20 m/min
Welding current, max.	500A/60% duty cycle
Wire diameter	0.8 - 1.6 mm
Switching mode	2 stroke / 4 stroke
Open circuit voltage, max.	U ₀ = 113 V
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

Properties

- ▶ Light, robust and fully insulated through plastic housing
- ▶ Long life time without maintenance intervals through disk motor
- ▶ Uniform and powerful torque across the entire speed range
- ▶ Compatible with all common power sources
- ▶ Perfected through DINSE MIG/MAG welding torches
- ▶ DINSE 4 rolls drive with disk motor

Application

- ▶ Solid and flux-cored wires
- ▶ Non- and low alloyed steels
- ▶ High alloyed steels
- ▶ Aluminum-, magnesium-, copper- and nickel alloys
- ▶ Small to large material thicknesses

Options according to range of application



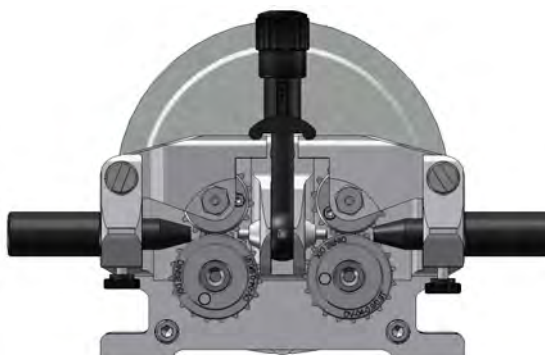
Wire feeder WD 400 front view with control elements



Model with spool holder WDS 300



Model with spool holder WDS 200



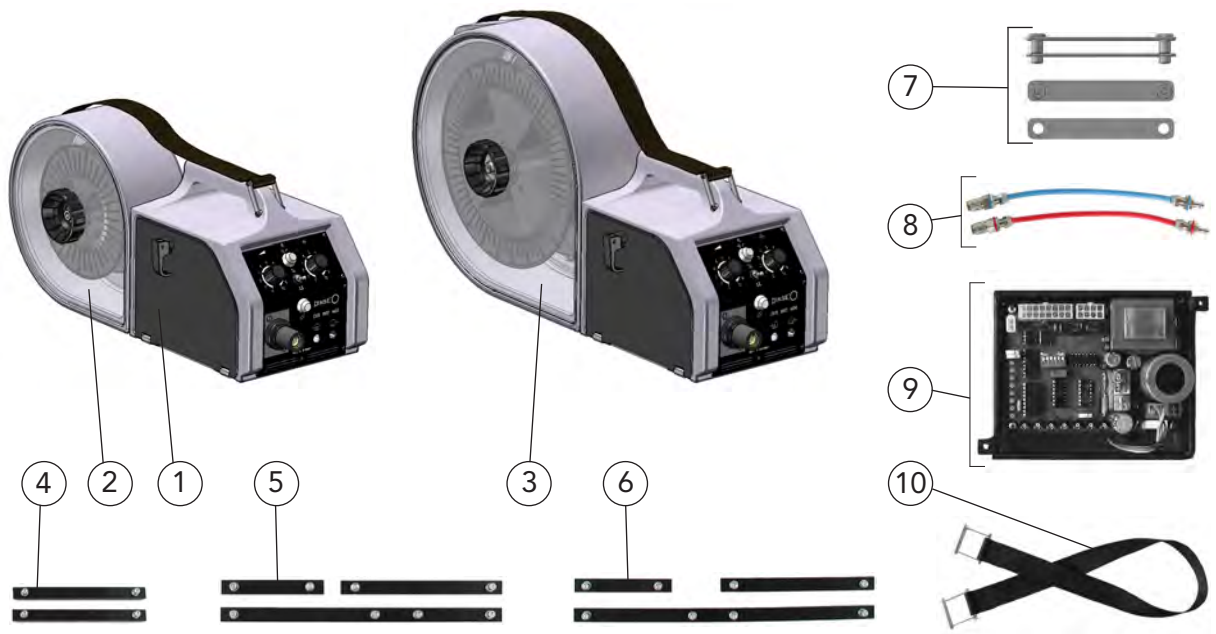
DINSE 4 rolls drive with disk motor



Wire feeders

DIX WD 400

For manual applications MIG/MAG



Tools and accessories

Description	Part name	Part number
1 Wire feeder Without drive rolls*	DIX WD 400	730040000
2 Spool holder	DIX WDS 200	730520000
3 Spool holder	DIX WDS 300	730530000
Options:		
4 Slide bar set For wire feeder DIX WD 400	DIX WDG 100	738030000
5 Slide bar set For wire feeder DIX WD 400 with spool holder DIX WDS 200	DIX WDG 200	738035200
6 Slide bar set For wire feeder DIX WD 400 with spool holder DIX WDS 300	DIX WDG 300	738035300
7 Connection set For connecting DIX WD 400 with DIX WDS 200/300	DIX WDV 100	738010000
8 Water set For liquid cooled model	DIX WDW 100	738040000
9 Control set Electronic module independent of the welding machine, only available ready-installed in the wire feeder	DIX WDE 400	737040000
10 Carry strap set For manual transport of DIX WD 400 with DIX WDS 200/300	DIX WDT 100	738020000

* Each wire diameter requires his own drive roll. Two drive rolls needed for this wire feeder. Part names and Part numbers of the drive rolls are given in the spare parts and wear parts lists.

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



Wire feeder WD 400

Torch sets and intermediate hose packages



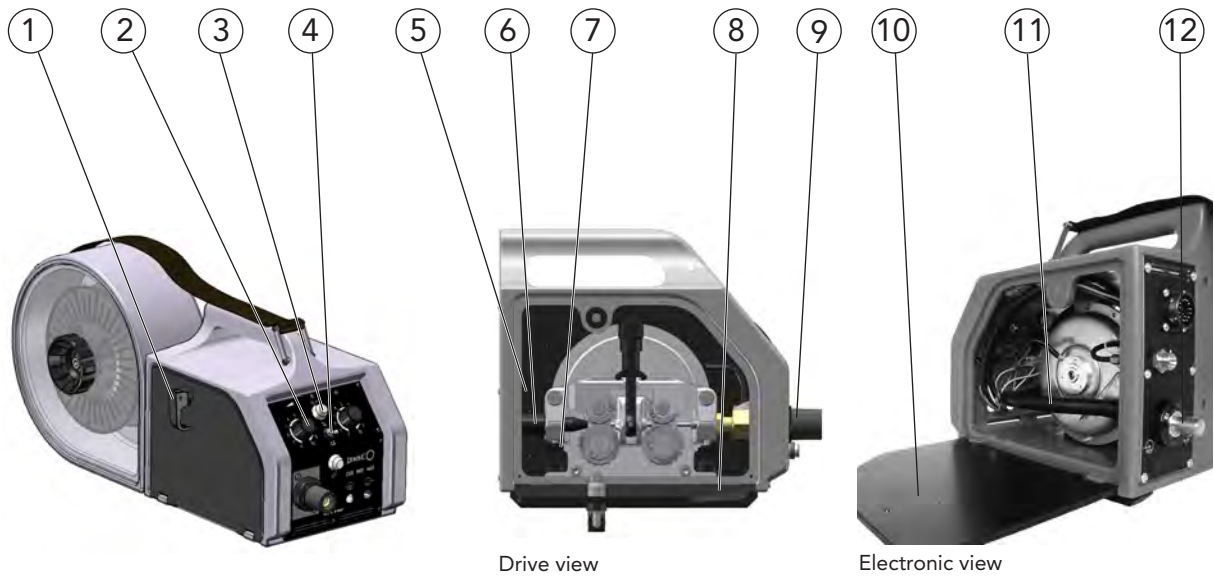
Description	Part name	Part number
Gas cooled:		
Torch sets	DIX MG 230-__	61020231__0
Torch sets	DIX MS 230-__	61021231__0
Torch sets	DIX MG 330-__	62020331__0
Torch sets	DIX MS 330-__	62021331__0
Torch sets For change heads	DIX MDW 300-__	6202473__0
Torch sets For PUSH - PULL with exchangeable torch heads	DIX MPW 300-__	6202773__0
Intermediate hose package	DIX ZS 70-__	7184074__
Liquid cooled:		
Torch sets	DIX MSZ 300-__	62011311__0
Torch sets	DIX MGZ 300-__	62011321__0
Torch sets	DIX MGZ 330-__	62010331__0
Torch sets	DIX MSZ 330-__	62011331__0
Torch sets	DIX MSZ 302-__	6201142__0
Torch sets	DIX MSZ 304-__	6201143__0
Torch sets	DIX MSZ 306-__	6201163__0
Torch sets PUSH - PULL	DIX MPZ 304-__	6201714__40
Intermediate hose package	DIX ZSZ 70-__	7184174__

-- Enter the desired length of the welding torch set, e.g.: 30 = 3.0 m or 40 = 4.0 m.
 Standard lengths: 3.0 and 4.0 m, PUSH-PULL: 4.0 and 8.0 m
 Intermediate hose package: 5.0 and 10.0 m (specify when placing an order).
 Other lengths on request.

► More informations of these welding torch sets you will find in Chapter 2 MIG/MAG MANUAL.



Wire feeder WD 400



Description	Part name	Part number
1 Cover plate catch	DIX WD-13-400	739130000
2 Adjustment knob	DIX DV-34-9001	719349001
3 Sealing cap	DIX DV-32 DK	719329000
4 Sealing cap	DIX DV-33 DK	719339001
5 Solenoid valve Not shown	DIX GMV-42	719280042
6 Intake spout	DIX 36-2-DVET/L	629363250
7 Screw, 2 pcs.	DIX DV-17-4000	719174000
8 Cover (drive)	DIX WD-11-A	739110000
9 Compact socket, compl.	DIX EC 2-976 DV	650002976
10 Cover (electronic)	DIX WD-11-E	739110100
11 Power cable	DIX DV-25-1410/095	719254141095
12 Plug	DIX SE 50/70	122300050



Spare parts and wear parts

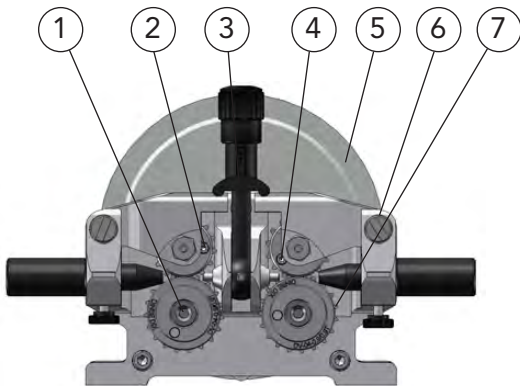


Wire feeder WD 400 Drive rolls, Drive, Wiring set

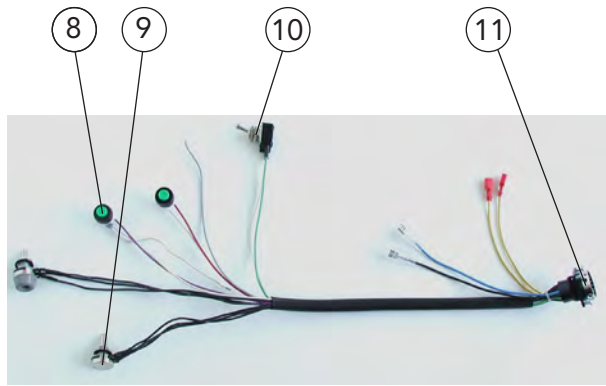


Description	Dimension	Part name	Part number
Type of application for steel wire electrodes:			
Drive roll	Wire ø 0.8 mm	DIX DV-04-08/08 T	719042080
Drive roll	Wire ø 1.0 mm	DIX DV-04-10/10 T	719042100
Drive roll	Wire ø 1.2 mm	DIX DV-04-12/12 T	719042120
Drive roll	Wire ø 1.6 mm	DIX DV-04-16/16 T	719042160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

► Each wire diameter requires his own drive roll. Two drive rolls needed for this wire feeder. Other diameters on request.



4 rolls drive



Wiring set

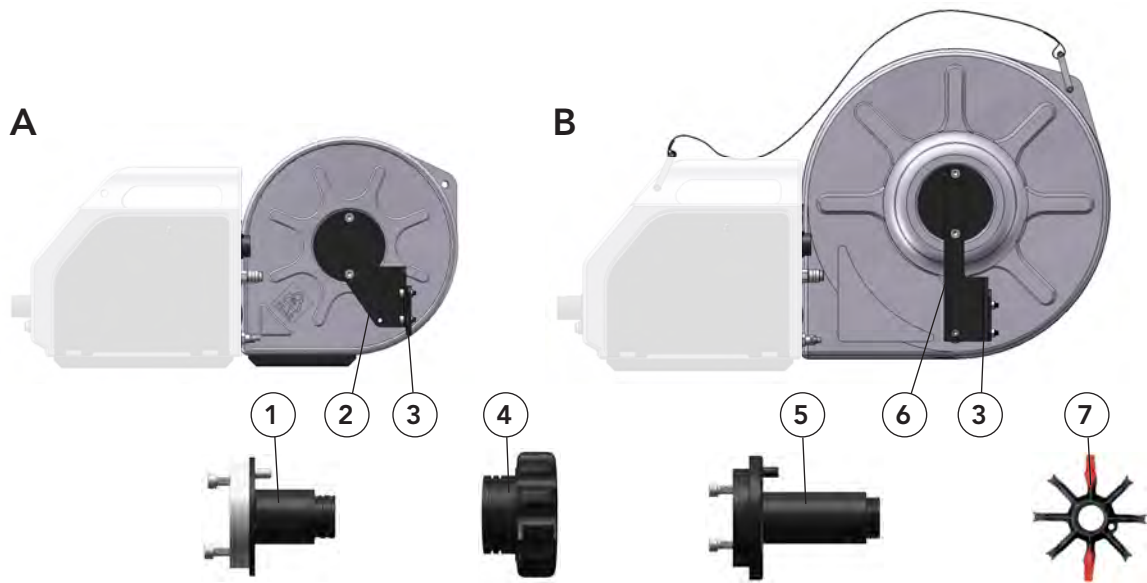
Description	Part name	Part number
1 Holding screw For drive rolls	DIX DV-05 S	719050400
2 Pressure shackle, left	DIX DV-06 ST li	719063401
3 Stirrup lock	DIX DV-08 S	719080400
4 Pressure shackle, right	DIX DV-06 ST re	719063402
5 Gear motor	DIX DV-02 S	719020400
6 Steering pivot pin	DIX DV-07 S	719070400
7 Gear wheel shim 2 pcs. existing, covered by drive roll	DIX DV-09 S	719090400
8 Tipping switch, 2 pcs. existing	DIX DV-32	719320000
9 Potentiometer, 2 pcs. existing	DIX DV-35-10	719350010
10 Toggle switch	DIX DV-33-Takt	719330001
11 Mounting plug	DIX DV-37-23/Burndy	719377023
Base Not shown	DIX WD-35/1	739351001



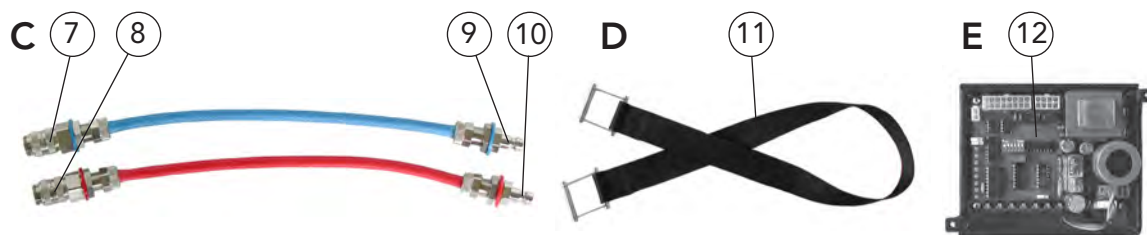
Spare parts and wear parts

Wire feeder WD 400

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
D Carry strap set	DIX WDT 100	738020000
E Control set	DIX WDE 400	737040000
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
11 Carrying belt	DIX WDT 100/01	73802000011
12 PC board, With transistor	DIX ESMO 0110	719420110
Transistor Not shown, control set	DIX ESMO 0110/01	71942011011
Power cable Not shown, control set	DIX WDE-25	739251000



