



Z30⁴⁰₅₀ × 12₁₆ (I)(II) RADIAL DRILLING MACHINE

SPARE PARTS LIST

MAXIMUM DRILLING DIAMETER: 40 mm
50

Serial No:

**SHENYANG MACHINE TOOL CO.,LTD.
CHINA CZECHOSLOVAKIA BORING AND DRILLING
MACHINES WORKS
THE PEOPLE'S REPUBLIC OF CHINA**

This List serves the users as a reference for ordering spare parts required. In order to make a right supply, please state the names of the parts parts numbers, manufacturing works and model of the

machine, date and serial number of ex - works according to this List when ordering parts.

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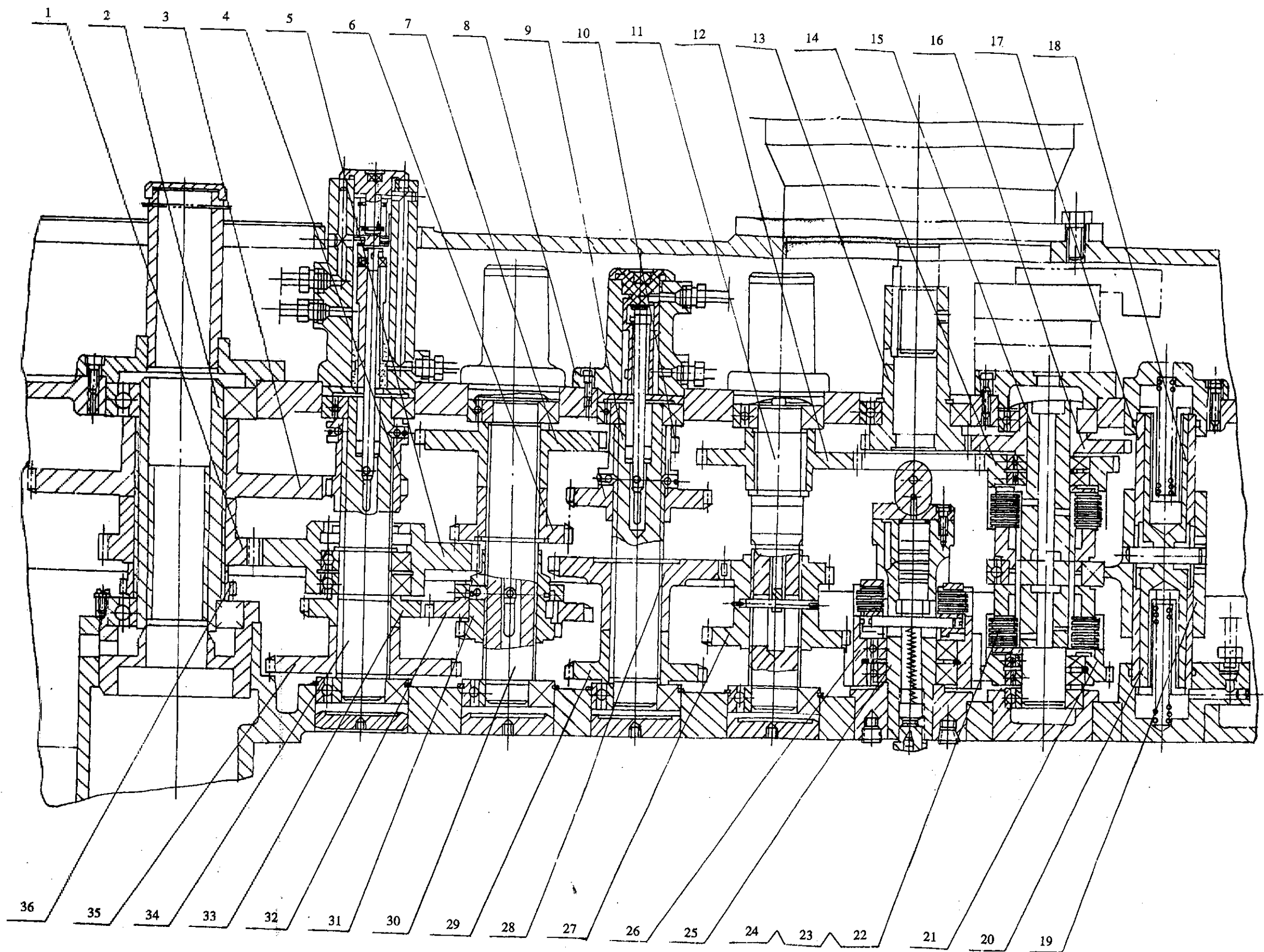
SerialNo.	Part No. or Specification Type No.	Name of Parts	Pcs. Per set	Remarks
1	41330AS	Gear	1	
2	41021	Spline sleeve	1	
3	41331	Gear	1	
4	41333	Gear	1	
5	41327AS	Gear	1	
6	41340	Gear	1	
7	41341	Gear	1	
8	35;SZSQ84 - 1	Stopper ring	4	
9	41318	Shaft IV	1	
10	41319	Double cluster gear	1	
11	41315	Shaft III	1	
12	41344	Gear	1	41344GB for 60Hz
13	41345	Gear	1	41345GB for 60Hz
14	41347	Gear	1	41347GB for 60Hz
15	41304	Shaft II	1	
16	41348	Gear	1	41348GB for 60Hz
17	41302	Shifting fork bearing sleeve	1	
18	41301	Valve core	1	
19	41032	Shifting fork	1	
20	41303	Valve core	1	
21	41307	Gear	1	
22	80 SZSC31 - 1	Outer friction disc	13 (14)	Z3050 × $\frac{12}{16}$ (I) (II) () is used for Z3050 × $\frac{12}{16}$ (I) (II)
23	70 SZSC31 - 2	Inner friction disc	28 (29)	
24	80 SZSC31 - 3	Outer friction disc	12	
25	41309	Shaft I	1	
26	41311	Gear	1	
27	41313	Double cluster gear	1	
28	41316	Gear	1	
29	41317	Gear	1	
30	41323	Shaft V	1	
31	41321S	Gear	1	
32	41320	Gear	1	
33	41325	Gear	1	

