

# Tip Charts

## RAC X SwitchTips (LTXxxx)



		ORIFICE SIZE - INCHES																									
		.007	.009	.011	.013	.015	.017	.019	.021	.023	.025	.027	.029	.031	.033	.035	.037	.039	.041	.043	.045	.051	.055	.061	.065	.071	
Fan Width	2-4 (51-102)		109	111		115		217	219	221		225	227		231		235										
	4-6 (102-152)	207	209	211	213	215	317	319	321	323	325	327	329	331		335											
	6-8 (152-203)		309	311	313	315	317	319	321	323	325	327	329	331		335											
	8-10 (203-254)		409	411	413	415	417	419	421	423	425	427	429	431	433	435		439	441	443	445	451	455	561			
	10-12 (254-305)		509	511	513	515	517	519	521	523	525	527	529	531	533	535	537	539	541	543	545	551	555	561			
	12-14 (305-356)			611	613	615	617	619	621	623	625	627	629	631	633	635	637	639	641	643	645	651	655	661	665	671	
	14-16 (356-406)							817	819	821						735											
	16-18 (406-XXX)												827			835											
	Flow Rate (gpm)		.05	.09	.12	.18	.24	.31	.38	.47	.57	.67	.77	.90	1.03	1.17	1.31	1.47	1.63	1.8	1.98	2.17	2.79	3.25	4.0	4.53	5.41
	Flow Rate (lpm)		.20	.33	.49	.69	.91	1.17	1.47	1.79	2.15	2.54	2.96	3.42	3.90	4.42	4.98	5.56	6.18	6.83	7.51	8.23	10.57	12.29	15.12	17.17	20.48

Water @ 2000 psi (138 bar, 13.8 MPa) - paints with a higher viscosity will decrease the flow rate  
Example: for a tip with a .015 orifice and a 6 in (152 mm) pattern, order LTX315

## WideRAC RAC X SwitchTips (WRxxx)



		ORIFICE SIZE - INCHES									
		.021	.023	.025	.027	.029	.031	.033	.035	.037	.039
Fan Width	24 (610)	1221	1223	1225	1227	1229	1231	1233	1235	1237	1239
	Flow Rate (gpm)	.47	.57	.67	.77	.90	1.03	1.17	1.31	1.47	1.63
	Flow Rate (lpm)	1.79	2.15	2.54	2.96	3.42	3.90	4.42	4.98	5.56	6.18

Water @ 2000 psi (138 bar, 13.8 MPa) - paints with a higher viscosity will decrease the flow rate  
Example: for a tip with a .027 orifice and a 24 in (610 mm) pattern, order WR1227

WideRAC Conversion	
RAC 5 or RAC X	WideRAC
415 or 515	1221 or 1223
417 or 517	1223 or 1225
419 or 519	1225 or 1227
421 or 612	1229 or 1231
523 or 623	1233 or 1235
525 or 625	1235 or 1237

When you use WideRAC, be sure to increase the flow rate of the tip to ensure the same mil build and rate of application (arm speed). Also, make sure your airless sprayer can support the larger tip size.

## Fine Finish RAC X SwitchTips (FFTxxx)



		ORIFICE SIZE - INCHES			
		.008	.010	.012	.014
Fan Width	2-4 (51-102)	108	110	112	
	4-6 (102-152)	208	210	212	214
	6-8 (152-203)	308	310	312	314
	8-10 (203-254)		410	412	414
	10-12 (254-305)		510	512	514
	12-14 (305-356)			612	614
	Flow Rate (gpm)	.07	.11	.15	.21
Flow Rate (lpm)	.26	.41	.59	.80	

Water @ 2000 psi (138 bar, 13.8 MPa) - paints with a higher viscosity will decrease the flow rate  
Example: for a tip with a .010 orifice and a 8 in (203 mm) pattern, order FFT410

## RAC 5 SwitchTips (286xxx)



		ORIFICE SIZE - INCHES																						
		.007	.009	.011	.013	.015	.017	.019	.021	.023	.025	.027	.029	.031	.033	.035	.039	.043	.045	.051	.055	.063	.065	
Fan Width	2-4 (51-102)		109	111	113	115		119	121		223	225				235								
	4-6 (102-152)	207	209	211	213	215	217	219	211	223	225					235								
	6-8 (152-203)	307	309	311	313	315	317	319	321	323	325	327			331									
	8-10 (203-254)		409	411	413	415	417	419	421	423	425	427	429			433	435	439	443		451	455		
	10-12 (254-305)		509	511	513	515	517	519	521	523	525	527	529	531	533	535		543						
	12-14 (305-356)		609	611	613	615	617	619	621	623	625	627	629	631	633	635		645						
	14-16 (356-406)								721	723	725					735								
	16-18 (406-457)					815	817	819	821				827			835								
	18-20 (457-508)						917									935								
	Flow Rate (gpm)		.05	.09	.12	.18	.24	.31	.38	.47	.57	.67	.77	.90	1.03	1.17	1.31	1.63	1.98	2.17	2.79	3.25	4.26	4.53
Flow Rate (lpm)		.20	.33	.49	.69	.91	1.17	1.47	1.79	2.15	2.54	2.96	3.42	3.90	4.42	4.98	6.18	7.51	8.23	10.57	12.29	16.13	17.17	

