DEUBLIN GmbH Florenz-Allee 1 55129 Mainz

Disassembly and Assembly Instruction

379+479

Sheet 1

Diassembly:

- 1.Step (Picture 1) Remove snapring 1+2 using snapring pliers (a) (Picture 2) Position Disassembly plate (b) between rotor 3 and housing 4 and lay it on the arbor press. Using the Disassembly rod (c) press the rotor 3 out of the housing 4.
- 3.Step (Picture 5) Remove ball bearing 7 using the Disassembly rod (e) and the arbor press as shown in the drawing.
- 4.Step Remove teflon ring 8 and O-ring 9 with a long needle or something equivalent. Take caution not to scratch the bottom of the groove.

Assembly:

- 1.Step (Picture 7) Carefully inspect the rotor diameter for grooves or scratchings. The surface roughness should be around Rz<=1,5. Light scratching could be polished with a fine grade of emery cloth.
- 2.Step (Picture 8) Laying the ball bearing 5 on the Disassembly plate (d) with the seal side up, insert the rotor end into the bearing and apply pressure with the arbor press to force the rotor through the bearing.
 (Picture 9) Assemble snapring 6.
- 3.Step (Picture 10) Assemble lighly greased O-ring 9 into the housing 4. Compress the teflon-ring 8 into a kidney-shape being carefully not to crack the ring. Assemble the teflon-ring onto the O-ring 9 into the groove of the housing.
 - (Picture 11) Center the teflon-ring with a center bolt (e).
- 4.Step (Picture 12) Assemble the ball bearings 7, with the seal side up into the housing, by using the Assembly rod (f). (Picture 13) Reassemble the snapring 1 into its groove.
- 5.Step (Picture 14) Press the rotor 3 through the housing 4. (Picture 15) Reassemble snapring 2 into its groove.
- 6.Step (Picture 16) The UNION is now ready for the air test.

 Trickle a few drops of light motor oil into the "B"-ports and turn the rotor.

Close the rotor with a lid using the 4x0-rings 10 for sealing.

Connect an air fitting into the first "B" port and apply a bubble soap solution to the next channel. Turn the rotor. If no bubble is produced at all channels, the UNION is ready for reinstalation.

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Diassembly and Assembly Instruction

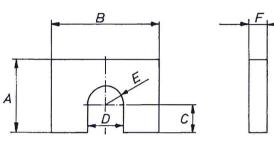
379+479

Sheet 2

 \boldsymbol{a} Snapring pliers

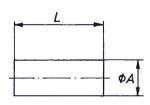
Model |Order - No |Shaft| Order - No | Bore 379 |ZGA-2| ZGJ-3 479 |ZGA-3| | ZGJ-3

b



Disassembly plate

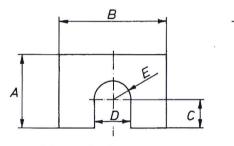
Model	0:	rder	***	No	1	A	1	В	1	C	1	D	1	E	1	F
379																
479	1	479-	-		1:	120	11	150		40	1	52	1	26	1	10



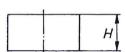
Disassembly rod

Order - No	0	Α		L
379-	1	28		50
479-	1	38	1	50

d



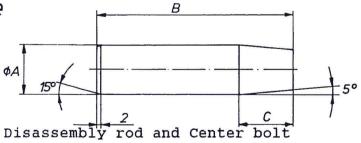
f



Disassembly plate

Model	0	rder	-	No		A		В		C	1	D	1	E	1	F
379	1	379-	-		1:	140	1:	160	14	15	1	70	1	35	1	10
479	i	479-	-		1:	120	11	150	4	10		52	1	26		10

e



Model	1	Order -No	1	Α		В	1	C
379	1	379-	13	37.8	1	170	1	30
479	1	479-	14	17.8	1	200	1	50

