

Rex RPT Straight Sleeve Filament Bearings



Rex RPT Straight Sleeve Filament Bearings

Rexnord offers customers in the agri-farm, beverage & liquid, energy, food, marine, and material handling industries, Rex® RPT Straight Sleeve Filament Bearings, for quick-turnaround needs.

Ideal for a range of wet and dry applications, including aerial lifts, pallet and reach trucks, boat lifts, seeders, tillers, plows, sprayers, fillers and cappers, valves, and more, our bearings offer customers a competitive, economical solution. Additionally, customers count on Rexnord to deliver these in-stock, self-lubricating bearings in industry-leading turnaround times of five business days to three weeks.

Available in industry-standard dimensions (inside and outside diameter, and length), these bearings are backed by our trusted engineering expertise to support you in selecting the right product for your application.

General bearing information includes:

- Typical dynamic loading from 500 to 12,000 psi
- Operating temperatures from -320 degrees to 325 degrees Fahrenheit (-195.60 to 162.78 C)
- Static and dynamic coefficient from .12 to .06

Interchange Guide® — 1/8-inch wall dimension

Bore Size	Rex RPT Straight Sleeve Filament Bearing			GGB			Polygon			Bunting			TriStar		
	Part Number	Inside Diameter inches	Outside Diameter inches	Part Number	Inside Diameter inches	Outside Diameter inches	Part Number	Inside Diameter inches	Outside Diameter inches	Part Number	Inside Diameter inches	Outside Diameter inches	Part Number	Inside Diameter inches	Outside Diameter inches
1/2	7GP1-0812	0.506	0.7525	GF0812	0.5040	0.7515	PWR08M12	0.5058	0.7525	BSF0812	0.5020	0.7505	CJ08E12	0.5020	0.7505
		0.507	0.7535		0.5070	0.7534		0.5088	0.7545		0.5040	0.7515		0.5040	0.7515
5/8	7GP1-1014	0.631	0.8775	GF1014	0.6290	0.8765	PWR10M14	0.6309	0.8776	BSF1014	0.6270	0.8755	CJ10E14	0.6270	0.8755
		0.632	0.8785		0.6320	0.8785		0.6339	0.8796		0.6290	0.8765		0.6290	0.8765
3/4	7GP1-1216	0.756	1.0025	GF1216	0.7540	1.0015	PWR12M16	0.7560	1.0026	BSF1216	0.7525	1.0005	CJ12E16	0.7525	1.0005
		0.757	1.0035		0.7570	1.0035		0.7590	1.0046		0.7555	1.0025		0.7555	1.0025
7/8	7GP1-1418	0.881	1.1275	GF1418	0.8790	1.1265	PWR14M18	0.8811	1.1277	BSF1418	0.8775	1.1255	CJ14E18	0.8775	1.1255
		0.882	1.1285		0.8820	1.1285		0.8841	1.1297		0.8805	1.1275		0.8805	1.1275
1	7GP1-1620	1.006	1.2525	GF1620	1.0040	1.2515	PWR16M20	1.0062	1.2527	BSF1620	1.0025	1.2505	CJ16E20	1.2505	1.2505
		1.007	1.2535		1.0070	1.2535		1.0092	1.2547		1.0055	1.2525		1.2525	1.2525
1 1/8	7GP1-1822	1.131	1.3775	GF1822	1.1290	1.3765	PWR18M22	1.1314	1.3778	BSF1822	1.1305	1.3765	CJ18E22	1.1305	1.3765
		1.132	1.3785		1.1320	1.3785		1.1344	1.3798		1.1335	1.3785		1.1335	1.3785
1 1/4	7GP1-2024	1.256	1.5025	GF2024	1.2540	1.5015	PWR20M24	1.2564	1.5028	BSF2024	1.2525	1.5005	CJ20E24	1.2525	1.5005
		1.257	1.5035		1.2570	1.5035		1.2594	1.5048		1.2555	1.5025		1.2555	1.5025
1 3/8	7GP1-2226	1.381	1.6275	GF2226	1.3790	1.6265	PWR22M26	1.3816	1.6279	BSF2226	1.3790	1.6265	CJ22E26	1.3790	1.6265
		1.382	1.6285		1.3820	1.6285		1.3856	1.6299		1.3830	1.6285		1.3830	1.6285
1 1/2	7GP1-2428	1.506	1.7525	GF2428	1.5040	1.7515	PWR24M28	1.5067	1.7529	BSF2428	1.5040	1.7515	CJ24E28	1.5040	1.7515
		1.507	1.7535		1.5070	1.7535		1.5107	1.7549		1.5080	1.7535		1.5080	1.7535
