

**L'EXPERT
DE L'ÉTANCHÉITÉ**



PIÈCES USINÉES

*Fabrication de vos joints suivant votre modèle
de joint ou plan en un temps record !*



UNE LARGE GAMME

ROTATIVE
HYDRAULIQUE
STATIQUE
ASEPTIQUE
PIÈCES USINÉES

LIVRAISON RAPIDE

24/48H
ENVOI EXPRESS

UN SUPPORT TECHNIQUE

POUR VOUS CONSEILLER,
VOUS ACCOMPAGNER ET
VOUS DÉPANNER



SOMMAIRE

DÉFINITION DU PROFIL ET DE LA MATIÈRE

6

LES PROFILS

8

RACLEURS

8

JOINTS DE TIGE

9

JOINTS DE PISTON

12

JOINTS ROTATIFS ET STATIQUES

14

BAGUES DE GUIDAGE

16

DONNÉES TECHNIQUES DES PLASTIQUES

18



**FOURNISSEUR ET FABRICANT
DE JOINTS D'ÉTANCHÉITÉ**

**POUR LES DISTRIBUTEURS
ET LES INDUSTRIELS**

**EXPERT DE
L'ÉTANCHÉITÉ
DEPUIS + DE 25 ANS**

SEAL FRANCE est une société spécialisée dans la commercialisation et la fabrication de joint d'étanchéité standard ou sur-mesure. Présente en France et au Maghreb. Notre force, est notre expertise et notre technicité que nous mettons au service de nos clients.

MARCHÉS D'EXPERTISE

AGROALIMENTAIRE



PHARMACEUTIQUE



HYDRAULIQUE



PÉTROCHIMIE



AÉRONAUTIQUE



ÉNERGIE



5 GAMMES

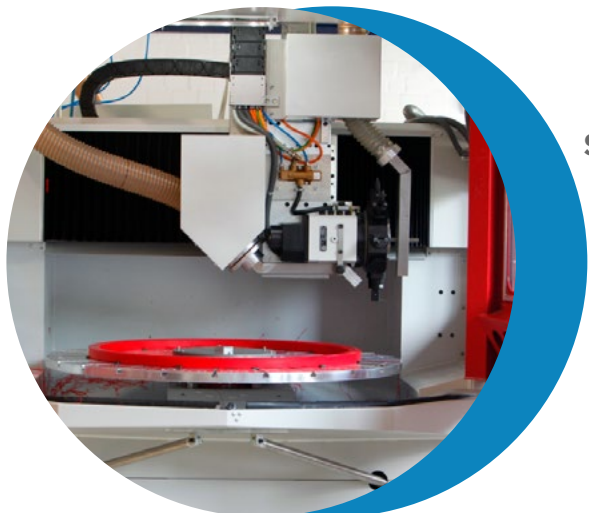
+ 70 000 RÉFÉRENCES

POUR TOUT TYPE D'ÉTANCHÉITÉ



DÉFINITION DU PROFIL ET DE LA MATIÈRE

Contactez notre support technique, nous vous assisterons pour définir le profil et la matière adaptée à vos besoins.



SEAL FRANCE vous dépanne sur vos joints allant du prototypage à la moyenne série, suivant votre cahier des charges :

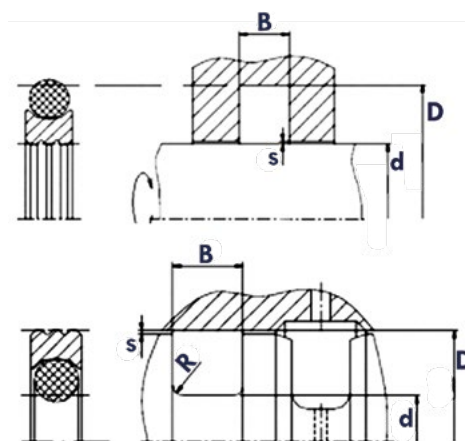
- Adaptabilité selon vos dimensions et côtes de logement !
- Dans les matières les plus variées, du standard aux matières homologuées, FDA, ACS, USP VI etc...

Les éléments nécessaires à la bonne exécution et à l'adaptabilité à vos cotes de logement sont les suivants :

- Côtes métal de logement extérieur (D)
- Côtes métal de logement intérieur (d)
- Côtes métal de la hauteur ou largeur de gorge (B)
- Le diamètre de piston, le diamètre de tige
- Température d'utilisation mini et maxi
- Vitesse de rotation ou de translation
- Pression d'utilisation
- Fluides en contact
- Autres paramètres de conditions d'utilisations particulières



Nous vous invitons à utiliser nos schémas lors de vos demandes en précisant le maximum d'informations.



RACLEURS

	PU	FKM	NBR	EPDM	SILICONE	PTFE	PTFE CHARGÉ
LÈVRE		 	 	 	 		
PROFILS	A1 → A15 sauf A13					A16 & A17	
VITESSE (M/S)	→ 4 m/s					→ 4 m/s	

		POM	PA	PTFE	PTFE CHARGÉ
ARMATURE & A13	→ 1 m/s	 	 	 	 
	→ 4 m/s			 	 

Pour certaines applications spéciales, il est possible d'utiliser d'autres matières (PE, PEEK, HNBR...).

JOINTS DE TIGE & DE PISTON

Profilés utilisés en mouvements linéaires alternatifs.

	PU	FKM	NBR	EPDM	SILICONE	PTFE	PTFE CHARGÉ
U		 	 	 	 		
PROFILS	Tous sauf →					S19, S19S, K19, K19S	
VITESSE (M/S)	→ 0,5 m/s					→ 4 m/s	
PRESSION (BAR)	→ 400	→ 160				→ 400	

JOINTS DE TIGE & DE PISTON

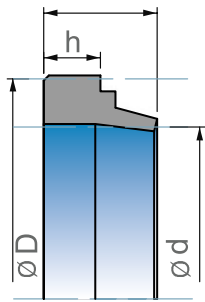
Torique ou expandeur élastomère, Bague PTFE ou PTFE chargé.

