



CATÁLOGO DE RETENTORES

ref. 2021



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Empresa



Fundada em 1979, a AGEL Anéis Gaxetas Equipamentos Ltda. é uma das principais empresas brasileiras no segmento de vedações hidráulicas que atua na fabricação de anéis “o-ring”, gaxetas, retentores, kits e reparos.

A AGEL tem um compromisso único com a qualidade que começa com uma rigorosa seleção de matérias-primas para garantir produtos do mais alto padrão, atendendo à certificação ISO 9001.

Com dois parques fabris de mais de 13.000 e 7.000 mil metros quadrados de área construída, ambas respectivamente localizadas em um grande polo logístico: Barueri, na grande São Paulo.

São mais de 500 colaboradores treinados e capacitados que atuam para atender as demandas de uma clientela cada vez mais exigente para produzir, além de equipamentos e componentes de vedação, os retentores da marca APC – A Marca da Qualidade que vem se destacando junto aos seus clientes, no mercado interno e no exterior.

Produzidos exclusivamente em nosso parque industrial da linha de retentores com tecnologia de ponta, garantem segurança e bem estar para o usuário, variedade e qualidade de atendimento e pronta entrega para o revendedor, e praticidade para o montador.



COMO UTILIZAR ESTE CATÁLOGO

Para facilitar a consulta, os retentores começam com as ilustrações em corte e estão em ordem de diâmetro interno.

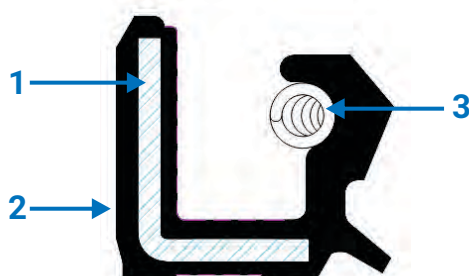
Podem ser consultados também pelo perfil de seus respectivos modelos, por meio do índice da página 3.

FUNÇÃO DO RETENTOR

O retentor tem por função primordial reter óleos, graxas ou outros fluidos que devam ser contidos no interior do sistema em condições estáticas ou dinâmicas, também tem a função de evitar a entrada de impurezas.

A vedação ocorre pelo contato permanente entre a aresta do lábio de vedação e o eixo da máquina (vedação dinâmica), no caso da vedação externa, ocorre com a interferência do diâmetro do retentor com o alojamento (vedação estática).

O retentor é uma peça que possui três partes distintas, a carcaça (responsável pela fixação no alojamento), elastômero (responsável pela vedação principal) e a mola (responsável em manter a força do lábio de vedação no eixo).



- 1 - CARCAÇA METÁLICA
- 2 - ELASTÔMERO
- 3 - MOLA



LEGENDA

NBR	NITRÍLICA	ORI	ORIENTAÇÃO DO LÁBIO
FPM	FLUORELASTÔMERO	LI	LISO
MVQ	SILICONE®	H	HORÁRIO
ACM	POLIACRÍLICA	AH	ANTI-HORÁRIO
HNBR	NITRÍLICA HIDROGENADA	BI	BIDIRECIONAL
PU	POLIURETANO		
PTFE	POLITETRAFLUORETILENO		

ARMAZENAMENTO, MANIPULAÇÃO E MONTAGEM

Durante o período de armazenamento, os retentores deverão ser mantidos na própria embalagem AGEL, estocados em local limpo e de forma apropriada, com temperaturas médias recomendadas entre 10° a 40°C.

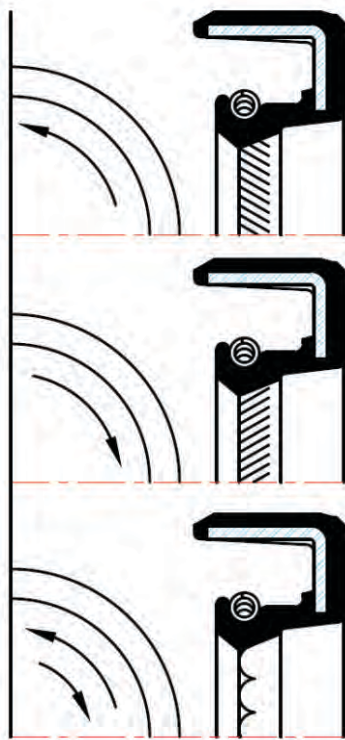
Ao ser desembalado para montagem, recomenda-se todo o cuidado possível para não tocar desnecessariamente no lábio de vedação, de modo a não deformar, danificar ou depositar elementos estranhos que possam comprometer o bom desempenho na aplicação, pois a parte mais sensível do retentor é seu lábio de vedação.

Se o retentor possuir algum tipo de luva de proteção na parte interna, esta não deverá ser retirada, pois foi desenvolvida para proteção do lábio de vedação, devendo ser retirada apenas no momento da aplicação.