1 5/8	7GP1-2630	1.631	1.8775	GF2630	1.6290	1.8765	PWR26M30	1.6318	1.8780	BSF2630	1.6290	1.8765	CJ26E30	1.6290	1.8765
		1.632	1.8785		1.6320	1.8785		1.6358	1.8800		1.6330	1.8785		1.6330	1.8785
1 3/4	7GP1-2832	1.757	2.0025	GF2832	1.7550	2.0015	PWR28M32	1.7569	2.0030	BSF2832	1.7540	2.0015	CJ28E32	1.7540	2.0015
		1.758	2.0035		1.7580	2.0035		1.7609	2.0050		1.7580	2.0035		1.7580	2.0035
1 7/8	7GP1-3034	1.882	2.1275	GF3034	1.8800	2.1265	PWR30M34	1.882	2.1281	BSF3034	—	—	—	—	—
		1.883	2.1285		1.8830	2.1285		1.886	2.1301		—	—		—	—
2	7GP1-3236	2.0085	2.2535	GF3236	2.0055	2.2525	PWR32M36	2.0071	2.2531	BSF3236	2.0040	2.2515	CJ32E36	2.0040	2.2515
		2.0095	2.2545		2.0095	2.2545		2.0111	2.2551		2.0080	2.2535		2.0080	2.2535
2 1/8	7GP1-3438	2.1335	2.3785	GF3438	2.1305	2.3775	PWR34M38	2.1333	2.3792	BSF3438	—	—	—	—	—
		2.1345	2.3795		2.1345	2.3795		2.1373	2.3812		—	—		—	—
2 1/4	7GP1-3640	2.2585	2.5035	GF3640	2.2555	2.5025	PWR36M40	2.2583	2.5042	BSF3640	2.2540	2.5020	CJ36E40	2.2540	2.5020
		2.2595	2.5045		2.2595	2.5045		2.2623	2.5062		2.2580	2.5040		2.2580	2.5040
2 3/8	7GP1-3842	2.3835	2.6285	GF3842	2.3805	2.6275	PWR38M42	2.3835	2.6293	BSF3842	2.3810	2.6270	CJ38E42	2.3810	2.6270
		2.3845	2.6295		2.3845	2.6295		2.3875	2.6313		2.3845	2.6290		2.3850	2.6290
2 1/2	7GP1-4044	2.509	2.7535	GF4044	2.5060	2.7525	PWR40M44	2.5086	2.7543	BSF4044	2.5060	2.7520	CJ40E44	2.5060	2.7520
		2.510	2.7545		2.5100	2.7545		2.5126	2.7563		2.5100	2.7540		2.5100	2.7540
2 3/4	7GP1-4448	2.759	3.004	GF4448	2.7560	3.0030	PWR44M48	2.7588	3.0044	BSF4448	2.7580	3.0020	CJ44E48	2.6330	2.8770
		2.760	3.005		2.7600	3.0050		2.7628	3.0064		2.7620	3.0040		2.6370	2.8790
3	7GP1-4852	3.0080	3.254	GF4852	3.0065	3.2530	PWR48M52	3.009	3.2545	BSF4852	3.0100	3.2520	CJ48E52	3.0100	3.2520
		3.0105	3.255		3.0105	3.2550		3.013	3.2565		3.0140	3.2540		3.0140	3.2540
3 1/4	7GP1-5256	3.2580	3.5045	GF5256	3.2565	3.5035	PWR52M56	3.2592	3.5046	BSF5256	3.2600	3.5020	CJ52E56	3.2600	3.5020
		3.2605	3.5055		3.2605	3.5055		3.2632	3.5066		3.2640	3.5040		3.2640	3.5040
3 1/2	7GP1-5660	3.5080	3.7545	GF5660	3.5065	3.7533	PWR56M60	3.5095	3.7547	BSF5660	3.5100	3.7520	CJ56E60	3.5100	3.7520
		3.5105	3.7555		3.5105	3.7535		3.5135	3.7467		3.5140	3.7540		3.5140	3.7540
3 3/4	7GP1-6064	3.7580	4.0045	GF6064	3.7565	4.0035	PWR60M64	3.7597	4.0048	BSF6064	3.7500	4.0020	CJ60E64	3.7600	4.0020
		3.7605	4.0055		3.7605	4.0055		3.7637	4.0068		3.7640	4.0040		3.7640	4.0040
4	7GP1-6468	4.011	4.256	GF6468	4.0090	4.2540	PWR64M68	4.0099	4.2549	BSF6468	4.0100	4.2520	CJ64E68	4.0010	4.2520
		4.014	4.257		4.0140	4.2570		4.0139	4.2569		4.0140	4.2540		4.0140	4.2540
4 1/4	7GP1-6872	4.261	4.506	GF6872	4.2590	4.5040	PWR68M72	4.2601	4.505	BSF6872	4.2600	4.5020	CJ64E72	4.2600	4.5020
		4.264	4.507		4.2640	4.5070		4.2641	4.507		4.2640	4.5040		4.2640	4.5010
4 1/2	7GP1-7276	4.511	4.756	GF7276	4.5090	4.7540	PWR72M76	4.5104	4.7551	BSF7276	4.5100	4.7520	CJ72E76	4.5100	4.7520
		4.514	4.757		4.5140	4.7570		4.5144	4.7471		4.5140	4.7540		4.5140	4.7540
4 3/4	7GP1-7680	4.761	5.006	GF7680	4.7590	5.0040	PWR76M80	4.7606	5.0052	BSF7680	4.7600	5.0020	CJ76E80	4.7600	5.0020
		4.764	5.007		4.7640	5.0070		4.7646	5.0072		4.7640	5.0040		4.7640	5.0040
5	7GP1-8084	5.0105	5.256	GF8084	5.0090	5.2540	PWR80M84	5.0108	5.2553	BSF8084	5.0100	5.2520	CJ80E84	5.0010	5.2520
		5.0140	5.257		5.0140	5.2570		5.0148	5.2573		5.0140	5.2540		5.0140	5.2540

