



HOSKIN
SCIENTIFIC

W.S. TYLER
SIEVES & SHAKERS
TOOLS & INSTRUMENTATION



hoskin.ca

Supplying Testing & Monitoring Instruments Since 1946

ABOUT HOSKIN

For over seventy years, Hoskin Scientific has been a supplier of testing and monitoring instrumentation to the Canadian market. With offices in Vancouver, Edmonton, Oakville and Montréal our customers are able to receive local sales and technical support in our three major departments.

Our Environmental Department provides solutions for monitoring and sampling biological and chemical parameters in the environment. Our team of environmental sales representatives and diverse product range guarantee that you will find the right products for your application. Specific areas include: water quality, water quantity, soil moisture, plant science, weather stations, indoor air quality, aquatic sampling, and oceanography.

Our Materials Testing Department offers testing equipment for soil, asphalt, petroleum, concrete and cement. Our qualified sales associates focus on providing a sophisticated range of testing equipment complying with the various test methods, ensuring that accurate and consistent test results are always obtained.

Our Instrumentation Department focuses on a wide range of products including optical camera systems, transducers and transmitters, data acquisitions and loggers, signal conditioners and indicators, automation sensors and measurement systems. We have technical sales associates that are trained in various areas and willing to help you with your instrumentation requirements.

RENTALS

We offer high quality, proven equipment that will provide the user with valuable data as well as numerous ways of retrieving, filtering and viewing that data. We carry a wide range of instrumentation, including: water quality, portable gas monitors, soil sampling instruments and more.

Rental Equipment:

- Single and multi-parameter instruments that can be setup for spot checks or extended deployment/data logging
- Water sampling instruments
- Water velocity and stream profiling instruments
- Soil sampling instruments
- Soil vapour sampling instruments
- Portable gas monitoring instruments

Customer satisfaction is our goal and we make an effort to ensure that all our customers are satisfied with their rental. All rental instruments are cleaned and calibrated before being sent to the user (please note that we also require equipment to be returned clean). If a rental instrument requires recalibration, please return the instrument to us and we will recalibrate at no charge. Any instrument not functioning properly can be exchanged at no cost.

Hoskin Scientific offers technical support over the phone and can also provide hands on demonstrations.

We are constantly expanding and looking for new equipment to add to the rental inventory and welcome all suggestions.

Check our website www.hoskin.ca for current offerings.

Daily, weekly and monthly rental rates available – please call for a quote.

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RO-TAP[®] RX-29 AND RO-TAP[®] RX-30 MODELS

The industry standard in test sieve shakers, W.S. Tyler's 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.

The RX-29 model is designed for testing with 8" diameter test sieves; the RX-30 model is designed for testing with 12" diameter test sieves.

- Testing applications — RX-29: 2" down through 635 mesh (20 micron); RX-30: 4" down through 500 mesh (25 micron)
- Requires minimal maintenance
- Heavy-duty use
- Features 99 minute digital timer/clock, tolerance, 0.1 second
- Each unit is test run and serialized prior to shipment



SPECIFICATIONS

- Oscillations per Minute: 278±10
- Oscillations Displacement: 1-1/8" x 7/16"
- Taps per Minute: 150±10
- Hammer Weight; 5 lbs., 6 oz.

Recommendations regarding the maximum number of test sieves that can be used with Ro-Tap[®] Test Sieve Shakers:

MODEL	NUMBER OF SIEVES	
	FULL HEIGHT	HALF HEIGHT
RX-29 (8" or 200mm Dia.)	6 Sieves w/FH Pan	13 Sieves w/HH Pan
RX-30 (12" or 300mm Dia.)	4 Sieves w/FH Pan 6 Sieves w/HH Pan*	8 Sieves w/HH Pan

* Intermediate height

A top cover is required for testing with all of the above.

