

Sealing Systems

for *Energy* and *Large Bearings*

Systèmes d'étanchéité
pour *l'énergie* et *les grands roulements*



We care about tomorrow

We care about tomorrow

Notre engagement, votre satisfaction chaque jour

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Scraper Seals
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Static Seals
Jointts statiques

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Backup Rings
Bagues anti extrusion

Legend for seals designs

Légende de profils de joints

- Elastomer, Polyurethane or PTFE
Elastomère, polyuréthane ou PTFE
- Brass
Bronze
- Steel Insert
Insert métallique
- Elastomer Extensor
Extenseur élastomère
- Spring
Ressort
- Fabric
Textile





INTRODUCTION

ENGLISH

We specialize in consulting, expertise, study, design, manufacturing and on-site seal replacement for:

ENERGY

Hydroelectric plants, wind generators, offshore platforms

LARGE BEARINGS

Any equipment requiring sealing such as: tank turrets, tunnelers, radars, cranes, and mechanical machinery

Throughout its long history, PXL has brought seal experience and expertise to 42 countries around the world.

PXL is a preferred partner of major European design and construction companies thanks to its involvement in all steps of the sealing process. PXL guarantees World Class Work with :

- Technical products designed specifically for your job
- High quality products (traceability of raw materials and control of parts)
- A team of experienced and responsive experts

We also develop new technologies such as our patented, field molding process, MD WAY™, which allows us to produce and mold unlimited diameter solid seals at the job site.

For further information about this reliable and timesaving (therefore economical) process you can visit our website <http://mdway.pxlseals.com>.

INTRODUCTION

FRANÇAIS

Nous sommes spécialisés dans le conseil, l'expertise, l'étude, la conception, la fabrication et le montage des systèmes d'étanchéité pour :

L'ÉNERGIE

Centrales hydro-électriques, éoliennes, plateformes pétrolières

LES GRANDS ROULEMENTS

Tout ce qui nécessite une étanchéité sur des couronnes d'orientations : tourelles de chars, tunneliers, radars, grues et engins mécaniques

Après de nombreuses années d'expérience, PXL exporte son savoir-faire dans plus de 42 pays dans le monde.

Notre exigence et notre implication dans toutes les étapes du processus d'étanchéité nous ont permis de devenir le partenaire privilégié des plus importants constructeurs d'Europe. Nous garantissons à nos clients une prestation irréprochable :

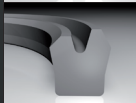
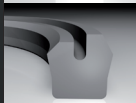
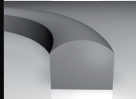
- Une prestation technique sur mesure et précise
- Des produits de qualité (traçabilité des matières et contrôle des pièces)
- Des équipes d'experts disponibles, présents et réactifs

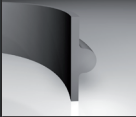
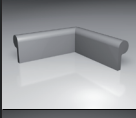
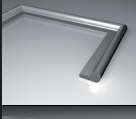
Outre notre expertise et notre solide expérience dans la fabrication de joints standard, nous développons de nouvelles techniques, telles que le procédé MD Way™ qui, grâce à un procédé breveté de jonction par vulcanisation sur site permet de réaliser des joints de diamètres illimités.

Pour en savoir plus sur ce procédé fiable qui permet de gagner un temps considérable sur votre site de production (et donc de faire des économies), consultez notre site dédié <http://mdway.pxlseals.com>.



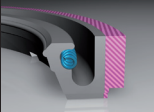
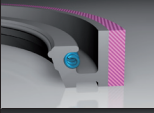
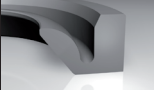


