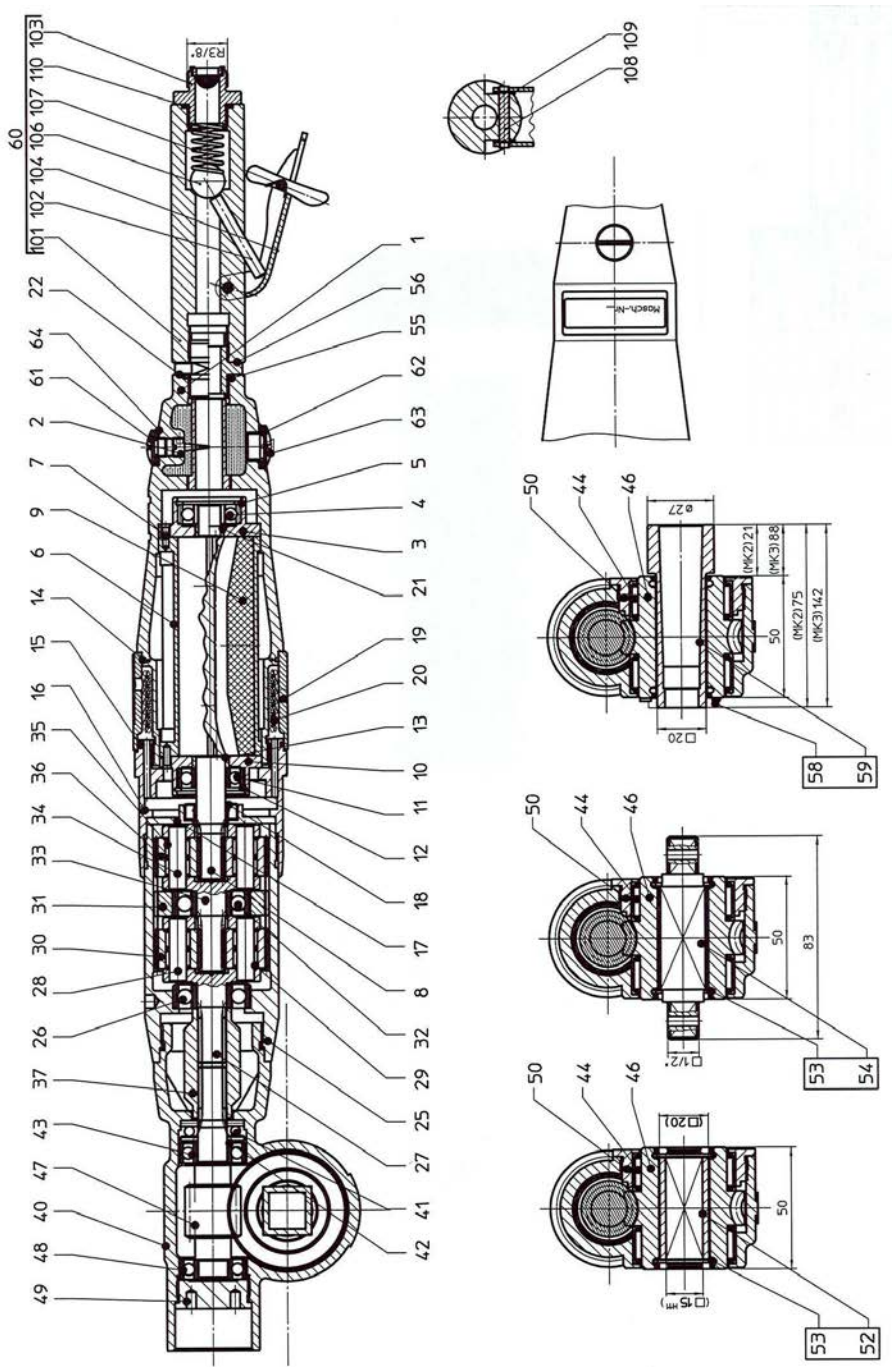
Spare Parts List

Description:	Part and drawing number:
Pneumatic Driving Machine	**6 1015 0010**

Item	Qty.	Description	Part and drawing no.		Remarks
	1	Motor	3 6339 1000		item 1-19, 61-64
	1	Gearbox	3 6339 4000		item 25-37
	1	Output unit, assy.	3 6339 7000		item 40-50
	1	Lever throttle	9 2002 0120		Item 101-109 (60)
22	1	Compensating ring	9 3326 1380		
	1	Compensating ring	9 3326 1390		
	1	Compensating ring	9 3326 1400		