® Rex RPT Straight Sleeve Filament Bearings are offered only in imperial sizes as outlined in the chart above.

Choose Rex RPT Straight Sleeve Filament Bearings for:

- **Range of in-stock standard diameter sizes, lengths and wall dimension options** — diameter sizes range from a 1/2 inch to 5 inches; lengths are available in 1/4-inch increments (up to 18 inches); choose from 1/8- and 1/4-inch wall dimensions (imperial sizes offered only).
- **Unique composition** — the non metallic design combination of Teflon®* fiber, fiberglass and resin offer a corrosion-, moisture-, seizure-, chemical- and fretting-resistant product, providing reduced downtime and improved productivity.
- **Lightweight solution** — maintenance costs are reduced while providing 77 percent less weight than steel bearings and 30 percent less weight than aluminum bearings. Offer easier handling and overall reduced equipment weight for an extra-long life.
- **Rugged performance** — the self-lubricated design maintains peak performance throughout the product life while the non metallic design combination is an alternative to metallic bushings that require lubrication in low-moderate load applications.

Interchange Guide® — 1/4-inch wall dimension

Bore Size	Rex RPT Straight Sleeve Filament Bearing			GGB			Polygon			Bunting			TriStar		
	Part Number	Inside Diameter inches	Outside Diameter inches	Part Number	Inside Diameter inches	Outside Diameter inches	Part Number	Inside Diameter inches	Outside Diameter inches	Part Number	Inside Diameter inches	Outside Diameter inches	Part Number	Inside Diameter inches	Outside Diameter inches
1/2	7GP1-0816	0.506	1.0025	GF0816	0.5040	1.0015	PWR08G16	0.5058	1.0025	BSF0816	0.5020	1.0005	CJ08E16	0.5020	1.0005
		0.507	1.0035		0.5070	1.0035		0.5088	1.0045		0.5040	1.0025		0.5040	1.0025
5/8	7GP1-1018	0.631	1.1275	GF1018	0.6290	1.1265	PWR10G18	0.6309	1.1276	BSF1018	0.6270	1.1255	CJ10E18	0.6270	1.1255
		0.632	1.1285		0.6320	1.1285		0.6339	1.1296		0.6290	1.1250		0.6290	1.1275
3/4	7GP1-1220	0.756	1.2525	GF1220	0.7540	1.2515	PWR12G20	0.7560	1.2526	BSF1220	0.7525	1.2505	CJ12E20	0.7525	1.2505
		0.757	1.2535		0.7570	1.2535		0.7590	1.2546		0.7555	1.2525		0.7555	1.2525
7/8	7GP1-1422	0.881	1.3775	GF1422	0.8790	1.3765	PWR14G22	0.8811	1.3777	BSF1422	0.8775	1.3765	CJ14E22	0.8775	1.3765
		0.882	1.3785		0.8820	1.3785		0.8841	1.3797		0.8805	1.3785		0.8805	1.3785
1	7GP1-1624	1.006	1.5025	GF1624	1.0040	1.5015	PWR16G24	1.0062	1.5027	BSF1624	1.0025	1.5005	CJ16E24	1.0025	1.5005
		1.007	1.5035		1.0070	1.5035		1.0092	1.5047		1.0055	1.5025		1.0055	1.5025
1 1/8	7GP1-1826	1.131	1.6275	GF1826	1.1290	1.6265	PWR18G26	1.1314	1.6278	BSF1826	1.1305	1.6265	CJ18E26	1.1305	1.6265
		1.132	1.6285		1.1320	1.6285		1.1344	1.6298		1.1135	1.6285		1.1335	1.6285
1 1/4	7GP1-2028	1.256	1.7525	GF2028	1.2540	1.7515	PWR20G28	1.2564	1.7528	BSF2028	1.2525	1.7515	CJ20E28	1.2525	1.7515
		1.257	1.7535		1.2570	1.7535		1.2594	1.7548		1.2555	1.7535		1.2555	1.7535
1 3/8	7GP1-2230	1.381	1.8775	GF2230	1.3790	1.8765	PWR22G30	1.3816	1.8779	BSF2230	1.3790	1.8765	CJ22E30	1.3790	1.8765
		1.382	1.8785		1.3820	1.8785		1.3856	1.8799		1.3830	1.8785		1.3830	1.8785
1 1/2	7GP1-2432	1.506	2.0025	GF2432	1.5040	2.0015	PWR24G32	1.5067	2.0029	BSF2432	1.5040	2.0015	CJ24E32	1.5040	2.0015
		1.507	2.0035		1.5070	2.0035		1.5107	2.0049		1.5080	2.0035		1.5080	2.0035