ACCESSORIES
Sound Enclosure Cabinets Test Stand Parts Maintenance Kits Conversion Kits
Lab Kits consisting of Ro-Tap [®] , sound enclosure and test stand are available at a discounted price.

Dimensions — Unit: 28" wide x 21" deep x 25" high (71cm x 54cm x 64cm)
Shipping: 31" wide x 23" deep x 30" high (77cm x 59cm x 77cm)

Weight — Unit: 180 lbs. (82 kg)
Shipping: 190 lbs. (86 kg)

AT 1725 RPM, 60 CYCLE CURRENT	
PART #	DESCRIPTION
RX-29	115v (8" Test Sieves)
RX-29-16	230v (8" Test Sieves)
RX-30	115v (12" Test Sieves)
RX-30-16	230v (12" Test Sieves)

AT 1425 RPM, 50 CYCLE CURRENT	
PART #	DESCRIPTION
RX-29-2	115v (8" Test Sieves)
RX-29-10	230v (8" Test Sieves)
RX-30-2	115v (12" Test Sieves)
RX-30-10	230v (12" Test Sieves)

ITEM NO.	PART NO.	DESCRIPTION	REQ'D.
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 – RX29 – plastic	1
9A	R-30008-1	Upper Carrying Plate – RX-29 – Heavy-Duty Cast Aluminum (see inset)	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 Disc.	2
15	R-10032	Block	1
16	R-30007	Sieve Cover– RX-29	1
16	R-30011	Sieve Cover – RX-30	1
17	R-30006	Sieve Support Plate – RX-29	1
17	R-30013	Sieve Support Plate – RX-30	1
18	R-30023	Sieve Support Clamp Bar – RX-29	1
18	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" I.D. Shim	2
24	R-10042	Main Shaft Key to Eccentric	2
25	R-10039	Main Shaft Key – Lower	1
26	R-10035	Hammer Pin	1
27	R-10066-A	Urethane Plug	1
29	R-10033	Tie Rod	2
30	R-30018	Motor Adapter	1
31	ZA11167	Grommet	2
32	R-10030	Lift Rod Coupling (2.50" long)	1
33	R-40011	Pedestal Cover	1
34	R-10061	Flange Bearing	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 2.25" Carriage Bolt	3
40	R-10070	Sprocket – 14 teeth (1800 RPM) w/ Set Screw	1
	R-10048	Sprocket – 17 teeth (1500 RPM) w/ Set Screw	1
41	R-40029	Electronic Timer (115V)	1
41	R-40037	Electronic Timer (230V)	1
41A	R-40040	Timer Mounting Clip	2
42	P-1500-23	Motor – 1/4 H.P. 115/230V 60/50Hz 1 Phase	1
42A	ZF10183	3/8-16 x 1.00" Long Hex Head Screw	4
42B	ZF10168	3/8 I.D. Flat Washer	4
43	R-10058	Timing Belt	1
44	R-10055	Shim	1
45	ZZ10068	1/2 - 13 x 2.50" Long Hex Hd. Bolt	1
45A	ZZ10323	1/2 I.D. Lock Washer	1
47	R-10079	Clamp Screw	2
48	ZF10221	3/8" Lock Nut	3
49	ZF10222	1/2" Lock Nut	1
50	ZF10231	10 - 32 x .50" Long Flat Head Socket Cap Scr.	3
51	ZF10241	3/8 - 16 x .75" Long Flat Head Socket Cap Scr.	2
51A	ZF10240	3/8 - 16 x .75" Long Hex Head Screw	2
52	114162	3/8 - 16 x .62" Long Hex Hd. Screw	2
53	ZF10251	5/16 - 24 x 1.25" Long Socket Head Cap Scr.	1
54	R-20082	Adjustable Handles (pair)	1
55	ZA10148	#10-24 x .25" Socket Hd. Set Screw	1
56	ZF10271	3/8 I.D. x 1.50" O.D. Fender Washer	1
60 *	R-10018	Timer Cord w/ Plug	1
61 *	R-10112	Straight Connector (APC-050)	2
62 *	107764	Flexible Conduit	1