Wire feeders

DIX WD 500

For manual applications TIG

Technical data (IEC 60974-5):	
Wire feeder	DIX WD 500
Wire feed speed	1.5 - 20 m/min
Welding current, max.	500A/60% duty cycle
Wire diameter	0.8 - 1.2 mm
Maximum line voltage	42VAC/50 Hz
Power consumption max.	120VA
Switching mode	2 stroke / 4 stroke
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

Options according to range of application



Wire feeder WD 500 front view with control elements

Properties

- ▶ Continuous wire feeding with adjustable reverse at stop
- ▶ For manual and mechanized applications (control voltage capable)
- ▶ Light, robust and fully insulated through plastic housing
- ▶ For all energy sources
- ▶ Perfected through DINSE TIG- welding torches with optionally wire guide
- ▶ DINSE 4 rolls drive with disk motor
- ▶ Not for high frequency applications

Options:

- ▶ Pulsed wire feeding with adjustable frequency of 1-10 Hz

Application

- ▶ Solid and flux-cored wires
- ▶ Non- and low alloyed steels
- ▶ High alloyed steels
- ▶ Aluminum-, magnesium-, copper- and nickel alloys
- ▶ Small to large material thicknesses



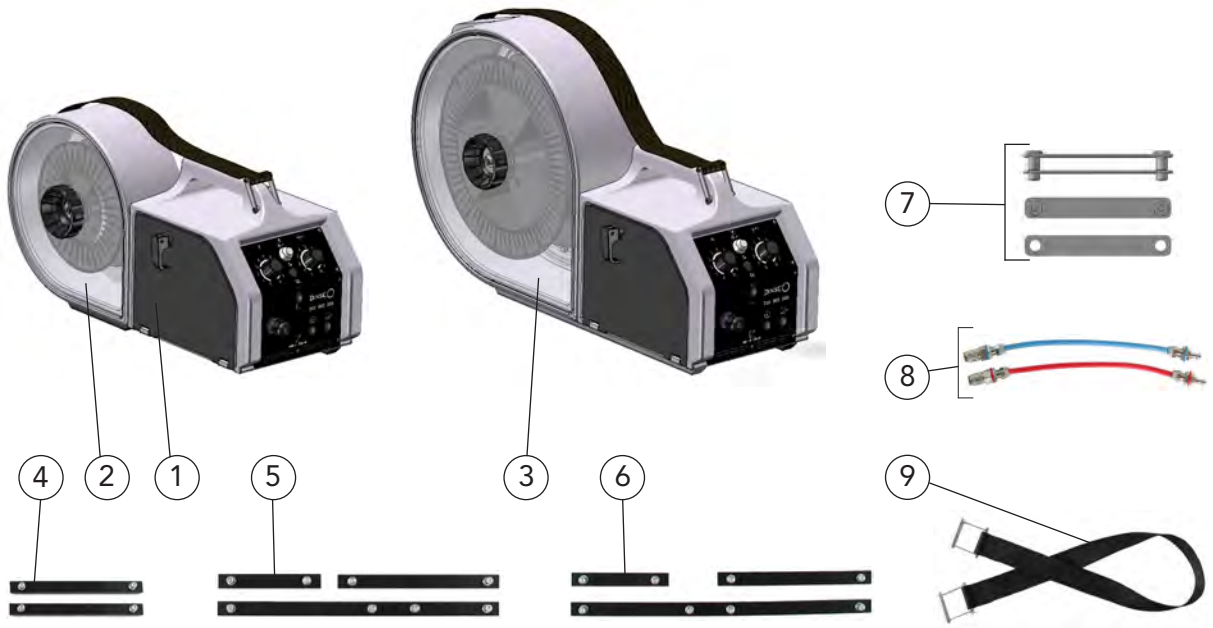
Alternatively with spool holder WDS 200 or WDS 300



Wire feeders

DIX WD 500

For manual applications TIG



Tools and accessories

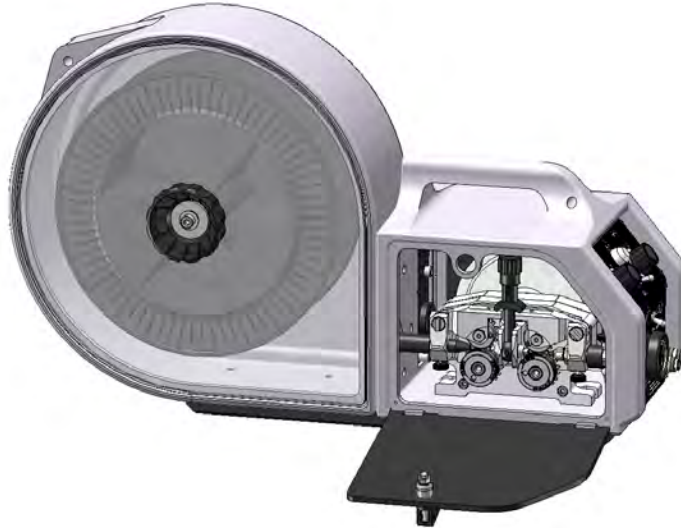
	Description	Part name	Part number
1	Wire feeder Without drive rolls*	DIX WD 500	730050000
2	Spool holder	DIX WDS 200	730520000
3	Spool holder	DIX WDS 300	730530000
Options:			
4	Slide bar set	DIX WDG 100	738030000
5	Slide bar set For wire feeder DIX WD 500 with spool holder DIX WDS 200	DIX WDG 200	738035200
6	Slide bar set For wire feeder DIX WD 500 with spool holder DIX WDS 300	DIX WDG 300	738035300
7	Connection set For connecting wire feeder with spool holder	DIX WDV 100	738010000
8	Water set For liquid cooled model	DIX WDW 100	738040000
9	Carry strap set For manual transport of wire feeder with spool holder	DIX WDT 100	738020000

* Each wire diameter requires his own drive roll. Two drive rolls needed for this wire feeder. Part names and Part numbers of the drive rolls are given in the spare parts and wear parts lists.

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



Wire feeder WD 500 For manual applications TIG



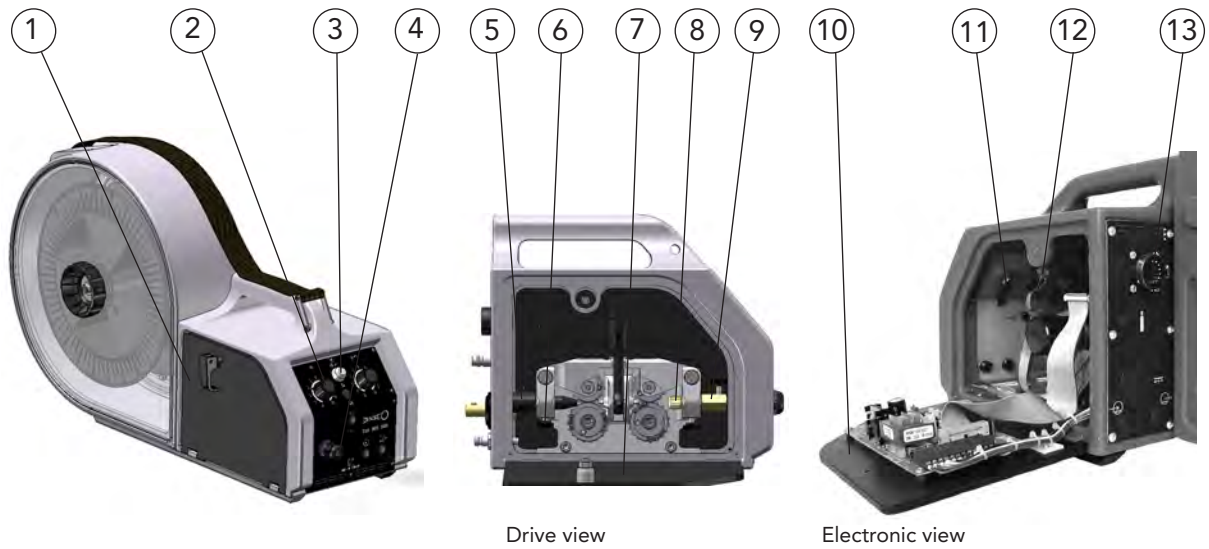
Description	Part name	Part number
Wire conduit hose Not shown	DIX VLM 201-3.0	629201230
Liner Ø 2.2mm/3.5m, not shown	DIX DS 4/2.2-3.5	623000335
Power transformer 42V/50Hz, not shown	DIX NT 342	719590010
Power cable Between power transformer and wire feeder, not shown	DIX NT 342-5.0	719590013
Power connection set For power transformer DIX NT 342, not shown	DIX WDX 500	730545001
Wire pulse set For continuous and pulsed wire feeding, not shown	DIX WDP 511	738050017
Wire - pulse - TIG set For continuous and pulsed wire feeding, with integrated torch connecting set, not shown	DIX WDP 510	738050020
Connecting cable For supply voltage, start/stop and set values, not shown	DIX WDAK 500-5.0	738090013
Intermediate hose package Between wire feeder and power source, not shown	DIX ZSZ 70-__ WIG	7184173__

-- Enter the desired length of the intermediate hose package.
Standard length: 5.0 m. Other lengths on request.

► All sets available only ready - installed.
For wire feeding use cold wire sets DIX KD 400 (Part number: 648540001) or DIX KDZ 400 (Part number: 648540003).



Wire feeder WD 500



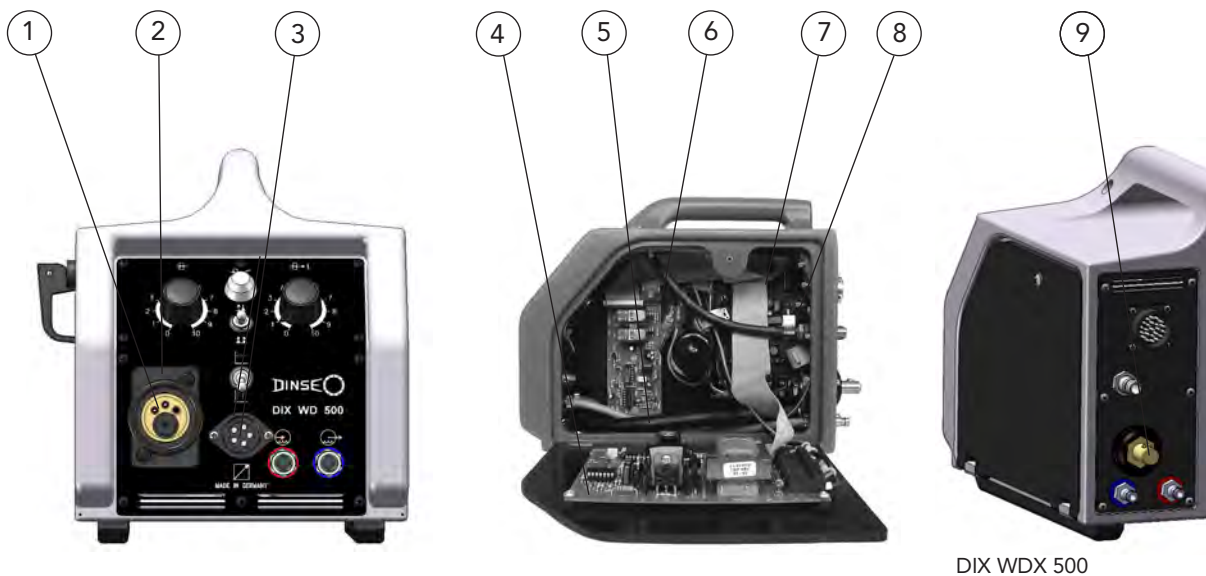
	Description	Part name	Part number
1	Cover plate catch	DIX WD-13-400	739130000
2	Adjustment knob	DIX DV-34-9001	719349001
3	Sealing cap	DIX DV-32 DK	719329000
4	Clamp adapter	DIX DV-29/9	719290009
5	Intake spout	DIX 36-2-DVET/L	629363250
6	Screw, 2 pcs.	DIX DV-17-4000	719174000
7	Cover (drive)	DIX WD-11-A	739110000
8	Clamping nut	DIX 28-2 SA	629280040
	Clamping sleeve, not shown	DIX 27-2 MAP	629270041
9	Connecting adapter	DIX 36-2-DV	629363000
10	Cover (electronic)	DIX WD-11-E	739110100
11	Potentiometer 2 pcs. existing	DIX DV-35-10	719350010
12	Tipping switch	DIX DV-32	719320000
13	Mounting plug	DIX DV-37-23/BURNDY	719377023



Spare parts and wear parts



Wire feeder WD 500 Power connection set WDX 500



DIX WDX 500

	Description	Part name	Part number
1	SA - socket	DIX SAB 3-002 WIG	650103002
2	Front plate	DIX FP 977	659060977
3	Mounting socket	DIX Tuch. 5 pol.	719382005
4	PC - board Control	DIX KDMO 0160 A	719660161
5	Power cable	DIX DV-25-1410/095	719254141095
6	PC - board Logic	DIX KDMO 0160 L	719660162
7	Control cable	DIX DV-56-026	719561026
8	PC - board Pulse	DIX KDLO 0260	719430260
9	Plug	DIX SE 50/70	122300050

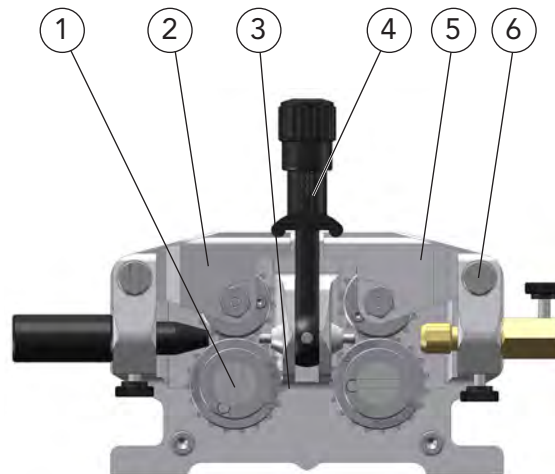


Wire feeder WD 500 Drive rolls, Drive



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

► Each wire diameter requires his own drive roll. Two drive rolls needed for this wire feeder. Other diameters on request.