Dans certains cas, la bague peut être usinée en PU, PE, PEEK, PA, POM...

CHEVRONS

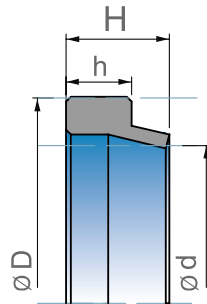
	PU	FKM	NBR	HNBR	EPDM	SILICONE	PTFE	PTFE CHARGÉ
ÉLÉMENTS INTERMÉD.		 	 	 	 	 		
TÊTE & PIED	POM, PA, ou PTFE						PTFE, POM ou PA	
PROFILS	CHE5, CHN5 (utilisable en tige ou piston)						CHV5, CHR5	
VITESSE (M/S)	→ 0,5 m/s						→ 4 m/s	
PRESSION (BAR)	→ 400				→ 160			→ 400

A1



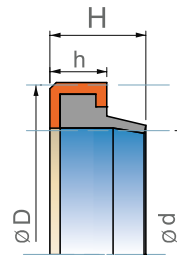
Sans armature

A2

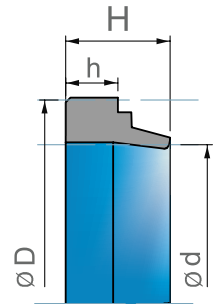


Sans armature

A3

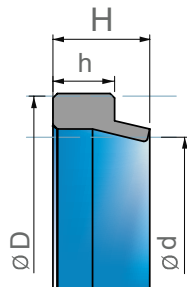
Avec armature
 $\varnothing > 20 \text{ mm}$

A4



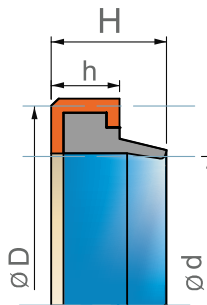
Sans armature

A5

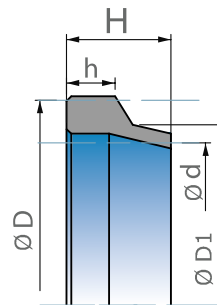


Sans armature

A6

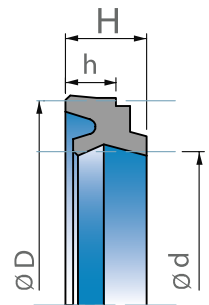
Avec armature
 $\varnothing > 20 \text{ mm}$