Spare Parts List

Description:	Part and drawing number:
Pneumatic Driving Machine	**6 1015 0010**



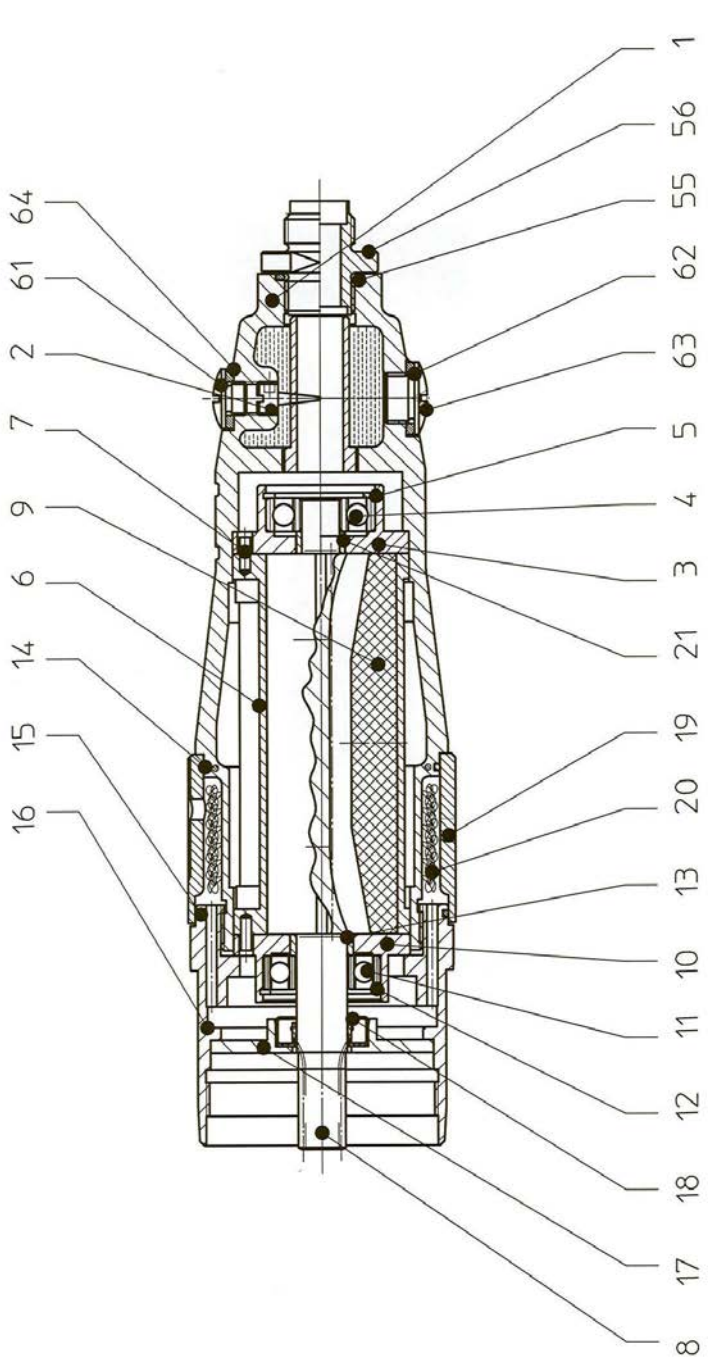
Spare Parts List

Description:	Part and drawing number:
Pneumatic Motor	**3 6339 1000**

Item	Qty	Description	Part and drawing no.		Remarks
1	1	Motor housing, assy.	3 6339 1910		
2	1	Adjusting screw	9 1151 9010		
3	1	End plate	3 6341 1110	*	
4	1	Grooved ball bearing	9 1001 0090		
5	1	Snap ring	9 1703 0050		
6	1	Cylinder bushing	1 1430 1020	*	
7	1	Spiral pin	9 1642 0080	*	
8	1	Rotor	3 6349 1030		
9	4	Vane	1 1430 1050		
10	1	End plate	5 1202 1100		
11	1	Grooved ball bearing	9 1003 0020		
12	1	Snap ring	9 1703 0070		
13	1	Spacer ring	5 1202 1080		
14	1	O-ring	9 1901 2070	*	
15	1	O-ring	9 1901 2430	*	
16	1	Gearbox connection	3 6339 1190		
17	1	Intermediate plate	3 6339 4140		
18	1	Shaft seal	9 1905 0030	*	
19	1	Exhaust ring	3 6339 1180		
20	1	Silencer mat	3 6339 1770		
21	1	Spacer ring	3 6341 1080		
55	1	O-ring	9 1901 3270	*	
56	1	Nipple	9 2205 0035		
