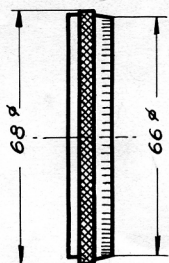




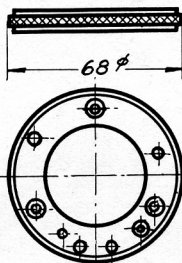
Parts List UPA 3

Page 1

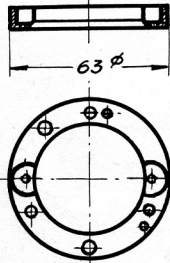
Important: When ordering, check whether the dimensions of the required parts correspond with dimensions given on list. Advise model and serial number of Head.



Graduated Collar
UPA 3-41



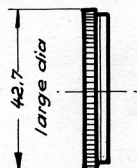
Retaining Ring
UPA 3-51



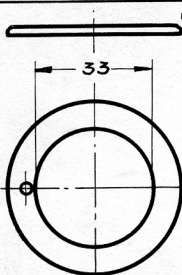
Internal Ring
UPA 3-52



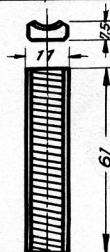
Coupling Gear Ring
UPA 3-34



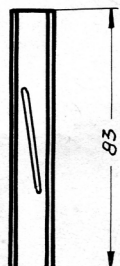
Gear Ring
UPA 3-44



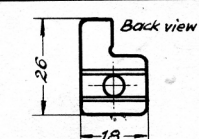
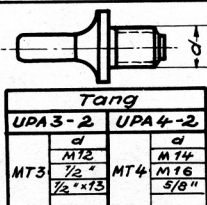
Closing Ring
UPA 3-75



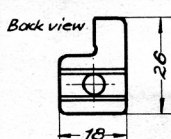
Rack
UPA 3-25



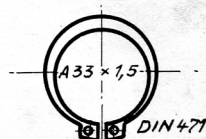
Gib
UPA 3-6



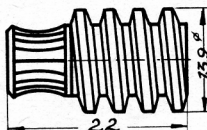
Stop Dog right
UPA 3-15



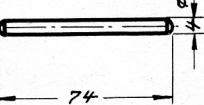
Stop Dog left
UPA 3-15



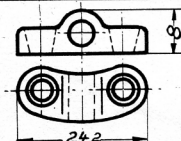
Clamping Ring
UPA 3-77



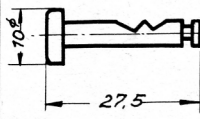
Worm Gear
UPA 3-24



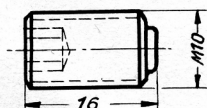
Cylindrical Pin
UPA 3-29



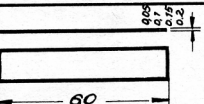
Stop Rod Bracket
UPA 2-66



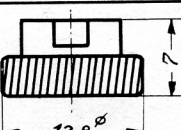
Feed Button
UPA 3-31



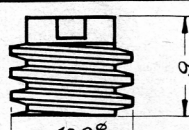
Holding Screw
UPA 3-12



Spacer for Rack
UPA 3-28



Gear
UPA 3-21



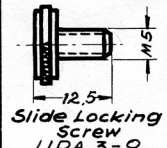
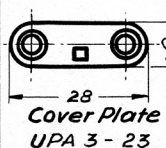
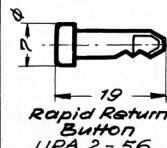
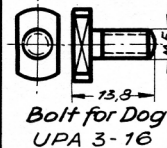
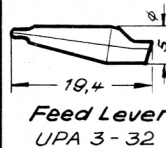
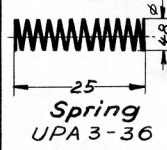
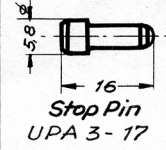
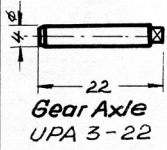
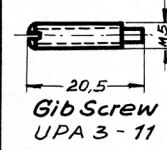
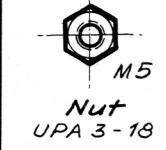
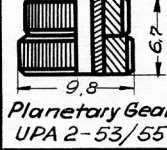
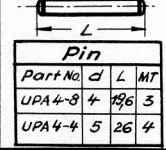
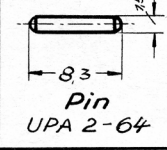
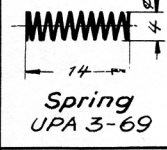
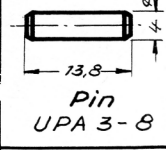
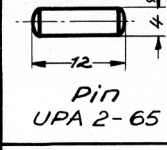
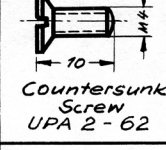
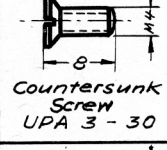
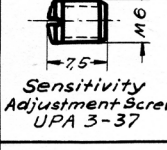
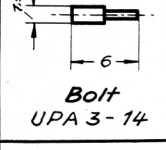
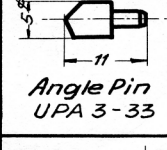
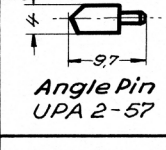
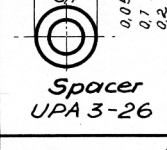
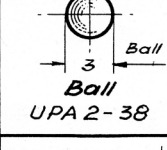
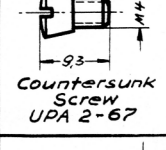
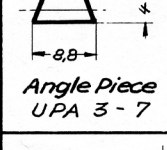
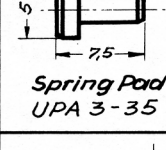
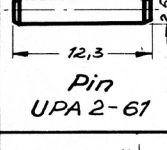
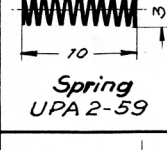
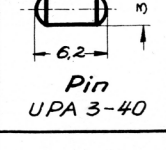
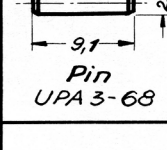
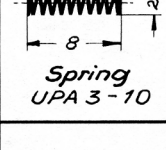
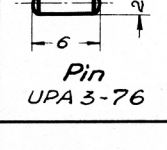
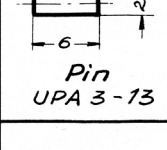
Worm
UPA 3-20