34	41326	Shaft VI	1	
35	41324S	Gear	1	
36	41329	Gear	1	
37	42308	Shaft	1	
38	42304	Gear	1	
39	42303	Gear	1	
40	42301	Gear	1	
41	42321	Gear	1	
42	42302	Gear	1	
43	42322	Gear	1	
44	42325	Gear	1	
45	42323	Shaft	1	
46	42320	Gear	1	
47	25 SZSQ84 - 1	Stopper ring	4	
48	42315	Gear	1	
49	42316	Shaft	1	
50	42313	Shaft	1	
51	42314	Gear	1	
52	42311	Shaft	1	
53	42309	Gear	1	
54	42305	Gear	1	
55	42306	Gear	1	
56	43314	(Upper) clutch	1	
57	43317	Shaft	1	
58	43311	(Lower) clutch	1	
59	43308	Worm shaft	1	
60	43325	Gear	1	
61	43326	Gear	1	
62	43332	Horizontal shaft	1	
63	43020	Worm wheel	1	

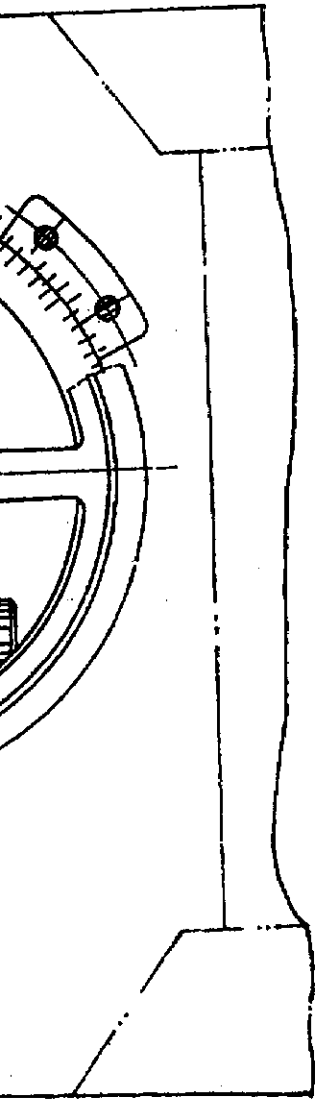
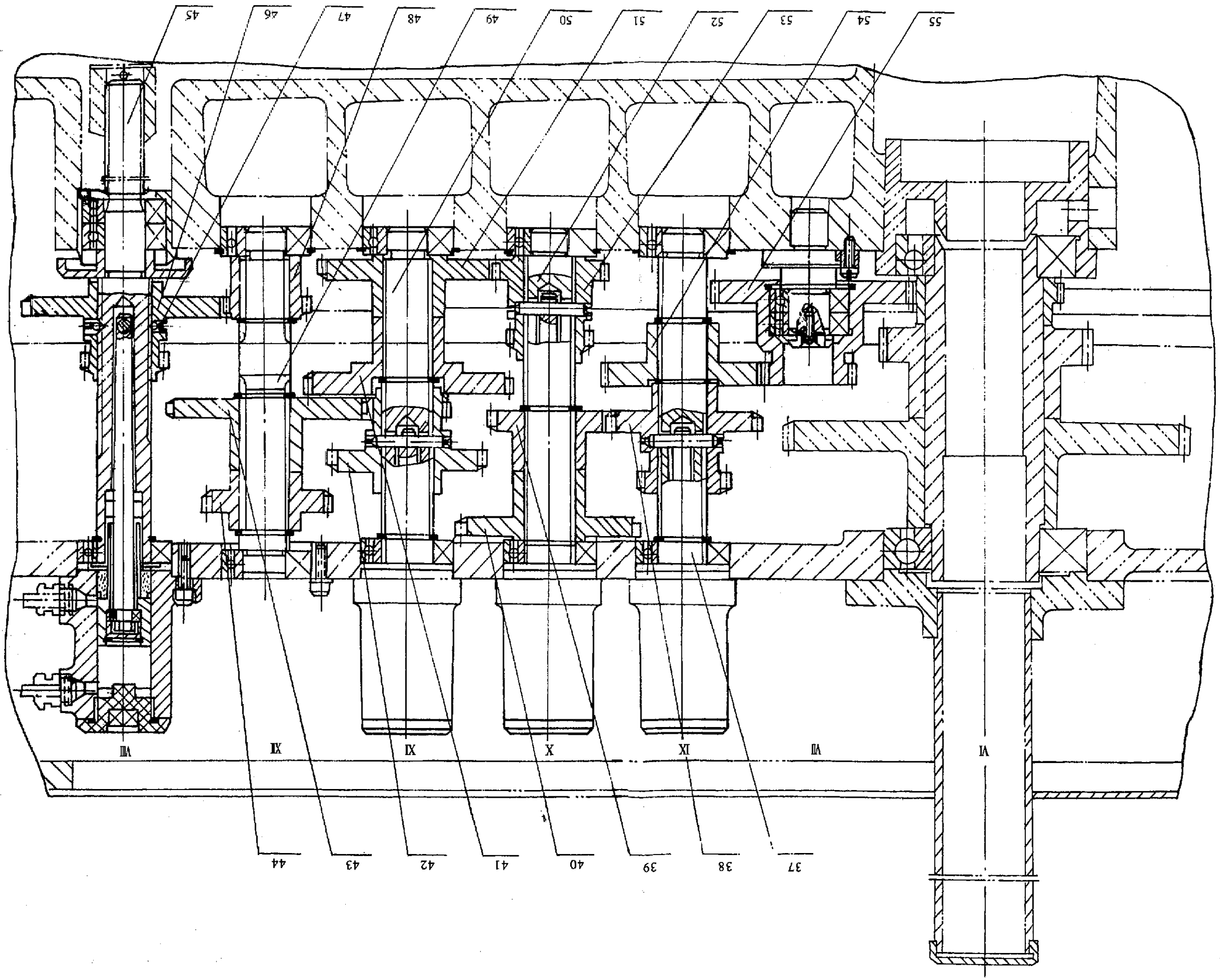
64	43338	Clutch	1	
65	43339	Teeth clutch	1	
66	44017	Upper part of pump body		"44" pump is to be supplied in complete set.
	44018	Pump body	1	
	44019	Lower part of pump body	1	
	44310	Sleeve	2	
	44311	Driven gear	1	
	44312	Drive gear	1	
	44314	Valve core	1	
	44315	Screw plug	1	
	44801	Shaft sleeve	3	
	44802	Shaft sleeve	1	
	M6 × 35 J21 - 9	Screw	2	
	8 × 45 J44 - 1	Cylindrical pin	2	
	M14 × 1.5 G38 - 4	Hexagonal socket head oil plug	1	
	14 SZSG52 - 3	Scaling washer	1	
	6 Q56 - 1	Plug	1	
	2 × 12 × 60 Q81 - 1	Spring	1	
67	48 SZSQ32 - 1	Rhombic block	1 set	
68	120 SZSQ32 - 1	Rhombic block	1 set	
69	47315	Gear	1	
70	47023	Shaft sleeve	1	Safety clutches for elevators are to be supplied in complete set
	47307	Small clutch	1	
	47309	Gear clutch	1	
	47314	Gear	1	
	47324	Washer	1	
	6 × 6 × 20 J31 - 1	Flat key	1	
	4 × 35 J41 - 1	Round taper pin	1	
	4 J51 - 1	Finishing	20	
	1.6 × 10 × 35 Q81 - 1	Pressure spring	10	
	7/16" GB308 - 77	Steel ball	10	