RO-TAP® RX-29-E AND RO-TAP® RX-30-E MODELS

The Ro-Tap® Electronic Test Sieve Shaker operates with 8" or 12" diameter Test Sieves and offers precise sieving results. The compact, Ro-Tap® RX-29-E (8" Test Sieves) unit requires minimal space on a laboratory countertop. The Ro-Tap® RX-30-E (12" Test Sieves) model is a floor unit. Controls can be remotely mounted for convenient operation. The units are designed for light to medium testing applications.



The Standard Model Features:

- Controlled Constant Amplitude
- Digital Controls
- Quick Release Hold Downs
- Fine and Coarse Analysis Control Settings

Dimensions: Model E 8" (hold 9 full height or 15 half height w/pan)

Unit: 18" wide x 18" deep x 30" high (46cm x 46cm x 76 cm)

Shipping: 20" wide x 20" deep x 32" high (51cm x 51cm x 81cm)

Weight:

Unit: 80 lbs. (36 kg)

Shipping: 90 lbs. (41 kg)

Power Options: 110 v.
(220v pricing on request)

Dimensions: Model E 12" (hold 7 full height or 10 half height w/pan)

Unit: 15" wide x 17" deep x 38" high (38cm x 43cm x 96cm)

Shipping: 31" wide x 31" deep x 39" high (78cm x 78cm x 99cm)

Weight:

Unit: 117 lbs. (53 kg)

Shipping: 172 lbs. (78 kg)

Power Options: 110 v.
(220v pricing on request)

PART #	DESCRIPTION
RX-29-E	Electronic 8" Shaker
RX-30-E	Electronic 12" Shaker
560204	Threaded Clamping Rod
560210	Twin Nut Clamp
R-30033-E	Twin Nut Clamping System Kit

RO-TAP® SIEVE SHAKER MAINTENANCE KITS

To ensure lasting dependable service, Ro-Tap® Sieve Shakers must occasionally be upgraded with parts that are long-wearing, durable, and cost-effective. Maintenance kits are available for the replacement of parts due to normal wear and tear. W.S. Tyler recommends the use of these kits as a means to minimize down-time due to minor repairs. The purchase of a minor maintenance kit is also recommended with each new Ro-Tap® Sieve Shaker.

PART NO.	DESCRIPTION	INCLUDES
10121	RX-29, RX-30, & RX-94 RX-29, RX-30, & RX-94	2 Eccentric Discs (R-10034), 1 Flange Bushing (R-10061), 1 Bearing (R-10062), 1 Cork (R-10066A), and 2 Flange Bearings (R-10063)
10122	RX-29 Major Maintenance Kit	1 Minor Maintenance Kit (10121), 1 Timing Belt (R-10058), 1 Upper Carrying Plate (R-30008), 1 Cam Gear (R-20039), and 1 Timing Belt Pulley (R-30015)
10123	RX-94 Major Maintenance Kit	Kit Part No. 10122 except Upper Carrying Plate



