

# Rotary bushing

## DDF 3000-65

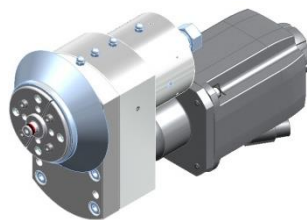
The DDF 3000-65 is a driven rotary bushing. The rotary bushing can be used in stationary and mobile applications and is available in hydraulic, electric or self-propelled versions. The combination of DDF 3000-65 and nozzle arm/nozzle bar results in a high-performance water jet tool, which is an efficient tool for working on large surface areas and for surface cleaning due to its variable rotational speed.

### Special features

- Variable/adjustable rotational speed
- Pressurised components made from stainless steel
- Robust design



9.872-888.0



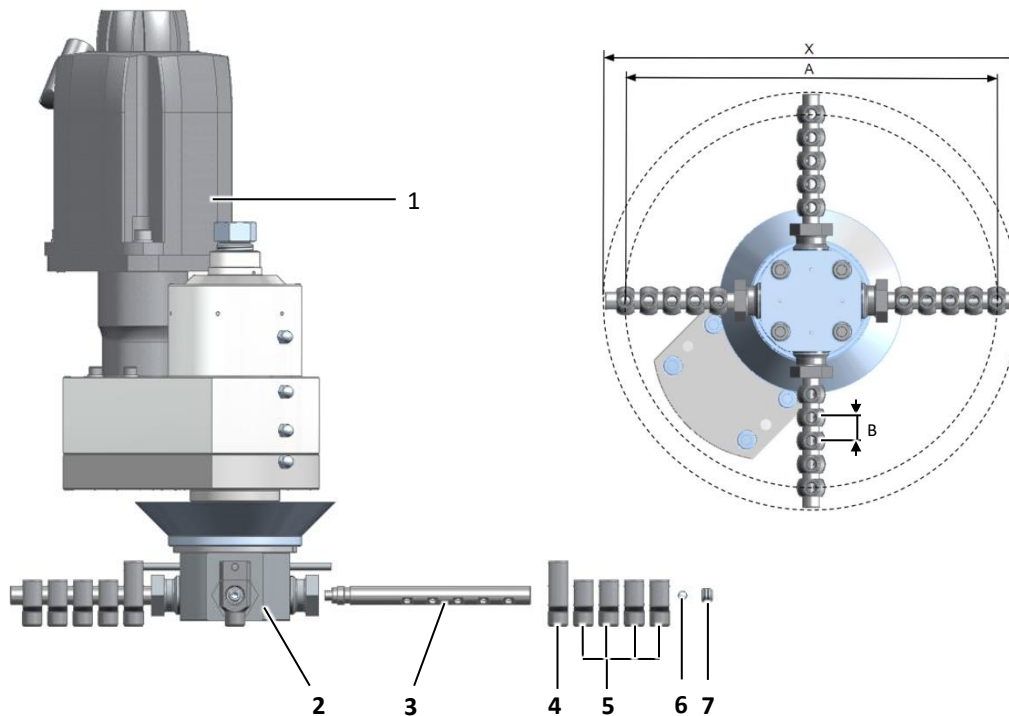
9.917-482.0



9.895-438.0

Technical data				
Type	Hydraulic	Electric	Self-propelled	
Material number	9.872-888.0	9.917-482.0	9.895-438.0	
Medium temperature	max.	60 °C		
Operating pressure	max.	3000 bar		
Flow rate	max.	65 l/min		
Rotational speed	max.	2,340 rpm	2,850 rpm	2,500 rpm
Weight	approx.	20 kg	28 kg	11 kg
Hydraulic motor operating pressure (in continuous operation)	100 bar	–	–	
Hydraulic motor flow rate (in continuous operation)	16 l/min	–	–	
Rated current	–	5.2 A	–	
Drive output	max.	1.8 kW	2.4 kW	–
Angle of rotation	left/right	right	left/right	
Length	approx.	235 mm	286 mm	158 mm
Width	approx.	160 mm	160 mm	160 mm
Height	approx.	280 mm	445 mm	319 mm
Hydraulic connection	G 3/8"	–	–	
Electrical connection	–	Rotatable connector	–	
High-pressure connection	9/16"-18 UNF-LH			

