

OIL ROTARY DIRECT DRIVE
VACUUM PUMPS PART LIST

BT-7, 12, 24, 35

BESTECH

BT-Series Oil Rotary Vacuum Pump Part List (BT7, 12, 24, 35)

NO	DESCRIPTION	MATERIALS	DIMENSIONS	Q'YT				REMARKS
				BT7	BT12	BT24	BT35	
1	Hex socket head cap screw	SCM435	M5x15	6				
2	Sight glass bezel	ADC12	108x48x10	1				
3	Sight glass	Glass	91.5x19x3	1				
4	Sight glass seal	NBR	96x23.5x4.5	1				
5	Oil drain plug	SUM24L	PF 3/8(φ 25x15)	1				
6	Flat O-ring	NBR	φ 15x φ 22x2	1				
7	Oil casing	ADC12	165x193x140	1				
		AC4C	205x226x185		1			
8	Flat O-ring	NBR	φ 15x φ 22x2				1	
				2			3	
9	Oil intake plug	SUM24L	PF 3/8(φ 22x15)	2				
	Oil drain & intake plug		205x226x215				1	
10	O-ring	NBR	G30	1				
11	Outlet port	SUS304	DN25	1				
12	Center ring	Duralumin	DN25KF	1				
13	O-ring	NBR	φ 28x5	1				
14	Outlet port cap	KN333G30	DN25	1				
15	Clamp ring	ADC12	DN25	1				
16	Hex socket head cap screw	SCM435	M6x20	1				
			M6x25			1		
17	Exhaust valve cover	ADC12	90x44x70	1				
			100x50.5x85			1		
18	Screen	Stainless	34x15x41	1				
			48x35x48			1		
19	O-Ring	NBR	φ 2	1				

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				BT7	BT12	BT24	BT35	
20	Oil casing gasket	KDG-4000	146X193X0.5 180x228.5x0.5	1				
21	Hex socket head cap screw	SCM435	M8x80 M8x95	2				
22	Rear cover	GC25	φ 104x15 φ 124x15	1				
23	Oil pump	X7511	25.8x10x4		1			
24	Intermediate plate	GC25	φ 104x26 φ 124x26	1				
25	Non return valve Spring	SUS304	φ 16.1 x φ 10.9x8.5		1			
26	Non return valve	Viton	φ 12x7		1			
27	Rotor sleeve	SCM4	φ 23x φ 28x10		1			
28	2nd vane	EC-4	17x30.5x5 28x40.6x6	2				
29	2nd rotor	GC25	φ 48x54 φ 64x65	1				
30	Rotor sleeve	SCM4	φ 23x φ 28x10		1			
31	2nd Cylinder	GC25	φ 104x41.5 φ 124x52.5	1				
32	Rotor coupling	GC30	φ 23x19.7x5 φ 23x19.7x6	1				
33	Rotor sleeve	SCM4	φ 23x φ 28x10		1			
34	Exhaust valve plate	7C27Mo2	45x30x0.2 57.5x36x0.2	1				

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				BT7	BT12	BT24	BT35	
35	Exhaust valve catcher	ADC12	48x30x11.5 58x36x12	1				
36	Hex socket head cap screw	SCM435	M6x20		1			
37	1st vane	EC-4	24x30.5x5 49x30.5x5 56x40.6x6 85x40.6x6	2		2		
38	1st rotor	GC25	φ 48x83.5 φ 48x108.5 φ 64x124 φ 64x153	1		1		
39	Rotor key	S45C	5x5x15x1R 6x6x20x1R	1			1	
40	Oil seal sleeve O-ring	Viton	φ 15x1.5 φ 20x1.5	1			1	
41	Oil seal sleeve	SCM4	φ 20x φ 15x31 φ 25x φ 20x34	1			1	
42	Oil seal	Viton	S20x30x7 S25x35x7	1			1	
43	1st cylinder	GC25	φ 104x57 φ 104x82 φ 124x94 φ 124x123	1		1		
47	Cylinder gasket	KDG-4000	φ 105x0.5 φ 125x0.5	1			1	

