



PRODUCTS THAT CONFORM TO EUROPEAN AND GLOBAL STANDARDS

ADVANCED HYDRAULIC AND PNEUMATIC SEALING TECHNOLOGY



BARNWELL
THE SEAL OF APPROVAL



Total Sealing Solutions

Founded in 1972, M Barnwell Services is a family business that prides itself on providing expert industry knowledge, technical expertise, products and services to over 5,000 customers globally – quickly and reliably. Our range of fluid sealing products include O Rings, Oil Seals / Rotary Shaft Seals, Hydraulic and Pneumatic Seals, Gaskets, Fasteners, Sealing Kits, Special Rubber Mouldings and many more.

We aim to work in partnership with you to reduce your supplier base, inventory and long-term costs. Applying our unique product knowledge to your specific needs, we will always offer the right sealing solution for your industry and application.

M Barnwell Services range of services include:

- ❖ Stocking & Supplying a vast and diverse product range – over 35,000 stock lines
- ❖ An efficient logistical capability offering International coverage
- ❖ Industry leading bespoke Branding and Packaging technology
- ❖ Full documentation service and manufacturer guarantees
- ❖ Strategic partnerships with large Blue Chip customers and leading worldwide brands
- ❖ Seal Maker and Clean Room services that are tailor-made to the customer's needs
- ❖ A dedicated Export Department – providing sealing solutions to over 60 countries

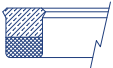
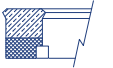
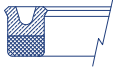

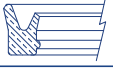




PROFILE INFORMATION






PISTON SEALS

PROFILE	DESIGN	REFERENCE	P.S.I./BAR	MATERIAL	CYLINDER DIA.	SIZE LISTING
	P1	FS (imperial)	PSI 3000	NBR + FABRIC	1/2 - 20	FS (CxGxL)
		FSM (metric)	BAR 200		13 - 490	FSM (GxCxL)
	P1	FSO	PSI 6000	NBR + FABRIC +ACETAL	1 - 8 1/2	FSO (CxGxL)
		FSOM	BAR 400		25 - 360	FSOM (GxCxL)
	P1	FGS	PSI 3000	NBR + FABRIC	1 - 7	FGS (CxGxL)
		FGSM	BAR 200		40 - 110	FGSM (GxCxL)
	P1	FGSO	PSI 6000	NBR + FABRIC +ACETAL	1 1/8 - 7	FGSO (CxGxL)
		FGSOM	BAR 400		32 - 200	FGSOM (GxCxL)
	P2	FS-W	PSI 6000	NBR + FABRIC +ACETAL	1 - 7 1/4	FS (CxGxL)W
		FSM-W	BAR 400		25 - 140	FSM (GxCxL)W
	P2	FGS	PSI 6000	NBR + FABRIC +ACETAL	1 1/8 - 7	FGS (CxGxL)W
		FGSM-W	BAR 400		50 - 142	FGSM (GxCxL)W
	P2	FS-L	PSI 6000	NBR + FABRIC +ACETAL	1 - 7	FS (CxGxL)L
		FSM-L	BAR 400		25 - 280	FSM (GxCxL)L
	P1	PU	PSI 6000	POLYURETHANE	9/16 - 14	PU (CxGxL)
		PUM	BAR 400		10 - 360	PUM (GxCxL)
	P1	BVP	PSI 10000	NBR + FABRIC OR ACETAL	15/16 - 26	BVP (CxGxL)
		MBVP	BAR 700		22 - 600	MBVP (GxCxL)
	P1	U	PSI 2000	NBR	5/16 - 20	U (CxGxL)
		UM	BAR 150		10 - 500	UM (GxCxL)
	P1	FU	PSI 2600 BAR 180	NBR + FABRIC	5/8 - 10 1/2	FU (CxGxL)
	P1	DE	PSI 1500	NBR	3/8 - 14	DE (CxGxL)
		DEM	BAR 100		12 - 250	DEM (GxCxL)
	P1	FD	PSI 3000	NBR + FABRIC	3/4 - 16	FD (CxGxL)
		FDM	BAR 200		25 - 580	FDM (GxCxL)
	P3	FD-W	PSI 6000	NBR + FABRIC +ACETAL	1 - 9 1/2	FD (CxGxL)W
		FDM-W	BAR 400		25 - 250	FDM (GxCxL)W
	P3	FD-L	PSI 6000	NBR + FABRIC +ACETAL	3/4 - 10	FD (CxGxL)L
		FDM-L	BAR 400		25 - 280	FDM (GxCxL)L
	P4	OPI	PSI 6000	NBR + POLYESTER +ACETAL	1 - 8	OPI (CxGxL)W
		OPM	BAR 400		25 - 320	OPM (GxCxL)W
	P4	OPI	PSI 3000	NBR + POLYESTER +ACETAL	1 - 4	OPI (CxGxL)L
		OPM	BAR 200		25 - 125	OPM (GxCxL)L
	P4	SDM	PSI 6000 BAR 400	NBR + FABRIC +ACETAL	25 - 250	SDM (GxCxL)L
	P5	MBFC	PSI 2500 BAR 170	NBR + FABRIC	5/8 - 8 1/4	MBFC (CxGxL)
					40 - 95	MBFC (GxCxL)
	P5	MBRC	PSI 500 BAR 35	NBR	1/4 - 16	MBRC (CxGxL)
					8 - 550	MBRC (GxCxL)