Para garantir uma instalação correta do retentor, é necessário lubrificar o lábio de vedação do retentor ou eixo (recomenda-se usar o próprio fluido a ser vedado no sistema).

Todos os eixos deverão estar em boas condições, livres de riscos, amassados, cantos vivos, oxidações, entre outros.

EFEITO HIDRODINÂMICO



D.L. ESTRIAS HIDRODINÂMICAS
PARA ROTAÇÃO ANTI-HORÁRIA DO EIXO

D.R. ESTRIAS HIDRODINÂMICAS
PARA ROTAÇÃO HORÁRIA DO EIXO

D.W. ESTRIAS HIDRODINÂMICAS PARA
ROTAÇÃO HORÁRIA E ANTI-HORÁRIA DO EIXO

Este efeito promoverá o refluxo do óleo que eventualmente tenta ultrapassar a aresta de vedação, proporcionando assim ao lábio de vedação uma maior capacidade de estanqueidade e ainda uma maior durabilidade por garantir uma permanente lubrificação na área de contato entre o eixo e o lábio de vedação.

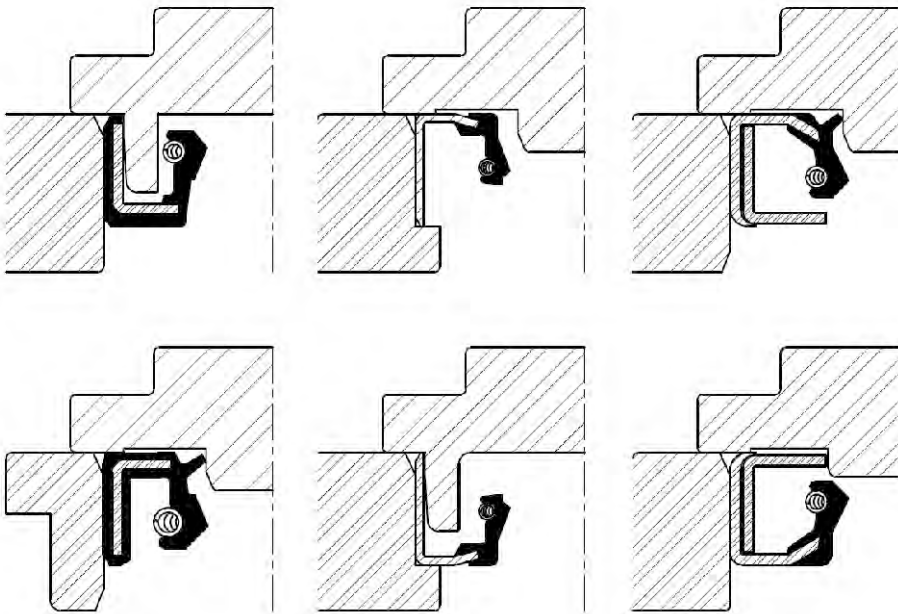
TABELA DE TOLERÂNCIA DIMENSIONAL DO RETENTOR
Adicional ao diâmetro externo para ajuste de montagem em alojamento com diâmetro de tolerância H8

