

W.S. TYLER RO-TAP®



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RO-TAP® RX-29 AND RX-30 MODELS

The industry standard in test sieve shakers, the original W.S. Tyler Ro-Tap® has a unique two-dimensional operation: a horizontal, circular motion, and a vertical tapping motion. This special action allows material particles to stratify and “seek” critical openings in the test media. This unit provides the most accurate and consistent particle analysis testing and requires minimal maintenance. The RX-29 is designed for testing with 8-inch diameter test sieves. The RX-30 model is designed for testing with 12 in. diameter test sieves. Each unit is test run and serialized prior to shipment and features a 99-minute digital timer/clock with a tolerance of .1 seconds.



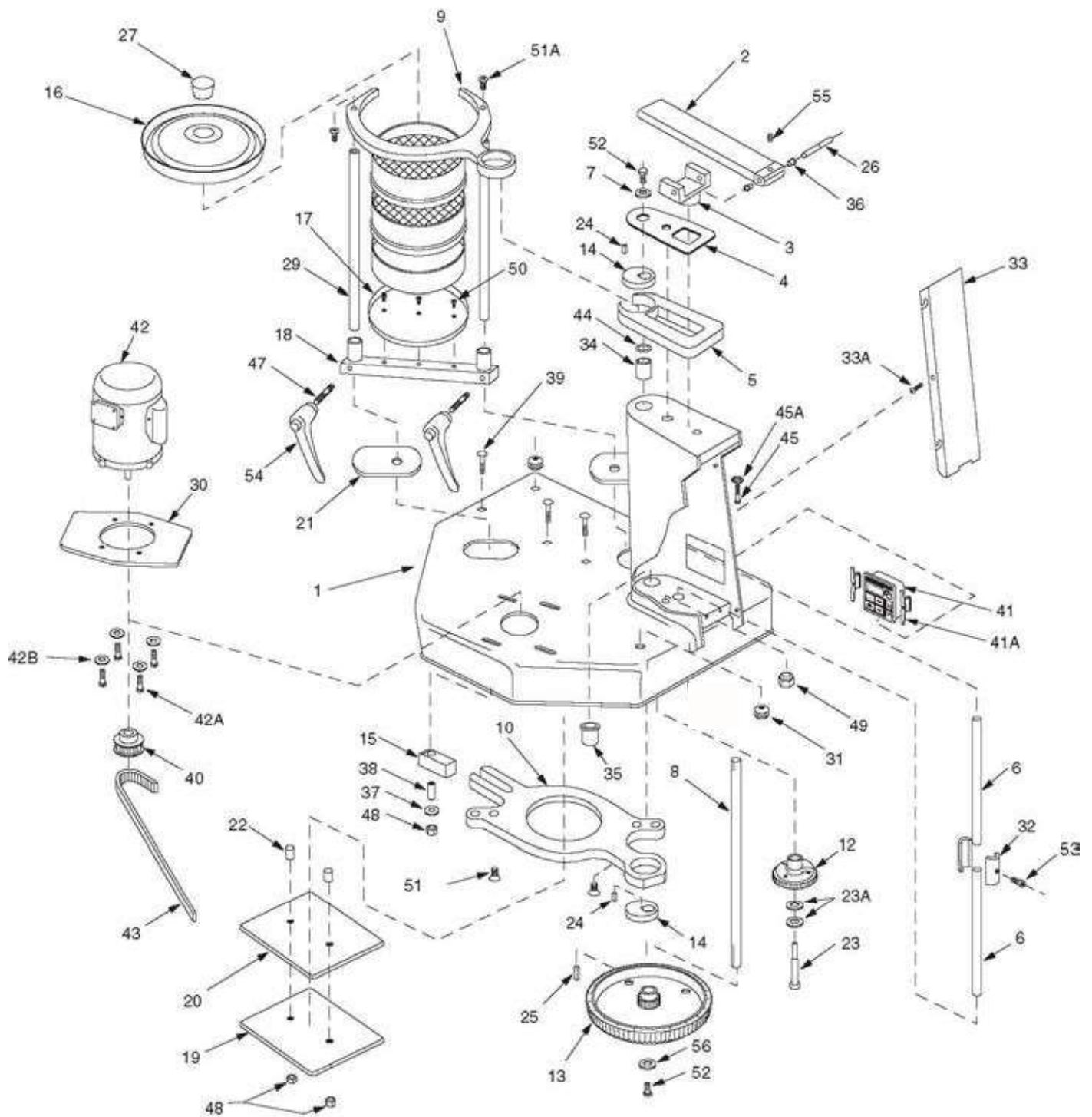
Number of Sieves		
Model	Full Height	Part #
RX-29 (8 in. or 200 mm diameter)	6 sieves with full height pan	13 sieves with half height pan
RX-30 (12 in. or 300 mm diameter)	4 sieves with full height pan	8 sieves with half height pan
RX-30 (12 in. or 300 mm diameter)	6 sieves with full height pan	8 sieves with half height pan