4-Rollenantrieb

Description	Part name	Part number
1 Holding screw For drive rolls	DIX DV-05 S	719050400
2 Pressure shackle, left	DIX DV-06 ST li	719063401
3 Gear wheel shim 2 pcs. existing, covered by drive roll	DIX DV-09 S	719090400
4 Stirrup lock	DIX DV-08 S	719080400
5 Pressure shackle, right	DIX DV-06 ST re	719063402
6 Steering pivot pin	DIX DV-07 S	719070400

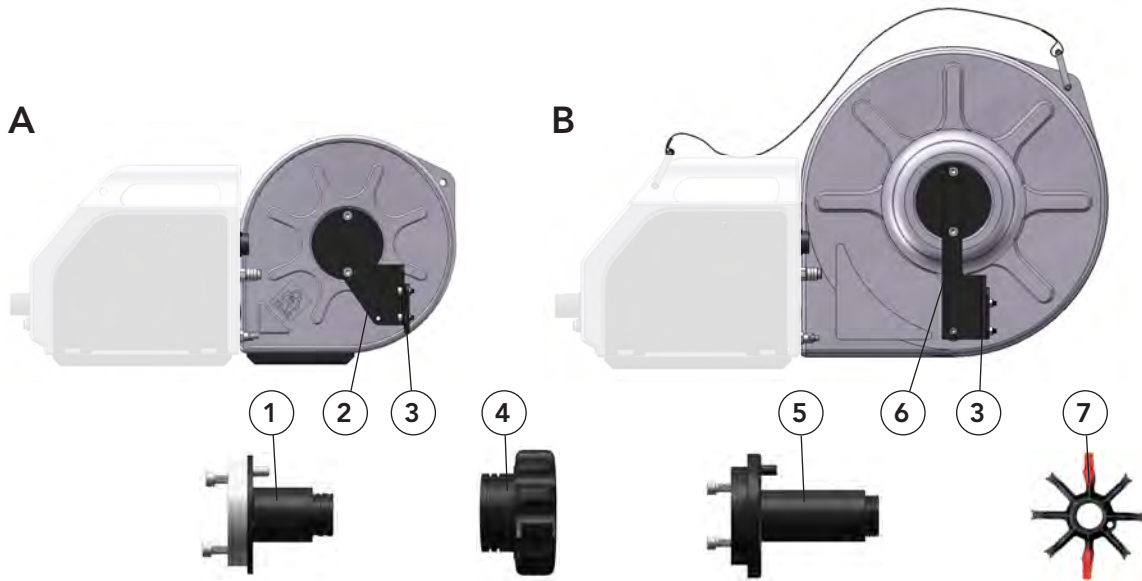


Spare parts and wear parts

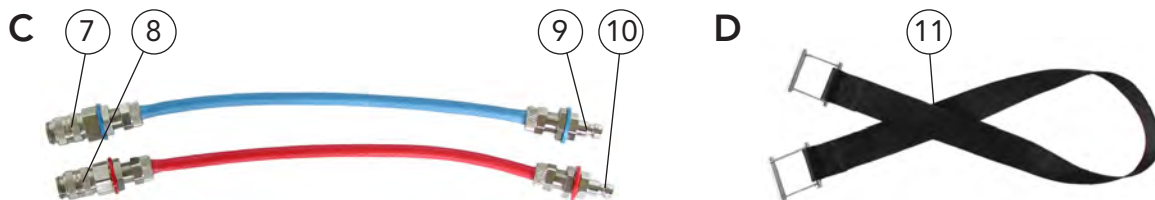


Wire feeder WD 500

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
D Carry strap set	DIX WDT 100	738020000
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
11 Carrying belt	DIX WDT 100/01	73802000011

Tools and accessories

3





Wire feeders TIG

DIX WD 710

For robotic and half automation applications TIG

Technical datas (IEC 60974-5):

Wire feeder	DIX WD 710
Wire feed speed	1.5 - 25 m/min
Wire diameter	0,6 - 2,4 mm
Protection class	IP 23
Dimensions (L/W/H)	275/220/250 mm
Weigth	5,05 kg
Spool holder	DIX WDS 200 DIX WDS 300

Options according to application



Wire feeder WD 710 front view

Properties

- ▶ Continuous wire feeding
- ▶ Light, robust and fully insulated through plastic housing
- ▶ Completely insulated feed motor
- ▶ Euro connection
- ▶ For manual and automated applications

Applications

- ▶ Solid wires
- ▶ Non- and low alloyed steels
- ▶ High alloyed steels
- ▶ Aluminum-, magnesium-, copper- and nickel alloys
- ▶ Small to large material thicknesses



Wire feeder WD 710 with spool holder WDS 200



Example for TIG system application variation



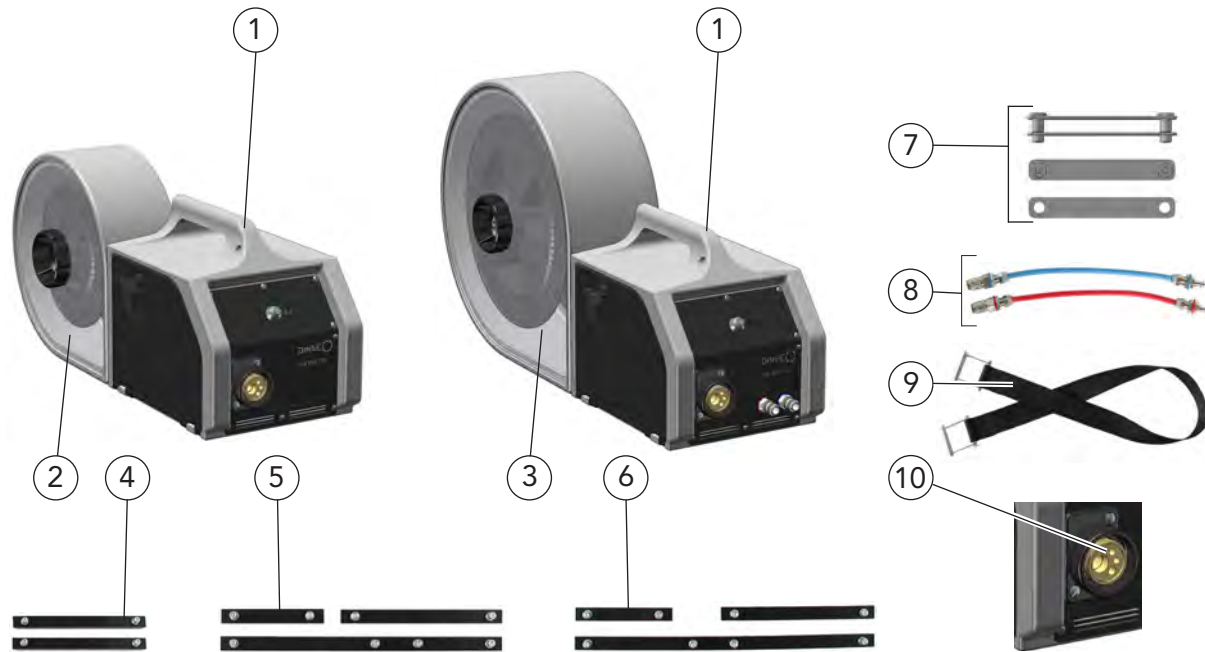
Wire feeder WD 710 with spool holder WDS 300

Tools and accessories



Wire feeder TIG DIX WD 710

For robotic and half automation applications TIG



Description	Part name	Part number
1 Wire feeder without drive rolls*	DIX WD 710	730071000
2 Spool holder	DIX WDS 200	730520000
3 Spool holder	DIX WDS 300	730530000
Options:		
4 Slide bar set for wire feeder DIX WD 710	DIX WDG 100	738030000
5 Slide bar set for wire feeder DIX WD 710 with spool holder DIX WDS 200	DIX WDG 200	738035200
6 Slide bar set for wire feeder DIX WD 710 with spool holder DIX WDS 300	DIX WDG 300	738035300
7 Connection set For connection of wire feeder with spool holder	DIX WDV 100	738010000
8 Water set for liquid cooled model	DIX WDW 100	738040000
9 Carry strap set For manual transport of DIX WD 300 with DIX WDS 200/300	DIX WDT 100	738020000
Torch connecting set Only ready-installed available	DIX WFS	738070052
10 Torch connecting Gas solenoid valve set, not shown	DIX WDX 100	719280001

* Each wire diameter requires his own drive roll.
Part names and part numbers of the drive rolls are given in the spare parts and wear parts lists.

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





Accessories

Wire feeder WD 710

For robotic and half automation applications TIG



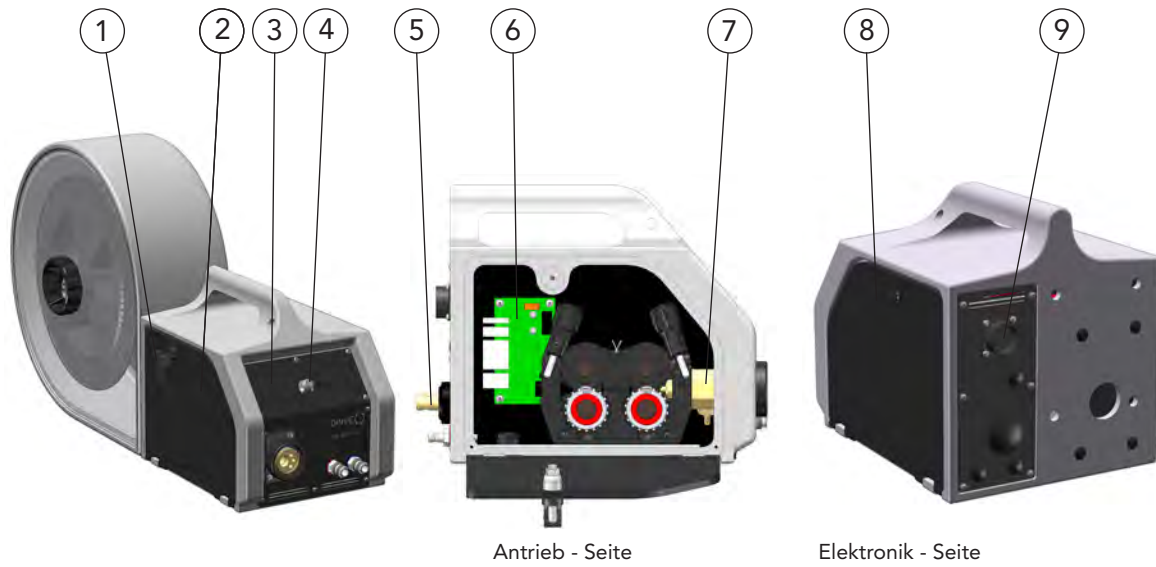
Description	Part name	Part number
Conduit hose (not shown)	DIX VLM 201-3,0	629201230
Liner (Ø 2.2mm/3.5m, not shown)	DIX DS 4/2,2-3,5	623000335
Power transformer (42V/50Hz, not shown)	DIX NT 342	719590010
Connection cable (between power transformer and wire feeder, not shown)	DIX NT 342-5,0	719590013
Power connection set (for power transformer DIX NT 342, not shown)	DIX WDX 500	730545001
Wire pulse set (for continuous and pulsed wire feeding, not shown)	DIX WDP 511	738050017
Wire pulse TIG set (for continuous and pulsed wire feeding, integrated fitting connection, not shown)	DIX WDP 510	738050020
Connection cable (for supply voltage, start/stop and setpoints, not shown)	DIX WDAK 500-5,0	738090013
Intermediate hose package (between wire feeder and power source, not shown)	DIX ZSZ 70-__ WIG	7184173__

-- Define the length of the intermediate hose package here, z.B.: 40 = 4.0 m oder 50 = 5.0 m.
Standard length: 5.0 m. Other lengths on request.

▶ All sets only available assembled. Use cold wire sets DIX KD 400 (part number: 648 540 001) or DIX KDZ 400 (part number: 648 540 003) for cold wire feeding.



Wire feeder WD 710



Description	Part name	Part number
1 Cover plate catch	DIX WD-13-400	739130000
2 Cover (drive)	DIX WD-11-A	739110000
3 Front plate WD 710	DIX WD-710 FP	73007100015
4 Sealing cap	DIX DV-32 DK	719329000
5 Plug	DIX SE 50/70	122300050
6 Encoder board	DIX EPD_1V0	7410087104
7 SA - socket	DIX SA-B-710	7410087139
8 Cover (electronic)	DIX WD-11-E	739110100
9 Mounting plug, not shown	DIX DV-37-23/Burndy	719377023
Screw, 2 pieces, not shown	DIX DV-17-4000	719174000
Tipping switch, not shown	DIX DV-32	719320000

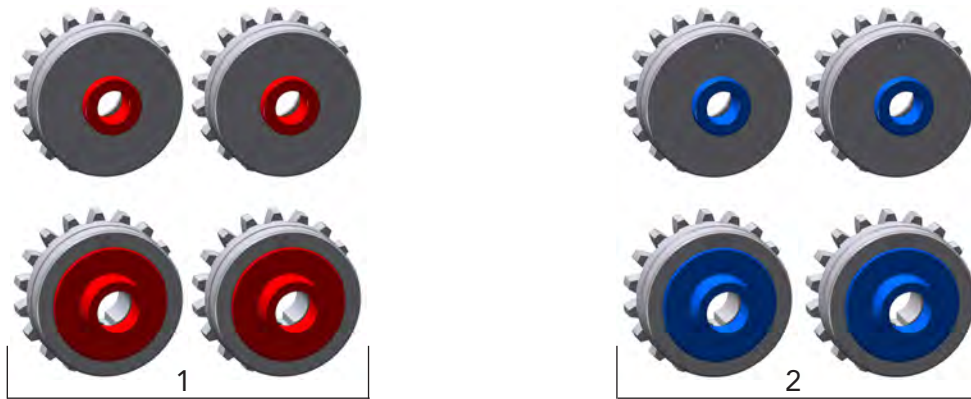


Drive rolls sets WFR-xx S(A) TWIN

Wire feeder WD 710

For robotic and half automation applications TIG

Spare parts and wear parts



Description	Dimensions	Part name	Part number
For welding wire steel (red marker):			
1 Drive rolls set (4 rolls)	ø 37 mm, 0.8 mm	DIX WFR-08S TWIN	7410084408
Drive rolls set (4 rolls)	ø 37 mm, 1.0 mm	DIX WFR-10S TWIN	7410084410
Drive rolls set (4 rolls)	ø 37 mm, 1.2 mm	DIX WFR-12S TWIN	7410084412
Drive rolls set (4 rolls)	ø 37 mm, 1.6 mm	DIX WFR-16S TWIN	7410084416
For welding wire aluminium- and copper alloy (blue marker):			
2 Drive rolls set (4 rolls)	ø 37 mm, 0.8 mm	DIX WFR-08A TWIN	7410084608
Drive rolls set (4 rolls)	ø 37 mm, 1.0 mm	DIX WFR-10A TWIN	7410084610
Drive rolls set (4 rolls)	ø 37 mm, 1.2 mm	DIX WFR-12A TWIN	7410084612
Drive rolls set (4 rolls)	ø 37 mm, 1.6 mm	DIX WFR-16A TWIN	7410084616

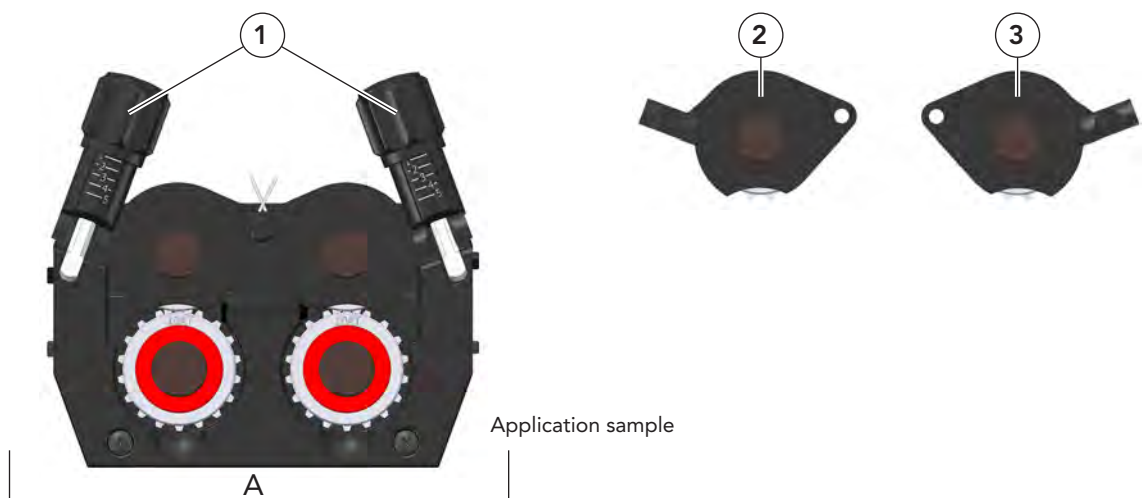
► Two drive rollers are required per wire diameter. Other diameters on request.