ROD SEALS

PROFILE	DESIGN	REFERENCE	P.S.I./BAR	MATERIAL	ROD DIA.	SIZE LISTING
	R1	FS (imperial)	PSI 3000	NBR + FABRIC	3/16 - 18	FS (GxRxL)
		FSM (metric)	BAR 200		6 - 450	FSM (RxGxL)
	R1	FSI	PSI 6000	NBR + FABRIC + ACETAL	5/16 - 6 1/2	FSI (GxRxL)
		FSIM	BAR 400		12 - 340	FSIM (RxGxL)
	R1	FGS	PSI 3000	NBR + FABRIC	5/8 - 6	FGS (GxRxL)
		FGSM	BAR 200		30 - 90	FGSM (RxGxL)
	R1	PU	PSI 6000	POLYURETHANE	1/4 - 12	PU (GxRxL)
		PUM	BAR 400		5 - 400	PUM (RxGxL)
	R1	PDI	PSI 6000	POLYURETHANE	3/8 - 10	PDI (GxRxL)
		PDIM	BAR 400		4 - 360	PDIM (RxGxL)
	R1	U	PSI 2000	NBR	1/8 - 18 1/2	U (GxRxL)
		UM	BAR 150		2 - 450	UM (RxGxL)
	R1	FU	PSI 2600	NBR + FABRIC	1/4 - 9 1/4	FU (GxRxL)
			BAR 180			
	R1	DI	PSI 2000	NBR	1/8 - 9	DI (GxRxL)
		DIM	BAR 150		3 - 180	DIM (RxGxL)
	R3	BVP	PSI 10000	NBR + FABRIC OR ACETAL	1/2 - 24	BVP (GxRxL)
		MBVP	BAR 700		12 - 600	MBVP (RxGxL)