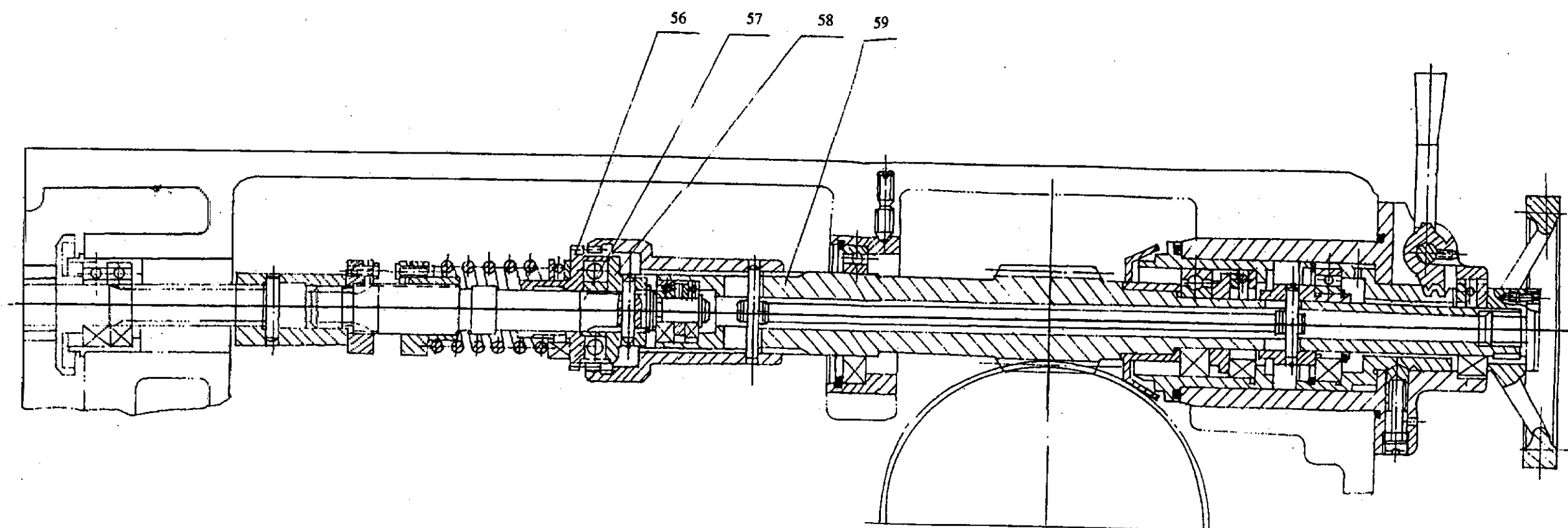
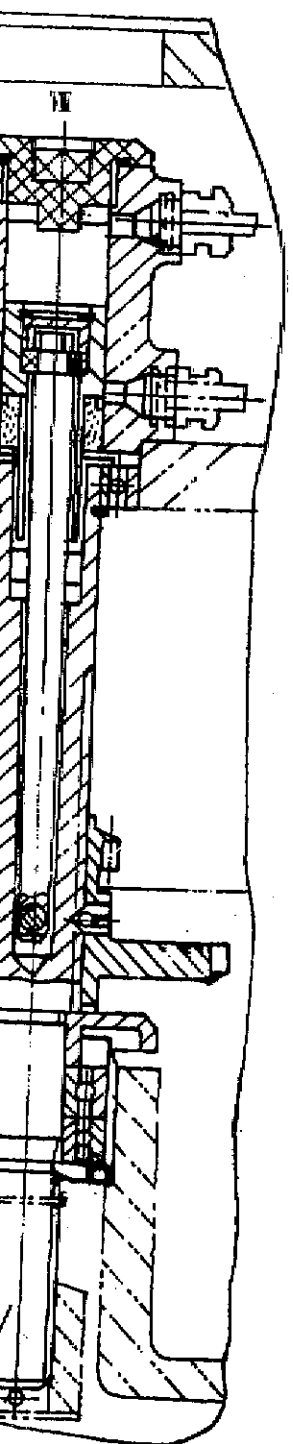
71	47388A	Gear	1	
72	47317	Lead screw	1	
73	48013	Safety nut	1	
74	48311	Elevating nut	1	
75	48301 48320A	Rack	3	48320A used Z30 ⁴⁰ ₅₀ × 12 (I) (II)
76	120 SZSQ32 - 1	Rhombic block	1 set	
77	45018	Cover plate for oil pump	1	The "45" pump is to be supplied in complete set
	45019	Ditto	1	
	45020	Ditto	1	
	45021	Ditto	1	
	45327	Drive gear	1	
	45328	Driven gear	1	
	45314	Sleeve	1	
	45317	Centering sleeve	1	
	45904	Seal ring	1	
	8 J54 - 1	Spring washer	2	
	8 × 40 J44 - 1	Cylindrical pin	2	
	35 × 3.1 J51 - 2	O-ring	1	
	M8 × 45 J21 - 2	Screw	2	
	1.5 × 20 × 12 941/15	Needle bearing	2	
79	46309	Spring	1	
80	46316	Cam	1	
81	46011	Guiding sleeve	1	The spindle component is to be supplied in completset
	46302	Washer	2	
	46304	Quill	1	
	46305	Cover	1	
	46306	Guard washer	1	
	46307	Locking nut	2	Used for (40)(I) and 50(I)
	40 × 68 × 15 D108	Single - row radial ball bearing	3	
	40 × 16 × 13 D8108	Single - row thrust ball bearing	2	
	46301	Spindle	1	Used for 40 (I)