A7



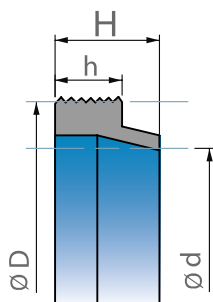
Sans armature

A8

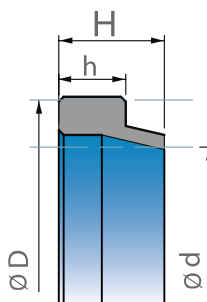


A bride

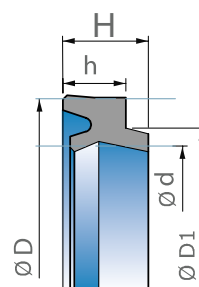
A9

Sans armature
Standard US

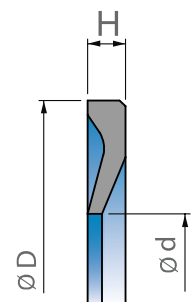
A10

Sans armature
Standard US

A11

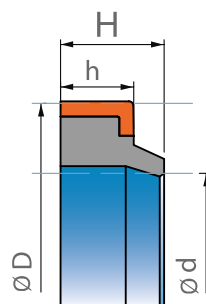
Sans armature
Double lèvre

A13

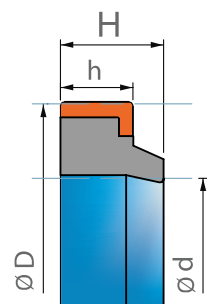


Bague de raclage

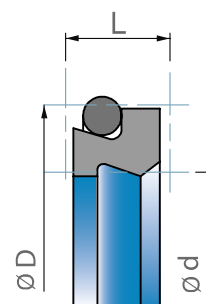
A14

Idem A3
 $\varnothing > 20 \text{ mm}$

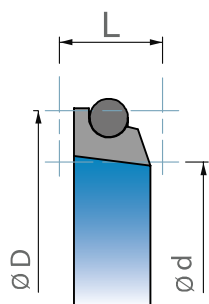
A15

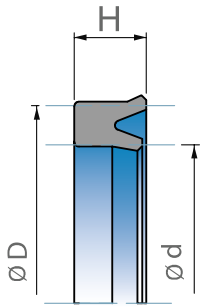
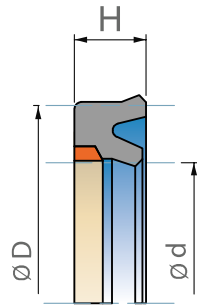
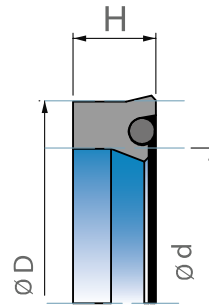
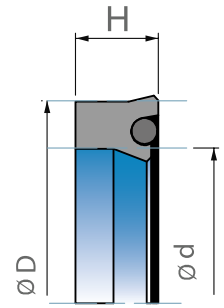
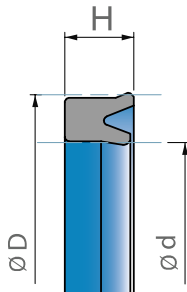
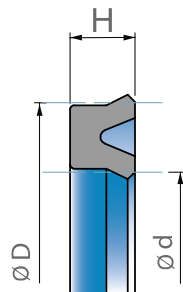
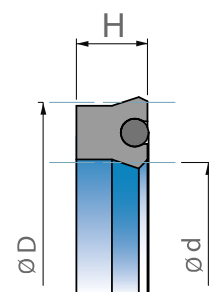
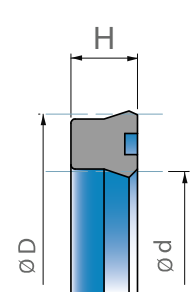
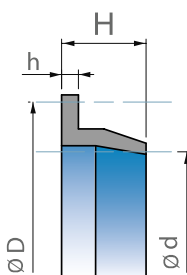
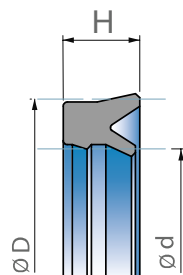
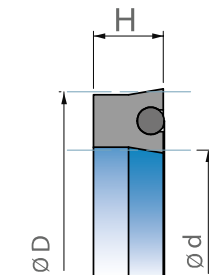
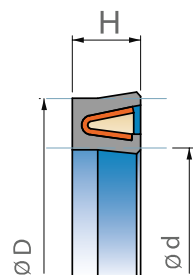
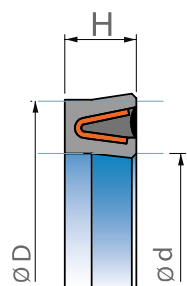
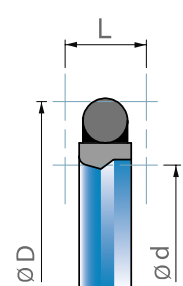
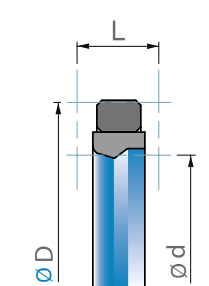
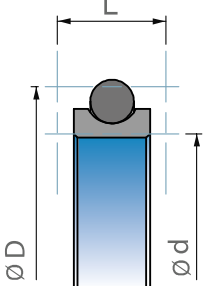
Idem A6
 $\varnothing > 20 \text{ mm}$

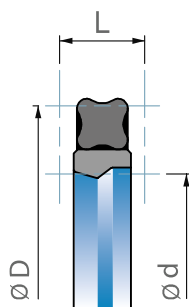
A16

Double lèvre
+ Torique

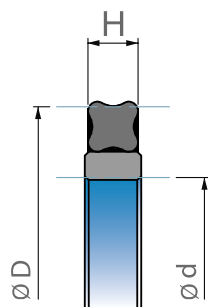
A17

Simple lèvre
+ Torique

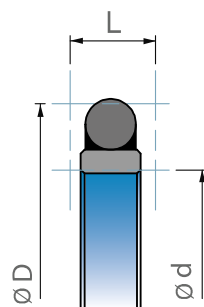
S1**Asymétrique****S2****Asymétrique + BAE****S3****Asymétrique + torique****S4****Asymétrique + BAE + torique****S5****Asymétrique****S6****Symétrique****S7****Symétrique + torique****S8****Compact****S16****Chapeau****S17****Double lèvre d'étanchéité****S18****Symétrique + torique****S19****Ressort inox****S19S****Ressort inox
+ Protection silicone****S9****Simple effet
Expanseur torique****S9E****Simple effet
Expanseur carré****RT****Double effet
Expanseur torique**

S9X

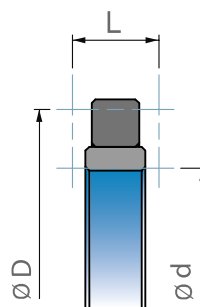
Simple effet
Expanseur JT4

S90X

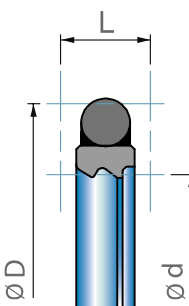
Double effet
Expanseur JT4

S90

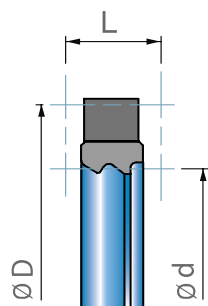
Double effet
Expanseur torique

S90E

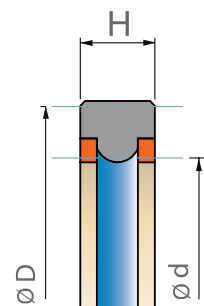
Double effet
Expanseur carré

S92

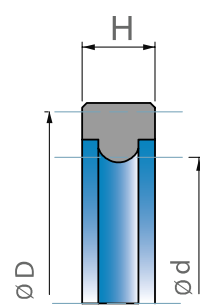
Simple effet
Double lèvre

S92E

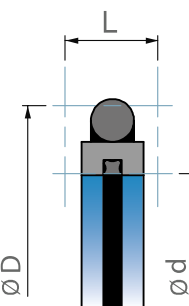
Simple effet
Double lèvre

S20

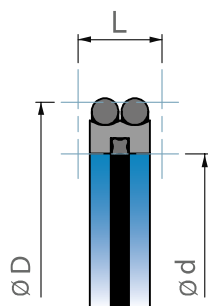
Joint T + BAE

S20S

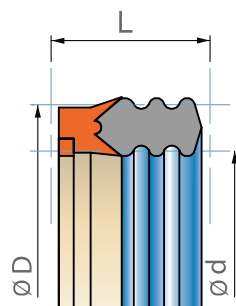
Joint T

S44

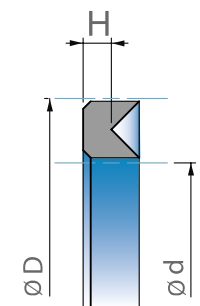
Double effet + JT4
Expanseur torique

S45

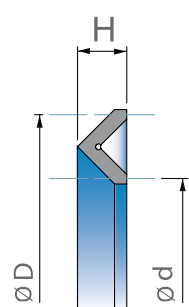
Double effet + JT4
2 Expanseurs toriques