Water @ 2000 psi (138 bar, 13.8 MPa) - paints with a higher viscosity will decrease the flow rate  
Example: for a tip with a .011 orifice and a 6 in (152 mm) pattern, order 286311

## LineLazer RAC 5 SwitchTips (LL5xxx)



		ORIFICE SIZE - INCHES													
		.013	.015	.017	.019	.021	.023	.025	.027	.029	.031	.033	.035	.039	.055
Line Width	2 (51)	213	215	217	219										
	4 (102)		315	317	319	321	323	325	327	329	331	333	335		355
	4-8 (102-204)			417	419	421	423	425	427	429	431		435		
	8-12 (204-305)					621	623	625	627	629	631		635	639	
	Flow Rate (gpm)	.18	.24	.31	.38	.47	.57	.67	.77	.90	1.03	1.17	1.31	1.63	3.25
Flow Rate (lpm)	.69	.91	1.17	1.47	1.79	2.15	2.54	2.96	3.42	3.90	4.42	4.98	6.18	12.29	

Water @ 2000 psi (138 bar, 13.8 MPa) - paints with a higher viscosity will decrease the flow rate  
Example: for a tip with a .015 orifice and a 4 in (102 mm) pattern, order LL5215.  
Fan width of a spray pattern is measured at 6 in (152 mm) from the surface

# Tip Charts

## XHD RAC SwitchTips

(XHDxxx)



### ORIFICE SIZE - INCHES

Fan Width	IN (MM)	ORIFICE SIZE - INCHES																					
		.007	.009	.011	.013	.015	.017	.019	.021	.023	.025	.027	.029	.031	.033	.035	.037	.039	.041	.043	.045	.047	.049
2-4 (51-102)	107	109	111	113	115	117	119	121									139						
4-6 (102-152)		209	211	213	215	217	219	221									239						
6-8 (152-203)	307	309	311	313	315	317	319	321									339	341	343	345	347		
8-10 (203-254)		409	411	413	415	417	419	421	423	425	427	429	431	433	435	437	439	441	443	445	447	449	
10-12 (254-305)		509	511	513	515	517	519	521	523	525	527	529	531	533	535	537	539	541	543	545	547	549	
12-14 (305-356)		609	611	613	615	617	619	621	623	625	627	629	631	633	635	637	639	641	643	645	647	649	
14-16 (356-406)			711	713	715	717	719	721	723	725	727	729	731	733	735	737	739	741	743				
16-18 (406-457)				813	815	817	819	821	823	825	827	829	831	833	835	837	839	841	843				
18-20 (457-508)									923		927		931	933	935	937	939						
Flow Rate (gpm)		.05	.09	.12	.18	.24	.31	.38	.47	.57	.67	.74	.90	1.03	1.17	1.31	1.47	1.63	1.8	1.98	2.17	2.37	2.58
Flow Rate (lpm)		.20	.33	.49	.69	.91	1.17	1.47	1.79	2.15	2.54	2.96	3.42	3.90	4.42	4.98	5.56	6.18	6.83	7.51	8.23	8.98	9.76

### ORIFICE SIZE - INCHES

Fan Width	IN (MM)	ORIFICE SIZE - INCHES											
		.051	.053	.055	.057	.059	.061	.063	.065	.067	.069	.071	.075
2-4 (51-102)													
4-6 (102-152)													
6-8 (152-203)	351		355										
8-10 (203-254)	451		455	459	461	463	465	467			471	475	481
10-12 (254-305)	551	553	555	557	561	563	565	567			571	575	
12-14 (305-356)	651		655	657	659	661	663	665	667	669	671	675	
14-16 (356-406)	751	753	755			761		767			771		
16-18 (406-457)	851		855			861	863	867					
18-20 (457-508)													
Flow Rate (gpm)		2.79	3.05	3.25	3.49	3.74	4.0	4.26	4.53	4.82	5.11	5.41	6.04
Flow Rate (lpm)		10.57	11.41	12.29	13.20	14.14	15.12	16.13	17.17	18.24	19.34	20.48	22.85

Water @ 2000 psi (138 bar, 13.8 MPa) - paints with a higher viscosity will decrease the flow rate  
 Example: for a tip with a .039 in orifice and a 10 in (254 mm) pattern, order GHD539

## Contractor Flat Tips

(269xxx)