81	56301	Spindle	1	Used for 50 (I)
	46301B	Spindle	1	Used for 40 (II)
				Used for 40 (II) and 50 (II)
	56304B	Quill	1	
	60 × 85 × 17 D8112	Single - row thrust ball bearing	1	
82	56301B	Spindle	1	Used for 50 (II)
	7 × 1.9 G51 - 2	O-ring	1	
	9 × 1.9 G51 - 2	O-ring	46	
	11 × 1.9 G51 - 2	O-ring	14	
	13 × 1.9 G51 - 2	O-ring	5	
	20 × 2.4 G51 - 2	O-ring	4	
	25 × 2.4 G51 - 2	O-ring	2	
	30 × 3.1 G51 - 2	O-ring	2	
	35 × 3.1 G51 - 2	O-ring	9	
	35 × 3.5 G51 - 2	O-ring	1	
	45 × 3.1 G51 - 2	O-ring	2	
	55 × 3.1 G51 - 2	O-ring	1	
	60 × 5.7 G51 - 2	O-ring	1	
	65 × 3.1 G51 - 2	O-ring	1	
	75 × 3.1 G51 - 2	O-ring	1	
	80 × 5.7 G51 - 2	O-ring	1	
	85 × 3.1 G51 - 2	O-ring	1	
	95 × 3.1 G51 - 2	O-ring	4	
	140 × 5.7 G51 - 2	O-ring	1	
	210 × 5.7 G51 - 2	O-ring	1	



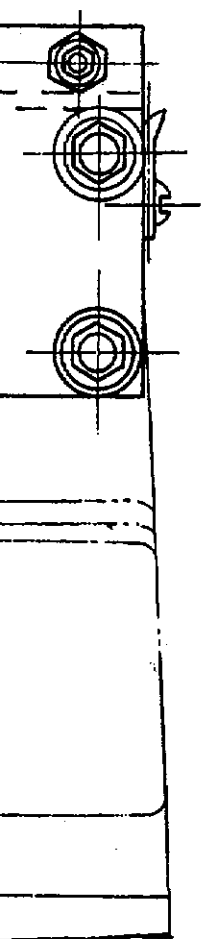
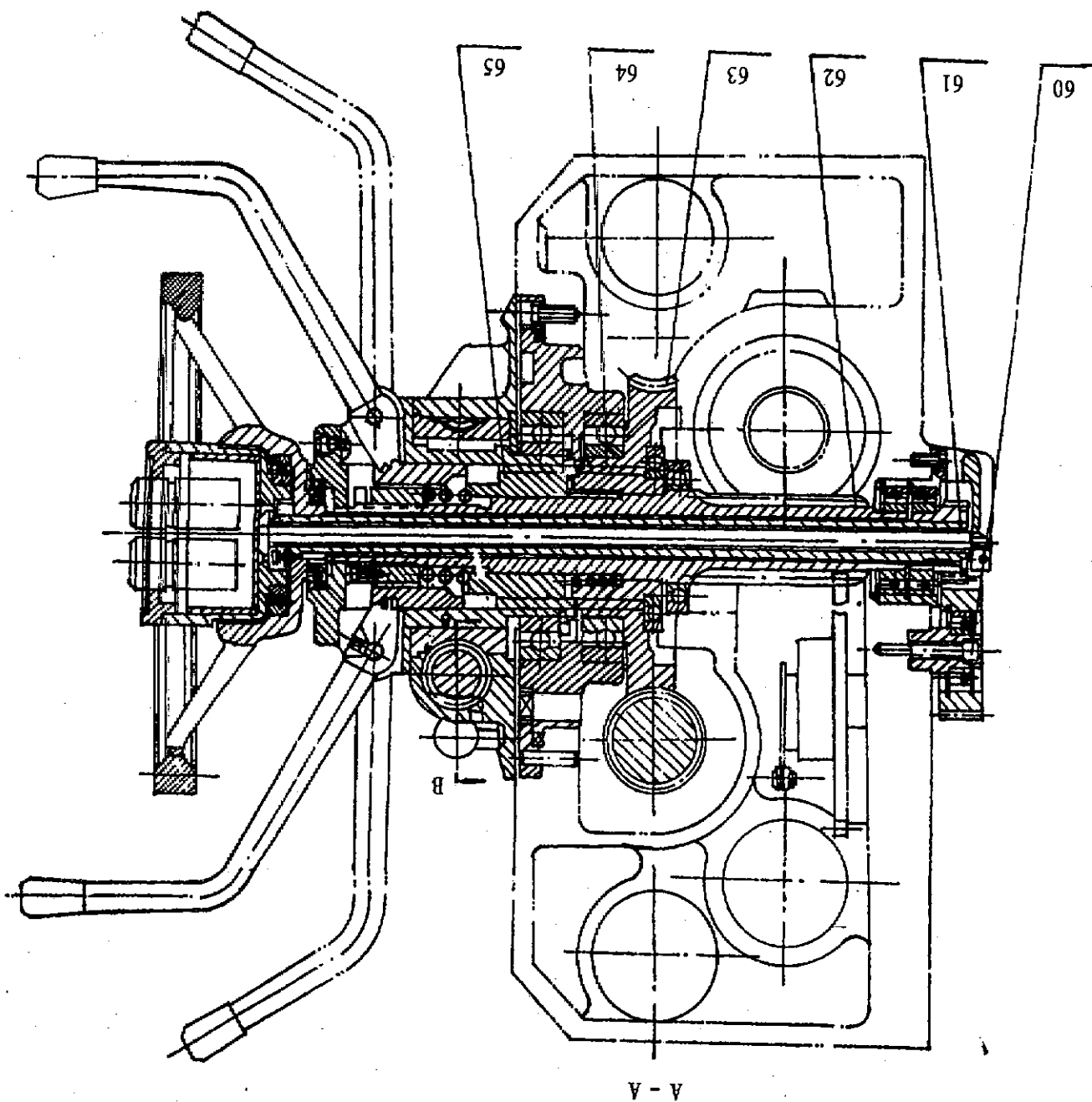
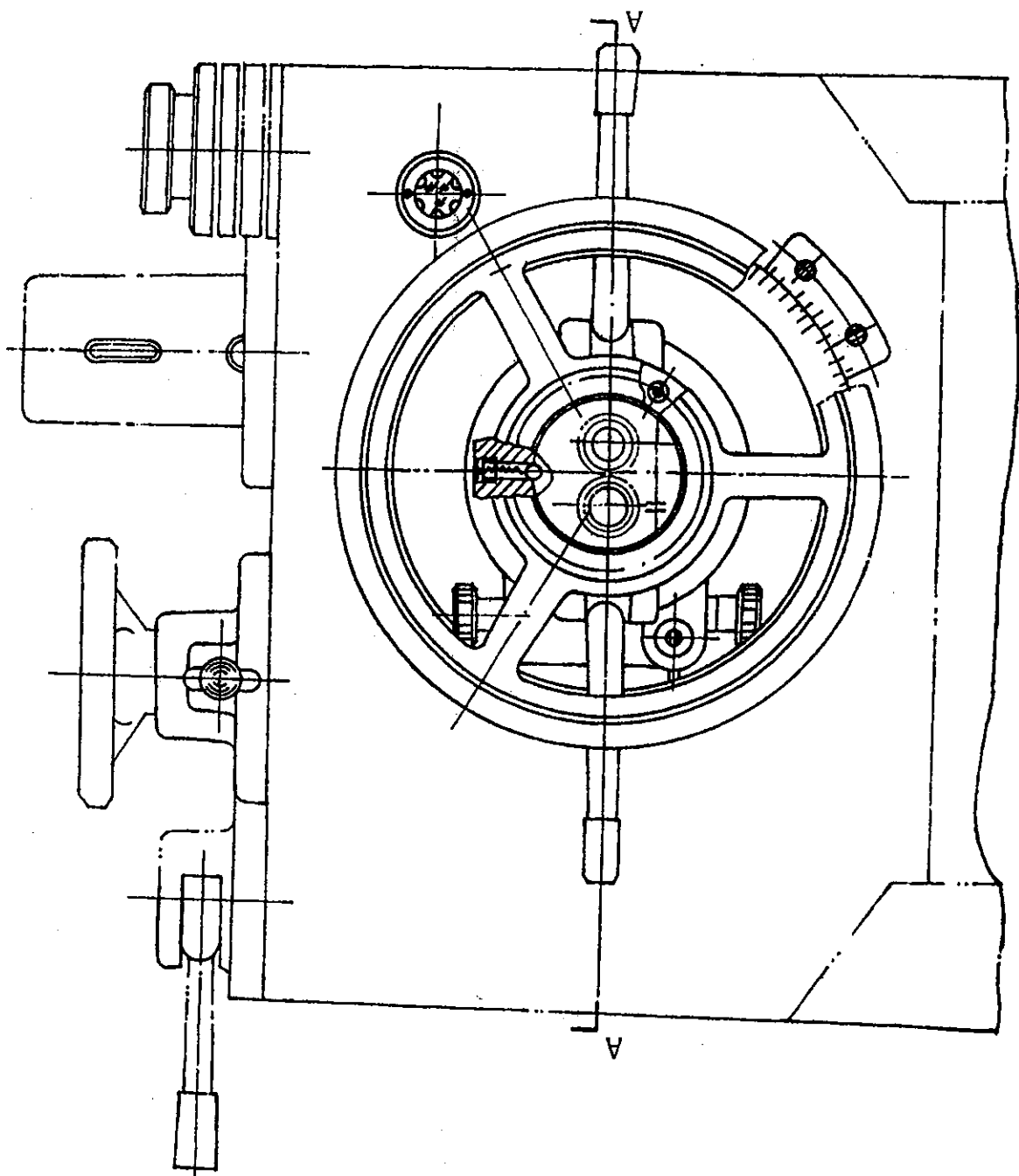
Locations of Spare parts. for Spindle Speed Change Mecnanism