S700

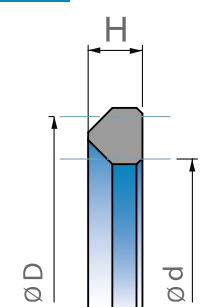
Simple effet
Résistance à 700 bar

S12

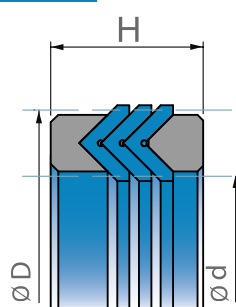
Pied pour CHE5
POM, PA OU PTFE

S11

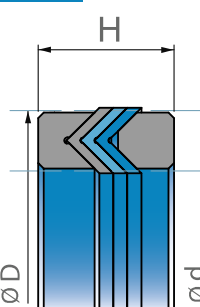
V pour CHE5
PU ou élastomères

S10

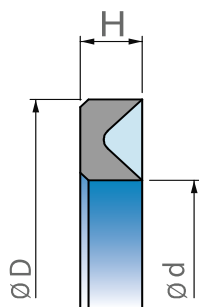
Tête pour CHE5
POM, PA ou PTFE

CHE5

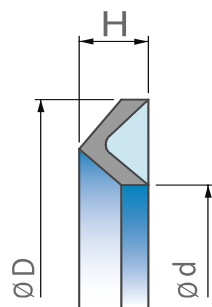
Chevrons à 90°

CHN5

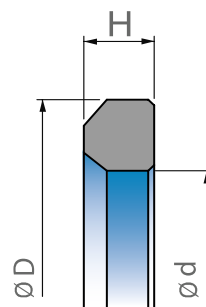
Chevrons à 60°

S27

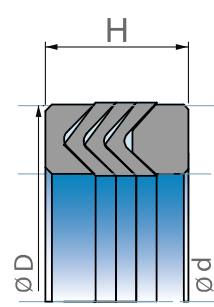
Pied pour CHV5
POM, PA ou PTFE

S26

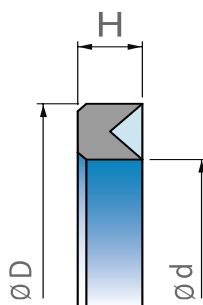
V pour CHV5
PU ou élastomères

S25

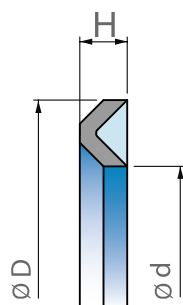
Tête pour CHV5
POM, PA ou PTFE

CHV5

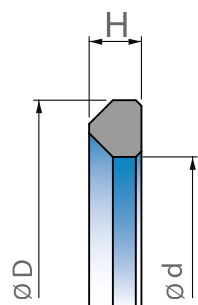
Chevrons à 90°

S31

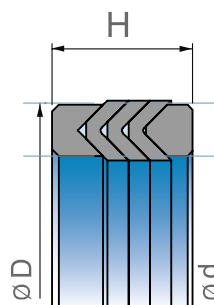
Pied pour CHR5
POM, PA ou PTFE

S30

V pour CHR5
PU ou élastomères

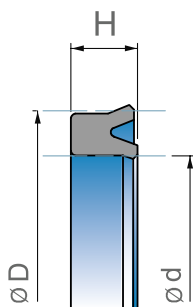
S29

Tête pour CHR5
POM, PA ou PTFE

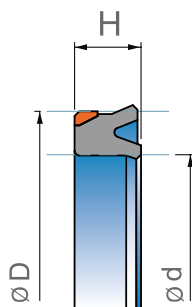
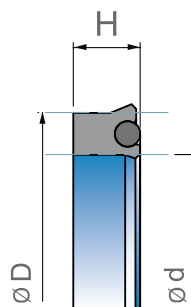
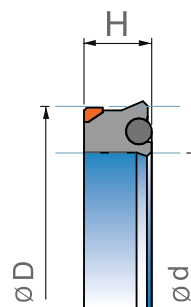
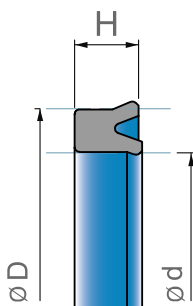
CHR5

Chevrons à 60°

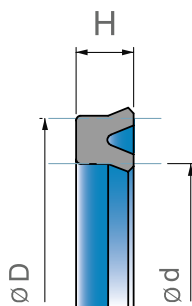


K1

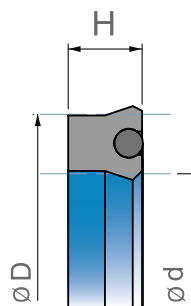
Asymétrique

K2Asymétrique
+ BAE**K3**Asymétrique
+ Torique**K4**Asymétrique
+ Torique + BAE**K5**

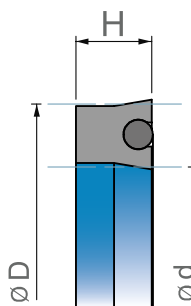
Asymétrique

K6

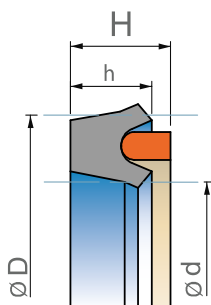
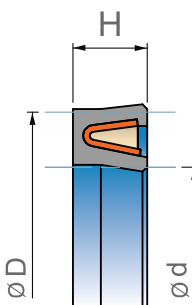
Symétrique