### ORIFICE SIZE - INCHES

Fan Width	IN (MM)	ORIFICE SIZE - INCHES										
		.011	.013	.015	.017	.019	.021	.023	.025	.027	.029	.031
4-6 (102-152)	211	213	215	217	219			225	227			
6-8 (152-203)	311	313	315	317	319	321	323	325	327			
8-10 (203-254)	411	413	415	417	419	421	423	425	427			435
10-12 (254-305)	511	513	515	517	519	521	523	525	527		531	
12-14 (305-356)		613	615	617	619	621	623	625	627		631	635
14-16 (356-406)			715	717	719	721		725				
16-18 (406-457)			815		819	821			827	829	831	
18-20 (457-508)								925				
Flow Rate (gpm)		.12	.18	.24	.31	.38	.47	.57	.67	.74	.90	1.03
Flow Rate (lpm)		.49	.69	.91	1.17	1.47	1.79	2.15	2.54	2.96	3.42	3.90

Water @ 2000 psi (138 bar, 13.8 MPa) - paints with a higher viscosity will decrease the flow rate  
 Example: for a tip with a 0.011 in orifice and a 10 in (254 mm) pattern, order 269511

## Fine Finish Flat Tips

(163xxx)



### ORIFICE SIZE - INCHES

Fan Width	IN (MM)	ORIFICE SIZE - INCHES											
		.008	.010	.012	.014	.016	.018	.020	.022	.024	.026	.028	.030
2-4 (51-102)	108	110											
4-6 (102-152)	208	210	212	214	216	218			224				232
6-8 (152-203)		310	312	314	316	318	320	322	324				
8-10 (203-254)	408	410	412	414	416	418	420		424	426	428	430	432
10-12 (254-305)		510	512	514	516	518	520	522	524	526	528	530	
12-14 (305-356)		610	612	614	616	618	620	622	624	626	628		
14-16 (356-406)			712	714	716	718				726			
16-18 (406-457)				814	816	818	820	822	824	826	828		832
18-20 (457-508)			912	914				922	924	926			
Flow Rate (gpm)		.07	.11	.15	.21	.27	.35	.43	.52	.62	.73	.84	.97
Flow Rate (lpm)		.26	.41	.59	.80	1.04	1.32	1.63	1.97	2.34	2.75	3.19	3.66

Water @ 2000 psi (138 bar, 13.8 MPa) - paints with a higher viscosity will decrease the flow rate  
 Example: for a tip with a 0.010 in orifice and a 10 in (254 mm) pattern, order 163510

# Tip Guards

## TIP GUARDS



246215

RAC X HandTite™ Tip Guard

THREAD SIZE

7/8 in (22 mm)

GUN

Standard Graco thread

TIP

RAC X, FFT, WR

246437

RAC X HandTite Tip Guard

11/16 in (17.5 mm)

Older style Graco Pole Guns,  
Fits Competitive Guns with  
11/16 in threads

RAC X, FFT, WR



243161

RAC 5 HandTite Tip Guard

7/8 in (22 mm)

Standard Graco thread

RAC 5, RAC IV,  
RAC 5 LineLazer

243263

RAC 5 HandTite Tip Guard

11/16 in (17.5 mm)

Older style Graco Pole Guns

RAC 5, RAC IV,  
RAC 5 LineLazer



XHD001

XHD RAC Tip Guard

7/8 in (22 mm)

Standard Graco thread

XHD RAC



220251

Flat Tip Guard

7/8 in (22 mm)

Standard Graco thread

Contractor Flat Tips

220255

Flat Tip Guard

11/16 in (17.5 mm)

Older style Graco Pole Guns,  
Fits Competitive Guns with  
11/16 in threads

Contractor Flat Tips



220247

Fine Finish Flat Tip Guard

7/8 in (22 mm)

Standard Graco thread

Fine Finish Flat Tips

220249

Fine Finish Flat Tip Guard

11/16 in (17.5 mm)

Older style Graco Pole Guns,  
Fits Competitive Guns with  
11/16 in threads, Tip Filter  
Housings and Swivel Adapters

Fine Finish Flat Tips

# Seals and Gaskets

## TIP GASKETS AND SEAL KITS



246453  
243281

Compatible with most fluids; easy installation without tools  
RAC X OneSeals - 5 pack. Use only with RAC X SwitchTip and Guard  
RAC 5 OneSeals - 5 pack. Use only with RAC 5 SwitchTip and Guard



248936  
224081  
223373  
223374  
114049

RAC X Solvent Seal Kit – 5 pack  
RAC 5 & RAC IV Solvent Seal Kit – 5 pack  
Thin Tip Gaskets – 25 pack  
Thick Tip Gaskets – 25 pack  
O-Ring – use with tip gaskets to securely hold in place

## TIP BRUSHES



101891  
101892  
119799

Use to clean spray tips, filters and guns.  
3/8 in x 2.25 in (9.5 mm x 57.15 mm) nylon bristle  
5/8 in x 2.25 in (16 mm x 57.15 mm) nylon bristle  
3/8 in x 1 in (9.5 mm x 25.4 mm) nylon bristle