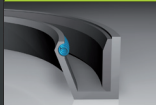
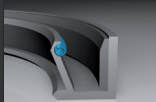
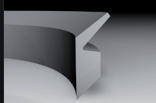
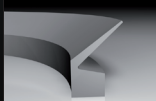
Design Profil	Product Reference Référence Produit	Material Matières standard	Pressure* Pression			Speed* Vitesse		Temperature* Température	
RANGE / GAMME HYDSEAL									
	HYDSEAL U150XIDE / XEDE	NBR NBR Autolub HNBR	BAR	MPa	PSI	m/s	fpm	°C	°F
	HYDSEAL U150XIH / XEH		<150	<15	<2175.6	<0.1	<20	-30 to +110° -30 to +110° -40 to +150°	-22 to +230° -22 to +230° -40 to +302°
	HYDSEAL U150XI / XE		<250	<25	<3625.9				
RANGE / GAMME DIRSEAL									
	DIRSEAL UNH	NBR Autolub HNBR	<100	<10	<1450.4	<0.1	<20	-40 to +150°	-40 to +302°
	DIRSEAL GECH	Polyurethane	<400	<40	<5801.5	<0.1	<20	-30 to +100°	-22 to +212°
	DIRSEAL ULPH	NBR Autolub HNBR	<100	<10	<1450.4	<0.1	<20	-30 to +110° -40 to +150°	-22 to +230° -40 to +302°
RANGE / GAMME AMSEAL									
	AMSEAL Profile DE	NBR Autolub NBR FKM	<150	<15	<2175.6	<0.5	<98	-30 to +110° -30 to +110° -10 to +220°	-22 to +230° -22 to +230° +14 to +428°
	AMSEAL Profile DI								
	AMSEAL Profile D								

Design Profil	Product Reference Référence Produit	Material Matières standard	Pressure* Pression			Speed* Vitesse		Temperature* Température	
RANGE / GAMME PROSEAL									
			BAR	MPa	PSI	m/s	fpm	°C	°F
	PROSEAL Solid Bulb and Tail Note de musique	CR Polyurethane NBR SBR	<50	<5	<725.2	<0.1	<20	-25 to +100° -30 to +100° -30 to +110° -20 to +120°	-13 to +212° -22 to +212° -22 to +230° -4 to +248°
	PROSEAL Hollow Bulb and Tail Note de musique Creuse								
	PROSEAL Double Tail and Bulb Note de musique Double Talon								
	PROSEAL Double Bulb and Tail Note de musique Double Boudin								
	PROSEAL Angle Angle								
	PROSEAL Frame Sealing Cadres Complets								
	PROSEAL Solid Bulb Tail with friction cover Note de musique Revêtement anti-friction								
	PROSEAL Flat Band Bande Plate								
	PROSEAL Corner Cornière								
	PROSEAL Disc Valve Seal Joint de Lentille	CR NBR SBR	<80	<8	<1160.3	<0.1	<20	-25 to +100° -30 to +110° -20 to +120°	-13 to +212° -22 to +230° -4 to +248°

*Approximate values, valeurs indicatives



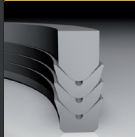
Design Profil	Product Reference Référence Produit	Material Matières standard	Pressure* Pression			Speed* Vitesse		Temperature* Température	
RANGE / GAMME IMBAT									
	IMBAT IMN**	HNBR Steel Insert NBR Steel Insert FKM Steel Insert	BAR	MPa	PSI	m/s	fpm	°C	°F
	IMBAT CMA**		<0.5	<0.05	<7.3	<12 <12 <24	<2362 <2362 <4724	-40 to +150° -30 to +110° -20 to +220°	-40 to +302° -22 to +230° -4 to +428°
	IMBAT CMA2**								
	IMBAT IMNDE								
RANGE / GAMME PEROBAT									
	PEROBAT SLG split or one-piece	HNBR Textile NBR Textile FKM Textile	0 to 0.5	0 to 0.05	0 to 7.3	<15 <15 <25	<2953 <2953 <4921	-40 to +150° -30 to +120° -20 to +220°	-40 to +302° -22 to +248° -4 to +428°
	PEROBAT SLP		0 to 4	0 to 0.4	0 to 58				
	PEROBAT SL split or one-piece		0 to 0.5	0 to 0.05	0 to 7.3				
	PEROBAT DL split or one-piece		0 to 0.5	0 to 0.05	0 to 7.3				
	PEROBAT JUMBO	NBR HNBR NBR Autolub	<5	<0.5	<72.5	<2	<394	-30 to +110° -40 to +150° -30 to +110°	-22 to +230° -40 to +302° -22 to +230°