K7

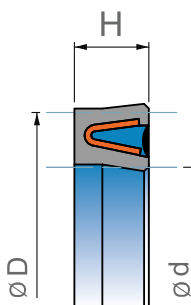
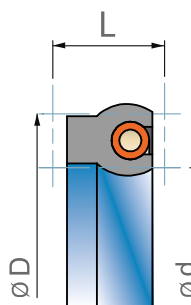
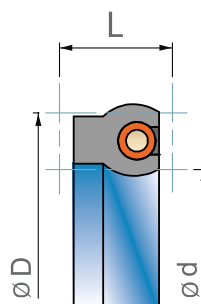
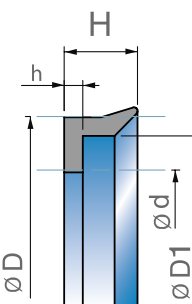
Symétrique + torique

K18

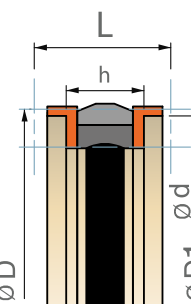
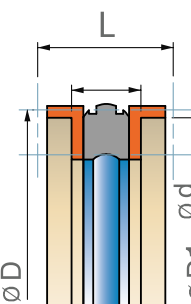
Symétrique + torique

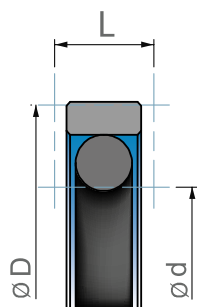
K22Symétrique
+ Limiteur**K19**

Ressort inox

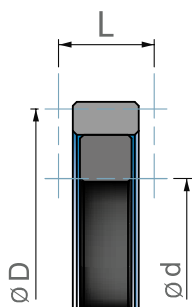
K19SRessort inox
+ Silicone**K30**Ressort inox + forme
ronde
(Existe aussi en tige)**K30S**Ressort inox
forme ronde + silicone
(Existe aussi en tige)**K16**

Coupelle

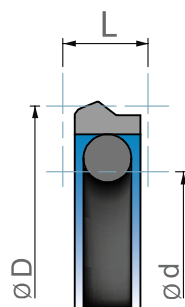
K9**K17**

K8

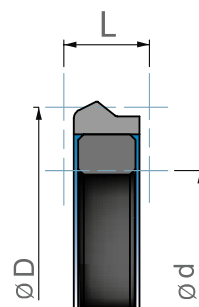
Double effet
Expanseur torique

K8E

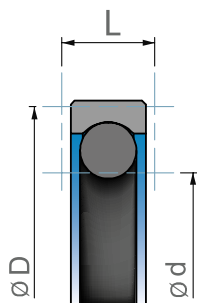
Double effet
Expanseur carré

K8O

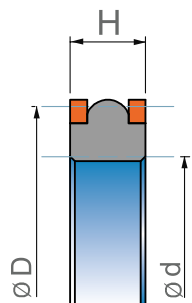
Simple effet
Expanseur torique

K8OE

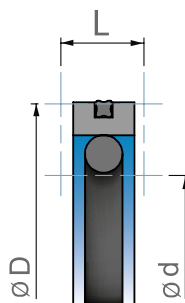
Simple effet
Expanseur carré

RP

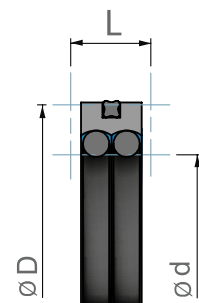
Double effet
faible encombrement

K20

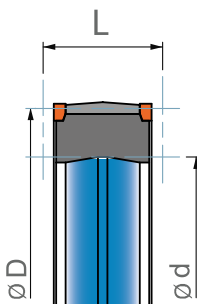
Joint T + BAE

K24

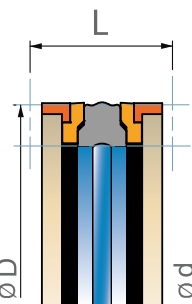
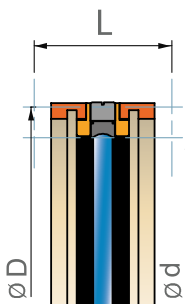
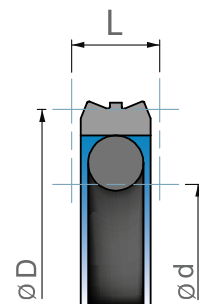
Double effet + JT4
Expanseur torique

K25

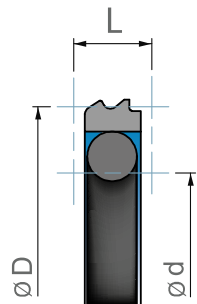
Double effet + JT4
2 Expanseurs toriques

K23

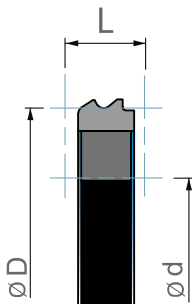
Ressort inox + forme ronde
(Existe aussi en tige)