1 5/8	7GP1-2634	1.631	2.1275	GF2634	1.6290	2.1265	PWR26G34	1.6318	2.1280	BSF2634	1.6290	2.1265	CJ24E34	1.6290	2.1265
		1.632	2.1285		1.6320	2.1285		1.6358	2.1300		1.6330	2.1285		1.6330	2.1285
1 3/4	7GP1-2836	1.757	2.2535	GF2836	1.7550	2.2525	PWR28G36	1.7569	2.2530	BSF2836	1.7540	2.2515	CJ28E36	1.7540	2.2515
		1.758	2.2545		1.7580	2.2545		1.7609	2.2550		1.7580	2.2535		1.7580	2.2535
1 7/8	7GP1-3038	1.882	2.3785	GF3038	1.8800	2.3775	PWR30G38	1.882	2.3781	BSF3038	—	—	—	—	—
		1.883	2.3795		1.8830	2.3795		1.886	2.3801		—	—		—	—
2	7GP1-3240	2.0085	2.5035	GF3240	2.0065	2.5025	PWR32G40	2.0071	2.5031	BSF3240	2.0040	2.5020	CJ32E40	2.0040	2.5020
		2.0095	2.5045		2.0095	2.5045		2.0111	2.5051		2.0080	2.5040		2.0080	2.5040
2 1/8	7GP1-3442	2.1335	2.6285	GF3442	2.1305	2.6275	PWR34G42	2.1333	2.6292	BSF3442	—	—	—	—	—
		2.1345	2.6295		2.1345	2.6295		2.1373	2.6312		—	—		—	—
2 1/4	7GP1-3644	2.2585	2.7535	GF3644	2.2555	2.7525	PWR36G44	2.2583	2.7542	BSF3644	2.2540	2.7520	CJ36E44	2.2540	2.7520
		2.2595	2.7545		2.2595	2.7545		2.2623	2.7562		2.2580	2.7540		2.2580	2.7540
2 3/8	7GP1-3846	2.3835	2.8785	GF3846	2.3805	2.8775	PWR38G46	2.3835	2.8793	BSF3846	2.3810	2.8770	CJ38E46	2.3810	2.8770
		2.3845	2.8795		2.3845	2.8795		2.3875	2.8813		2.3850	2.8790		2.3850	2.8790
2 1/2	7GP1-4048	2.509	3.004	GF4048	2.506	3.003	PWR40G48	2.5086	3.0043	BSF4048	2.5060	3.0020	CJ40E48	2.5060	3.0020
		2.510	3.005		2.51	3.005		2.5126	3.0063		2.5100	3.0040		2.5100	3.0040
2 3/4	7GP1-4452	2.759	3.254	GF4452	2.756	3.253	PWR44G52	2.7588	3.2544	BSF4452	2.7580	3.2520	CJ44E52	2.7580	3.2520
		2.760	3.255		2.76	3.255		2.7628	3.2564		2.7620	3.2540		2.7620	3.2540
3	7GP1-4856	3.0080	3.5045	GF4856	3.0065	3.5035	PWR48G56	3.009	3.5045	BSF4856	3.0100	3.5020	CJ48E56	3.0100	3.5020
		3.0105	3.5055		3.0105	3.5055		3.013	3.5065		3.0140	3.5040		3.0140	3.5040
3 1/4	7GP1-5260	3.2580	3.7545	GF5260	3.2565	3.7535	PWR52M60	3.2592	3.7546	BSF5260	3.2600	3.7520	CJ52E60	3.2600	3.7520
		3.2605	3.7555		3.2605	3.7555		3.2632	3.7566		3.2640	3.7540		3.2640	3.7540
3 1/2	7GP1-5664	3.5080	4.0045	GF5664	3.5065	4.0035	PWR56G64	3.5095	4.0047	BSF5664	3.5100	4.0020	CJ56E64	3.5100	4.0020
		3.5105	4.0055		3.5105	4.0055		3.5135	4.0067		3.5140	4.0040		3.5140	4.0040
3 3/4	7GP1-6068	3.7580	4.2545	GF6068	3.7565	4.2535	PWR60G68	3.7597	4.2548	BSF6068	3.7600	4.2520	CJ60E68	3.7600	4.2520
		3.7605	4.2555		3.7605	4.2555		3.7637	4.2568		3.7640	4.2540		3.7640	4.2540
4	7GP1-6472	4.011	4.506	GF6472	4.009	4.504	PWR64G72	4.0099	4.5049	BSF6472	4.0100	4.5020	CJ64E72	4.0100	4.5020
		4.014	4.507		4.014	4.507		4.0139	4.5069		4.0140	4.5040		4.0140	4.5040
4 1/4	7GP1-6876	4.261	4.756	GF6876	4.259	4.754	PWR68G76	4.2601	4.755	BSF6876	4.2600	4.7520	CJ68E76	4.2600	4.7520
		4.264	4.757		4.264	4.757		4.2641	4.757		4.2640	4.7540		4.2640	4.7540
4 1/2	7GP1-7280	4.511	5.006	GF7280	4.509	5.004	PWR72G80	4.5104	5.0051	BSF7280	4.5100	5.0020	CJ72E80	4.5100	5.0020
		4.514	5.007		4.514	5.007		4.5144	5.0071		4.5140	5.0040		4.5140	5.0040
4 3/4	7GP1-7684	4.761	5.256	GF7684	4.759	5.254	PWR76G84	4.7606	5.2552	BSF7684	4.7600	5.2520	CJ76E84	4.7600	5.2520
		4.764	5.257		4.764	5.257		4.7646	5.2572		4.7640	5.2540		4.7640	5.2540
5	7GP1-8092	5.0105	5.506	GF8092	5.009	5.504	PWR80G88	5.0108	5.5053	BSF8088	5.0100	5.5020	CJ80E88	5.0100	5.5020
		5.0140	5.507		5.014	5.507		5.0148	5.5073		5.0140	5.5040		5.0140	5.5040