Conforme Norma DIN3760	Superfície externa (diâmetro)	
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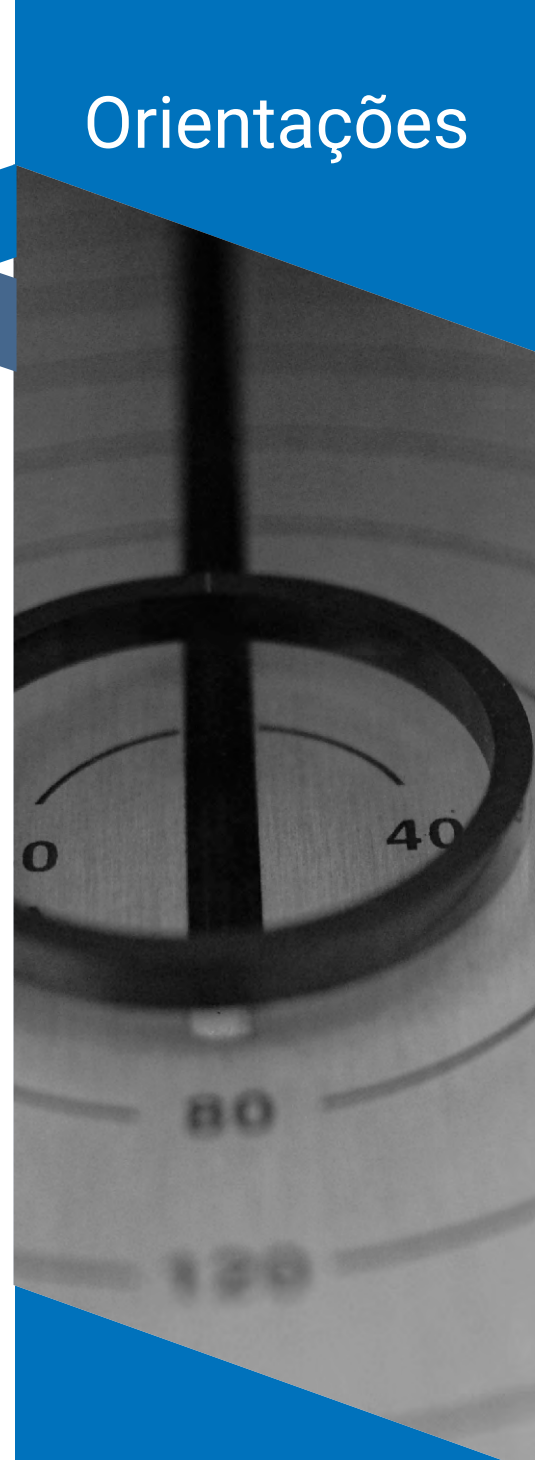
Diâmetro	Lisa	Ondulada	Metálica	Não-Circularidade Máxima
Para \varnothing até 50	+0,30 +0,15	+0,45 +0,25	+0,20 +0,10	0,25
Para $\varnothing > 50 \leq 80$	+0,35 +0,20	+0,45 +0,25	+0,23 +0,13	0,35
Para $\varnothing > 80 \leq 120$	+0,35 +0,20	+0,45 +0,25	+0,25 +0,15	0,50
Para $\varnothing > 120 \leq 180$	+0,45 +0,25	+0,55 +0,30	+0,28 +0,18	0,65
Para $\varnothing > 180 \leq 300$	+0,45 +0,25	+0,55 +0,30	+0,30 +0,20	0,80
Para $\varnothing > 300 \leq 500$	+0,55 +0,30	+0,60 +0,35	+0,33 +0,23	1,00

Altura mm	Tolerância
até 15	$\pm 0,20$
acima de 15	$\pm 0,30$

USO DE DISPOSITIVOS DE MONTAGENS DE RETENTORES



O dispositivo deve ter o valor do diâmetro menor, porém tão próximo quanto possível do valor do diâmetro externo do retentor.



APC

A MARCA DA QUALIDADE

Retentores produzidos e certificados com a qualidade **ISO 9001** no desenvolvimento e produção e compostos elastômericos.

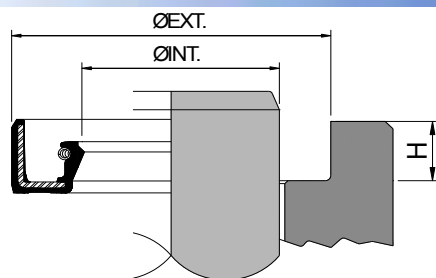
O catálogo foi desenvolvido com estrutura para atender de maneira prática a consulta de nossos retentores.

Ele está dividido por medidas de aplicações, referência de mercado e referência AGEL. Tudo isso visando atualizar e facilitar a pesquisa de nossos clientes.

Em caso de dúvidas quanto à leitura e aplicação do elastômero a ser utilizado, consulte nosso departamento técnico de engenharia.



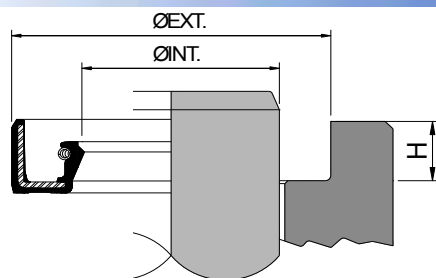
RETENTOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO E LÁBIO DE VEDAÇÃO COM MOLLA