61	1	Locking screw	9 1150 9070		
62	1	Sealing ring	9 1903 0340	*	
63	1	Locking screw	9 1150 9030		
64	1	Sealing ring	9 1903 0260	*	
		*Wear parts, to be stored in case of			
		continuous use.			

Spare Parts List

Description:	Part and drawing number:
Pneumatic Motor	**3 6339 1000**



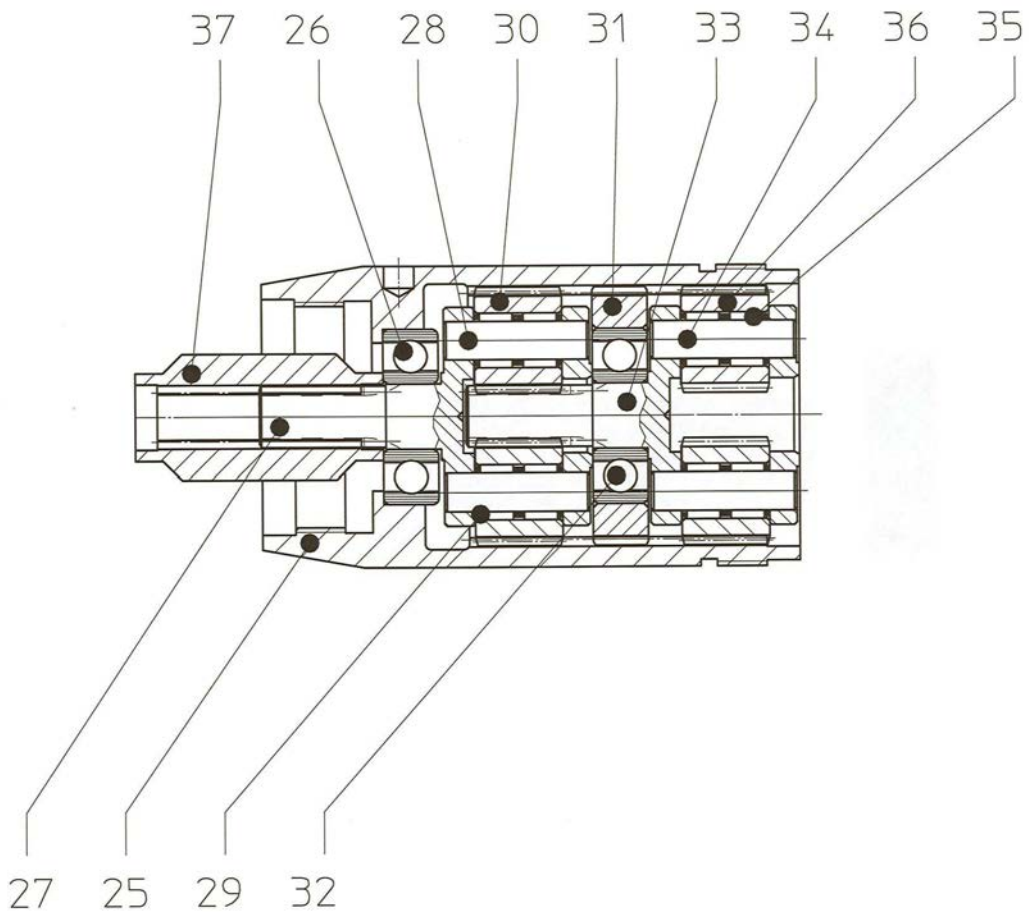
Spare Parts List

Description:	Part and drawing number:
Gearbox	**3 6339 4000**

Item	Qty.	Description	Part and drawing no.		Remarks
25	1	Gearbox housing I	3 6339 4020		
26	1	Grooved ball bearing	9 1004 0020		
27	1	Planet wheel carrier	3 6339 4030		
28	2	Planet wheel bolt	3 6339 4050		
29	4	Needle cage	9 1015 0390	*	
30	2	Planet wheel	3 6339 4040	*	
31	1	Bearing disc	3 6339 4060		
32	1	Grooved ball bearing	9 1004 0020		
33	1	Planet wheel carrier	3 6339 4030		
34	2	Planet wheel bolt	3 6339 4050		
35	4	Needle cage	9 1015 0390	*	
36	2	Planet wheel	3 6339 4040	*	
37	1	Coupling	3 6339 4110		
		*Wear parts to be stored in case of			
		continuous use.			