4-R Wire feedereinheit WD-710

Wire feeder WD 710

For robotic and half automation applications TIG

Spare parts and wear parts

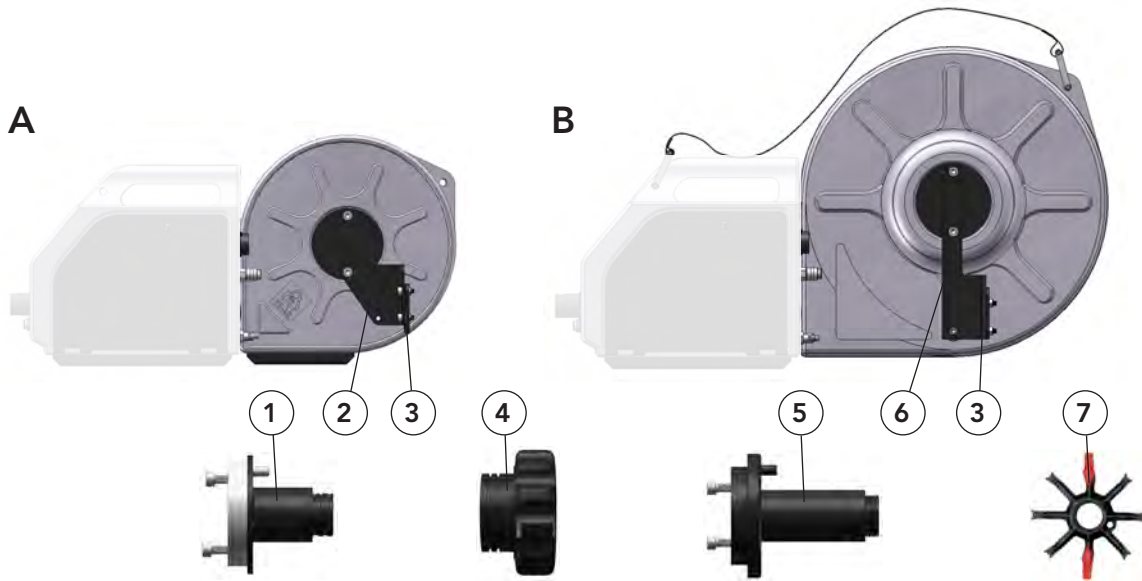


Description	Part name	Part number
A 4-R wire feed unit WD-710	DIX WD-710 4-R	629900223
1 Pressure unit, complete	DIX 710 W-CL	7410087131
2 Pressure arm, complete, left	DIX 50 W-KS/L	7410087101
3 Pressure arm, complete, right	DIX 50 W-KS/R	7410087102

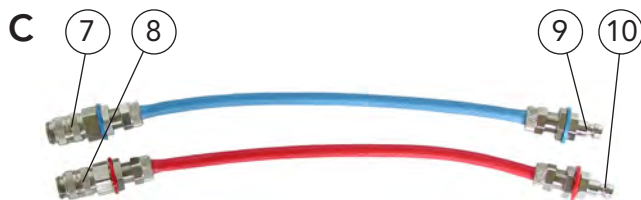


Wire feeder WD 710

Spool holder, Water 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 Wasser-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



Fume Extractions DIX FE 340 S(R)

Fume extraction systems for manual-, robotic- and automatic applications

Technical data:	
Fume Extraction	DIX FE 340 S (R)
Line voltage	230V / 50Hz
Power input	1.5 KW
Air volume flow, max. (without measuring unit)	180 m3/h
Maximum low-pressure	33500 Pa
Filtration efficiency Class W3 according to DGUV	99.97%
Dimension (L/W/H) (with mounted wheels set)	700/440/585(660)
Weight	approx. 39 - 42 kg
Ambient temperature	0° C to +50° C
Connection diameter (optionally available with connecting piece ø 38 mm or ø 51 mm)	44 mm
Polyester mat Filter element	5 m2
Maximum duty cycle	100%
Protection class	IP 42
Welding fume class	W3 (Device under test)
Noise level	<60 dB(A)
Optionally (pos. 4, 5 and 6): Vacuum indicator for set value	

- Application**
- Deposition of fume particles generated during the following welding processes:
 - Low alloyed steels (e.g. iron oxide)
 - High alloyed steels (e.g. nickel oxide)
 - Non-ferrous metal (a.g. aluminum oxides)



Fume Extraction DIX FE 340



- Properties**
- Mobile high vacuum extraction system
 - Low noise level
 - Maximum performance at long haulage ways
 - Automatic filter cleaning
 - 5 m² filter cartridge
 - Start/Stop automatic
 - Energy costs reduced

Description	Dimension	Part name	Part number
Fume Extraction, FE 340 S, without wheel set		DIX FE 340 S	629900098
Fume Extraction, FE 340 R, with wheel set		DIX FE 340 R	629900280
Options:			
Individual software adjustment FE 340, not shown Only in conjunction with Pos. 4 Control of: Start/Stop/cleaning, off-carriage target, throughput target, acknowledgement of filter status/filter exchange, malfunction messages via network with Siemens Bus (Logo or S7)			629900132
Ethernet network connection FE 340, not shown Only in conjunction with Pos. 3 Control of: Start/Stop/cleaning, off-carriage target, throughput target, acknowledgement of filter status/filter exchange, malfunction messages via network with Siemens Bus (Logo or S7)			629900133
Throughput stabilisation FE 340, not shown FU controlled throughput stabilisation (regulating) with setable low-pressure (digital display)			629900134
Pressure reducer for compressed air for housing mount FE 340, not shown For compressed air mounting			629900135



Fume Extractions

DIX FE 340

Fume extraction systems for manual-, robotic- and automatic applications

Spare parts and wear parts



Description	Dimension	Part number
Options:		
1 Extraction hose Ø44-1 Superflex	1.0 m	629900077
Extraction hose Ø44-3 Superflex, not shown	3.0 m	629900078
Extraction hose Ø44-5 Superflex, not shown	5.0 m	629900079
Extraction hose Ø44-7,5 Superflex, not shown	7.5 m	629900103
Extraction hose Ø44-10 Superflex, not shown	10.0 m	629900281
Extraction hose Ø44-15 Superflex, not shown	15.0 m	629900080
Wheels set FE 340 retrofitting set, not shown Support- and guide rolls with brake, 2 pieces each for retrofitting		629900075
Control extensions cable FE 340-3, not shown For sensor cable with 5 pins Neutrik connection plug	3.0 m	629900126
Control extensions cable FE 340-5, not shown For sensor cable with 5 pins Neutrik connection plug	5.0 m	629900127
Control extensions cable FE 340-10, not shown For sensor cable with 5 pins Neutrik connection plug	10.0 m	629900128

Tools and accessories

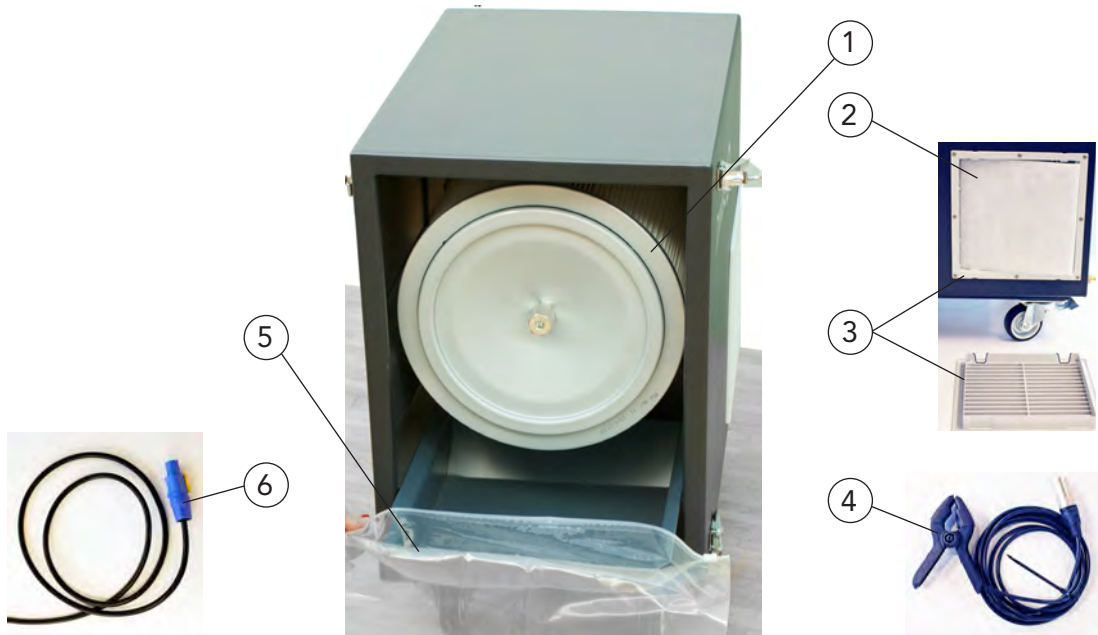
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Fume Extractions DIX FE 340

Fume extraction systems for manual-, robotic- and automatic applications

Spare parts and wear parts



View - rear side

Description	Dimension	Part number
Spare parts and wear parts:		
1 Filter cartridge FE 340		629900100
2 Filter mats FE 340 For external air intake	(5 pcs.)	629900123
Filter set FE 340 Including pos. 1 and 2		629900124
3 Filter housing FE 340 FH		629900376
4 Sensor cable, FE 340-2.5 For Start/Stop automatic with nipper for fixing it to the measuring cable	2.5 m	629900074
Control cable FE 340-5, not shown For Start/Stop automatic for control via potential free contact	5.0 m	629900125
Pressure hose FE 340-2, not shown With quick release	2.0 m	629900129
Pressure hose FE 340-5, not shown With quick release	5.0 m	629900130
Pressure hose FE 340-10, not shown With quick release	10.0 m	629900131
5 Particle bag FE 340		629900104
6 Power connection cable, 3.0 m, With Neutrik- and Schuko plug, not shown	3.0 m	629900183



Fume Extractions

DIX FE 340

Fume extraction systems for manual-, robotic- and automatic applications

Spare parts and wear parts



Description	Dimension	Part number
Exhaust cleaning jet wing, not shown	300 mm	629900150
Solenoid valve 3/4" 24V DC, not shown		629900151
Control cable solenoid valve, not shown		629900152
Side channel blower 1.5 KW, not shown With connection cable		629900153
Frequency converter 230/1.5 KW , not shown		629900154
Control cable, not shown With Phönix plug (14-20) for Frequency converter		629900155
Powercon power connection internal, with Phönix plug (1-3), not shown		629900156
Power-supply unit 24V/25W, with Phönix plug (21-22), not shown		629900157
Sensor modul plate, with Phönix plug (8-11), not shown		629900158
Filter contact switch, not shown		629900159
Control panel FE 340 version 1.0 complete, not shown For connection plug (29-40) standard		620900161
Control panel FE 340 version 1.1 complete, not shown For Phönix plug (29-40) with low-pressure display		629900162
Control panel FE 340 version 1.2 complete, not shown For Phönix plug (29-40) with potentiometer, coating and low-pressure display		629900163
Acoustics detector, with Phönix plug (12-13), not shown		629900160
Scanner element, operating button separate, without scanner lens, not shown		629900164
Mounting adapter, not shown		629900165
Push-button lens green, during operation, not shown		629900166
Push-button lens red, for disturbance, not shown		629900167
Push-button lens yellow, for filter change, not shown		629900168
Potentiometer 10K, not shown		629900169
Contact element normal open, not shown		629900170
Contact element normal closed, not shown		629900171
LED element 12-30V red, not shown		629900173
LED element 12-30V white, not shown		629900174
LED element 12-30V green, not shown		629900172
Control, pre-assembled and programmed 8.0, not shown		629900175
Extended control, not shown With regulating, pre-assembled and programmed 8.1		629900176
Siemens logo 12/24RCo, pre-assembled, not shown		629900177
Siemens extension module DM8 24, not shown		629900178
Siemens extension module AM2 AQ, not shown Only for equipment with regulation		629900179
Cap filter housing black fine structure matted, not shown		629900180
Fastener, with safety loop, not shown		629900181
Counter hook, rivet possible, not shown		629900182

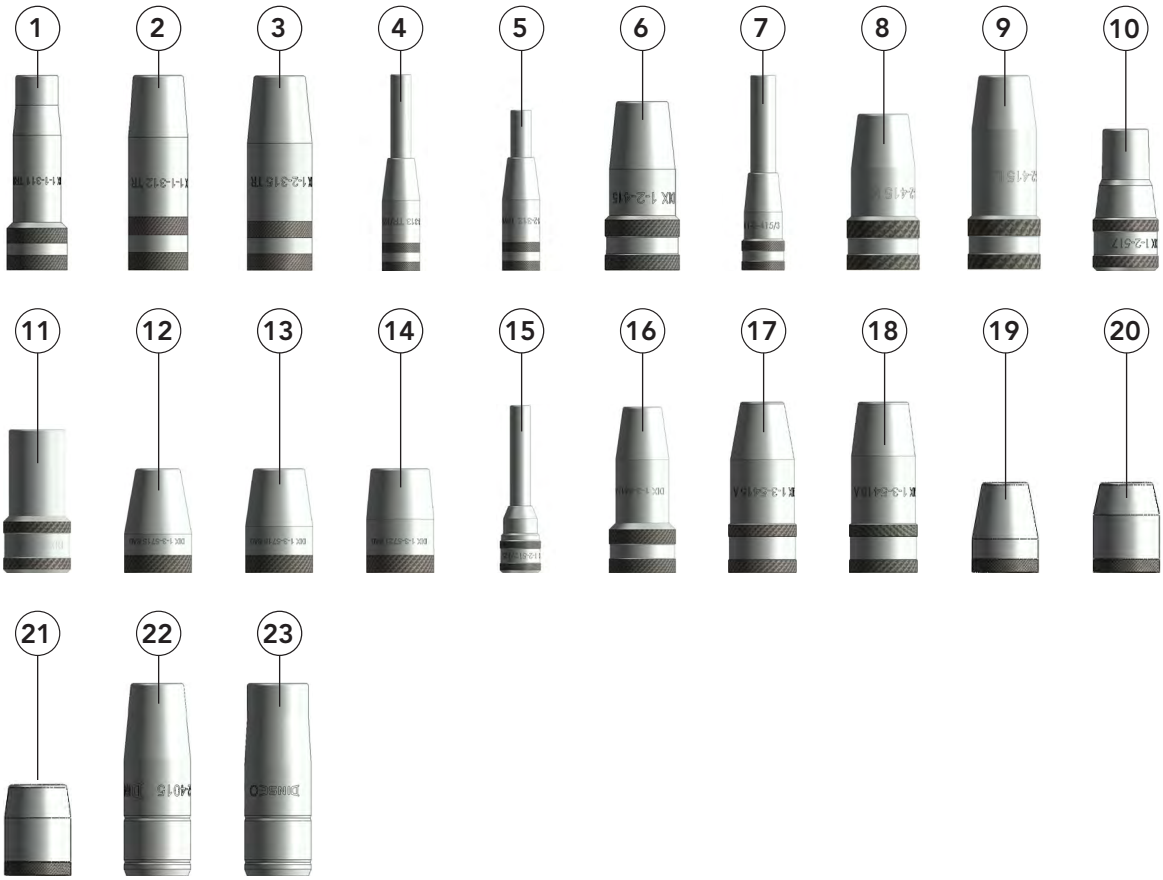




Gas nozzles

For manual torch sets

MIG/MAG



3

Tools and accessories



Gas nozzles

For manual torch sets

MIG/MAG



Part name	Part number	For use with
1 DIX 1-1-311 TRR	6190106110	MS/MG/MQ 230, MWS/MWL 230 45°, MSZ/MQZ 230
2 DIX 1-1-312 TR	6190103120	MS/MG/MQ 230 MRZ 230, MWS/MWL 230 45°, MSZ/MQZ 230
DIX 1-1-316 TR	6190103160	
3 DIX 1-2-313 TR	6290103130	MS/MG/MC/MQ 330, MF 340C SA, MQZ 330 (SATZ), MS/MG/MC/MQ 340C SA, MSZ/MGZ/MCZ 330 (SATZ), MWS/MWL 330 45°, MR 340C SA (BJ)
DIX 1-2-315 TR	6290103150	
DIX 1-2-318 TR	6290103180	
4 DIX 1-2-313 TR/125	6290103131	
5 DIX 1-2-313 TR/102	P629010KI001	
6 DIX 1-2-413	629010413	MSZ/MCZ 304 (SATZ), MRZ 304 (BJ), MQZ 304 (SATZ), MRZ 350 (nur 1-2-415), MPZ 304
DIX 1-2-415	629010415	
DIX 1-2-418	629010418	
7 DIX 1-2-415/3	6290104153	
8 DIX 1-2-413 K	629010403	
DIX 1-2-415 K	629010405	
DIX 1-2-418 K	629010408	
9 DIX 1-2-415 L	6290104152	
DIX 1-2-418 L	6290104182	
10 DIX 1-2-517	629010517	
DIX 1-2-517 OG	6290105171	
11 DIX 1-2-521	629010521	
12 DIX 1-3-5715 SAD*	6390257157	
13 DIX 1-3-5718 SAD*	6390257187	
14 DIX 1-3-5721 SAD*	6390257217	MSZ/MCZ 305 (SATZ), MQZ 305 (SATZ), MRZ 305 (BJ)
15 DIX 1-2-511/125 OG	6290191518	
DIX 1-2-512/125	6290191528	
16 DIX 1-3-5415 AR	6390154155	
17 DIX 1-3-5415 A	6390154150	
18 DIX 1-3-5418 A	6390154180	
19 DIX KMG 115 TR**	628040315	
20 DIX KMG 118 TR**	628040318	
21 DIX KMG 121 TR**	628040321	MSZ/MCZ 306 (SATZ), MQZ 306 (SATZ)
22 DIX 1-2-4015***	629010015	
23 DIX 1-2-4018***	629010018	