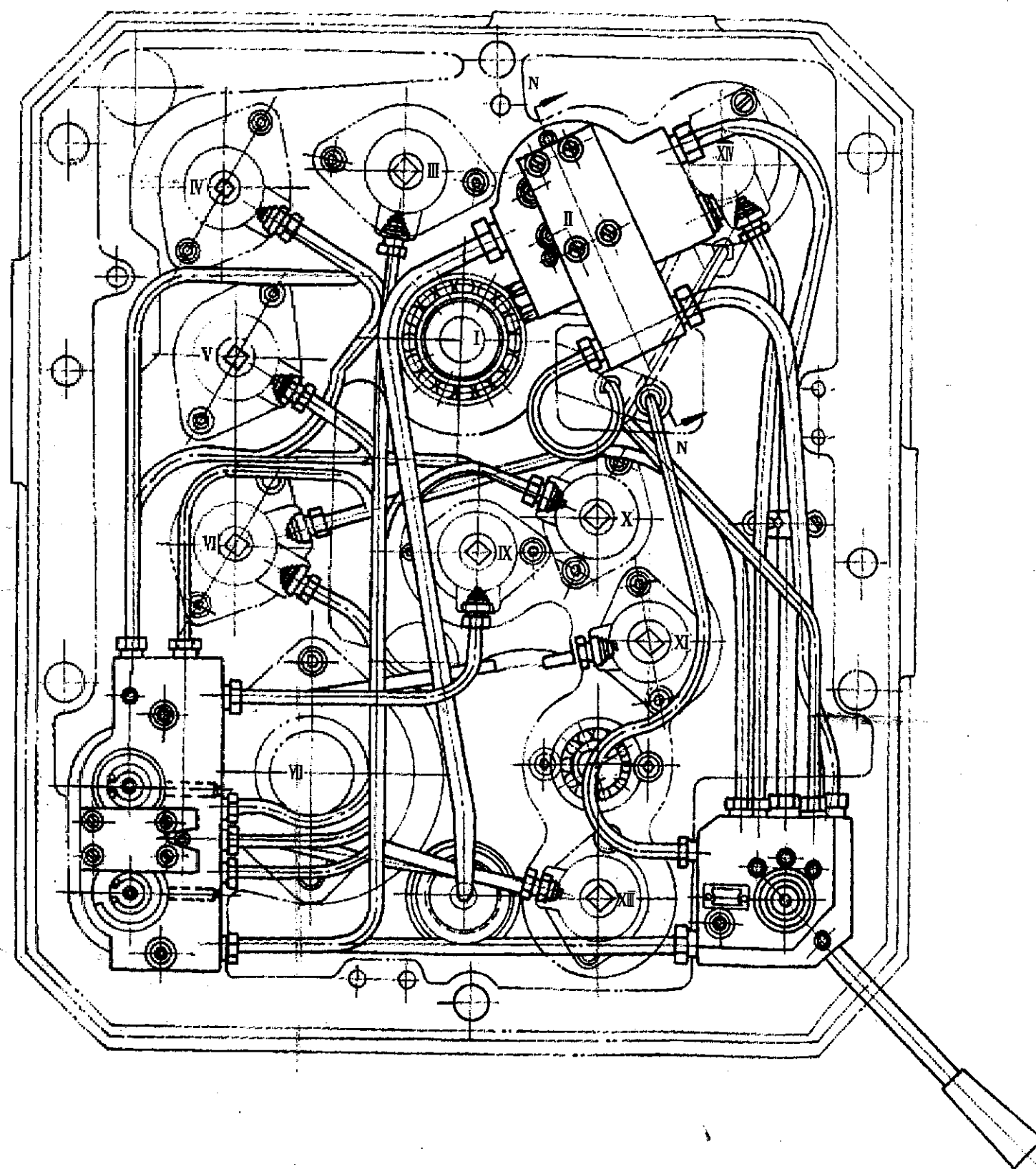




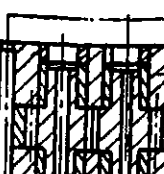
Locations of Spare Parts for Feeding Mechaniam