K50**K60****K70**

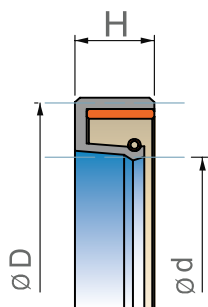
Double effet

K82

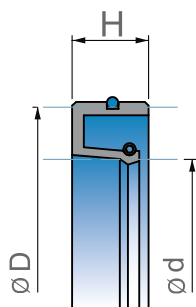
Simple effet Double lèvre

K82E

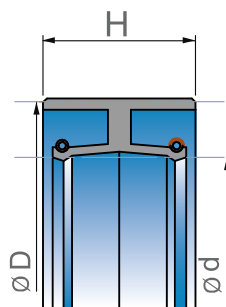
Simple effet Double lèvre

R1

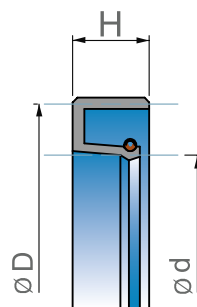
Simple lèvre + renfort

R1P

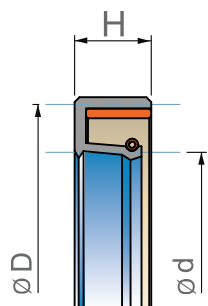
Simple lèvre + torique

R11P

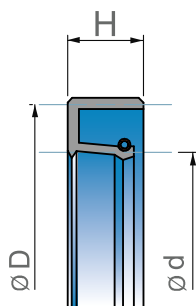
Double lèvre actives

R1JT

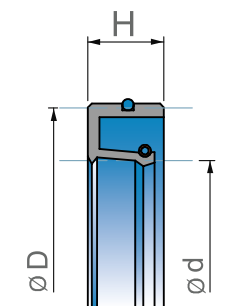
Simple lèvre + torique

R2

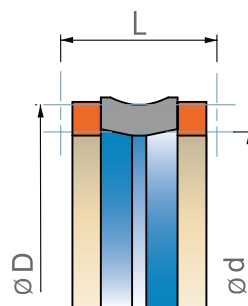
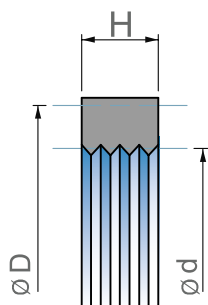
Double lèvre + renfort

R2P

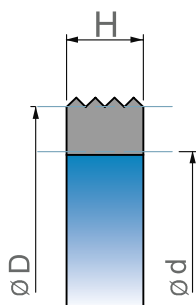
Double lèvre

R2JT

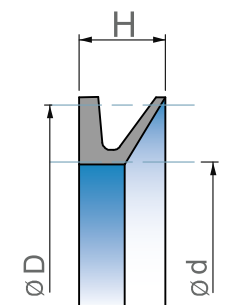
Double lèvre + torique

R3**R4**

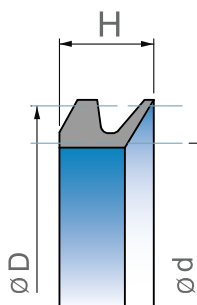
Étanchéité intérieure

R5

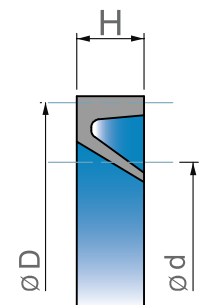
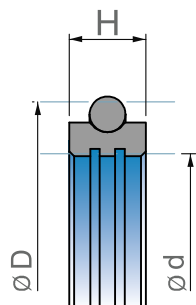
Étanchéité extérieure

R6

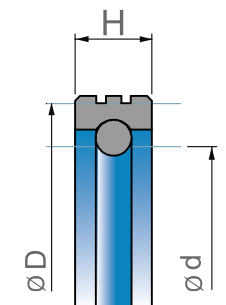
V-ring Type A

R7

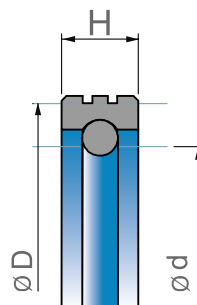
V-ring Type S

R8**CST**

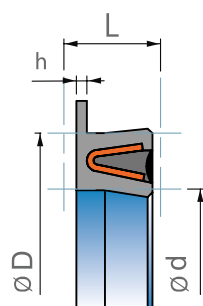
Double effet tige

CSP

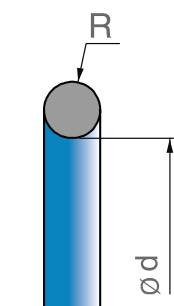
Double effet piston

VR5/7

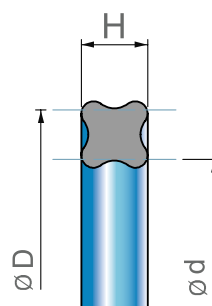
Ressort inox

VAR5/7

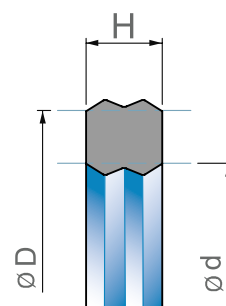
Ressort inox
+ Silicone

RO

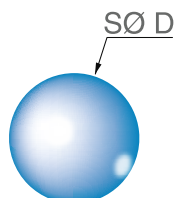
Torque

JT4

Joint 4 lobes

XS

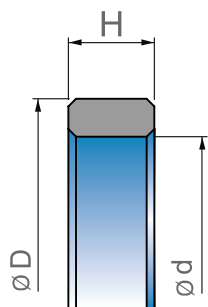
Joints statique
500 bar

XB

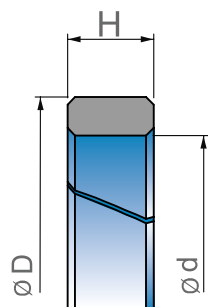
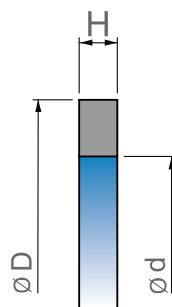
Bille Ø standard < 50
Au-delà, nous consulter

Vitesse et pression maximale ne peuvent être utilisées en même temps.