* Screw adapter DIX SAD 5700 required
 ** Cooling jacket DIX KM 100 required
 *** Clamping adapter DIX KAD 4040 required





Gas nozzles For manual torch sets MIG/MAG

Gasdüse	Torch neck Artikelnr.	230(Z)	330(Z)	340	304	305	306
DIX 1-1-311 TRR	6190106110	X					
DIX 1-1-312 TR	6190103120	X					
DIX 1-1-316 TR	6190103160	X					
DIX 1-2-313 TR	6290103130		X	X			
DIX 1-2-315 TR	6290103150		X	X			
DIX 1-2-318 TR	6290103180		X	X			
DIX 1-2-313 TR/125	6290103131		X				
DIX 1-2-313 TR/102	P629010KI001		X				
DIX 1-2-413	629010413				X		
DIX 1-2-415	629010415				X		
DIX 1-2-418	629010418				X		
DIX 1-2-415/3	6290104153				X		
DIX 1-2-413 K	629010403				X		
DIX 1-2-415 K	629010405				X		
DIX 1-2-418 K	629010408				X		
DIX 1-2-415 L	6290104152				X		
DIX 1-2-418 L	6290104182				X		
DIX 1-2-517	629010517					X	
DIX 1-2-517 OG	6290105171					X	
DIX 1-2-521	629010521					X	
DIX 1-3-5715 SAD	6390257157					S	
DIX 1-3-5718 SAD	6390257187					S	
DIX 1-3-5721 SAD	6390257217					S	
DIX 1-2-511/125 OG	6290191518					X	
DIX 1-2-512/125	6290191528					X	
DIX 1-3-5415 AR	6390154155						X
DIX 1-3-5415 A	6390154150						X
DIX 1-3-5418 A	6390154180						X
DIX KMG 115 TR	628040315						K
DIX KMG 118 TR	628040318						K
DIX KMG 121 TR	628040321						K
DIX 1-2-4015	629010015						KA
DIX 1-2-4018	629010018						KA

Tools and accessories



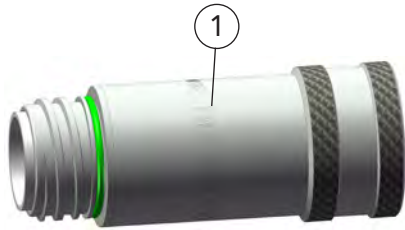
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KA = Clamping adapter required
K = Cooling jacket required
S = Screw adapter required

Cooling jackets and screw adapters

For manual torch sets

MIG/MAG



Application sample



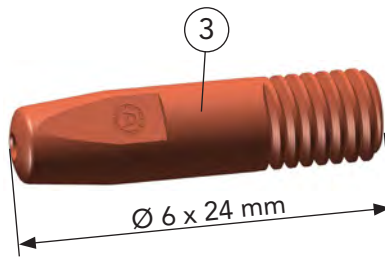
Application sample

Part name	Part number	For use with
1 Cooling jacket		
DIX KM 100	628040301	MSZ/MCZ/MOZ 306 with gas nozzles KMG 1_ _
2 Screw adapter		
DIX SAD 5700	628145700	MSZ/MCZ 305 with gas nozzles 1-3-57_ _ SAD
DIX SAD 2-404/540	628140000	MSZ/MCZ/MOZ 306 with gas nozzles 1-3-54_ _

Contact tips

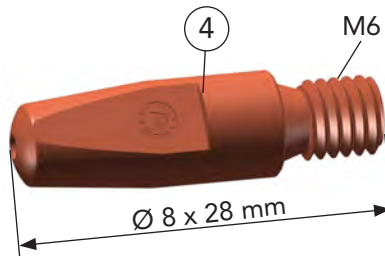
For manual torch sets

MIG/MAG



Type 3-1- _ _

Part name	Part number	For use with
3 DIX 3-1- _ _	6190300_ _	MS/MG/MQ 230, MR(Z) 230, MWS/MWL 230 45°, MSZ/MOZ 230



Type 3-2- _ _ (CR-ZR)

Part name	Part number	For use with
4 DIX 3-2- _ _	6290300_ _	MS/MG/MQ 230, MWS/MWL 230 45°, MS/MG/MC/MQ 330 MS/MG/MC/MQ 340C SA, MWS/MWL 330 45°, MF 340C SA MSZ/MOZ 230, MSZ/MGZ/MCZ/MOZ 330, MSZ/MGZ/MCZ 330 SATZ MQZ 330 SATZ, MR 230, MR 330 MR 340C SA (BJ), MRZ 230, MRZ 330
DIX 3-2- _ _ CR-ZR	6290330_ _	

Common wire diameters: 0.8 mm, 1.0 mm, 1.2 mm, 1.4 mm, 1.6 mm und 2.0 mm





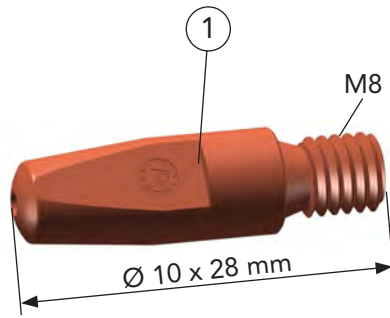
Contact tips

For manual torch sets

MIG/MAG

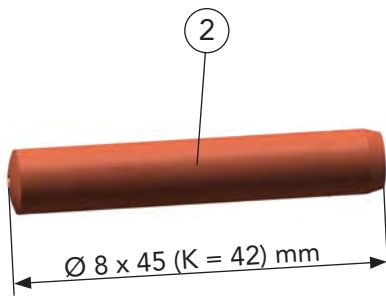
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Tools and accessories

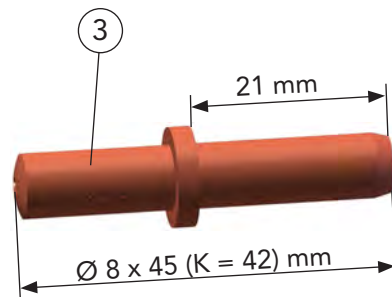


Type 3-2-__ M8 (CR-ZR)

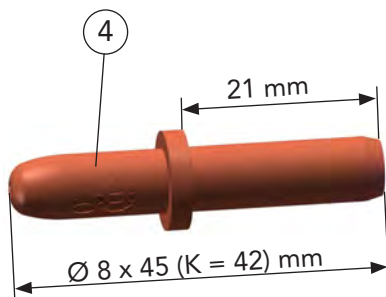
Part name	Part number	For use with
1 DIX 3-2-__ M8	6290301__	MS/MG/MC/MQ 330, MS/MG/MC/MQ 340C SA, MWS/MWL 330 45° MF 340C SA, MSZ/MGZ/MCZ/MQZ 330, MSZ/MCZ/MQZ 304 MSZ/MCZ/MQZ 305, MSZ/MCZ/MQZ 306, MPZ 304 MSZ/MGZ/MCZ 330 SATZ, MQZ 330 SATZ, MSZ/MCZ 304 SATZ MQZ 304 SATZ, MSZ/MCZ 305 SATZ, MQZ 305 SATZ MR 330, MR 340C SA (BJ), MRZ 330 MRZ 304 (BJ), MRZ 305 (BJ)
DIX 3-2-__ M8 CR-ZR	6290331__	



Type 3-2-__ S(K)



Type 3-2-__ SR(K)



Type 3-2-__ SA(K)

Part name	Part number	For use with
2 DIX 3-2-__ S	6290374__	MSZ/MCZ/MQZ 306
DIX 3-2-__ SK	6290376__	
3 DIX 3-2-__ SR	6290354__	
DIX 3-2-__ SRK	6290356__	
4 DIX 3-2-__ SA	6290304__	
DIX 3-2-__ SAK	6290306__	



Contact tips

For manual torch sets

MIG/MAG



Contact tips for narrow gap gas nozzles*

Part name	Part number	Combination / Gas nozzles*	Part number	For use with torch sets
1 DIX 3-1-_/80	6190394_	DIX 1-2-313 TR/125	6290103131	MS/MG/MC/MQ/MR 330, MS/MG/MC/MQ 340C SA, MSZ/MGZ/MCZ/MRZ 330 (SATZ)
2 DIX 3-1-1.2/63	P619039HM003	DIX 1-2-313 TR/102	P629010KI001	MS/MG/MC/MQ/MR 330, MS/MG/MC/MQ 340C SA, MSZ/MGZ/MCZ/MRZ 330 (SATZ)
3 DIX 3-2-_/ M8/93	629039010_	DIX 1-2-415/3	6290104153	MSZ/MCZ/MRZ 304 (SATZ), MQZ 304 (SATZ)
4 DIX 3-2-_/ M8/90	6290337_2	DIX 1-2-511/125 OG DIX 1-2-511/125	6290191518 6290191528	MSZ/MCZ/MRZ 305 (SATZ), MQZ 305 (SATZ)

Common wire diameters: 0.8 mm, 1.0 mm, 1.2 mm, 1.4 mm, 1.6 mm und 2.0 mm



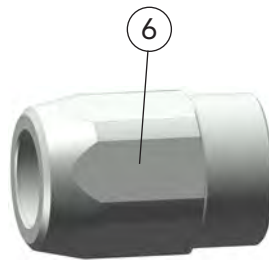


Tip adapters For manual torch sets MIG/MAG



Part name	Part number	For use with
1 DIX 4-1-L	619040020	MS/MG/MQ 230 MWS/MWL 230 45° MSZ/MQZ 230
2 DIX 4-1-K	619040010	MS/MG/MQ 230 MWS/MWL 230 45° MSZ/MQZ 230 MR 230 MRZ 230
3 DIX 4-2-K M6 DIX 4-2-K M8	629040010 629040110	MS/MG/MC/MQ 330 MWS/MWL 330 45° MSZ/MGZ/MCZ/MQZ 330 MSZ/MGZ/MCZ 330 SATZ MQZ 330 SATZ MR 330 MRZ 330 MMZ 330
4 DIX GS 300 M6 DIX GS 300 M8	629040301 629040302	MS/MG/MC/MQ 340C SA MF 340C SA MR 340C SA (BJ)
5 DIX GS 2-M8	628150008	MSZ/MCZ/MQZ 306 MMZ 306

Clamp nut For manual torch sets MIG/MAG



Application sample

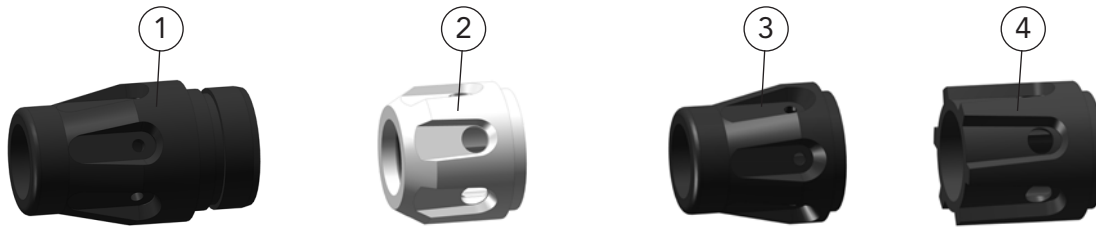
Part name	Part number	For use with
6 Clamp nut DIX 4-2-MAS	6390454000	MSZ/MCZ/MQZ 306



Gas diffusers

For manual torch sets

MIG/MAG



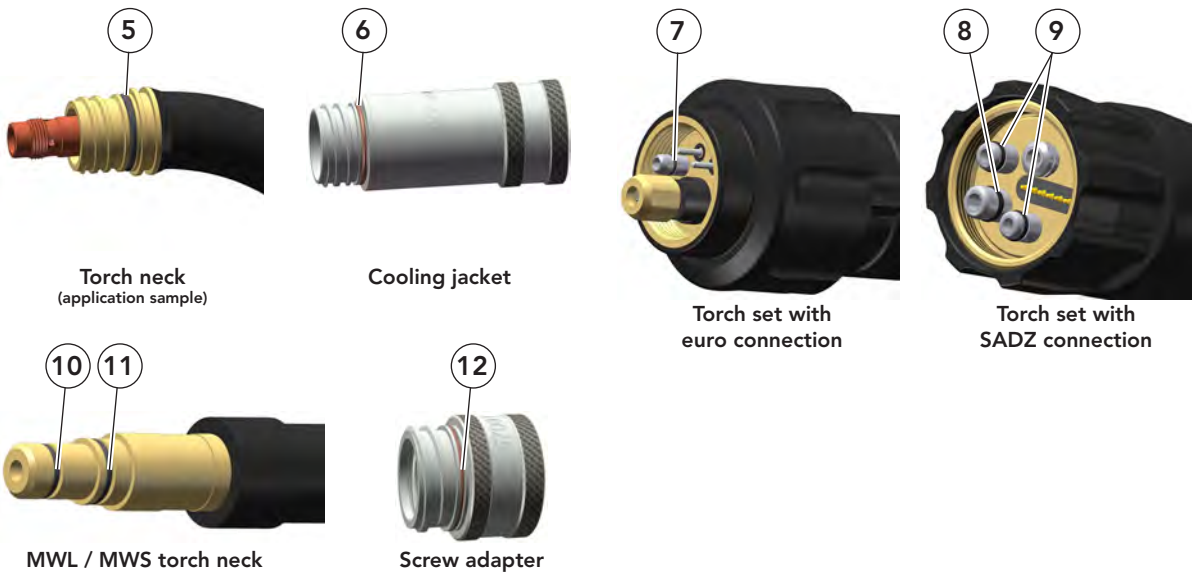
Part name	Part number	For use with
1 DIX 10-2-304	629100324	MSZ/MCZ/MQZ 304 MPZ 304 MSZ/MCZ/MQZ 304 SATZ MRZ 350 MRZ 304 (BJ)
2 DIX 10-2-305 K*	6291003051	MSZ/MCZ/MQZ 305 MSZ/MCZ/MQZ 305 SATZ MRZ 305 (BJ)
3 DIX 10-2-305	6291003052	MSZ/MCZ/MQZ 305 MSZ/MCZ/MQZ 305 SATZ MRZ 305 (BJ)
4 DIX 10-3-540	6391054000	MSZ/MCZ/MQZ 306 MMZ 306

* Gas diffusers made of ceramic

O-rings

For automatic torch sets

MIG/MAG



	Dimensions	pcs.	Part no.	For use with
5 O-Ring	19.0 x 1.5 mm	(10)	629073901	MSZ/MGZ/MCZ 330 (SATZ)
O-Ring	19.0 x 2.0 mm	(10)	629061005	MS(L)Z/MC(L)Z 304, MSZ/MCZ 304 SATZ, MRZ 304, MPZ 304, MQZ 304.neo, MQFZ 304.neo SADZ
O-Ring	18.0 x 2.0 mm	(12)	639060005	MSZ/MCZ 305 (SATZ), MQZ 305.neo, MRZ 305, MSZ/MCZ 306, MQZ 306.neo
6 O-Ring VITON	23.0 x 1.5 mm	(10)	629110904	Cooling jacket DIX KM 100 (MSZ/MCZ 306)
7 O-Ring	4.0 x 1.0 mm	(10)	629110901	every torch set with euro connection
8 O-Ring	5.1 x 1.6 mm	(10)	629061014	MQFZ 330.neo SADZ, MQFZ 304.neo SADZ
9 O-Ring	4.1 x 1.6 mm	(10)	629061013	MQFZ 330.neo SADZ, MQFZ 304.neo SADZ
10 O-Ring	7.0 x 1.5 mm	(10)	639159009	MWL/MWS 230, MWL/MWS 330
11 O-Ring	9.0 x 1.5 mm	(10)	629900267	MWL/MWS 230, MWL/MWS 330
12 O-Ring VITON	24.0 x 1.0 mm	(10)	639060007	Screw adapter DIX SAD 5700 (MSZ/MCZ 305)