Design Profil	Product Reference Référence Produit	Material Matières standard	Pressure Pression			Speed Vitesse		Temperature Température	
RANGE / GAMME COMPOBAT									
	COMPOBAT PFR1	FKM NBR Polyurethane + composite	BAR	MPa	PSI	m/s	fpm	-40 to +120° Variable, depends on the material used Variable, suivant les matériaux utilisés	-40 to +248°
	COMPOBAT PFR2		<0.5	<0.05	<7.3	5 to 15	984 to 2953		
	COMPOBAT PFCT	PTFE Carbon / Graphite PTFE Fiberglass PTFE Carbon Fibre	400 300 250	40 30 25	5801.5 4351.1 3625.9	2.5	492		
	COMPOBAT PFAT								
	COMPOBAT PFRP	PTFE Carbon / Graphite PTFE Blank PTFE Carbon Fibre	<10	<1	<145	<15	<2953		
	COMPOBAT JMR**	PTFE Carbon / Graphite PTFE Bronze	<12	<1.2	<174	<25	<4921		
RANGE / GAMME RINGBAT									
	RINGBAT VA	NBR FKM HNBR	0	0	0	<15	<2953	-30 to +110° -20 to +220° -40 to +150°	-22 to +230° -4 to +428° -40 to +302°
	RINGBAT VS								
	RINGBAT VE								
	RINGBAT VL								

*Approximate values, valeurs indicatives **Available in Double Lip / Existe en double lèvre





Design Profil	Product Reference Référence Produit	Material Matières standard	Pressure* Pression						Speed* Vitesse				Temperature* Température	
			Hydraulic			Pneumatic			AS		RS			
RANGE / GAMME ROOFSEAL														
	ROOFSEAL CH	NBR Textile FKM Textile NBR Polyurethane	BAR	MPa	PSI	BAR	MPa	PSI	m/s	fpm	m/s	fpm	°C	°F
			<600	<60	<8702.3				0.5 to 2	98 to 394	<0.1	<20	-30 to +110° -20 to +220° -30 to +110° -30 to +100°	-22 to +230° -4 to +428° -22 to +230° -22 to +212°
RANGE / GAMME USEAL														
	USEAL UN	NBR FKM Polyurethane HNBR	<150	<15	<2175.6	<20	<2	<290.1	0.5 to 1	98 to 197			-30 to +110° -20 to +220° -30 to +100° -40 to +150°	-22 to +230° -4 to +428° -22 to +212° -40 to +302°
	USEAL UI		<150	<15	<2175.6	<20	<2	<290.1						
	USEAL UE		<300	<30	<4351.1	<40	<4	<580.2						
	USEAL ULP		<150	<15	<2175.6	<20	<2	<290.1						
	USEAL U150-X	FKM NBR HNBR	<150	<15	<2175.6	<20	<2	<290.1	0.5 to 1	98 to 197			-30 to +110° -20 to +220° -30 to +100° -40 to +150°	-22 to +230° -4 to +428° -22 to +212° -40 to +302°
	USEAL U150-XI		<150	<15	<2175.6	<20	<2	<290.1						
	USEAL U150-XE		<250	<25	<3625.9	<40	<4	<580.2						
	USEAL U150-3		<150	<15	<2175.6	<20	<2	<290.1						
	USEAL U150-3I	NBR + Textile FKM + Textile HNBR + Textile	<400	<40	<5801.5				0.5 to 2	98 to 394	0.1 to 0.25	20 to 49	-30 to +110° -20 to +220° -40 to +150°	-22 to +230° -4 to +428° -40 to +302°
	USEAL U150-3E		<350	<35	<5076.3									
	USEAL GEC		<250	<25	<3625.9									
	USEAL GEC		<400	<40	<5801.5									
	USEAL GEC	NBR FKM Polyurethane HNBR	<250 <250 <400 <250	<25 <25 <40 <25	<3625.9 <3625.9 <5801.5 <3625.9				0.5 to 1	98 to 197	0.1 to 0.25	20 to 49	-30 to +110° -20 to +220° -30 to +100° -40 to +150°	-22 to +230° -4 to +428° -22 to +212° -40 to +302°

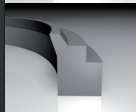
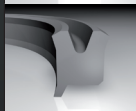
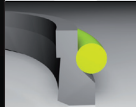