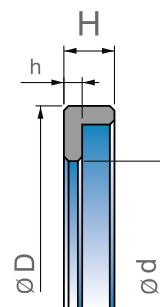


F1

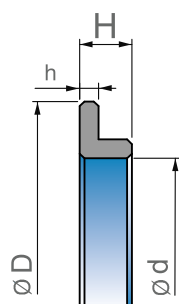
Avec chanfreins

F1CFendue
avec chanfreins**F2**

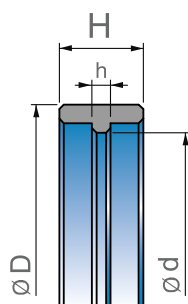
Angles vifs

F3

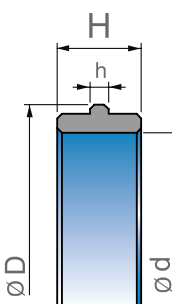
Type L

F4

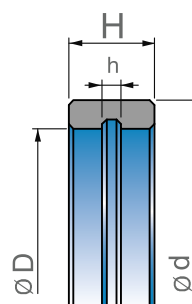
Type L

F5

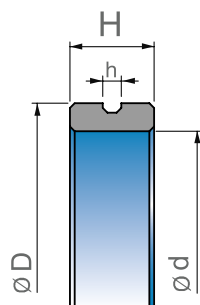
Type T

F6

Type T

F7

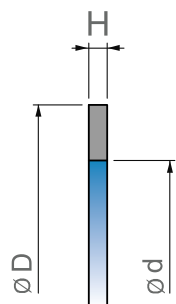
Type U

F8

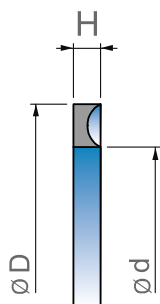
Type U



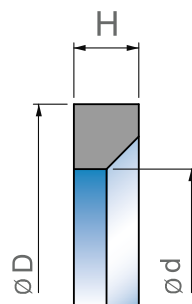
ST8

*Peut être fendue*

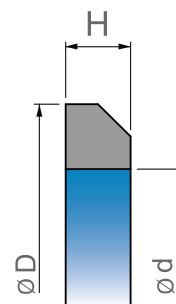
ST9

*Peut être fendue*

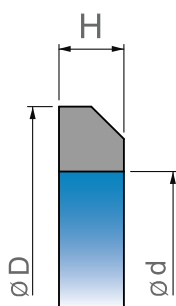
ST10



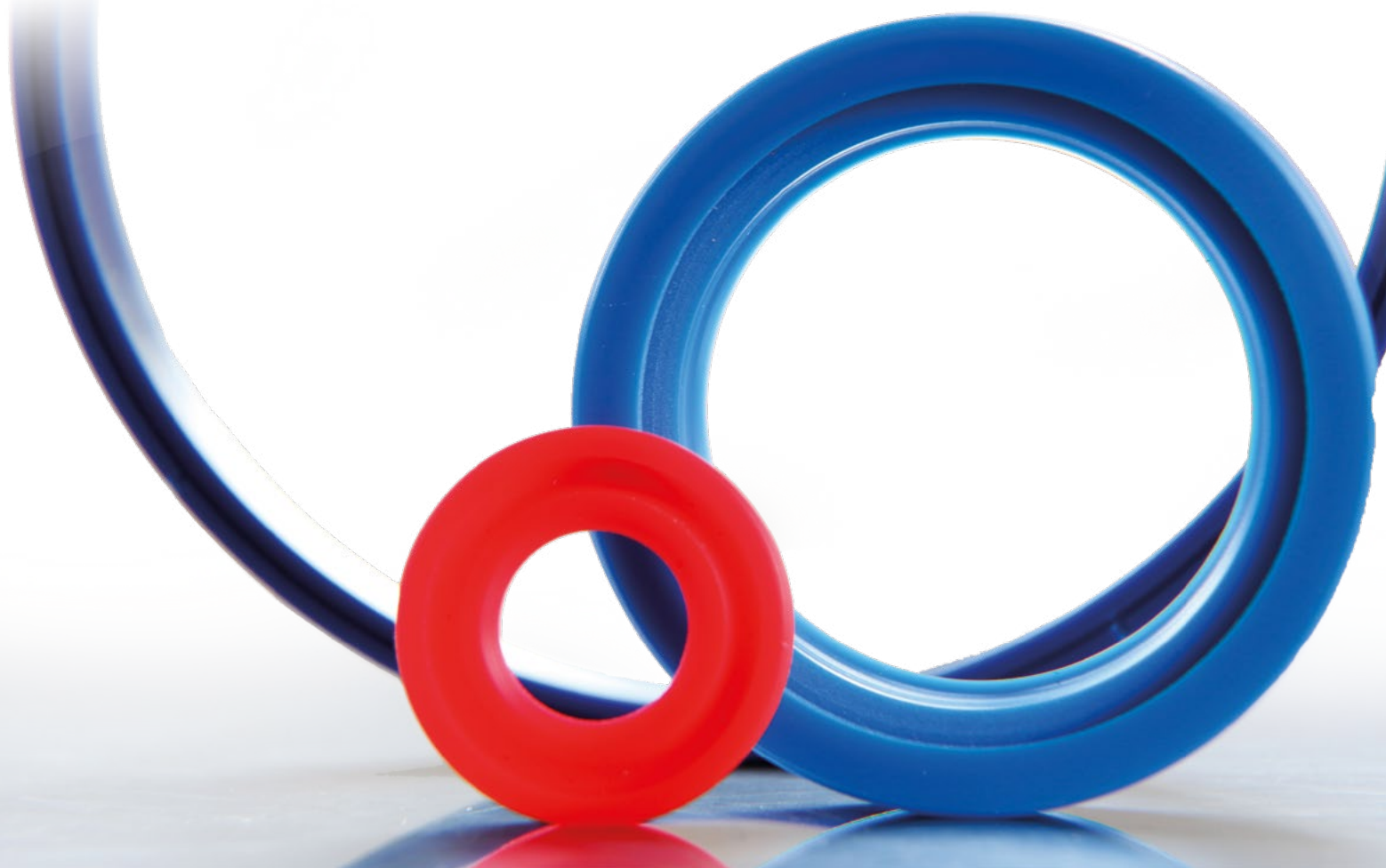
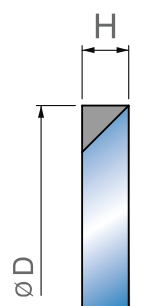
ST11