Spare Parts List

Description:	Part and drawing number:
Gearbox	**3 6339 4000**



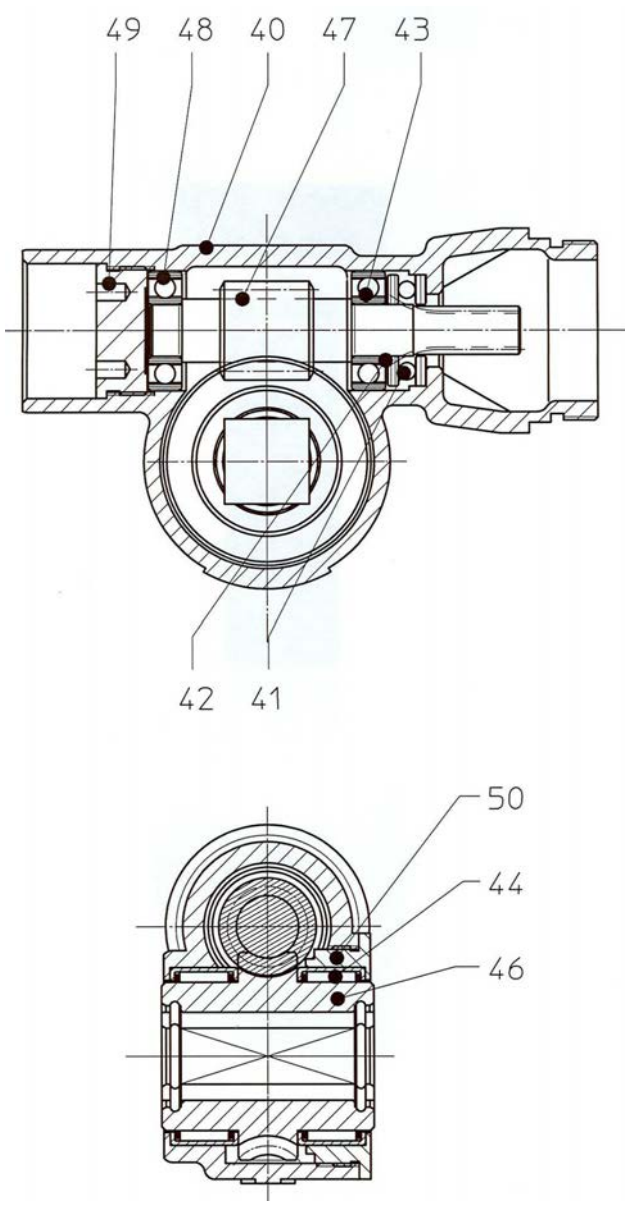
Spare Parts List

Description:	Part and drawing number:
Output Unit, Assy.	**3 6339 7000**

Item	Qty.	Description	Part and drawing no.		Remarks
40	1	Gearbox housing II	3 6339 4220		
41	1	Axial grooved ball bearing	9 1021 0020		
42	1	Feather key	9 3326 1220		
43	1	Grooved ball bearing	9 1003 0020		
44	2	Needle sleeve	9 1014 0200	*	
46	1	Worm wheel	3 6339 4130		
47	1	Worm wheel	3 6339 4120		
48	1	Grooved ball bearing	9 1003 0020		
49	1	Locking ring	3 6339 4190		
50	1	Bearing cover	3 6339 4160		
		* Wear part, to be stored in case of			
		continuous use.			