At 1725 RPM, 60 Cycle Current	
Description	Part #
115v (8 in. test sieve)	RX-29
230v (8 in. test sieve)	RX-29-16
115v (8 in. test sieve)	RX-30
230v (8 in. test sieve)	RX-30-16

At 1425 RPM, 50 Cycle Current	
Description	Part #
115v (8 in. test sieve)	RX-29-2
230v (8 in. test sieve)	RX-29-10
115v (8 in. test sieve)	RX-30-2
230v (8 in. test sieve)	RX-30-10

Specifications	
Oscillations per Minute	278 ± 10
Oscillations Displacement	1-1/8 in. x 7/16 in.
Taps per Minute	150 ± 10
Dimensions	28 in. wide x 21 in. deep x 25 in. high (71 cm x 54 cm x 64 cm)
Weight	180 lbs. (82 kg)
Testing Applications	RX-29: 2 in. through US #635 mesh (20 µm) RX-30: 4 in. through US #500 mesh (25 µm)

RO-TAP® RX-29 AND RX-30 PARTS DIAGRAM



RO-TAP® RX-29 AND RX-30 PARTS

Item #	Part #	Description	Required
1	107770	Base	1
2	R-20029	Hammer	1
3	R-20023	Hammer Block	1
4	R-30019	Sheet Guard	1
5	R-30010	Rotating Guard	1
6	R-10036	Lift Rod	2
7	R-10038	Upper Main Shaft Washer	1
8	R-20027	Main Shaft	1
9	R-30008	Upper Carrying Plate: RX-29 (plastic)	1
9A	R-30008-1	Upper Carrying Plate: RX-29 (heavy-duty cast aluminum)	1
9B	R-30027	Upper Carrying Plate: RX-30 (steel)	1
10	R-30009	Lower Carrying Plate	1
12	R-20039	Cam Gear	1
13	R-30015	Timing Belt Pulley	1
14	R-10034	Eccentric Discs	2
15	R-10032	Block	1
16	R-30007	Sieve Cover (RX-29)	1
	R-30011	Sieve Cover (RX-30)	1
17	R-30006	Sieve Support Plate (RX-29)	1
	R-30013	Sieve Support Plate (RX-30)	1
18	R-30023	Sieve Support Clamp Bar (RX-29)	1
	R-30022	Sieve Support Clamp Bar (RX-30)	1
19	R-20019	Backup Plate	1
20	R-20020	Bearing Plate	1
21	R-20033	Shield	2
22	R-10028	Tube Spacer	2
23	R-10029	Cam Shoulder Screw	1
23A	106582	1/2 in. ID Sham	2
24	R-10042	Main Shaft Key – Eccentric	2
25	R-10039	Main Shaft Key – Lower	1
26	R-10035	Hammer Pin	1
27	R-10066-A	Cork Plug (10 per pk.)	1 pk.
29	R-10033	Tie Rod	2
30	R-30018	Motor Adapter	1
31	ZA11167	Grommet	2
32	R-10030	Lift Rod Coupling (2-1/2 in. long)	1
33	R-40011	Pedestal Cover	1
34	R-10061	Flange Bushing	1
35	R-10062	Bearing	1
36	R-10063	Flange Bearing	2
37	ZF10168	Thrust Washer	1
38	R-10065	Steel Bushing	1
39	ZF10174	3/8-16 NC x 2-1/4 in. Carriage Bolt	3
40	R-10070	Sprocket w/ Set Screw: 14 teeth (1800 RPM)	1
	R-10048	Sprocket w/ Set Screw: 17 teeth (1500 RPM)	1
41	R-40029	Electronic Timer: 115v	1
	R-40037	Electronic Timer: 230v	1
42	RP-1500-23	Motor: 1/4 HP (115v/230v) (60Hz/50Hz) 1 Phase	1
42A	ZF10183	3/8 -16 x 1 in. Long Hex Head Screw	4
42B	ZF10168	3/8 ID Flat Washer	4
43	R-10058	Timing Belt	1
44	R-10055	Shim	1
45	ZZ10068	1/2- 13 x 2-1/2 in. Long Head Bolt	1
45A	ZZ10323	1/2 ID Lock Washer	1
47	R-10079	Clamp Screw	2
48	ZF10221	3/8 in. Lock Nut	3
49	ZF10222	1/2 in. Lock Nut	1
50	ZF10231	10- 32 x 1/2 in. Long Flat Head Socket Cap Screw	3
51	ZF10241	3/8- 16 x 3/4 in. Long Flat Head Socket Cap Screw	2
51A	ZF10240	3/8- 16 x 3/4 in. Long Hex Head Screw	2
52	114162	3/8- 16 x .62 in. Long Hex Head Screw	2
53	ZF10251	5/16- 24 X 1-1/4 in. Long Socket Head Cap Screw	1
54	R-20082	Adjustable Handles (pair)	1
55	ZA10148	#10-24 x 1/4 in. Socket Head Set Screw	1
56	ZF10271	3/8 ID x 1-1/2 in. OD Fender Washer	1
60*	R-10017	Timer Cord w/ Plug (110v)	1
60A*	R-10017-220	Timer Cord w/ Plug (220v)	1