ST12

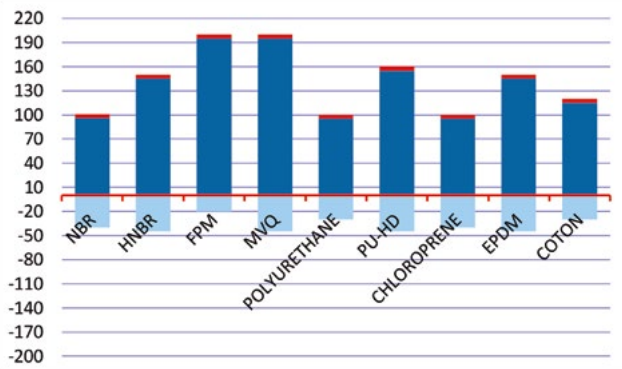
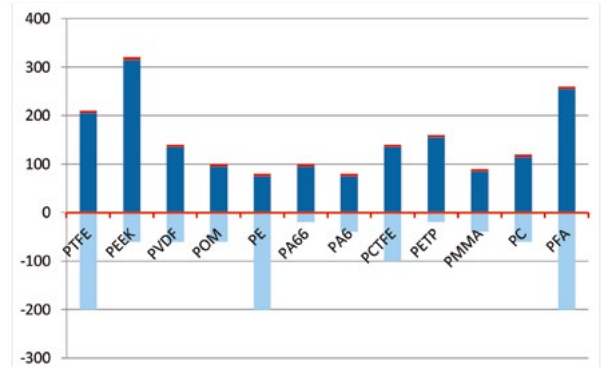


ST13



Matière	Abréviation	Nom commun	Densité	Plage de température en degrés C°		Coefficient de dilatation thermique 10(-5) X C°-1	Classement UL 94	Résistance à la rupture par traction N/mm2	Résistance à la rupture par flexion N/mm2	Dureté Shore Rockwell	Coefficient de frottement
Polyamide 6	PA6	NYLON® 6/ERTALON 6 SA®	1,14	-40	85	9	HB	60	55	D74	0,25 - 0,50
Polyamide 6/6	PA6/6	NYLON® 6/ERTALON 6 SA®	1,14	-30	95	7	HB	70	60	D80	0,25 - 0,50
Polyamide coulé	PA6/6	NYLON® Coulé	1,15	-30	105	8	HB	65	60	D80	0,25 - 0,50
Polyamide chargé verre	PA6/6 GF 30	NYLON® Chargé verre	1,40	-20	120	3	HB	150	200	D75	0,30 - 0,50
Polyamide chargé huile	PA6 + huile	NYLON® Chargé huile	1,35	-20	105	8	HB	70	80	M82	0,15 - 0,25
Polyamide 12	PA12	RILSAN®	1,06	-50	70	9	V2	40	50	D74	0,25
Polyacetal	POM C	DELFIN®	1,42	-50	115	8	HB	70	110	D74	0,25
Polyvinyle de chlorure	PVC		1,45	-20	60	8	-	50	80	D78	0,25 - 0,50
Polyéthylène	PEHD		0,94	-50	80	18	HB	24	-	D60	0,20
Polyéthylène 500	PEHD 500		0,94	-100	80	18	HB	28	40	D66	0,15
Polyéthylène 1000	PEHD 1000		0,95	-260	90	18	HB	22	27	D62	0,12
Polyéthylène 6000	PEHD 6000	CESTIDUR®	0,93	-269	90	18	HB	-	-	D62	0,12
Polyéthylène Téréphtalate	PETP		1,38	-20	115	7	HB	75	120	D84	0,20
Polypropylene Copolymer	PPC		0,92	-10	100	11	HB	31	40	D70	0,30
Polytétrafluoroéthylène	PTFE	TEFLON®	2,10	-200	200	12	VO	35	160	D50	0,10
Polyétheréthercétone	PEEK		1,31	-60	250	5	VO	92	170	D86	0,30
Copolymère Perfluoroalkoxyethylene *	PFA										

Liste non exhaustive, les valeurs sont indicatives et ne sauraient engager la responsabilité de SEAL FRANCE.

INDICATIONS DES TENUES EN
TEMPÉRATURE DES ÉLASTOMÈRESINDICATIONS DES TENUES EN
TEMPÉRATURE DES PLASTIQUES

Vous ne trouvez pas ce que vous recherchez ?

CONTACTEZ-NOUS !

SEAL FRANCE EST SPÉCIALISTE DU SUR-MESURE !

SEAL FRANCE

Espace Polygone, 67 rue Ettore BUGATTI
66000 PERPIGNAN

 +33 (0)4 68 52 91 91

 +33 (0)4 68 52 91 90

 contact@sealfrance.fr



@seal-france

seal-france.fr



SEALFRANCE
JOINTS INDUSTRIELS

GROUPE

efire