Spare Parts List

Description:	Part and drawing number:
Output Unit, Assy.	**3 6339 7000**



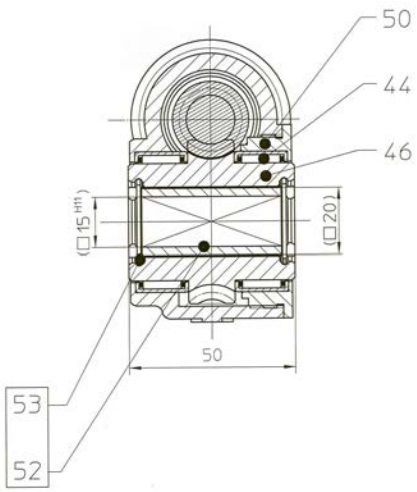
Spare Parts List

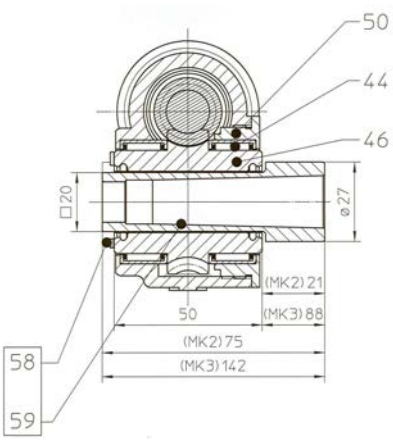
Description:	Part and drawing number:
On special request: Accessories for output available, e.g. for inner square, outer square or morse taper	**for 6 1015 0010**

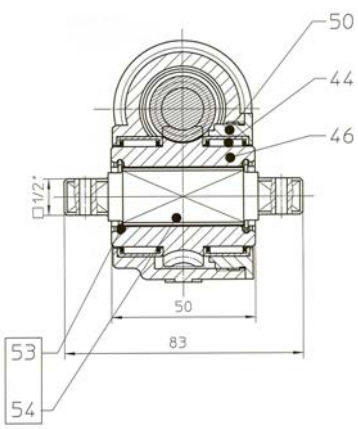
Item	Qty.	Description	Part and drawing no.		Remarks
	1	Reducing sleeve, assy. 15 / 20	6 1015 7910		item 52 + 53
52	1	Sleeve, square	3 6339 4150		
53	2	Circlip	9 1705 0120		
		or			
	1	Reducing sleeve, assy. 12 / 20	6 1017 4910		item 52 + 53
52	1	Sleeve, square	6 1017 4250		
53	2	Circlip	9 1705 0120		
	1	Output square 12,7 (½“) kpl.	3 6339 4910		item 53 + 54
53	2	Circlip	9 1705 0120		
54	1	Output square ½“	6 1015 7020		
		or			
	1	Output square 19 (3/4“) kpl.	6 1015 7030		item 53 + 54
53	2	Circlip	9 1702 0320		
54	1	Output square ½“	6 1015 7039		
	1	Output square, assy. MK2 Assy. *	6 1015 7920		item 58 + 59
58	1	Circlip	9 1702 0240		
59	1	Output sleeve MK2	5 1015 7050		
		or			
	1	Output square, assy. MK3 Assy. *	6 1015 7930		item 58 + 59
58	1	Circlip	9 1702 0240		
59	1	Output sleeve MK3	5 1015 7050		
	*	ATTENTION! Axial forces cannot be transmitted.			
		Additional accessories for output on request			

Spare Parts List

Description:	Part and drawing number:
On special request: Accessories for output available, e.g. for inner square, outer square or morse taper	**for 6 1015 0010**







