



DINSE

# FRONT DRIVE FOR HOLLOW WRIST ROBOTS

NO WIRE FEED  
HAS EVER BEEN SO  
COMPACT AND CLOSE  
TO THE ARC!



## DIX FD 300

SLIM DESIGN,  
POWERFUL WIRE  
FEEDING TECHNOLOGY  
& SOPHISTICATED  
DETAILS

- ▶ Compact design without interfering contours
- ▶ With integrated DINSE shock sensor and nozzle sensor
- ▶ Powerful 2-roller drive and precise wire guidance
- ▶ Ideal for soft wires
- ▶ Fast, uncomplicated setup and operation
- ▶ Low maintenance and cost saving





# TECHNICAL DATA

Welding method	MIG/MAG welding and brazing
Wire feed speed	0,4 - 25,0 m/min
Wire diameter	0,8 / 1,0 / 1,2 / 1,6 mm (other diameters on request)
Maximum motor current consumption	2,28 A
Maximum supply voltage	24 VDC
Protection class	IP 20
Noise level	< 70 dB(A)
Dimensions (without wires)	(ø x L) 98 mm x 180 mm
Weight (actuator + approx. 20cm trimmings)	approx. 1.82 kg (varies with trim length)
Ambient temperature - during operation	- 10 °C - + 40 °C / 14 °F - 104 °F
Ambient temperature - during transport and storage	- 10 °C - + 55 °C / 14 °F - 131 °F
Drive ratio	16,7: 1
Rated power	45 W
Torsional moment	20.0 Nm
Stall torque	11.5 Nm
Rotatability	260° clockwise - 260° counterclockwise
Safety shutdown: deflection, max	7° degrees
Safety shutdown: Reset accuracy	+/- 0.03 mm
<b>Parameters for liquid-cooled robot and automatic welding sets according to DIN EN 60974-7</b>	
Minimum water flow	1.1 l/min (0.29 gal./min)
Pump pressure (back pressure)	max. 6 bar (87 Psi max.)
Water temperature maximum	55° C (131° F)
Cooling medium	demineralized (deionized) water We recommend our DINSE cooling liquid DIX CM liquid 10



All suitable spare and wear parts can be found in our product catalogue AUTOMATION.

## 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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