DESIGNATION		BRASS FRAME — BRASS CLOTH		BRASS FRAME — STAINLESS CLOTH		STAINLESS FRAME — STAINLESS CLOTH	
U.S.A.	METRIC	FULL HT. PART #	HALF HT. PART #	FULL HT. PART #	HALF HT. PART #	FULL HT. PART #	HALF HT. PART #
4"	100 mm	—	—	4835	—	5167	—
3-1/2"	90 mm	—	—	4836	—	5168	—
3"	75 mm	—	—	4837	—	5169	—
2-1/2"	63 mm	—	—	4838	—	5170	—
2.12"	53 mm	—	—	4839	—	5171	—
2"	50 mm	—	—	4840	—	5172	—
1-3/4"	45 mm	—	—	4841	—	5173	—
1-1/2"	37.5 mm	—	—	4842	—	5174	—
1-1/4"	31.5 mm	—	—	4843	—	5175	—
1.06"	26.5 mm	—	—	4844	—	5176	—
1"	25.0 mm	—	—	4845	—	5177	—
7/8"	22.4 mm	—	—	4846	—	5178	—
3/4"	19.0 mm	—	—	4847	—	5179	—
5/8"	16.0 mm	—	—	4848	—	5180	—
.530"	13.2 mm	—	—	4849	—	5181	—
1/2"	12.5 mm	—	—	4850	—	5182	—
7/16"	11.2 mm	—	—	4851	—	5183	—
3/8"	9.5 mm	—	—	4852	—	5184	—
5/16"	8.0 mm	—	—	4853	—	5185	—
.265"	6.7 mm	—	—	4854	—	5186	—
1/4"	6.3 mm	—	—	4855	5021	5187	5353
No. 3-1/2	5.6 mm	4524	4690	4856	5022	5188	5354
No. 4	4.75 mm	4525	4691	4857	5023	5189	5355
No. 5	4.00 mm	4526	4692	4858	5024	5190	5356
No. 6	3.35 mm	4527	4693	4859	5025	5191	5357
No. 7	2.80 mm	4528	4694	4860	5026	5192	5358
No. 8	2.36 mm	4529	4695	4861	5027	5193	5359
No. 10	2.00 mm	4530	4696	4862	5028	5194	5360
No. 12	1.7 mm	4531	4697	4863	5029	5195	5361
No. 14	1.4 mm	4532	4698	4864	5030	5196	5362
No. 16	1.18 mm	4533	4699	4865	5031	5197	5363
No. 18	1.0 mm	4534	4700	4866	5032	5198	5364
No. 20	850 micron	4535	4701	4867	5033	5199	5365
No. 25	710 micron	4536	4702	4868	5034	5200	5366
No. 30	600 micron	4537	4703	4869	5035	5201	5367
No. 35	500 micron	4538	4704	4870	5036	5202	5368
No. 40	425 micron	4539	4705	4871	5037	5203	5369
No. 45	355 micron	4540	4706	4872	5038	5204	5370
No. 50	300 micron	4541	4707	4873	5039	5205	5371
No. 60	250 micron	4542	4708	4874	5040	5206	5372
No. 70	212 micron	4543	4709	4875	5041	5207	5373
No. 80	180 micron	4544	4710	4876	5042	5208	5374
No. 100	150 micron	4545	4711	4877	5043	5209	5375
No. 120	125 micron	4546	4712	4878	5044	5210	5376
No. 140	106 micron	4547	4713	4879	5045	5211	5377
No. 170	90 micron	4548	4714	4880	5046	5212	5378
No. 200	75 micron	4549	4715	4881	5047	5213	5379
No. 230	63 micron	4550	4716	4882	5048	5214	5380
No. 270	53 micron	4551	4717	4883	5049	5215	5381
No. 325	45 micron	4552	4718	4884	5050	5216	5382
No. 400	38 micron	4553	4719	4885	5051	5217	5383
No. 450	32 micron	—	—	4887	2113	5256	5389
No. 500	25 micron	—	—	4886	5052	5218	5384
No. 635	20 micron	—	—	2295	2296	5257	5391

- Overall Height – Full: 2-5/8"; Half: 1-5/8".
- Depth to Cloth – Full: 2"; Half: 1".
- Each Test Sieve is supplied with a Serial Number and a matching Test Sieve Certificate of Compliance.

TOP COVERS	
ITEM	PART #
Brass	8487
Brass w. Ring	8488
Stainless	8496
Stainless w. Ring	8497

BOTTOM PANS	
ITEM	PART #
Brass – Full Ht.	8481
Brass – Half Ht.	8482
Brass w. Skirt – Full Ht.	8483
Brass w. Skirt – Half Ht.	8484
Stainless – Full Ht.	8491
Stainless – Half Ht.	8492
Stainless w. Skirt – Full Ht.	
Stainless w. Skirt – Half Ht.	