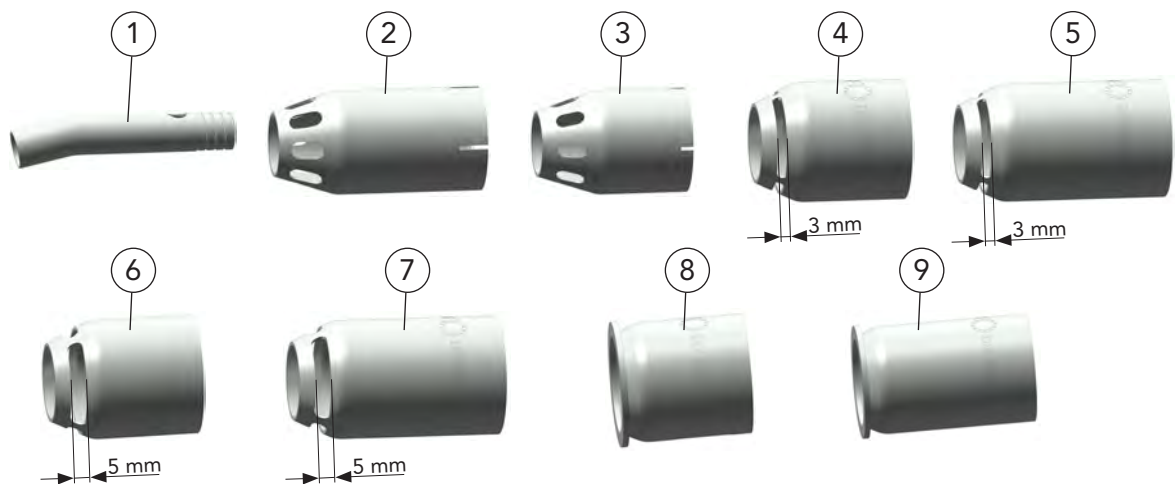


Connecting pieces, Intake nozzles For manual torch sets MIG/MAG



Part name	Part number	For use with
Connecting pieces		
1 DIX MES 300/500	639061500041	MSZ/MGZ/MCZ 305 SATZ MQZ 305 SATZ MSZ/MCZ/MQZ 304 SATZ MSZ/MGZ/MCZ 330 SATZ MQZ 330 SATZ MSZ/MCZ/MQZ 305 SATZ

Fume extraction nozzle For manual torch sets MIG/MAG

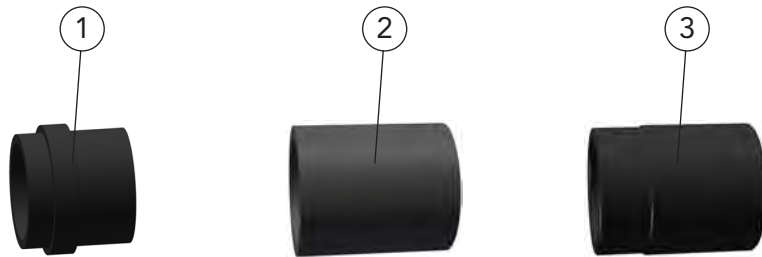


Part name	Part number	For use with
1 DIX ZAD 300 EX	6287112300	ZA 300 EX
2 DIX 71-1-250 R	619710250	MR 230 MRZ 230
3 DIX 71-2-350 R	629710350	MR 330 MRZ 330 MRZ 350
4 DIX SN 1	629071115	MRZ 304 (BJ) MRZ 305 (BJ)
5 DIX SN 2	629071116	MR 340C SA (BJ) MRZ 3300 (BJ)
6 DIX SN 3	629071150	MRZ 304 (BJ) MRZ 305 (BJ)
7 DIX SN 4	629071152	MR 340C SA (BJ) MRZ 3300 (BJ)
8 DIX SN 5	629071157	MRZ 304 (BJ) MRZ 305 (BJ)
9 DIX SN 6	629071159	MR 340C SA (BJ) MRZ 3300 (BJ)

Insulating sleeves

For manual torch sets

MIG/MAG

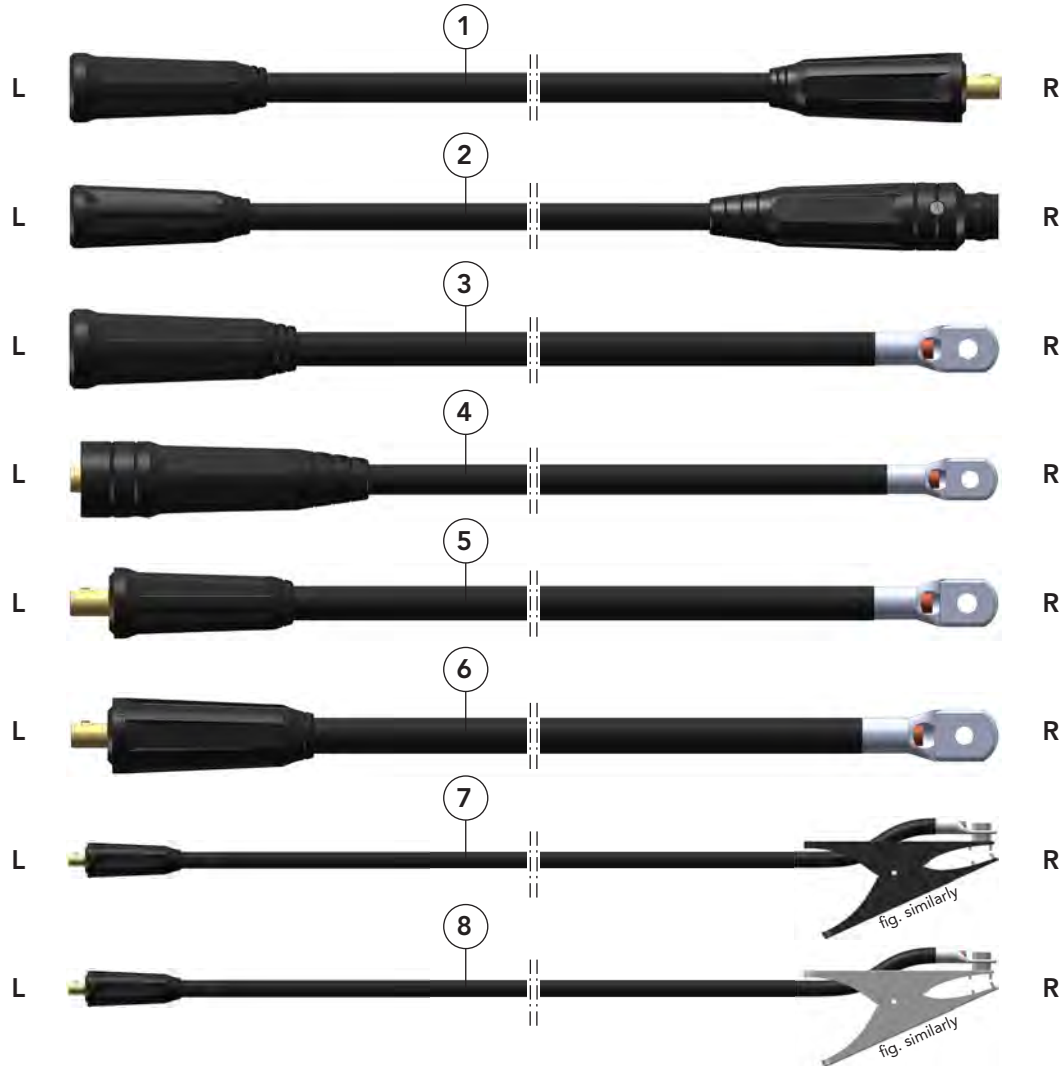


Part name	Part number	For use with
1 DIX 10-1-222	619100202	MS/MG/MQ 230 MSZ/MGZ/MQZ 230
2 DIX 10-2	629100000	MWS/MWL 230 45° MRZ 230
		MS/MG/MC/MQ 330 MSZ/MGZ/MCZ/MQZ 330
		MWS/MWL 330 45° MSZ/MGZ/MCZ 330 SATZ
		MRZ 330 MMZ 330
3 DIX IH 340	629060341038	MS/MG/MC 340C SA MF 340C SA
		MR 230 MR 330 MQZ 330 SATZ MR 340C SA (BJ)



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



Description	Length (m) x cross section (mm ²)	Connection L / R	Currentm capacit max. (at 60% ED)	Part name	Part number
1 Ground cable	9,0 x 70	BKK 70 / SKK 70	400A	DIX BKK / SKK 70-9	629900294
Ground cable	11,5 x 70	BKK 70 / SKK 70	400A	DIX BKK / SKK 70-11.5	629900295
Ground cable	15,0 x 70	BKK 70 / SKK 70	400A	DIX BKK / SKK 70-15	629900300
2 Ground cable	15,0 x 70	BKK 70 / BKS 95-54*	400A	DIX BKS / BKK 70-15 / 54	629900341
3 Ground cable	13,0 x 70	BKK 70 / Cable lug M10	400A	DIX BKK / KS 10mm-13	629900342
4 Ground cable	1,5 x 70	SKS 95 / Cable lug M10	400A	DIX SKS / KS 10mm-1.5	629900343
5 Ground cable	1,5 x 70	SK 70 / Cable lug M10	400A	DIX GL-1,5-70	7410087141
Ground cable	5,0 x 70	SK 70 / Cable lug M10	400A	DIX GL-5/70	7410087005
Ground cable	10,0 x 70	SK 70 / Cable lug M10	400A	DIX GL-10/70	7410087010
Ground cable	13,0 x 70	SK 70 / Cable lug M10	400A	DIX GL-13/70	7410087145
Ground cable	18,0 x 70	SK 70 / Cable lug M10	400A	DIX GL-18/70	7410087140
6 Ground cable	5,0 x 95	SKK 95 / Cable lug M10	480A	DIX GL-5/95	7410089505
Ground cable	10,0 x 95	SKK 95 / Cable lug M10	480A	DIX GL-10/95	7410089510
Ground cable	25,0 x 95	SKK 95 / Cable lug M10	480A	DIX GL-25/95	7410089525
7 Ground cable	5,0 x 95	SKK 95 / Ground terminal	480A	DIX GL-5/95/1	7410189505
8 Ground cable	4,0 x 16	SKM 25 / Metal sheet pliers 200A	140A	DIX GL.M 16-4	7420070000
Ground cable	4,0 x 25	SK 25 / Metal sheet pliers 300A	190A	DIX GL.M 25-4	7420070001
Ground cable	5,0 x 35	SK 50 / Metal sheet pliers 400A	230A	DIX GL.M 35-5	7420070002
Ground cable	5,0 x 50	SK 50 / Metal sheet pliers 400A	300A	DIX GL.M 50-5	7420070003
Ground cable	5,0 x 70	SK 70 / Metal sheet pliers 500A	400A	DIX GL.M 70-5	7420070004
Ground cable	5,0 x 95	SKK 95 / Metal sheet pliers 600A	480A	DIX GL.M 95-5	7420070005

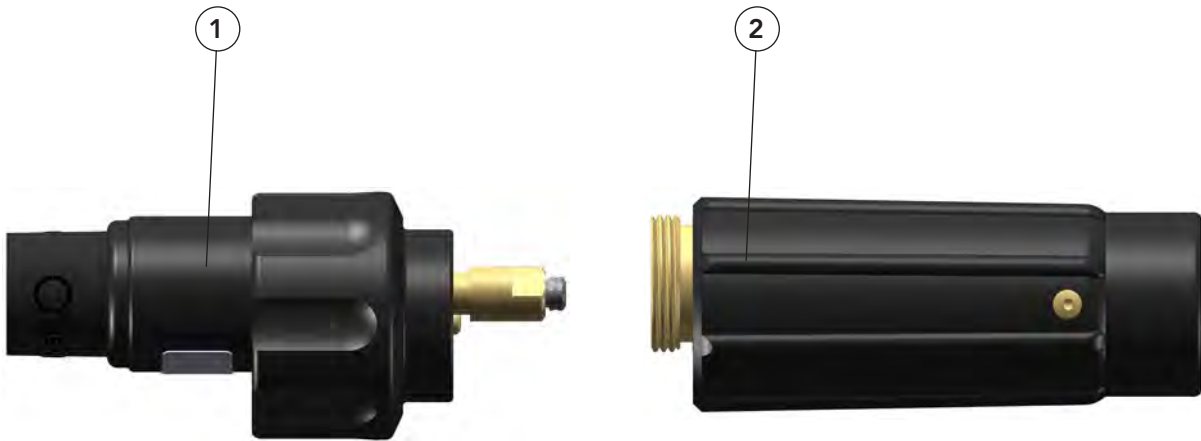
* The socket BKS 95-54 is water proof according class IP 54.



Intermediate adapter

For manual torch sets

MIG/MAG



Description	Part name	Part number
1 Intermediate adapter, DINSE → EURO	DIX EC-SA	650000000
2 Intermediate adapter, EURO → DINSE	DIX SA-EC	650000002





System holder for supply hose

For manual torches

MIG/MAG



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



Leather hose for fume extraction - integrated version

For gas- and liquid-cooled torch sets

Leather hose, black



Application sample
Torch set DIX MRZ 304 SAZ / BJ / NW36 / LEDER

Description	Usage Torch sets	Part name	Part number
Leather hose, black Hose diameter: 38 mm with hook-and-pile fastener	MR 340C (SA) (LEDER) MRZ 304 (SAZ) (LEDER) MRZ 305 (SAZ) (LEDER)	DIX LT 38-_, _ _	629233_ _ _
Leather hose, black Hose diameter: 52 mm with hook-and-pile fastener	MR 340C (SA) BJ/NW36 (LEDER) MRZ 304 (SAZ) BJ/NW36 (LEDER) MRLZ 304 (SAZ) BJ/NW36 (LEDER) MRZ 305 (SAZ) BJ/NW36 (LEDER)	DIX LT 52-_, _ _	629239_ _ _
Leather hose, black Length: 1.2 m Length: Heat shrink tube 20 mm	MRZ 350 (LEDER) MRZ 350 (SAZ) (LEDER)	DIX 76-1-250 R	619760250
Leather hose, black Length: 1.2 m Length: Heat shrink tube 20 mm		DIX 76-2-350 R	629760350
Leather hose, black Length: 3.7 m Length: Heat shrink tube 20 mm	MRZ 230 (LEDER) MRZ 230 (SAZ) (LEDER)	DIX 76-1-230 R	61976023011
Leather hose, black Length: 3.7 m Length: Heat shrink tube 20 mm	MRZ 330 (LEDER) MRZ 330 (SAZ) (LEDER)	DIX 76-2-330 R	629760330

_ _ _ Enter the required length for torch sets, e.g.: 074 = 0.74 m or 150 = 1.5 m
Standard length: 0.74 m, 1.50 m, 2.10 m, 2.60 m, 3.60 m or 4.60 m

Other length on request.

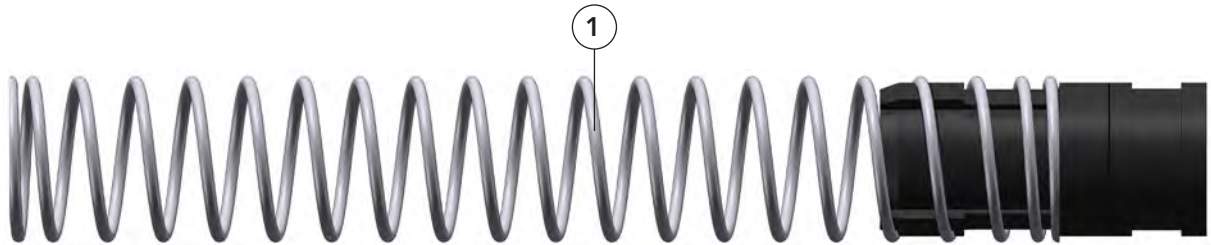




Bend protection

For torch sets with compact plugs

KCME 230 (SA)(N), KCME 330 (SA)(N), KCZME 330 Z (SAZ)(N),
KCMEP 330 (SA)(N), KCZMEP 330 (SAZ)(N)



Application sample:
DIX MQZ 304.neo with DIX GKS 400

Description	Part name	Part number
1 Bend protection	DIX GKS 400	629900070

► Bend protection can be retrofitted to existing torch sets.