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				BT7	BT12	BT24	BT35	
48	O-ring	NBR	G50	1				
49	Oil seal	Viton	D20x30x7 D25x35x7	1		1		
50	Stop ring		φ 30(hole type) φ 35(hole type)	1		1		
51	Pump coupling	ZnDC2	φ 55x38 φ 55x45	1		1		
52	Coupling disk	SUS304	φ 18x3 φ 27x3	1		1		
53	Hex socket head cap screw	SCM435	M5x20 M6x22	1		1		
54	Alignment pin	S45C	φ 4.2x13		2			
55	Pump housing	AC4C	165x195x99 205x230x92	1			1	
56	Gas ballast valve plate	Viton	φ 19x4		1			
57	Gas ballast valve seat	Kn333G30	φ 19x18		1			
58	Gas ballast valve spring	SWP	φ 18.8x22x φ 1.8		1			
59	Gas ballast valve piston	KN333G30	φ 20.5x35		1			
60	Regulator plate	Kn333G30	φ 35.5x9		1			
61	Hex socket head cap screw	SCM435	M4x12		3			
62	Gas ballast knob	KN333G30	φ 35.5x15		1			
63	Hex socket head cap screw	SCM435	M4x15		1			
64	Clamp ring	ADC12	DN25		1			
65	Inlet port cap	KN333G30	DN25		1			
66	O-ring	NBR	φ 28x5		1			

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				BT7	BT12	BT24	BT35	
67	Dirt trap	SUS304	DN25KF	1				
68	Hex socket head cap screw	SCM435	M6x16	4				
69	Inlet port	SUS304	90x90x32	1				
70	Stop ring		φ 52(hole type)	1				
71	Valve plate	NBR	φ 32.5x12	1				
72	Valve cover	PPS	φ 54x17.5	1				
73	O-ring	NBR	G45	1				
75	O-ring	Viton	AN110	1				
76	Bushing	SUS304	φ 14.2x φ 9.5x8.5	1				
78	Valve piston	PPS	φ 33.8x62.5	1				
79	Spring	SUS304	φ 14.5x50x φ 1.2	1				
			φ 15x63x φ 1.4			1		
80	O-ring	NBR	G75	1				
81	Coupling element	NBR	φ 55x17	1				
82	Colling pan	ZnDC2	φ 130x47x φ 14	1				
			φ 158x51.5x φ 19			1		
83	Hex socket head cap screw	SCM435	M6x40	1				
84	Motor housing gasket	V/1501	165x193x1	1				
			205x228.5x1			1		
85	Hex socket head cap screw	SCM435	M6x25	4				
			M6x35(삼상)			4		M6x40(단상)
86	Motor housing	ADC12	165x178x23	1				
			205x213.5x29			1		

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				BT7	BT12	BT24	BT35	
87	Hex socket head cap screw	SCM435	M6x22 M8x25	4				
88	Portable handle	KN333G30	146x72.2x16 180x75x16	1			4	
89	Plate key	S45C	5x5x15 6x6x30	1			1	
90	Motor		0.4Kw 0.75Kw	1			1	
91	Washer	S25C	φ 6 φ 16x φ 6.4x1.2	4			4	
92	Flange nut	S45C	M6		4			
93	Pump base	ADC12	260x146x23.5 330x176x25	1			1	
94	Hex socket head cap screw	SCM435	M6x22 M8x25	4			4	
95	Foot	NBR	φ 26x23		4			
96	Spring washer	S25C	φ 6 φ 8	4			4	
97	Spring washer	S25C	φ 6	7				
98	Hex socket head cap screw	SCM435	M6x90 M8x95	4			4	
99	Hex socket head cap screw	SCM435	M6x60 M8x70	3			3	
100	Set screw	SCM435	M6x18 M6x12	1			1	

Exploded view of pump

BT-7,12,24,35