12" DIAMETER TEST SIEVES

DESIGNATION		BRASS FRAME — BRASS CLOTH		BRASS FRAME — STAINLESS CLOTH			STAINLESS FRAME — STAINLESS CLOTH		
U.S.A.	METRIC	FULL HT. PART #	HALF HT. PART #	FULL HT. PART #	INTER. HT. PART #	HALF HT. PART #	FULL HT. PART #	INTER. HT. PART #	HALF HT. PART #
4"	100 mm	—	—	6967	7200	2297	6635	2300	6801
3-1/2"	90 mm	—	—	6968	7201	2298	6636	9109	6802
3"	75 mm	—	—	6969	7202	7135	6637	2155	6803
2-1/2"	63 mm	—	—	6970	7203	7136	6638	9281	6804
2.12"	53 mm	—	—	6971	7204	7137	6639	2301	6805
2"	50 mm	—	—	6972	7205	7138	6640	9282	6806
1-3/4"	45 mm	—	—	6973	7206	7139	6641	6705	6807
1-1/2"	37.5 mm	—	—	6974	7207	7140	6642	9193	6808
1-1/4"	31.5 mm	—	—	6975	7208	7141	6643	9194	6809
1.06"	26.5 mm	—	—	6976	7209	7142	6644	2302	6810
1"	25.0 mm	—	—	6977	7210	7143	6645	9195	6811
7/8"	22.4 mm	—	—	6978	7211	7144	6646	6704	6812
3/4"	19.0 mm	—	—	6979	7212	7145	6647	9196	6813
5/8"	16.0 mm	—	—	6980	7213	7146	6648	9411	6814
.530"	13.2 mm	—	—	6981	7214	7147	6649	9431	6815
1/2"	12.5 mm	—	—	6982	7215	7148	6650	9197	6816
7/16"	11.2 mm	—	—	6983	7216	7149	6651	6702	6817
3/8"	9.5 mm	—	—	6984	7217	7150	6652	9198	6818
5/16"	8.0 mm	—	—	6985	7218	7151	6653	6703	6819
.265"	6.7 mm	—	—	6986	7219	7152	6654	2303	6820
1/4"	6.3 mm	—	—	6987	7220	7153	6655	9199	6821
No.3-1/2	5.6 mm	6324	6490	6988	7221	7154	6656	2218	6822
No. 4	4.75 mm	6325	6491	6989	7222	7155	6657	9280	6823
No. 5	4.00 mm	6326	6492	6990	7223	7156	6658	9098	6824
No. 6	3.35 mm	6327	6493	6991	7224	7157	6659	9113	6825
No. 7	2.80 mm	6328	6494	6992	7225	7158	6660	9099	6826
No. 8	2.36 mm	6329	6495	6993	7226	7159	6661	9100	6827
No. 10	2.00 mm	6330	6496	6994	7227	7160	6662	9214	6828
No. 12	1.7 mm	6331	6497	6995	7228	7161	6663	9136	6829
No. 14	1.4 mm	6332	6498	6996	7229	7162	6664	9271	6830
No. 16	1.18 mm	6333	6499	6997	7230	7163	6665	9148	6831
No. 18	1.0 mm	6334	6500	6998	7231	7164	6666	9079	6832
No. 20	850 micron	6335	6501	6999	7232	7165	6667	9080	6833
No. 25	710 micron	6336	6502	7000	7233	7166	6668	9081	6834
No. 30	600 micron	6337	6503	7001	7234	7167	6669	9082	6835
No. 35	500 micron	6338	6504	7002	7235	7168	6670	9083	6836
No. 40	425 micron	6339	6505	7003	7236	7169	6671	9084	6837
No. 45	355 micron	6340	6506	7004	7237	7170	6672	9085	6838
No. 50	300 micron	6341	6507	7005	7238	7171	6673	9086	6839
No. 60	250 micron	6342	6508	7006	7239	7172	6674	9087	6840
No. 70	212 micron	6343	6509	7007	7240	7173	6675	9149	6841
No. 80	180 micron	6344	6510	7008	7241	7174	6676	9215	6842
No. 100	150 micron	6345	6511	7009	7242	7175	6677	9088	6843
No. 120	125 micron	6346	6512	7010	7243	7176	6678	9089	6844
No. 140	106 micron	6347	6513	7011	7244	7177	6679	9010	6845
No. 170	90 micron	6348	6514	7012	7245	7178	6680	9090	6846
No. 200	75 micron	6349	6515	7013	7246	7179	6681	9091	6847
No. 230	63 micron	6350	6516	7014	7247	7180	6682	9092	6848
No. 270	53 micron	6351	6517	7015	7248	7181	6683	9093	6849
No. 325	45 micron	6352	6518	7016	7249	7182	6684	9094	6850
No. 400	38 micron	—	—	7017	7250	7183	6685	9013	6851
No. 450	32 micron	—	—	2299	7251	2153	6762	2304	—
No. 500	25 micron	—	—	7018	7252	7184	6686	9212	6852