Wire adjusting units

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

For robotic and automatic torch sets MIG/MAG, TIG

Properties

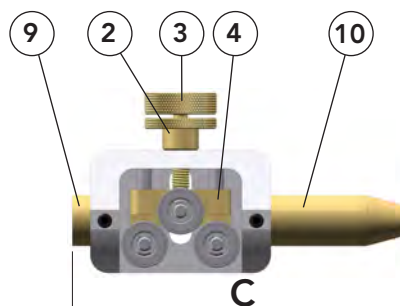
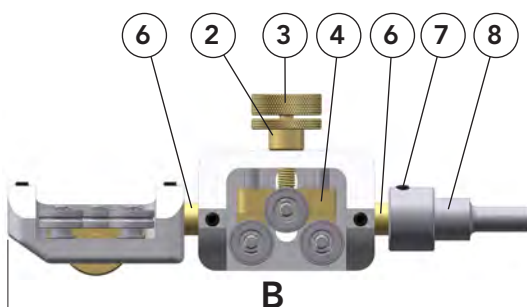
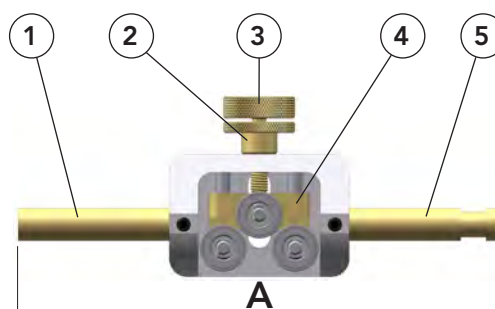
- ▶ Small design
- ▶ Low weight
- ▶ Accurate wire aligning

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 parts 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 MIG/MAG, TIG

Properties

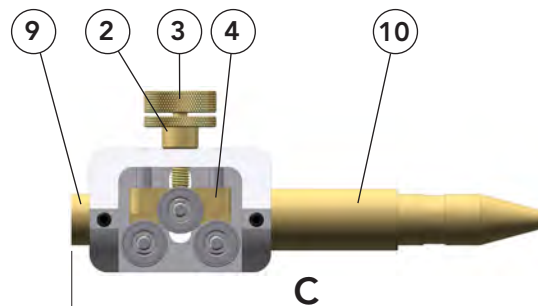
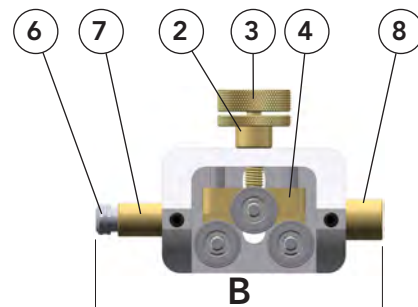
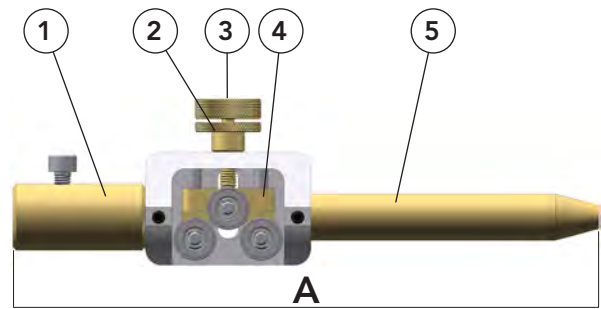
- ▶ Small design
- ▶ Low weight
- ▶ Accurate wire aligning

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

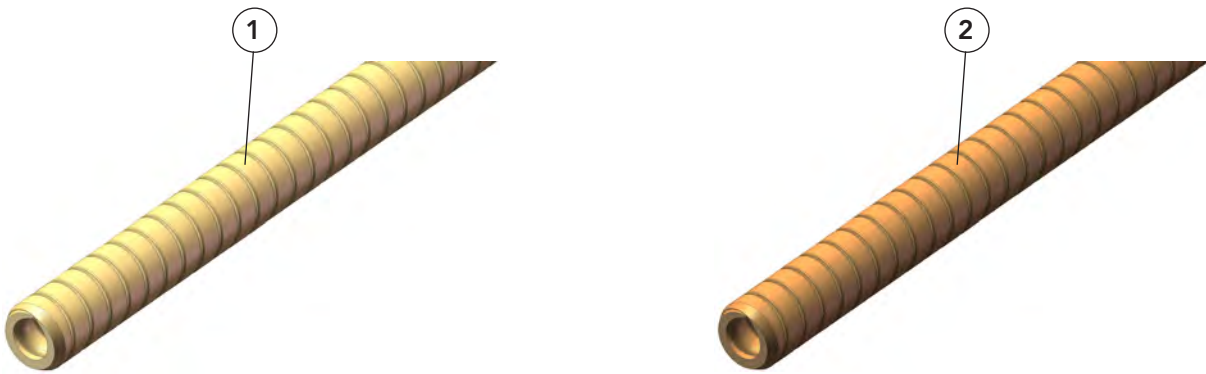
Spare parts and wear parts

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



Liner

For manual torches MIG/MAG



Liner for welding wire of non- and low alloyed steels

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

3

Tools and accessories

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

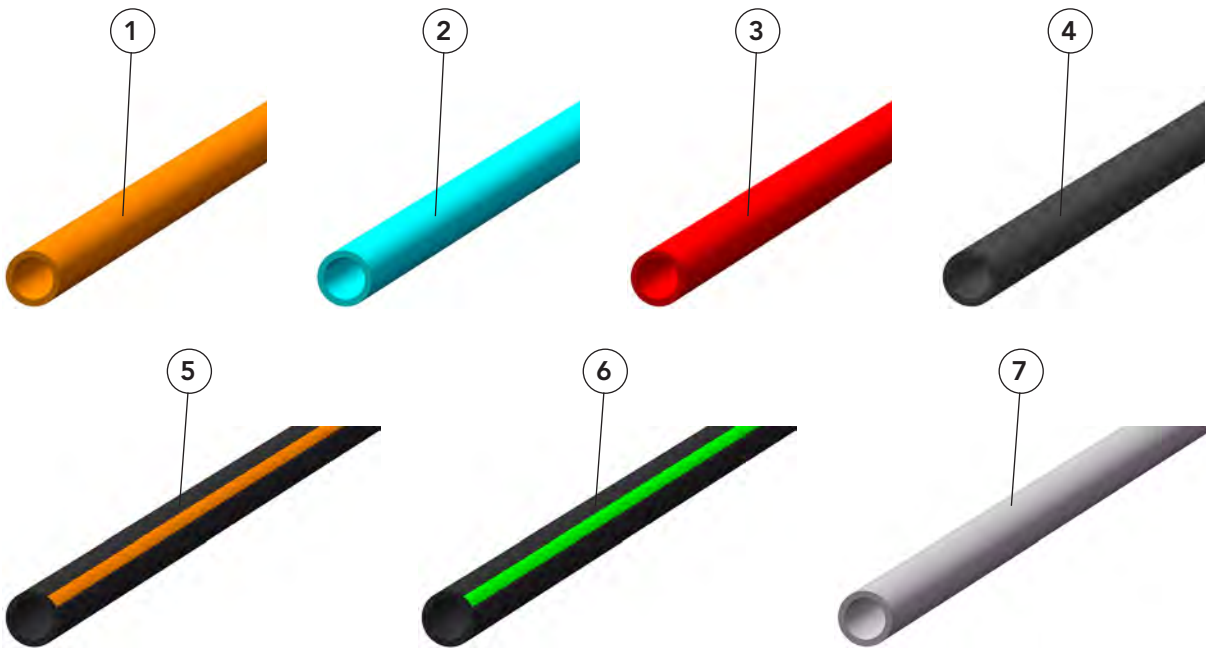
➤ Further pre-cut parts on request.



Capillary liner

For robotic and automatic torches

MIG/MAG, TIG



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

	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	623002002	
	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	
3	Capillary liner	ø 2.95 mm / 0.078 m	DIX DSK 3- 0.078	62300250078	
	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	623002725	
	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



	Description	Dimension	Part name		Part number
1	Distance sleeve For torch neck sizes: 230, 330, 304, 305, 306		DIX	DSH 300	628100001
2	Distance sleeve		DIX	DSH 5900	638100006
3	Distance sleeve For torch heads (LASER): LH 1xx SW/AW/SB, LHZ 100/0xx		DIX	DSH 3/001	638100005
4	Liner For torch neck sizes: 230, 330, 304, 305, 306	ø2.2 mm/0.17 m	DIX	DSH 4-0.17	629300002
5	Liner* Allows an individual length	ø2.2 mm/0.3 m	DIX	DSH 4-0.3*	629300001
	Capillary liner, not shown	ø2.2 mm/0.3 m	DIX	DSK 2-0.3	623002003

Hint:

* **Not** for Torch necks DIX 6-1-230 (WS/WL)



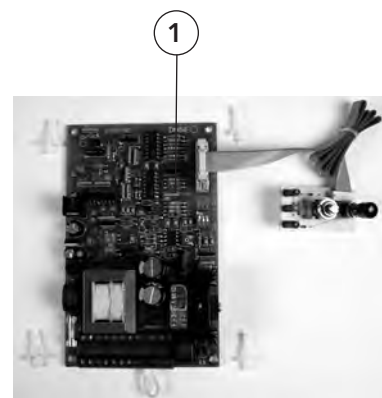
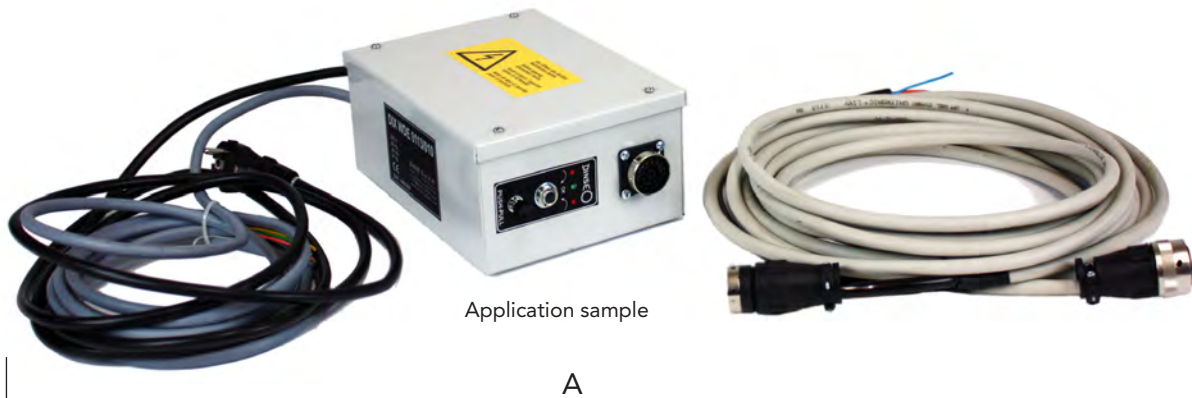


Controls DIX WDE 0113 For PUSH-PULL

Spare parts and wear parts

3

Tools and accessories



Description	Part name	Part number
A Control For PUSH-PULL	DIX WDE 0113(/xxx)	7370600_ _
1 PC-board Also available unmounted.	DIX ESMO 0113	719420113

● The controls of the DIX WDE 0113 series can be individually adapted to your application. Please contact your DINSE specialist advisor, he will coordinate with you how the ideal control system must be equipped for you.



ECO.flow pressure regulator

For manual torch sets

MIG/MAG



Application sample



Application sample



Application sample

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

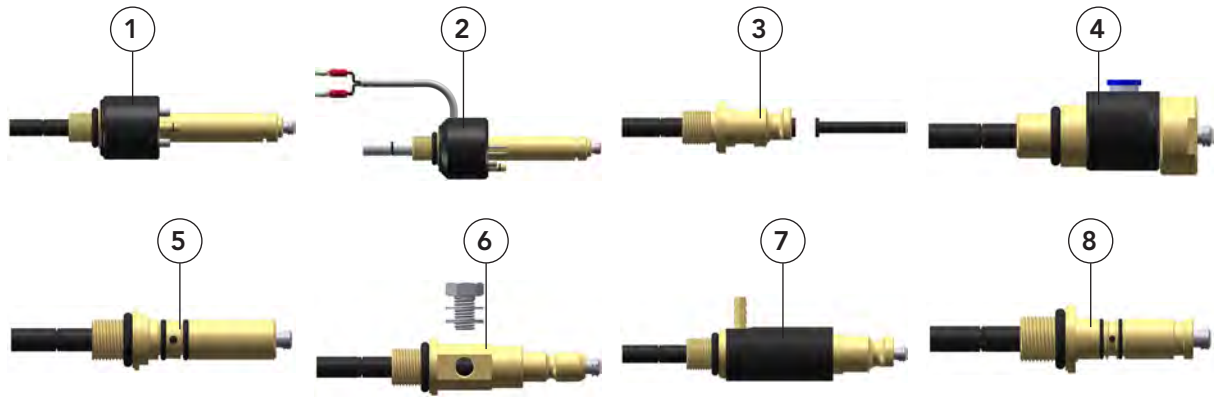




Power pins DIX PP 1xx

For manual
MIG/MAG

Only for plugs with N (neutral) connection.



For information on the compact plugs for power pins, see Chapter 1 MIG/MAG Manual or ask your DINSE consultant.

	Descriptor	Manufacturer	Wire feeder Type	Part name	Part number
1	Power Pin	Fronius	VR 5000 rob/PAP	DIX PP 108	639118009
2	Power Pin	Fronius*	TPSi- and TransSteel series	DIX PP 124	639118033
3	Power Pin	Kemppi	DT 410(L)	DIX PP 114	639118016
4	Power Pin	Lincoln	Auto Drive 4R90, Auto Drive 4R100, Auto Drive 4R220	DIX PP 1092	639118028
5	Power Pin	Miller	Axcess Feeder 60 Series, Axcess Feeder 70 Series	DIX PP 102	639118003
6	Power Pin	OTC	AF-4001, AFA-4001, AFT-4201, AFU-4201	DIX PP 113	639118015
7	Power Pin	Panasonic	Gun Slinger 260 Standard	DIX PP 104	639118005
8	Power Pin	Tweco #4		DIX PP 103	639118004

► Other power pins on request.

*The BUS signal of Fronius is **not** used.



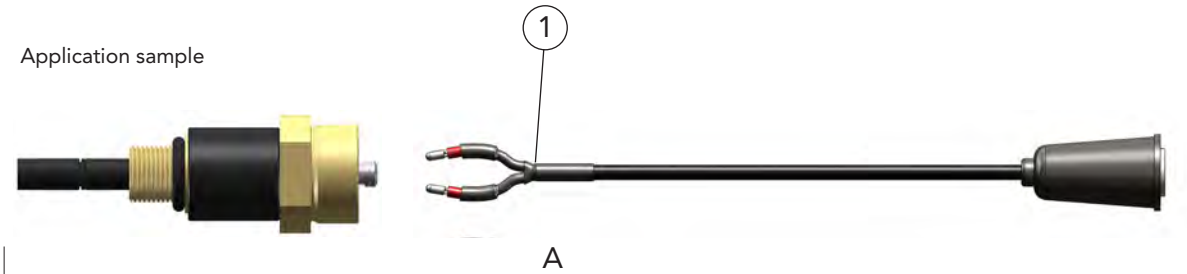
Power pin sets

DIX PPS 1xx

For manual MIG/MAG



Application sample



Information to the plugs for power pin / power pin sets you will find in Chapter MIG/MAG Manual or ask your DINSE consultant.

Description	Part name	Part number
A Power pin set For Lincoln LN7	DIX PPS 101	639120001
Power pin set For Miller 60er Serie, 70er Serie	DIX PPS 102	639120002
Power pin set For Lincoln 4R90, 4R100, 4R220	DIX PPS 103	639120003
1 Power pin cabel For Lincoln	DIX PPC 101	639119001
Power pin cabel For Miller	DIX PPC 102	639119002
Power pin cabel Without plug	DIX PPC 103	639119003

► Other power pin sets on request.