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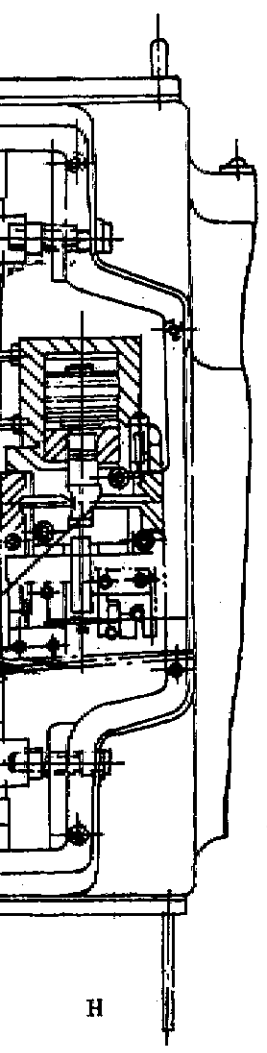
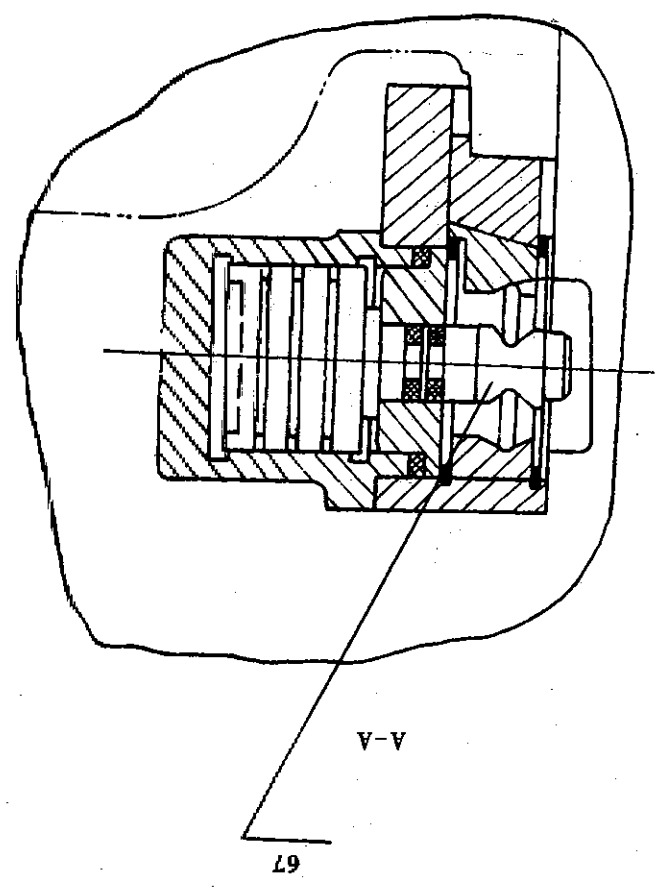
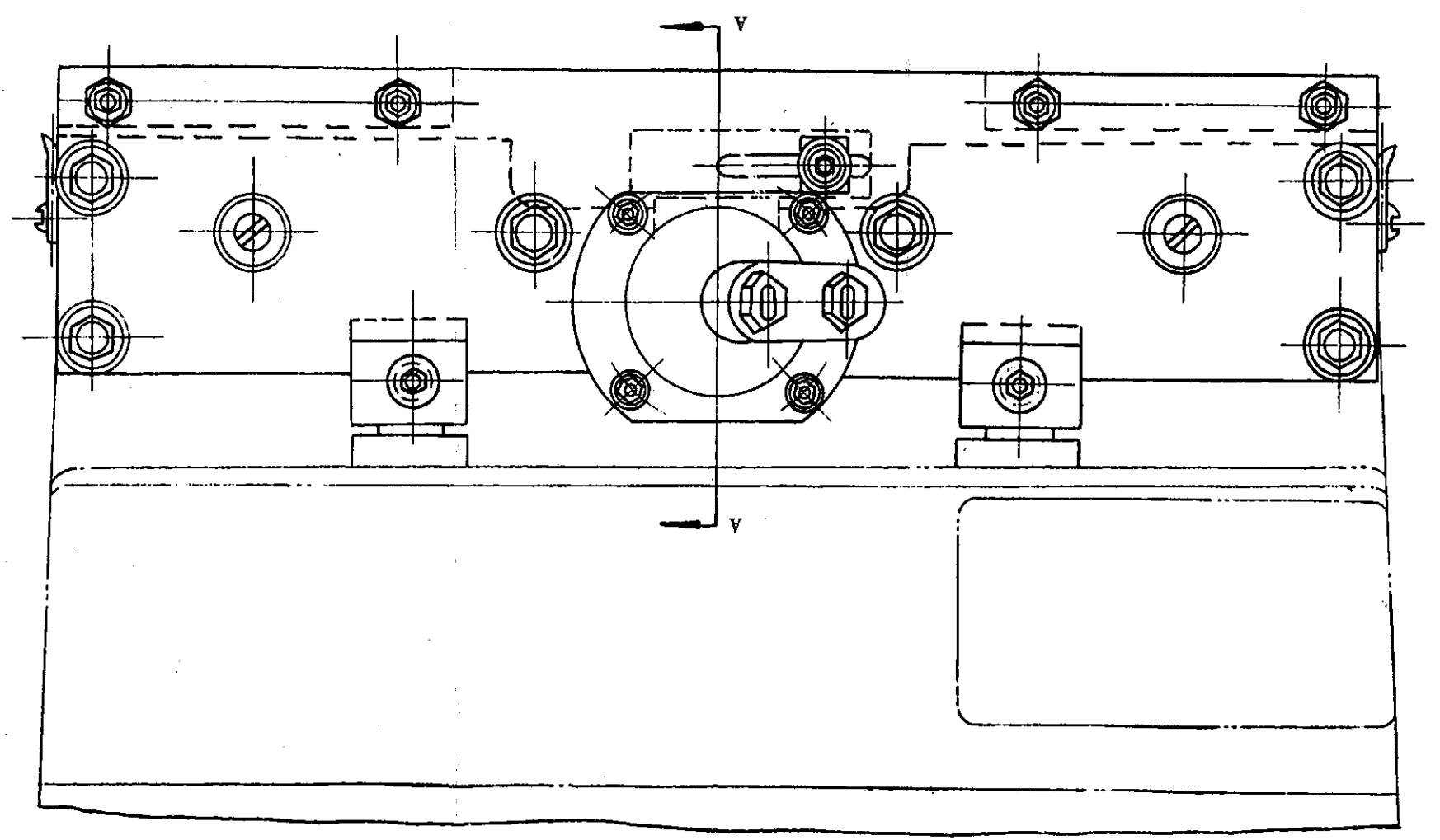