## Standard nozzle arm accessories



Standard nozzle arms					
Item	Material number	Number of nozzles Form 21	Working Ø A [mm]	Nozzle spacing B [mm]	Clearance Ø X [mm]
1	9.872-888.0	DDF 3000-65 Hydraulic			
	9.917-482.0	DDF 3000-65 Electric			
2	9.917-640.0	Connection flange			
3	9.917-971.0	1	160	20	196
	9.917-972.0	2	200	20	236
	9.917-973.0	3	240	20	276
	9.917-974.0	4	280	20	316
	9.917-975.0	5	320	20	356
	9.917-976.0	6	360	20	396
	9.917-644.0	Plug			
4	9.917-968.0	Nozzle holder I (always required for nozzle locking)			
5	9.917-969.0	Nozzle holder II			
6	9.883-217.0	Ball *			
7	9.881-012.0	Grub screw *			

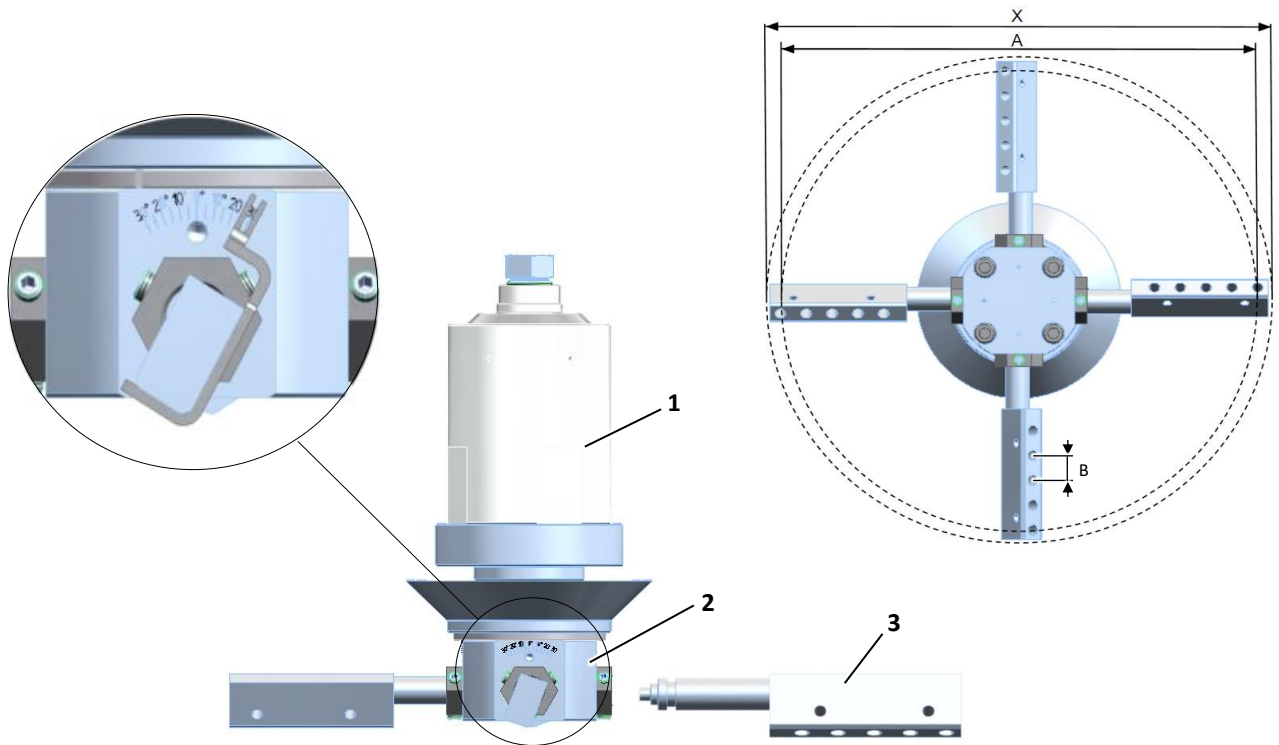
\*Required once per nozzle arm

### Order example

Electrical rotary bushing with 4 nozzle arms and 240 mm working width

1. 9.917-482.0 DDF 3000-65 Electric
2. 9.917-640.0 Connection flange
3. 4 x 9.917-973.0 Nozzle arm 240 mm
4. 4 x 9.917-968.0 Nozzle holder I
5. 8 x 9.917-969.0 Nozzle holder II
6. 4 x 9.883-217.0 Ball
7. 4 x 9.881-012.0 Grub screw