Aluminum consumable set DIX ACS 230/330 MIG/MAG manual

A



Application sample

OFFLINE Consumable sets ACS xxx for aluminum or SCS xxx for steel for retrofitting to the appropriate welding application. Information to the torch sets you will find in Chapter MIG/MAG Manual or ask your DINSE consultant.

Description	Number of items	Dimension	Part name	Part number
A Aluminum consumable set, incl. box for BLACKline torch sets MSZ 230			DIX ACS 230	638000005
Content:				
1 Guide tube	2		DIX AST	638000002
2 Liner	2		DIX DSH 4-0.17	629300002
3 Clamp sleeve without stop for capillary liner	2		DIX 27-2 MAP	629270041
4 Clamp nut with stop for capillary liner	2		DIX 28-2 SA	629280040
5 Gas flow meter for manual torch sets	1		DIX GMM 2	628080000
6 Special spanner	1		DIX SSL 1/2	628010012
7 Capillary liner	1	15.5 m	DIX DSK 2-15.5	6230020155
8 Contact tip	10	M6 x 28 mm	DIX 3-2-1.0	629030010
9 Contact tip	10	M6 x 28 mm	DIX 3-2-1.2	629030012
10 Tip adapter	2	M6	DIX 4-1-L	619040020
A Aluminum consumable set, incl. box for BLACKline torch sets MSZ/MGZ/MCZ 330			DIX ACS 330	638000004
Content:				
11 Guide tube	2		DIX AST	638000002
12 Liner	2		DIX DSH 4-0.17	629300002
13 Clamp sleeve without stop for capillary liner	2		DIX 27-2 MAP	629270041
14 Clamp nut with stop for capillary liner	2		DIX 28-2 SA	629280040
15 Gas flow meter for manual torch sets	1		DIX GMM 2	628080000
16 Special spanner	1		DIX SSL 1/2	628010012
17 Capillary liner	1	15.5 m	DIX DSK 2-15.5	6230020155
18 Contact tip	10	M8 x 28 mm	DIX 3-2-1.2 M8	629030112
19 Contact tip	10	M8 x 28 mm	DIX 3-2-1.4 M8	629030114
20 Tip adapter	2	M8	DIX 4-2-L M8	629040120

▶ Other aluminum consumable sets on request.



Aluminum consumable set DIX ACS 304Z/305Z/306Z MIG/MAG manuell



A



Application sample

● Consumable sets ACS xxx for aluminum or SCS xxx for steel for retrofitting to the appropriate welding application. Information to the torch sets you will find in Chapter MIG/MAG Manual or ask your DINSE consultant.

Description	Number of items	Dimension	Part name	Part number
A Aluminum consumable set, incl. box for BLACKline torch sets MSZ/MCZ 304/305/306			DIX ACS 304Z/305Z/306Z	638000003
Content:				
1 Guide tube	2		DIX AST	638000002
2 Liner	2		DIX DSH 4-0.17	629300002
3 Clamp sleeve without stop for capillary liner	2		DIX 27-2 MAP	629270041
4 Clamp nut with stop for capillary liner	2		DIX 28-2 SA	629280040
5 Gas flow meter for manual torch sets	1		DIX GMM 2	628080000
6 Special spanner	1		DIX SSL 1/2	628010012
7 Capillary liner	1	15.5 m	DIX DSK 2-15.5	6230020155
8 Contact tip	10	M8 x 28 mm	DIX 3-2-1.2 M8	629030112
9 Contact tip	10	M8 x 28 mm	DIX 3-2-1.4 M8	629030114

► Other aluminum consumable sets on request.



Stainless steel consumable set

DIX SCS 230/330

MIG/MAG manual

A



Application sample

OFFLINE Consumable sets ACS xxx for aluminum or SCS xxx for steel for retrofitting to the appropriate welding application. Information to the torch sets you will find in Chapter MIG/MAG Manual or ask your DINSE consultant.

Description	Number of items	Dimension	Part name	Part number
A Steel consumable sets, incl. box for BLACKline torch sets MSZ 230			DIX SCS 230	638000008
Content:				
1 Guide tube	2		DIX AST	638000002
2 Liner	2		DIX DSH 4-0.17	629300002
3 Clamp sleeve without stop for capillary liner	2		DIX 27-2 MAP	629270041
4 Clamp nut with stop for capillary liner	2		DIX 28-2 SA	629280040
5 Gas flow meter for manual torch sets	1		DIX GMM 2	628080000
6 Special spanner	1		DIX SSL 1/2	628010012
7 Capillary liner	1	15.5 m	DIX DSK 2-15.5	6230020155
8 Contact tip	10	M6 x 28 mm	DIX 3-2-1.0 CR-ZR	629033010
9 Contact tip	10	M6 x 28 mm	DIX 3-2-1.2 CR-ZR	629033012
10 Tip adapter	2	M6	DIX 4-1-L	619040020
A Steel consumable set, incl. box for BLACKline torch sets MSZ/MGZ/MCZ 330			DIX SCS 330	638000007
Content:				
11 Guide tube	2		DIX AST	638000002
12 Liner	2		DIX DSH 4-0.17	629300002
13 Clamp sleeve without stop for capillary liner	2		DIX 27-2 MAP	629270041
14 Clamp nut with stop for capillary liner	2		DIX 28-2 SA	629280040
15 Gas flow meter for manual torch sets	1		DIX GMM 2	628080000
16 Special spanner	1		DIX SSL 1/2	628010012
17 Capillary liner	1	15.5 m	DIX DSK 2-15.5	6230020155
18 Contact tip	10	M8 x 28 mm	DIX 3-2-1.2 M8 CR-ZR	629033110
19 Contact tip	10	M8 x 28 mm	DIX 3-2-1.4 M8 CR-ZR	629033112
20 Tip adapter	2	M8	DIX 4-2-L M8	629040120

► Other steel consumable sets on request.



Stainless steel consumable set DIX SCS 304Z/305Z/306Z MIG/MAG Manual



A



Application sample

● Consumable sets ACS xxx for aluminum or SCS xxx for steel for retrofitting to the appropriate welding application. Information to the torch sets you will find in Chapter MIG/MAG Manual or ask your DINSE consultant.

Description	Number of items	Dimension	Part name	Part number
A Steel consumable set, incl. box for BLACKline torch sets MSZ/MCZ 304/305/306			DIX SCS 304Z/305Z/306Z	638000006
Content:				
1 Guide tube	2		DIX AST	638000002
2 Liner	2		DIX DSH 4-0.17	629300002
3 Clamp sleeve without stop for capillary liner	2		DIX 27-2 MAP	629270041
4 Clamp nut with stop for capillary liner	2		DIX 28-2 SA	629280040
5 Gas flow meter for manual torch sets	1		DIX GMM 2	628080000
6 Special spanner	1		DIX SSL 1/2	628010012
7 Capillary liner	1	15.5 m	DIX DSK 2-15.5	6230020155
8 Contact tip	10	M8 x 28 mm	DIX 3-2-1.0 M8 CR-ZR	629033110
9 Contact tip	10	M8 x 28 mm	DIX 3-2-1.2 M8 CR-ZR	629033112

► Other steel consumable sets on request.



Electrode bracket DIX A 300

Technical data (IEC 60 974-11):	
Electrode bracket	A 300
Welding procedures:	Covered electrode welding
Electrode diameter:	ø 2.0 - 6 mm
Welding current:	
duty cycle	300A
- at 60%	400A
- at 35%	
Cable junction: (Nominal cross-section)	25 - 70 mm ² CU
Weight:	425 g



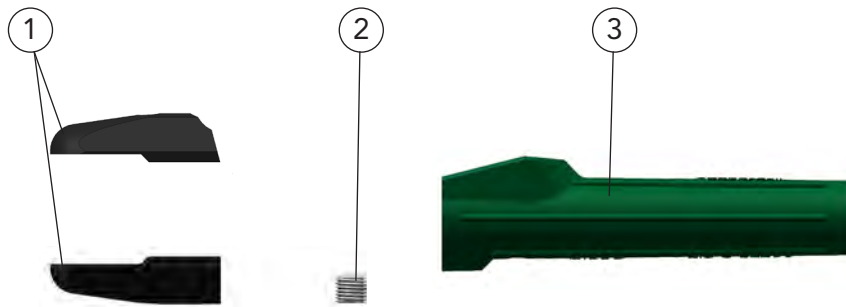
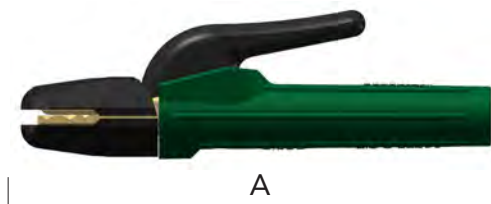
Electrode bracket A 300 (application sample)

Benefits

- ▶ No soldering
- ▶ No cable lug
- ▶ Fast and safe assembly
- ▶ Equipped with DINSE terminal connection
- ▶ Assembly- and repair-friendly

Application

- ▶ For arc welding equipment
- ▶ Electrode support for highest loads during on-going welding work



Description	Part name	Part number
A Electrode bracket	DIX A 300	1110013001

Replacements and spare parts

1	Insulation caps, with attachments	DIX A 300-4 SET	1190413001
2	Screw	DIX A 300-5	1190513001
3	Handhold	DIX A 300-6	1190613001
	Clamping sleeve, without fig.	DIX 50/70	199200070

- ▶ Recommended nominal cross-sections (mm²) of welding cables from CU dependent on welding current and cable length.



Electrode bracket with cable and DINSE plug

Electrode cable DIX EL.M



Technical data (IEC 60 974-11):	
Electrode cable	DIX EL.M 16-4
Electrode cable	DIX EL.M 25-4
With DINSE plug, Electroden cable and Electrode bracket DIX A300 mounted	
Welding procedures:	Covered electrode welding
Electrode diameter:	ø 2.0 - 6.3 mm
Welding current:	
duty cycle	
- at 60%	140A / 190A
- at 35%	150A / 210A
Cable junction:	16 mm ² CU / 25 mm ² CU
(Nominal cross-section)	



A Electrode cable DIX EL.M 16-4

- Benefits**
- Immediately usable
 - Fitting with DINSE plug DIX SKM 25
 - Assembly- and repair-friendly

- Application**
- For arc welding equipment
 - Electrode support for highest loads during on-going welding work



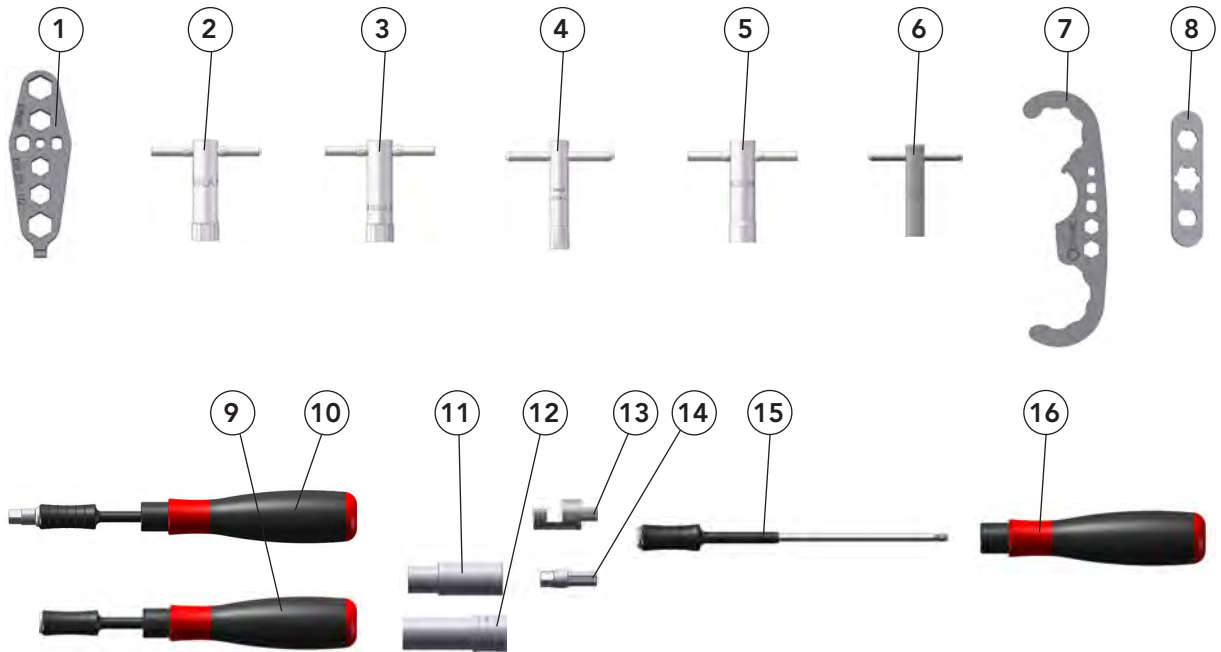
B Electrode cable DIX EL.M 25-4

Description	Nominal cross-sections	Part name	Part number
A Electrode cable For manual power source: DIX GO 1206.M / 1106.M C	16 mm ²	DIX 16-4	7420080000
B Electrode cable For manual power source: DIX GO 1306.M / 1206.M C	25 mm ²	DIX 25-4	7420080001

- Recommended nominal cross-sections (mm²) of welding cables from CU dependent on welding current and cable length.



Service tools For manual torch sets MIG/MAG



Description	Part name	Part number
1 Special spanner, for tighten M6 / M8 contact tips and tip adapters	DIX SSL 1/2	628010012
2 Socket spanner, for tighten contact tips DIX 3-1-xx SR and clamp nut DIX 4-1-MAS	DIX SSLA 1	618010005
3 Socket spanner, for tighten contact tips DIX 3-2-xx SR and clamp nut DIX 4-2-MAS	DIX SSLA 2	628010005
4 Socket spanner, for tighten contact tips DIX 3-2-xx M8	DIX STLA 3 M8	6380101080
5 Socket spanner, for tighten contact tips DIX 3-1-xx SR and center clamp nut DIX CS 300	DIX SCS 300	638010003
6 Socket spanner, for tighten contact tips DIX 3-3-55xx (M9)	DIX STLA 3 M9	6380101081
7 Hook spanner, for tighten torch sets with SA(Z) connection and contact tips	DIX SLAT 4	6380160001
8 Gas diffusor wrench	DIX GVTS 100	628010002
9 Torque wrench 1,1 Nm (without torque bit), for tighten contact tips	DIX DMS 100	638400002
10 Torque wrench 6,0 Nm (without torque bit), for tighten clamp nut at plugged contact tips	DIX DMS 101	638400012
Spare parts and wear parts for Torque wrench Pos. 9+10		
11 Torque bit, for Pos. 10 and plugged contact tips DIX 3-1-x.x SA(SR) in conjunction with Pos. 14	DIX DMB 100-SA1	638400008
12 Torque bit, for Pos. 10 and plugged contact tips DIX 3-2-x.x SA(SR) in conjunction with Pos. 14	DIX DMB 100-SA2	638400015
13 Torque bit, for Pos. 9 and screwed contact tips M6	DIX DMB 100-M6	638400003
Torque bit, for Pos. 9 and screwed contact tips M8	DIX DMB 100-M8	638400005
14 Adapter, for Pos. 15 in conjunction with Pos. 11+12	DIX DMA 101-1/4"	638400011
15 Torque extension, for Pos. 16	DIX DMV 100	638400004
16 Torque transmitter, for tighten contact tips	DIX DMG 100-1.1 Nm	638400001
Torque transmitter, for tighten the clamp nut at plugged contact tips	DIX DMG 100-6.0 Nm	638400010



Service tools

For manual torche sets

MIG/MAG



Tools and accessories

3

Description	Part name	Part number
1 Mounting nipper For knurled nuts	DIX HMV-040	628030001
2 Gas flow meter For manual welding torches	DIX GMM 2	628080000
3 Gas flow meter For robotic and automatic torches	DIX GMA 2	628080005
4 Flow meter For measuring coolant flow of liquid cooling units.	DIX DFZ 2	628091000





Digital Tacho Control

Wire measuring unit

MIG/MAG

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



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PP 108	270	ZA 300 EX	149
PP 113	270		
PP 114	270		
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Power pin sets	271		
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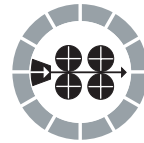
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