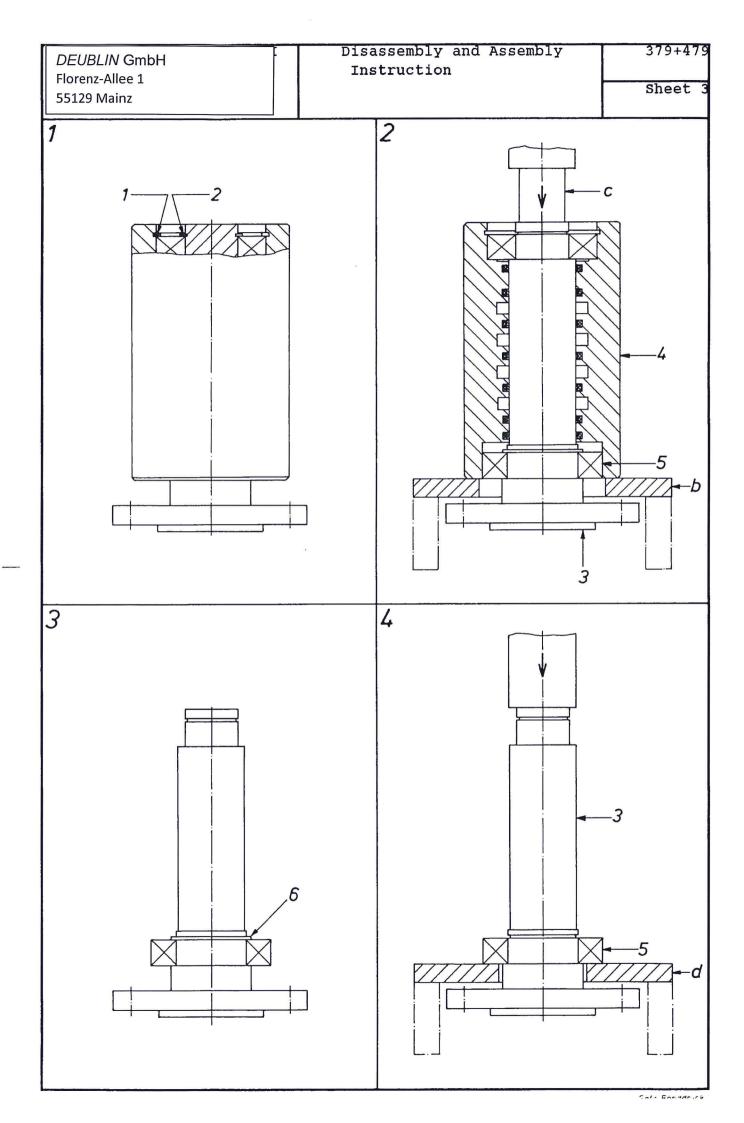
Assembly rod

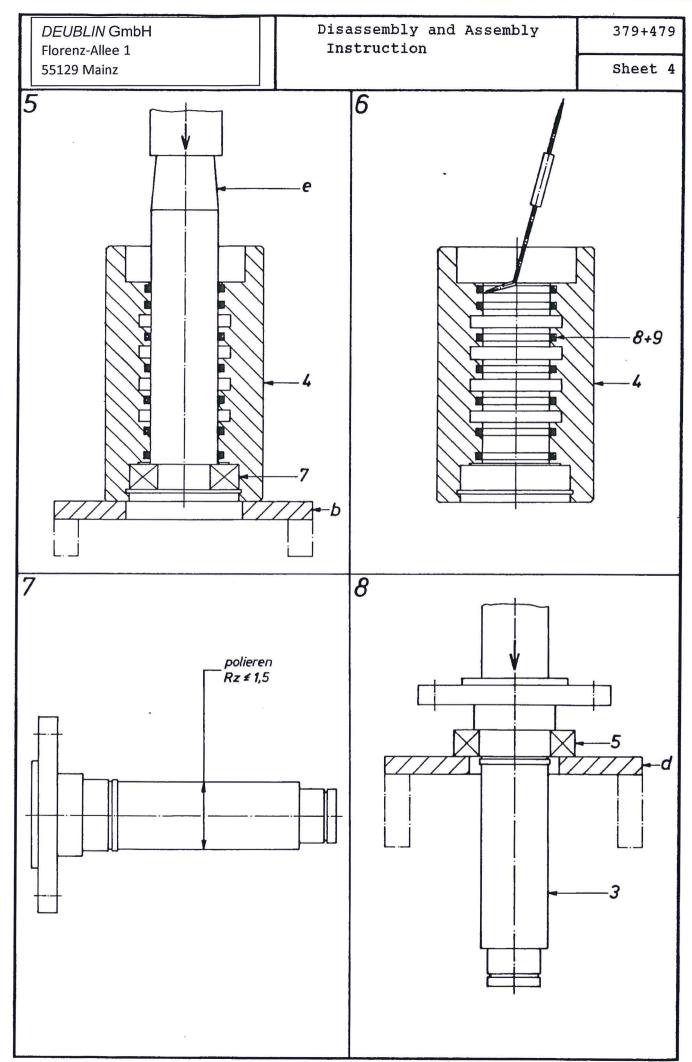
Order -	No	1	Α	1	H
379-		1	28	1	50
479-		1	38	I	50

Other tools:

Grease; Oil; Emery cloth (fine grade)

Needle ; Air fitting equivalent to the "B"-Connection ;





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