

Ferrabee Pillar Engine 1862

Metric Parts List

Part No.	Drw No	Description	Material	Quantity
01	07	Flywheel	Iron casting	One
02	08	Column	101.6mm od x 81.4mm id Steel tube	220mm
		Top of water tank	96mm dia mild steel	1.5mm
		Beading	Laser cut stainless steel	One
02B	08A	Column top	Iron top casting	One
02B	08B	Column bottom	Iron bottom casting	One
03	09	Cylinder	45mm dia bronze	75
			30 x 11mm bronze	67mm
			20mm sq bronze	50mm
			20mm dia bronze	25mm
04	10	Steamchest	30 x 15mm gunmetal	35mm
05	10	Steamchest top cover	20 x 3mm mild steel	30mm
			15mm dia bronze	50mm
06	11	Valve rod gland	15mm dia bronze	Part of 05
07	11	Piston rod gland	18mm dia bronze	25mm
08	11	Cylinder top cover	45mm dia stainless steel	25mm
09	11	Cylinder bot' cover	45mm dia stainless steel	Part of 08
10	12	Slide valve	15mm sq brass	25mm
11	12	Valve rod	2.5mm dia stainless steel	70mm
12	12	Slide valve nut	4mm sq brass	25mm
13	12	Piston	30mm dia brass	12mm

14	12	Piston rod	5mm dia stainless steel	155mm
02a	13	Column guide frame	Laser cut mild steel	One
02b	13	Column guide bars	Laser cut mild steel	One
15	14	Piston rod fork	12mm sq mild steel	25mm
16	14	Little end pin	7mm dia mild steel	35mm
17	14	Crankpin	6mm dia mild steel	250mm
18	14	Crosshead	25mm sq cast iron	25mm
19	14	Crank	45 x 20mm mild steel	30mm
20	15	Con rod bearings	8mm sq brass	25mm
21	15	Straps	10 x 6mm mild steel	50mm
22	15	Gibs and cotters	6 x 2mm mild steel	100mm
23	15	Connecting rod	8mm sq mild steel	225mm
24	16	Support bracket	Brass fabrication	One
25	16	Rocker arm	Laser cut mild steel	One
26	16	Pump hanger	Laser cut mild steel	One
27	16	Valve rod pivot block	5mm sq mild steel	200mm
28	16	Support tube	12mm dia mild steel	160mm
29	17	Rocker spindle	5mm dia mild steel	240mm
30	17	Main bearing caps	10mm sq mild steel	70mm
31	17	Pins to drop link	5mm dia mild steel	Part of 29
32	17	Bearing pedestals	20 x 10mm mild steel	70mm
33	17	Main bearings	16mm dia bronze	35mm
34	18	Eccentric sheave	22mm dia cast iron	25mm
35	18	Eccentric strap	Laser cut mild steel	One
36	18	Eccentric rod fork	6mm sq mild steel	50mm
37	18	Pin to eccentric rod	5mm dia mild steel	Part of 29
37A	18	Pins to valve rocker	4mm dia mild steel	350mm
38	19	Eccentric rod	6mm dia mild steel	Part of 17
39	19	Governor spindle	5mm sq mild steel	Part of 27
40	19	Governor arms	Laser cut mild steel	Two
41	19	Governor balls	20mm dia mild steel	75mm
42	20	Governor links	Laser cut mild steel	One

43	20	Governor pivot block	15 x 8mm mild steel	35mm
44	20	Governor bracket	30mm sq mild steel	50mm
45	21	Governor pulley	22mm dia mild steel	50mm
46	21	Governor pulley	22mm dia mild steel	Part of 45
47	21	Governor gears	0.8 Mod, 16 teeth	Two
48	21	Spindle for gear	3mm dia mild steel	100mm
49	21	Collars to governor	5mm dia mild steel	Part of 29
50	22	Crankshaft	9.5mm dia mild steel	160mm
51	22	Governor pillar	6mm dia mild steel	Part of 17
52	22	Governor lever	Laser cut mild steel	One
53	22	Governor pins	3mm dia mild steel	Part of 48
54	22	Governor pins	3mm dia mild steel	Part of 48
55	22	Governor pins	3mm dia mild steel	Part of 48
56	23	Stop valve body	18mm dia brass	215mm
57	23	Spindle gland	7mm hex brass	25mm
58	23	Stop valve pipe	18mm dia brass	Part of 56
59	23	Stop valve spindle	5mm dia stainless steel	Part of 14
60	24	Throttle valve	18mm dia brass	Part of 56
61	24	Throttle gland	18mm dia brass	Part of 56
62	24	Stop valve cover	20mm dia stainless steel	25mm
63	24	Bracket	5mm sq mild steel	Part of 27
64	25	Throttle valve	6mm dia stainless steel	50mm
65	25	Throttle O ring	6mm od x 2.5mm id O ring	Bought in
66	25	Stop valve O ring	4.5mm od x 2.5mm id O ring	Bought in
67	25	Stop valve handle	20mm dia mild steel	25mm
68	25	Throttle link	Laser cut mild steel	One
69	25	Connector	6mm dia mild steel	Part of 17
70	26	Governor push rod	5mm sq mild steel	Part of 27
			2.5mm dia mild steel	300mm
71	26	Governor push rod	5mm sq mild steel	Part of 27
			2.5mm mild steel	Part of 70
72	26	Pump plug	9.5mm hex brass	50mm

73	26	Stop pin	2.5mm dia stainless steel	25mm
74	26	Valves	4mm dia stainless balls	Two
75	26	Pump pivot pins	4mm dia mild steel	Part of 37A
76	27	Pump valve box	20mm dia brass	Part of 72
77	28	Pump body	20mm dia brass	50mm
			18mm dia brass	Part of 56
78	28	Pump ram	7mm dia stainless steel	75mm
79	28	Pump gland	18mm dia brass	Part of 56
80	28	Pump plug	9.5mm hex brass	Part of 72
81	29	Stop valve cover	16mm dia stainless steel	25mm
82	29	Stop valve body	22mm dia brass	15mm
			16mm dia brass	60mm
83	30	Stop valve O ring	5.5mm od x 2.5mm id	One
84	30	Stop valve plug	6mm dia brass	25mm
85	30	Stop valve spindle	8mm dia stainless steel	50mm
86	30	Stop valve gland	16mm dia brass	Part of 82
87	30	Studs	4mm dia mild steel	Part of 37A
88	30	Nameplate	30 x 1.6mm engraving brass	80mm
89	31	Stone base	116 x 10mm hardwood	120mm
90	32	Wooden base	250 dia x 25mm hardwood	One