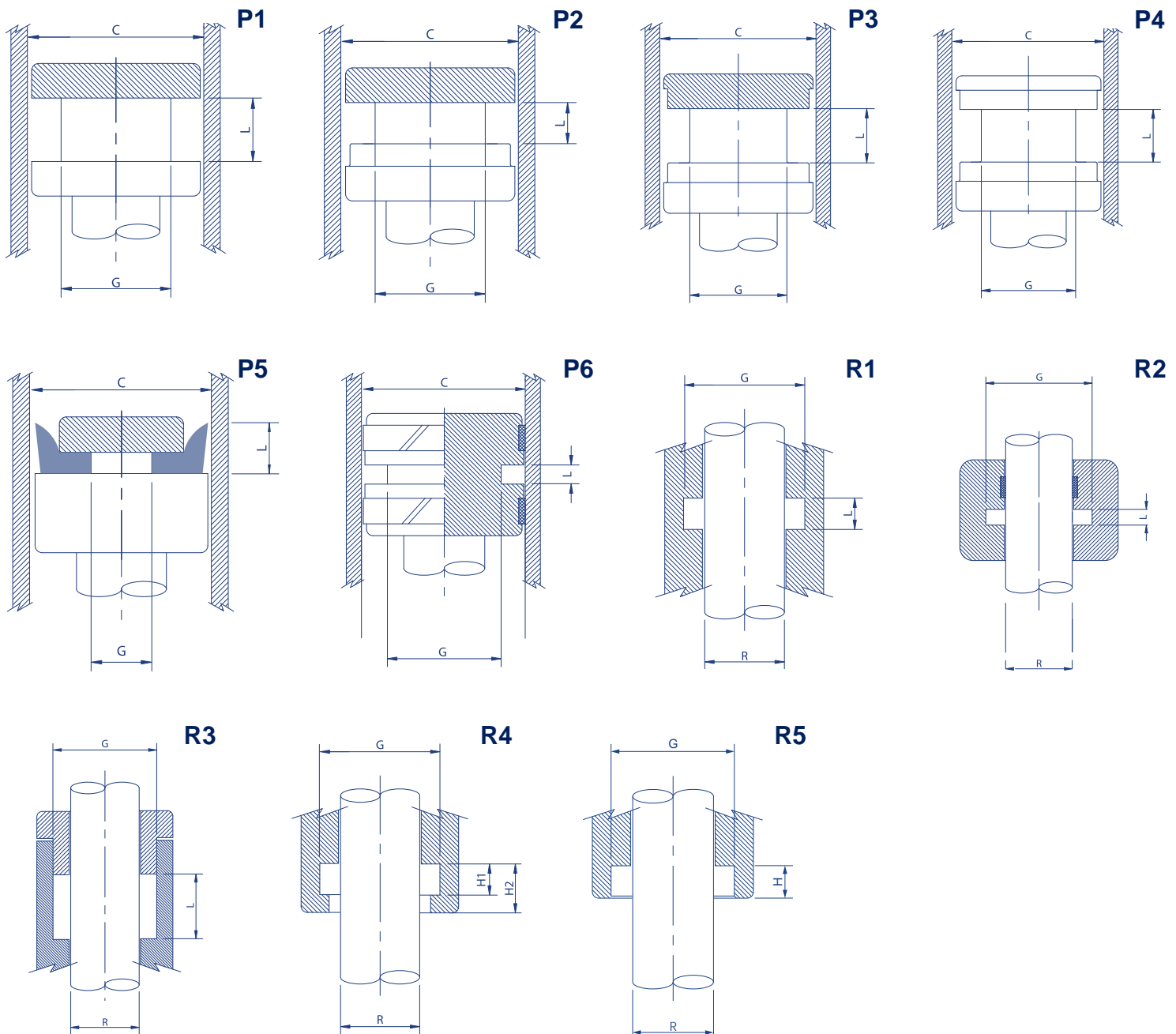
COMPOSITE SEALS

	P6	CPS	PSI 6000	FILLED PTFE	1/4 - 20	CPS (CxGxL)
	R2	CRS	BAR 400	+ ENERGISER	3 - 500	CRS (RxGxL)
	P6	CPS	PSI 6000	FILLED PTFE	3/8 - 20	CPS (CxGxL)
	R2	CRS	BAR 400	+ ENERGISER	8 - 500	CRS (RxGxL)
	P6	CPS	PSI 6000	POLYURETHANE	2 - 5	CPS (CxGxL)
			BAR 400	+ ENERGISER	20 - 200	

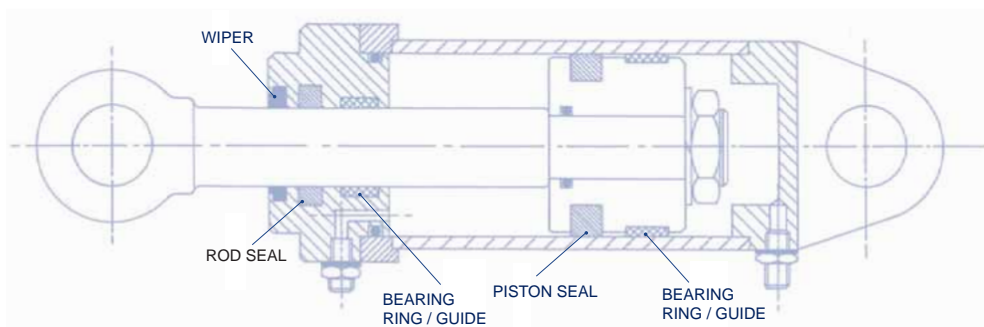
WIPER SEALS

	R4	MBW		NBR	3/8 - 8	MBW (RxGxH)
	R4	MBWO		NBR	1/2 - 8	MBWO (RxGxH)
	R4	MBWM		NBR OR POLYURETHANE	3/4 - 5	MBWM (RxGxH1xH2)
					12 - 200	MBWM (RxGxH1xH2)
	R4	MBWS		NBR	5/8 - 6	MBWS (RxGxH1xH2)
					16 - 150	MBWS (RxGxH1xH2)
	R4	MBY		POLYACETAL	3/8 - 18	MBY (RxGxH1xH2)
		MBYM			12 - 450	MBYM (RxGxH1xH2)
	R4	MBA1		NBR	4 - 500	MBA1 (RxGxH1xH2)
	R5	AS		NBR OR POLYURETHANE	1/2 - 4	AS (RxGxH)
				+ STEEL	6 - 400	
	R5	RS		NBR OR POLYURETHANE	3/4 - 4	RS (RxGxH)
				+ STEEL	6 - 220	

DESIGNS



In addition to the standard seal profiles shown here, Barnwell stock a substantial range of other sealing products, including Wear Rings in various material - Far Eastern and American product ranges, plus non standard designs. This allows Barnwell to offer the complete solution for hydraulic and pneumatic seal requirements.





HIGH QUALITY PRODUCTS | WRAS APPROVED SEALS | UNRIVALED SERVICE

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