Spare Parts List

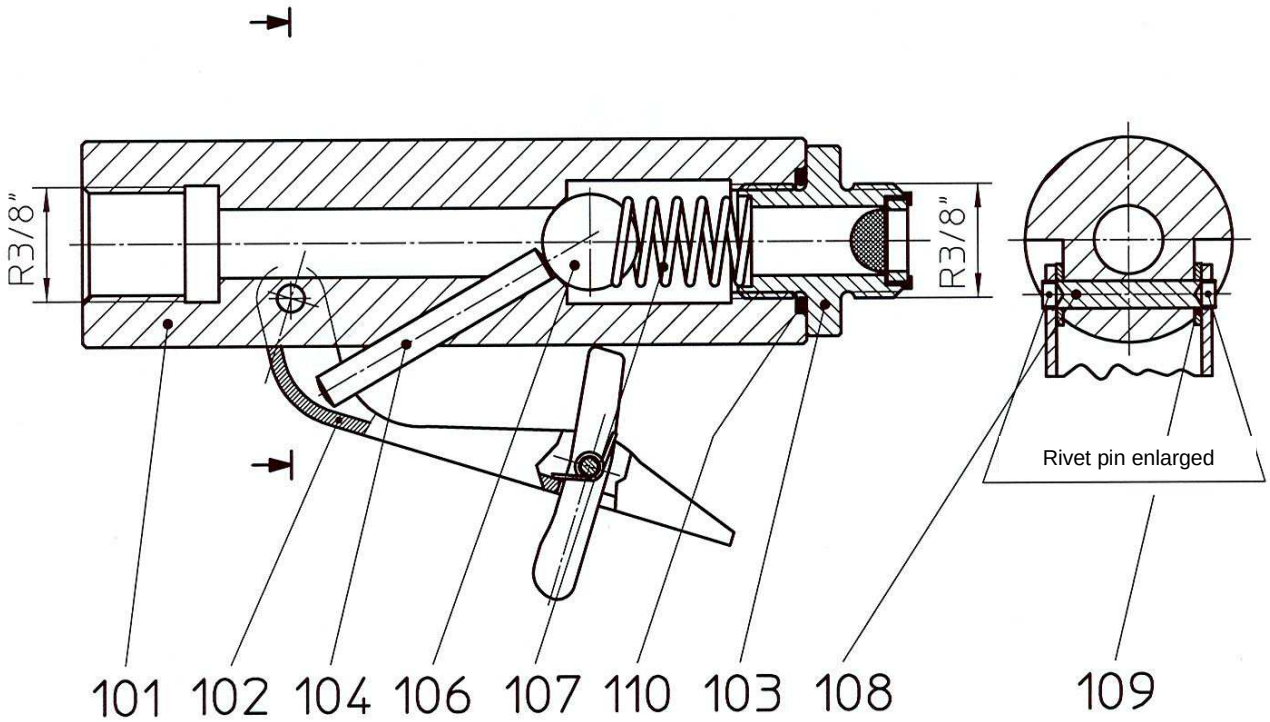
Description: **Lever valve with safety catch**

Part and drawing number: **9 2002 0120**

Item	Qty.	Description	Part and drawing no.		Remarks
101	1	Valve housing	2 1402 3010		
102	1	Valve pin	9 1637 2120		
103	1	Nipple, assy. with screen	9 2205 0030		
104	1	Valve catch, assy.	1 5060 3930		
106	1	Plastic ball	9 1018 0150	*	
107	1	Pressure spring	9 1803 0240		
108	1	Rivet pin	9 1611 0030		
109	2	Washer	9 3302 0150		
110	1	O-ring	9 1901 3090	*	
		*Wear parts, to be stored in case of			
		continuous use.			

Spare Parts List

Description:	Part and drawing number:
Lever valve with safety catch	**9 2002 0120**



MAINTENANCE OF PNEUMATIC TOOLS

Only proper maintenance can ensure constant performance, reduction in wear and thus, a decrease in operating costs and an increase in service life.

Our pneumatic tools are equipped for an operating pressure of 6 bar. A regulator setting for an operating pressure of 4 bar is possible as well as expedient for grinding machines with a built-in regulator, so as to take full advantage of the speed prescribed for the corresponding grinding wheels.

Pneumatic tools should not run empty, because this results in heat and higher wear. The compressed air should be clean and dry. This is guaranteed by a proper pneumatic system. Blow through the pneumatic hose before connecting it. For the economical use of pneumatic tools, the prescribed air quantities are necessary, i.e., the line, armatures and hoses must have the required cross sections so that the flow pressure remains constant. Proper lubrication is a must; for this reason, our pneumatic tools usually have built-in oilers, which are located between the inlet valve and the motor, and which function in any position. In smaller and lighter hand tools, these oilers must often be left out, because the machines would then be too heavy and not easy to manage. In such cases, lubrication must be carried out by service units or by manual hose oilers. We recommend service units for permanently installed workplaces (see accessories list). However, where longer hose lines are necessary, line oilers built into the hose lines are more effective. The distance between the tool and oiler should not be more than 5 m.

Most of pneumatic tools have located at the connection a lined-up screen, which is to be regularly checked and cleaned.

After ending a working task, the machines are to be flushed with a thin oil, or protected some other way against corrosion.