Parts List UPA 3

Page 2

Important: When ordering, check whether the dimensions of the required parts correspond with dimensions given on list. Advise model and serial number of Head.

 Slide Locking Screw UPA 3-9	 Cover Plate UPA 3-23	 Rapid Return Button UPA 2-56	 Bolt for Dog UPA 3-16	 Feed Lever UPA 3-32																
 Spring UPA 3-36	 Stop Pin UPA 3-17	 Gear Axle UPA 3-22	 Gib Screw UPA 3-11	 Nut UPA 3-18																
 Planetary Gear UPA 2-53/55	 <table border="1"><thead><tr><th colspan="4">Pin</th></tr><tr><th>Part No.</th><th>d</th><th>L</th><th>MT</th></tr></thead><tbody><tr><td>UPA 4-8</td><td>4</td><td>18</td><td>3</td></tr><tr><td>UPA 4-4</td><td>5</td><td>26</td><td>4</td></tr></tbody></table>	Pin				Part No.	d	L	MT	UPA 4-8	4	18	3	UPA 4-4	5	26	4	 Pin UPA 2-64	 Spring UPA 3-69	 Pin UPA 3-8
Pin																				
Part No.	d	L	MT																	
UPA 4-8	4	18	3																	
UPA 4-4	5	26	4																	
 Pin UPA 2-65	 Countersunk Screw UPA 2-62	 Countersunk Screw UPA 3-30	 Sensitivity Adjustment Screw UPA 3-37	 Bolt UPA 3-14																
 Angle Pin UPA 3-33	 Angle Pin UPA 2-57	 Spacer UPA 3-26	 Ball UPA 2-38	 Countersunk Screw UPA 2-67																
 Angle Piece UPA 3-7	 Spring Pad UPA 3-35	 Pin UPA 2-61	 Spring UPA 2-59	 Pin UPA 3-40																
 Pin UPA 3-68	 Spring UPA 3-10	 Pin UPA 3-76	 Pin UPA 3-13																	

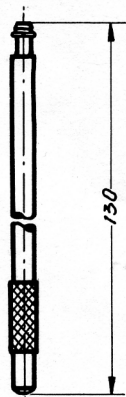


Parts List UPA 3

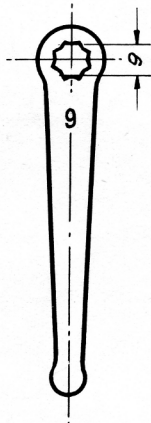
Page 3

Important: When ordering, check whether the dimensions of the required parts correspond with dimensions given on list. Advise model and serial number of Head.

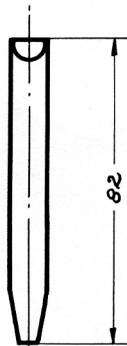
Operating Parts UPA 3



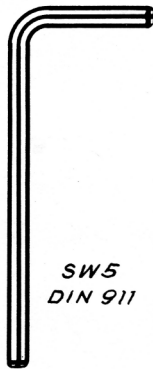
Stop Rod with Spring Clip
UPA 3 - 60



Flat Wrench SW9
UPA 3 - 91

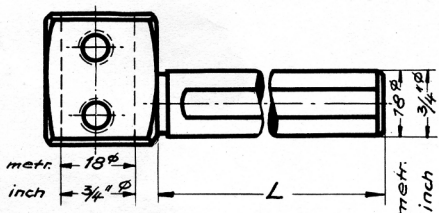


Lever
UPA 2 - 81

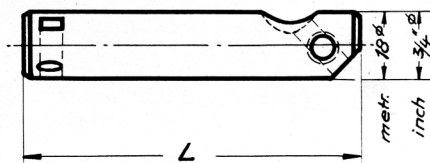


Allen Wrench 5
S 350

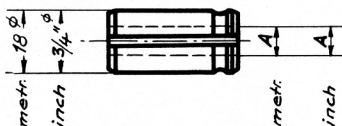
Extra Equipment UPA 3



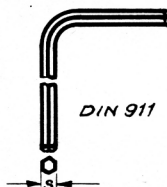
Boring Bar Holder		
metr.	inch	L
BH 308	BH 308 z	80
BH 312	BH 312 z	120



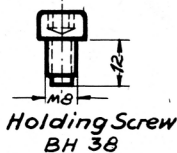
Boring Bar		
metr.	inch	L
B 306	B 306 z	60
B 309	B 309 z	90
B 312	B 312 z	120



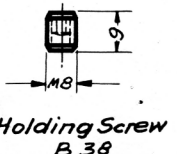
Clamping Sleeve				
metr.	φ A	inch	φ A	
Sp 3.08	8	Sp 3.08 z	5/16"	
Sp 3.10	10	Sp 3.10 z	3/8"	
Sp 3.12	12	Sp 3.12 z	1/2"	
Sp 3.14	14	Sp 3.14 z	5/8"	



Allen Wrench	
	S
S 340	4
S 360	6



Holding Screw
BH 38



Holding Screw
B 38