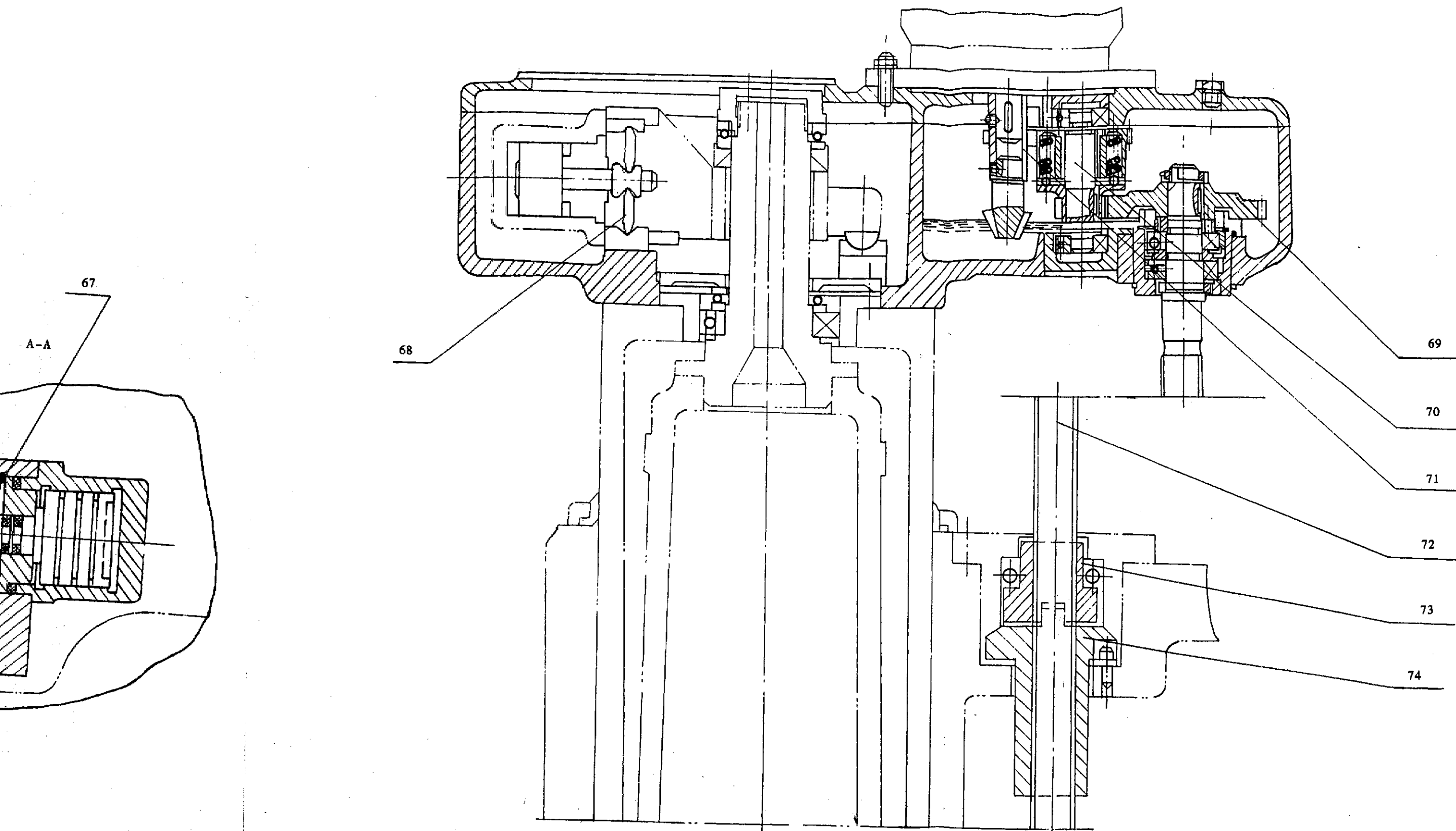
N-N Rotating



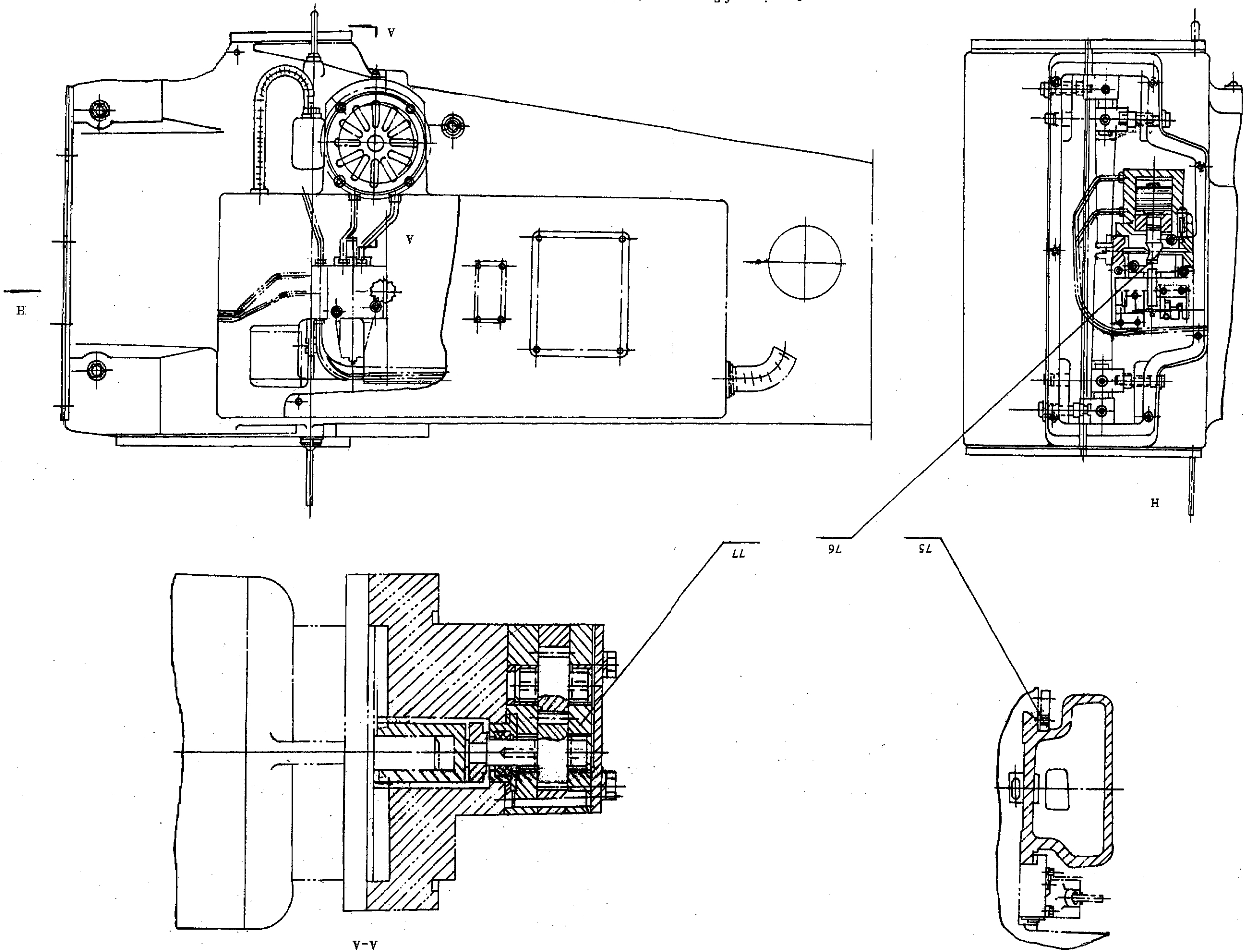
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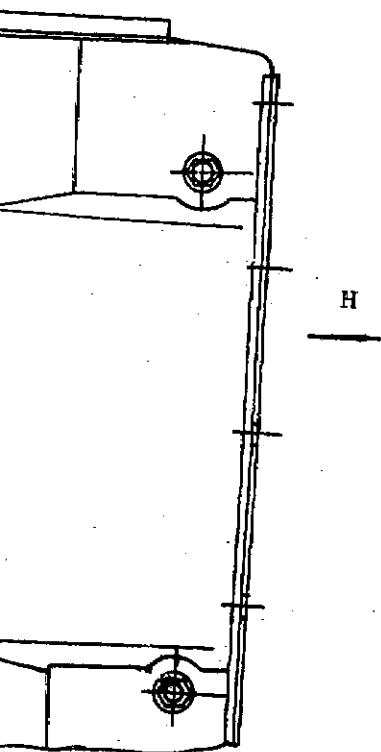
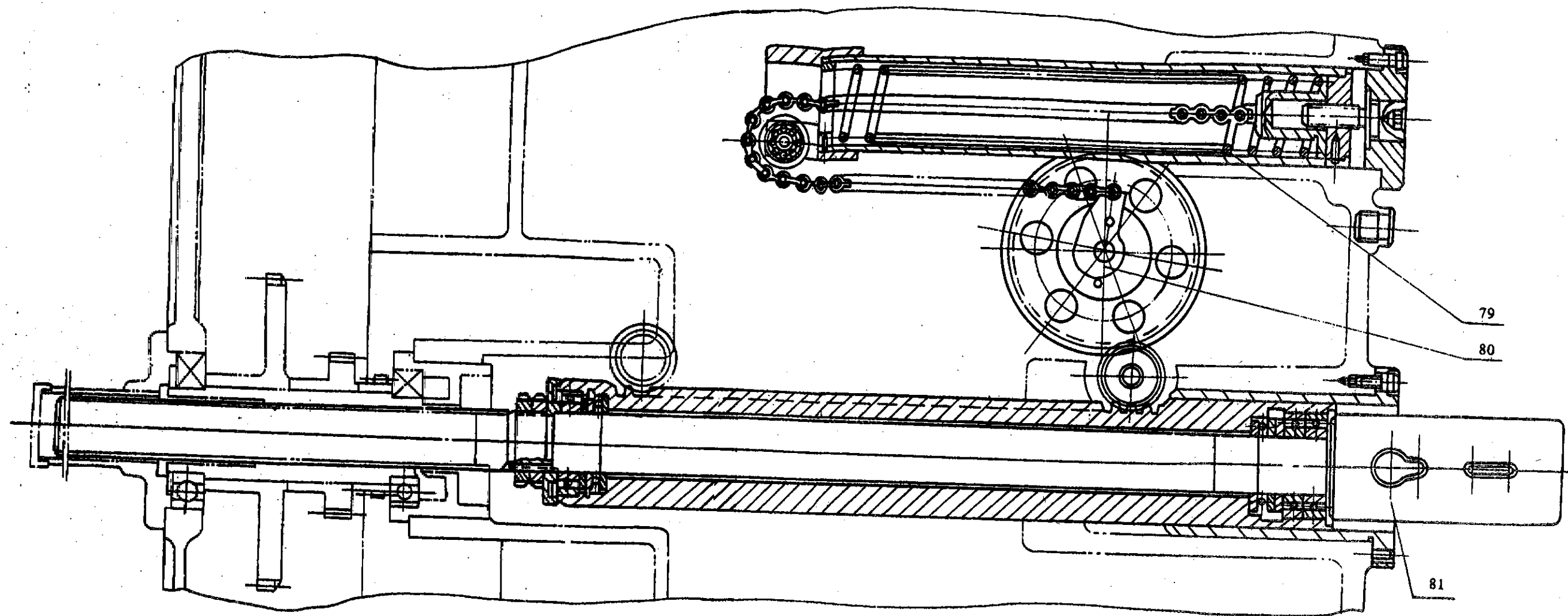
Locations of Spare Parts for Spindle Head Clamping Mechanism



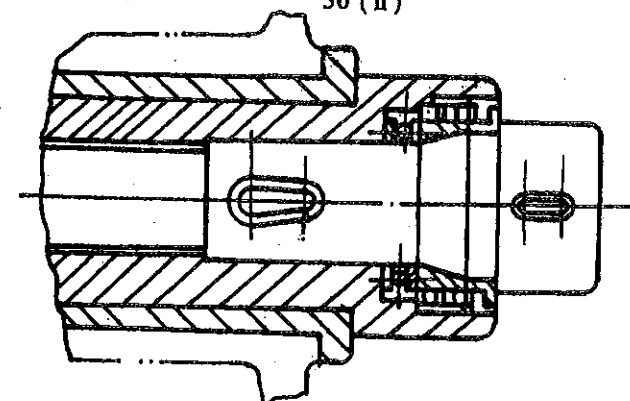


Locations of Spare Parts for Column Unit





The Spindle head for 40 (II)
50 (II)



Locations of Spare parts for Spindle & Balancing Mechanism