



DINSEO

+PlusLine

**MANUAL WELDING
TORCHES**



Premium DINSE torch technology of the 330 and 304 series for manual welding:

First-class performance and cooling

- + same wear parts
- + same expansion and convert options innovative, robust and ergonomic
- + handle design

= **+PlusLine**

**DIX MZ 304.PLUS
DIX M(Z) 330.PLUS**

OPTIMIZED TORCH
TECHNOLOGY AND
INNOVATIVE DESIGN



DINSE PREMIUM QUALITY

The inner workings of the DINSE PlusLine consist of the optimized torch technology of the 330 and 304 series, guaranteeing the proven DINSE top quality and also allowing the same wear parts to be used.

- + EXCELLENT COMPONENT ACCESSIBILITY
- + WEAR PART COMPATIBILITY
- + PARTICULARLY EFFICIENT COOLING
- + POWERFUL THANKS TO HIGH DUTY CYCLE
- + MINIMAL WEAR AND TEAR
- + DURABLE, LOW-MAINTENANCE AND EASY TO REPAIR
- + SEPARATE SHIELDING GAS GUIDE
- + LONG SERVICE LIFE AND MAXIMUM PRODUCTIVITY



MZ 304.PLUS



500 A/60% ED



450 A/60% ED

(DIN EN 60 974 - 7)

WIRE DIAMETER

Ø 0,8 mm

Ø 1,6 mm





M 330.PLUS



MZ 330.PLUS



300 A/60% ED



270 A/60% ED

(DIN EN 60 974 - 7)

WIRE DIAMETER

Ø 0,8 mm

Ø 1,2 mm



400 A/60% ED



320 A/60% ED

(DIN EN 60 974 - 7)

WIRE DIAMETER

Ø 0,8 mm

Ø 1,2 mm

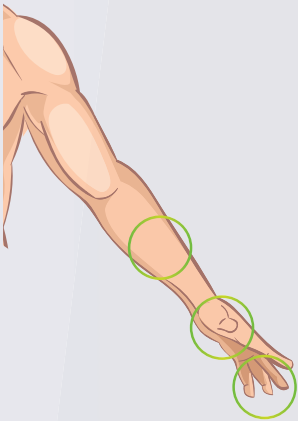


INTEGRATED LED LIGHT IN HOUSING (OPTIONAL)

ERGONOMICS IN TOP FORM

In the development of the new PlusLine handles, the focus was primarily on ergonomics with the aim of minimizing the strain on the forearm, hand and fingers during the welding process.

At the same time, the torch should sit well in the hand in any holding position.



THE LOADS ON FOREARM, HAND AND FINGERS ARE MINIMIZED

EXTRA GRIP
by extra ripples
on the button

GOOD BALANCE
Manual welding torch
does not tilt forward

MODERN DESIGN
WITHOUT
INTERFERING EDGES

DEVELOPED WITH EXPERTS

Together with ergonomics experts, a shape was developed with which the hand is always outstandingly supported.

Based on numerous tests with welders from the field, we have continuously adapted, optimized and further developed the shape - resulting in the innovative PlusLine handle.

The rubberized grip, extra grip on the button, a good balance, the slim shape and a modern, even design without annoying interfering edges characterize the PlusLine handles.

QUALITY WITHOUT COMPROMISE

The new PlusLine housing types make work easier and relieve the welder - for example, in static forced postures, in challenging positions or when welding over a longer period of time.

The PlusLine handles are of course characterized by the usual DINSE quality: Durability, robust material and high resilience.

SLIMMED DOWN HANDLE AREA

can be guided very precisely even with thick leather gloves



OUR BALL JOINT RETHOUGHT

HIGH APPLICATION COMFORT DUE TO ERGONOMIC SHAPE

The torch always lies perfectly in the hand - no matter in which position the torch is held

FOR MAXIMUM FLEXIBILITY

The PlusLine joints, which can move in all directions, consist of several elements and allow excellent handling in all directions and movement and around all axes.


This means that the torch can also be moved into many different positions with little effort.

If necessary, the ball chain of the ball joint can be reordered individually as a spare part - a repair of the ball joint is done in no time.

Thanks to the ball joint in combination with the ergonomically shaped handle shells and the decoupled sheath, stresses are minimized even in almost acrobatic positions.



**EVEN
MORE GRIP**
thanks to
rubberized surface



**DIFFERENT POSITIONS
WITH LITTLE EFFORT**
thanks to ball joint with
integrated kink protection



LIMITATION OF THE RANGE OF MOTION

Protection against overbending of the kink protector

NEW HANDLE COMPATIBLE WEAR PARTS

ECONOMICAL REPAIRS AND EXPANSIONS TO MEET DEMAND

Among the quality criteria that distinguish DINSE is its outstanding economy.

The various components can be replaced individually when worn. This makes the sets low-maintenance and easy to repair.

In addition, our manual welding torches can be adapted to their individual requirements with a wide portfolio of different wear parts.



ALL WEAR PARTS OF THE 304 AND 330 SERIES ARE COMPATIBLE WITH THE PlusLine

CONNECTORS

FOR GAS-COOLED APPLICATIONS

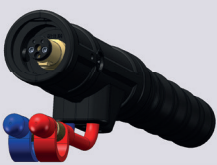


DINSE Connector



Euro Connector

FOR LIQUID-COOLED APPLICATIONS



DINSE Connector



Euro Connector

GAS NOZZLES & GAS DIFFUSER

- ▶ Gas nozzles in different lengths and diameters according to your requirements
- ▶ Robust trapezoid thread for ideal heat transfer
- ▶ Easy replacement of the gas nozzle - even after many welding applications
- ▶ Laminar gas flow without turbulence thanks to elaborated gas diffuser geometry

CONTACT TIPS

- ▶ Perfect fit for optimum current transfer
- ▶ Selected alloying components minimize wear



You will find an overview of all suitable wear parts in our product catalog MANUAL.

INDIVIDUALLY ADAPTABLE



STANDARD

2 BUTTONS

4 BUTTONS

MAIN KEY ON TOP

Configure your torch exactly for your needs. The manual welding handle grips can be adapted to your individual requirements.

For the design of the covering cap you can choose between four different variants.

This allows you to start the welding process on the upper button, regulate the welding current directly on the torch or switch between different welding programs during the process.

All variants of the pushbuttons can be retrofitted.

Each of your welding programs requires a specific torch?
Or you want to be able to track who in the team owns which manual welding set?



CUSTOMIZED BRANDING

Personalize the cap or metal ring of the PlusLine

This is no problem with the individual marking options of the PlusLine: Both the cap on the top and the metal ring on the handle can be customized on request - just contact us.

+PlusLine

TECHNICAL DATA

Performance data DIN EN 60 974-7		
MZ 304.PLUS	500A/60% ED CO2	450A/60% ED Mixed gas
M 330.PLUS	300A/60% ED CO2	270A/60% ED Mixed gas
MZ 330.PLUS	400A/60% ED CO2	320A/60% ED Mixed gas

Article numbers for the individual products can be found in our product catalog MANUAL.



Your DINSE Partner:



DINSE is your dependable partner for the entire welding process. Contact us and schedule an appointment for consultation today. Together with you we will find the best solution for your application.



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