TOP COVERS	
ITEM	PART #
Brass	8530
Stainless	8536
Stainless w. Ring	8537

- Overall Height – Full: 4-1/4"; Intermediate: 3"; Half: 2-5/8".
- Depth to Cloth – Full: 3-1/4"; Intermediate: 2"; Half: 1-5/8".
- Each Test Sieve is supplied with a Serial Number and a matching Test Sieve Certificate of Compliance.

BOTTOM PANS	
ITEM	PART #
Brass – Full Ht.	8526
Brass – Half Ht.	8527
Brass w. Skirt – Full Ht.	8528
Brass w. Skirt – Half Ht.	8529
Stainless – Full Ht.	8532
Stainless – Half Ht.	8533
Stainless w. Skirt – Full Ht.	8534
Stainless w. Skirt – Half Ht.	8535

WET WASH TEST SIEVES

All Wet Wash Test Sieves are constructed with a brass frame and stainless steel sieve cloth.

ITEM	PRICE (\$)
8" Diameter Test Sieve with 4-5/8" overall height and 4-1/8" depth to cloth	U.S.A. #4 through #325 \$197.10

ITEM	PRICE (\$)
8" Diameter Test Sieve with 8-5/8" overall height and 8-1/8" depth to cloth	U.S.A. #4 through #325 \$197.10

ITEM	PRICE (\$)
3" Diameter Test Sieve with 4" overall height and 3-1/2" depth to cloth	U.S.A. #4 through #325 \$71.40

ITEM	PRICE (\$)
12" Diameter Test Sieve with 9" overall height and 8" depth to cloth	U.S.A. #4 through #325 \$262.60

- All test sieves above include drain holes in lower frame.
- Each Test Sieve is supplied with a Serial Number and matching Test Sieve Certificate of Compliance.
- 35 mesh backing is recommended for U.S.A. #200 and finer (Add \$30.00).
- See pages 12 & 13 for Value Added NIST Traceable Certification Services.



TEST SIEVE CLEANING BRUSHES



Nylon Model
For cleaning sieves having 120 mesh and finer.

Brass Model
For cleaning sieves having 100 mesh and coarser.

PART #	PRICE (\$)
8577 Nylon	19.55

PART #	PRICE (\$)
8576 Brass	19.55

Hoskin Scientific Limited has been supplying testing and monitoring instruments since 1946. Although our range is broad, we focus on three major markets including:

Geotechnical & Materials Testing
Environmental Monitoring
Test & Measurement Instrumentation

Hoskin Scientific operates out of four offices within Canada:

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