Design Profil	Product Reference Référence Produit	Material Matériaux standard	Pressure* Pression			Speed* Vitesse		Temperature* Température			
RANGE / GAMME SLIDSEAL											
	SLIDSEAL PFAD	PTFE Bronze PTFE Fiberglass PTFE Carbon / Graphite Polyurethane Autolub	BAR	MPa	PSI	m/s	fpm	-40 to +120° -40 to +248°			
	SLIDSEAL PFAS		800	80	11603	15	2953				
	SLIDSEAL PFTS		250	25	3625.9	15	2953				
	SLIDSEAL PFTD		400	40	5801.5	15	2953				
	SLIDSEAL PFAM		400	40	5801.5	2	394				
	SLIDSEAL PFAI	PTFE Fiberglass PTFE Carbon Polyurethane Autolub	800	80	11603	15	2953	Variable, depends on the material used Variable, suivant les matériaux utilisés			
	SLIDSEAL PFTI		400	40	5801.5	15	2953				
	SLIDSEAL PFTI	400	40	5801.5	2	394					
RANGE / GAMME LSEAL											
	LSEAL CUP Calotte	NBR FKM Polyurethane	Hydraulic			Pneumatic				0.5 to 1 98 to 197	-30 to +110° -20 to +220° -30 to +100°
	LSEAL HAT Chapeau		BAR	MPa	PSI	BAR	MPa	PSI			
			<250	<25	<3625.9	<20	<2	<290.1			
		<250	<25	<3625.9	<20	<2	<290.1				
		<400	<40	<5801.5	<40	<4	<580.2				
RANGE / GAMME OGLID											
	OGLID GUIDE RING Bague de guidage	PTFE Bronze Polyurethane Fabrics Charged Autolub PTFE Carbon/Graphite Polyurethane Autolub	maxi 5	maxi 0.5	maxi 72.5						

*Approximate values, valeurs indicatives



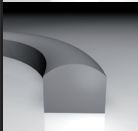


Design Profil	Product Reference Référence Produit	Material Matières standard	Speed* Vitesse		Temperature* Température	
RANGE / GAMME CLARAC						
	CLARAC RPB	NBR FKM Polyurethane	m/s	fpm	°C	°F
	CLARAC RPBE		<1	<197	-30 to +110° -20 to +220° -30 to +100°	-22 to +230° -4 to +428° -22 to +212°
	CLARAC RPBDL					
RANGE / GAMME METRAC						
	METRAC RIMN	NBR Metal FKM Metal Polyurethane Metal	<1	<197	-30 to +110° -20 to +220° -30 to +100°	-22 to +230° -4 to +428° -22 to +212°
	METRAC RCMA					
	METRAC RPDR	Brass NBR Metal Brass Polyurethane Metal	<1	<197	-30 to +110° -30 to +100°	-22 to +230° -22 to +212°
RANGE / GAMME ADERAC						
	ADERAC RPFS	PTFE Carbon / Graphite PTFE Bronze Polyurethane Autolub	15	2953	-40 to +120°	-40 to +248°
	ADERAC RPFD1		2	394	-150 to +260°	-238 to +500°
	ADERAC RPFD2		2	394	-30 to +100°	-22 to +212°



Static Seals

Jointes statiques

Design Profil	Product Reference Référence Produit	Material Matières standard	Temperature* Température	
RANGE / GAMME SEALO				
	SEALO O-Ring	NBR FKM EPDM HNBR Silicone	°C	°F
			-30 to +110°	-22 to +230°
	-20 to +220°		-4 to +428°	
	-40 to +150°		-40 to +302°	
	-40 to +150°		-40 to +302°	
	-40 to +150°		-40 to +302°	
	-50 to +250°		-58 to +482°	
	SEALO PB4		-30 to +110°	-22 to +230°
			-20 to +220°	-4 to +428°
			-40 to +150°	-40 to +302°
		-40 to +150°	-40 to +302°	
		-50 to +250°	-58 to +482°	



Backup Rings

Bagues anti extrusion

Design Profil	Product Reference Référence Produit	Material Matières standard	Temperature* Température	
RANGE / GAMME BACKSEAL				
	BACKSEAL BAC Back up Ring (BAC Type)	POM (Acetal) PTFE Polyurethane	°C	°F
	BACKSEAL BAE Back up Ring (BAC Type)		-50 to +100° -150 to +260° -30 to +100°	-58 to +212° -238 to +500° -22 to +212°

*Approximate values, valeurs indicatives



PXL has earned the trust of
Ils nous font confiance

Energy Énergie

ADAMS AG
ALSTOM - Hydro Power
ANDRITZ - Hydro
CNR - Compagnie Nationale du Rhône
EDF - Electricité de France - Hydro Power
FCT - Flow Control Technologies,
TYCO Group
HYDRO EXPLOITATION SA
LITOSTROJ POWER, CIMOS Group
SBM OFFSHORE GROUP
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