## Extra-robust nozzle arm accessories



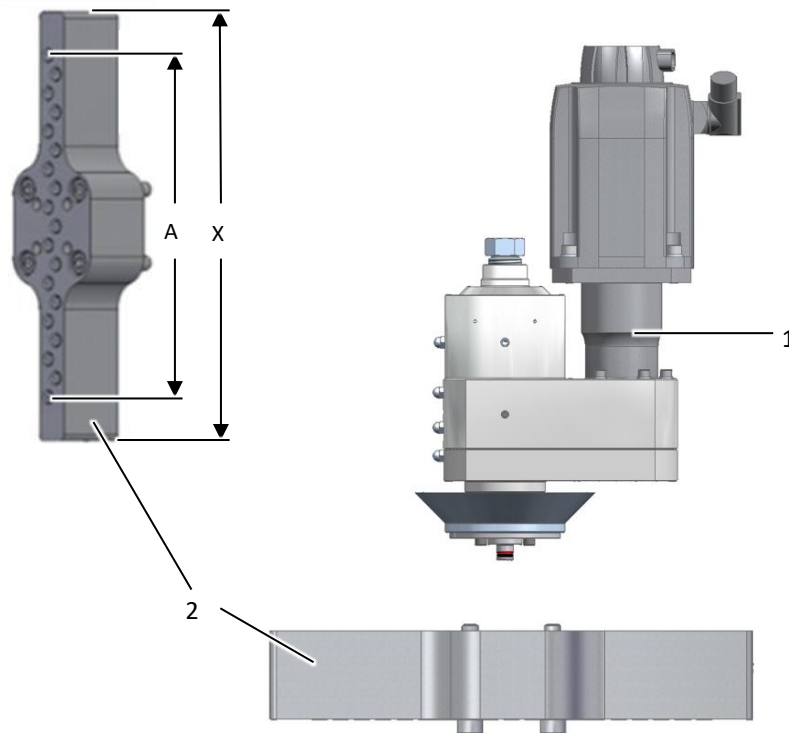
Extra-robust nozzle arms					
Item	Material number	Number of nozzles Form 21	Working Ø A [mm]	Nozzle spacing B [mm]	Clearance Ø X [mm]
1	9.872-888.0	DDF 3000-65 Hydraulic			
	9.917-482.0	DDF 3000-65 Electric			
	9.895-438.0	DDF 3000-65 Self-propelled			
2	9.917-641.0	Connection flange			
3	9.875-958.0	2	194	20	235
	9.875-959.0	2	214	20	235
	9.876-810.0	5	350	20	390
	9.876-811.0	5	370	20	390
	9.878-406.0	Plug			

### Order example

Self-propelled rotary bushing with 4 extra-robust nozzle arms and 350 mm working width

1. 9.895-438.0 DDF 3000-65 Self-propelled
2. 9.917-641.0 Connection flange
3. 4 x 9.876-810.0 Extra-robust nozzle arms