Visible grease nipples are provided for regular lubrication of the gears with a grease gun. Note the following for grease lubrication: Every 60 hours of operation check striking mechanismus, friction bearings and antifriction bearings; if necessary, grease them. Every 300 hours of operation grease the gears and antifriction bearings anew. In the case of impact wrenches, use a grease gun to grease the anvil guide before beginning daily work or every 6 to 8 hours. All inner parts must be lubricated before storing for longer periods of time in order to prevent rusting. It is recommend to check the vanes and bearings at regular intervals. Store pneumatic tools in dry rooms only.

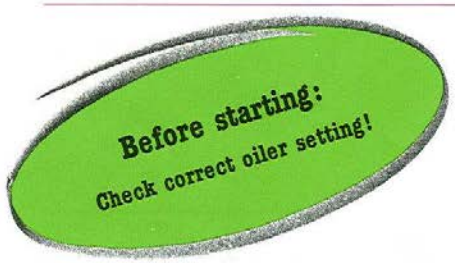
Lubricating oils to be used:
Generally SAE 5 W to SAE 10

For gearless impact wrenches and small grinders, only SAE 5 W

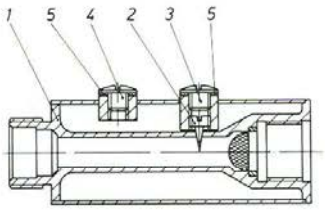
For damp compressed air, oils are to be used that take up water (without losing the lubricating effect) and that contain anticorrosive additives. At lower temperatures (especially for work outside) it may be necessary to use an antifreeze lubricant (e.g., Kilfrost, BP Energol AX 10, Kompranol N 74).

For saw-chain lubrication on chain saws:
Machine oil **with adhesive additive,** viscosity c ST 49-55' (6,5-7,5 E) / 50° C

Greases (free of resins and acids)	Multi-purpose greases for antifriction and friction bearings and gears	Special greases for high-speed miter gears
Designation in accordance with DIN 51502	KL 2 K	G 00 h
Consistency class (DIN 51818)	2	00
Saponification type	lithium	sodium
Dripping point	185° C	145° C
Worked penetration	265 to 295	400 to 410
Temperature range	−25° C to 125° C	−25° C to + 100° C



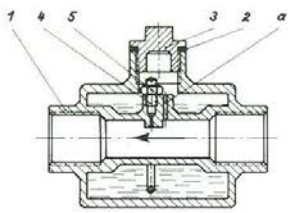
OILER TYPES
USED ON OR WITH OUR TOOLS



Oiler to mount on the machine or connect in the hose line

Setting the oiler: The adjustment screw (Item 2) is visible after removing the screw plug (Item 3). The oil supply is decreased by tightening the screw, and by loosening the screw, more oil gets into the machine. In most cases it is sufficient to tighten or loosen the screw by 1/4 or 1/2 of a turn. When plugged, clean borehole (dia. 2 mm) with wire.

Correct setting: When under pressure and with the filler screw (Item 4) open, the oil must bubble slightly. The filling lasts for approx. 8 operating hours.

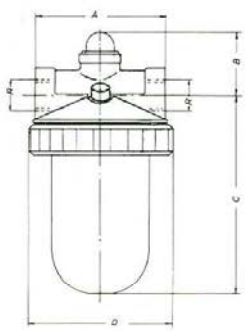


Line oiler

For stationary pneumatic machines and motors, the lubrication is carried out by lined-up oilers for horizontal or vertical installation.

Setting of oilers: Shut off air supply. Open plug (Item 3). Loosen visible lock nut (Item 5) with a socket wrench. Using a screw driver turn back the tightened screw plug (Item 4) by 1/4 to 1/2 of a turn and then lock again. No oil is to get into the borehole "a" when filling. Close plug (Item 3) and open the air supply.

Correct setting: A piece of paper held for a short time in front of the outlet must be coated with oil without drops forming.



Transparent oiler

For installing in permanently equipped workplaces.

(especially for type using service units — see accessories list)

The transparent supply containers allow for good checking as well as for good setting possibility by means of a screw driver via a set screw with visible dripping. (The set screw is above the lateral thread connection — turning to the right for less oil; turning to the left for more oil). The setting (2 to 5 drops per m³/min air consumption) is to be carried out when air is flowing through, i.e., when the machine is running.

22 Harbor Avenue, Norwalk, CT 06850
Tel: 203-853-9522 • Toll-free: 800-700-5919 Fax: 203-853-9921
Email: info@csunitec.com
www.csunitec.com