® Rex RPT Straight Sleeve Filament Bearings are offered only in imperial sizes as outlined in the chart above.

*Teflon® is a registered trademark of E.I. DuPont DeNemours and Co.

To learn more about Rex RPT Straight Sleeve Filament Bearings, and how they can support you in your application, call the Rexnord Bearing Technical Support team at 317-273-5781.



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Why Choose Rexnord?

When it comes to providing highly engineered products that improve productivity and efficiency for industrial applications worldwide, Rexnord is the most reliable in the industry. Commitment to customer satisfaction and superior value extend across every business function.

Delivering Lowest Total Cost of Ownership

The highest quality products are designed to help prevent equipment downtime and increase productivity and dependable operation.

Valuable Expertise

An extensive product offering is accompanied by global sales specialists, customer service and maintenance support teams, available anytime.

Solutions to Enhance Ease of Doing Business

Commitment to operational excellence ensures the right products at the right place at the right time.

REXNORD

Rexnord Company Overview

Rexnord is a growth-oriented, multi-platform industrial company with leading market shares and highly trusted brands that serve a diverse array of global end markets.

Process & Motion Control

The Rexnord Process & Motion Control platform designs, manufactures, markets and services specified, highly engineered mechanical components used within complex systems where our customers' reliability requirements and the cost of failure or downtime are extremely high.

Water Management

The Rexnord Water Management platform designs, procures, manufactures and markets products that provide and enhance water quality, safety, flow control and conservation.