## Nozzle bar/nozzle disc accessories



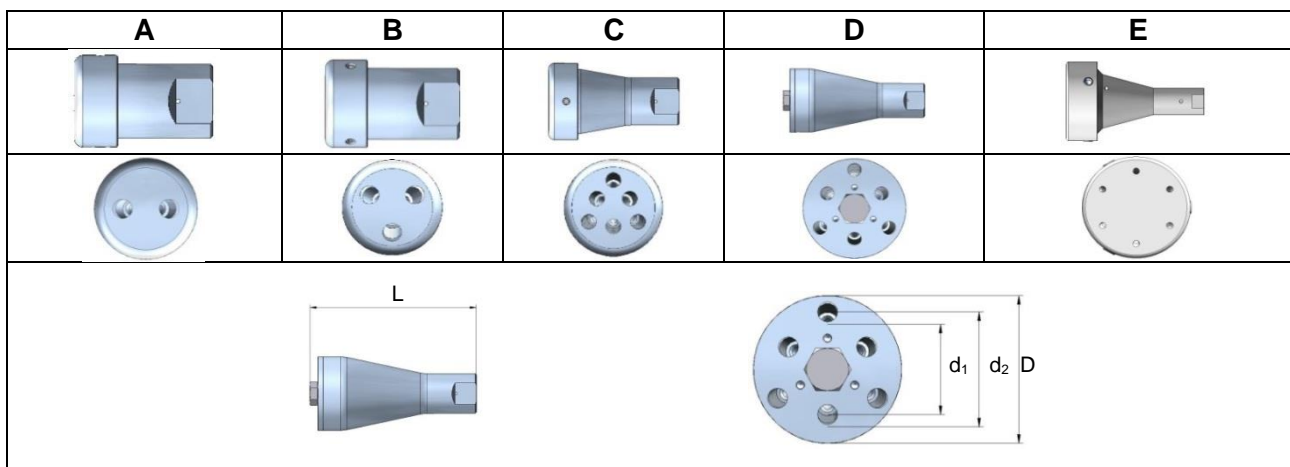
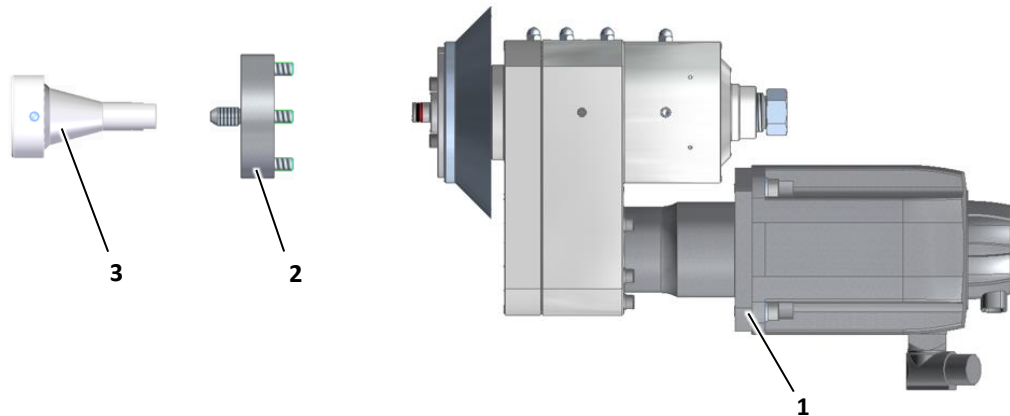
Nozzle bars/nozzle discs				
Item	Material number	Number of nozzles Form 21	Working Ø A [mm]	Clearance Ø X [mm]
1	9.872-888.0	DDF 3000-65 Hydraulic		
	9.917-482.0	DDF 3000-65 Electric		
2	9.916-952.0	19	max. 248	315
	9.920-926.0	12	162	200

### Order example

Electrical rotary bushing with 2 nozzle arms and 248 mm working width

1. 9.917-482.0 DDF 3000-65-Electric
2. 9.916-952.0 Nozzle bar

## Nozzle carrier head accessories



Nozzle carrier heads									
Item	Material number	Shape	Number of nozzles Form 21	Pitch circle d <sub>1</sub> [mm]	Pitch circle d <sub>2</sub> [mm]	Jet angle of the nozzles		L [mm]	D [mm]
						d <sub>1</sub>	d <sub>2</sub>		
1	9.872-888.0	DDF 3000-65 Hydraulic							
	9.917-482.0	DDF 3000-65 Electric							
2	9.920-917.0	Connection flange							
3	9.886-774.0	A	2	17	-	20°	-	64	42
	9.886-775.0	B	3	20	-	30°	-	64	42
	9.886-772.0	C	3 + 3	20	30	20°	24°	89	52
	9.886-773.0	D	3 + 3	35	45	20°	24°	133	59
	9.886-645.0	E	3 + 3	40	42	30°	30°	114	65

## Order example

Electrical rotary bushing with nozzle carrier head

1. 9.917-482.0 DDF 3000-65-Electric
2. 9.920-917.0 Connection flange
3. Nozzle carrier head (see table)