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
TCS0163	5,00	19,00	5,00	NBR	LI	---	9965	15,90	25,40	4,50	NBR	LI	00286
TCS0174	8,00	22,00	7,00	NBR	LI	---	TCS0243	16,00	24,00	4,00	NBR	LI	---
TCS0176	8,00	22,00	7,00	HNBR	LI	---	9137	16,00	24,00	6,00	NBR	LI	---
TCS0175	8,00	22,00	7,00	FPM	LI	---	9003	16,00	28,00	5,50	NBR	LI	---
TCS0177	8,00	24,00	7,00	NBR	LI	---	AG7387	16,00	30,00	10,00	NBR	LI	00795
TCS0180	9,00	22,00	7,00	HNBR	LI	---	TCS0060	16,00	32,00	7,00	NBR	LI	00796
9951	10,00	18,00	6,00	NBR	LI	---	6585	16,30	24,00	7,00	NBR	LI	00726
TCS0837	10,00	19,00	7,00	NBR	LI	02171	6587	17,00	25,00	4,00	NBR	LI	02161
AG7951	10,00	25,40	6,40	FPM	LI	---	6588	17,00	25,00	4,00	FPM	LI	02161
AG7955	10,00	27,00	6,40	FPM	LI	---	6940	17,00	28,00	5,00	NBR	LI	02701
TCS0848	11,00	17,00	4,00	NBR	LI	01737	6321	17,00	28,00	5,00	FPM	LI	02701
TCS0849	11,00	17,00	4,00	NBR AZUL	LI	01737	9811	17,00	28,00	6,00	NBR	LI	01072
TCS0193	12,00	21,00	4,00	NBR	LI	03255	TCS0254	17,00	29,00	5,00	NBR	LI	---
9497	12,00	22,00	7,00	NBR	LI	---	6323	17,00	30,00	7,00	FPM/INOX	LI	---
TCS0196	12,00	24,00	4,50	NBR	LI	---	AX0041	17,00	35,00	7,00	NBR	LI	00853
TCS0199	12,00	25,00	7,00	NBR	LI	---	AG8131	17,00	40,00	7,00	NBR	LI	---
TCS0202	12,00	28,00	7,00	NBR	LI	---	AG8407	17,00	40,00	7,00	MVQ	LI	---
6322	12,00	28,00	7,00	FPM/INOX	LI	---	TCS0090	17,00	40,00	8,50	NBR	LI	01492
9527	12,00	28,00	7,00	MVQ	LI	---	TCS0260	17,40	25,00	4,00	NBR	LI	---
6431	12,00	28,10	7,00	NBR	LI	01420	9655	17,40	28,50	6,20	NBR	LI	---
6584	12,00	28,10	7,00	FPM	LI	01420	9650	18,00	30,00	6,00	FPM	LI	---
TCS0206	12,00	37,00	7,00	NBR	LI	---	9723	18,00	30,00	7,00	NBR	LI	---
TCS0207	12,00	40,00	7,00	NBR	LI	---	5233	19,00	28,60	6,30	NBR	LI	00329
AG7149	12,70	22,35	8,00	NBR	LI	---	5900	19,00	28,60	6,40	FPM	LI	---
9967	12,70	28,65	6,50	NBR	LI	---	4791	19,00	29,00	6,50	NBR	LI	---
TCS0211	13,00	22,00	5,00	NBR	LI	---	TCS0111	19,00	29,00	6,50	NBR	LI	---
9850	14,00	32,00	10,00	NBR	LI	01875	9952	19,00	30,00	7,00	NBR	LI	---
TCS0222	14,73	55,00	6,00	NBR	LI	---	1497	19,00	31,60	7,70	NBR	LI	02263
6622	15,00	23,00	3,00	FPM PT	LI	---	1553	19,00	33,30	9,50	NBR	LI	---
TCS0224	15,00	24,00	6,00	NBR	LI	---	TCS0838	19,05	31,75	6,35	NBR	LI	00821
6490	15,00	24,00	7,00	NBR	LI	00790	6590	20,00	30,00	7,00	NBR	LI	00505
6320	15,00	24,00	7,00	FPM	LI	00790	6432	20,00	32,00	6,00	NBR	LI	00712
TCS0227	15,00	25,00	4,50	NBR	LI	---	6492	20,00	32,00	6,00	FPM	LI	00712
TCS0136	15,00	25,00	7,00	ACM	LI	02309	6591	20,00	32,00	6,00	NBR	LI	00712
TCS0097	15,00	30,00	7,00	NBR	LI	01677	AG7042	20,00	32,00	6,00	HNBR	LI	---
TCS0110	15,00	32,00	7,00	NBR	LI	01907	6324	20,00	32,00	6,00	FPM	LI	00712
5743	15,00	35,00	7,00	NBR	LI	01058	TCS0144	20,00	34,00	7,00	NBR	LI	02486
AG8254	15,00	35,00	7,00	HNBR	LI	---	TCS0292	20,00	34,00	7,00	NBR	LI	02311
AG7491	15,00	35,00	7,00	FPM	LI	01058	TCS0145	20,00	35,00	7,00	MVQ	LI	02486
5224	15,80	25,40	5,50	NBR	LI	---	AG8267	20,00	47,00	7,00	NBR	LI	---

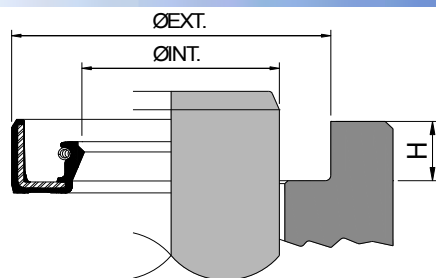
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CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
AG7581	20,00	47,10	10,00	NBR	LI	00909	5670	26,00	39,00	5,30	NBR	LI	---
TCS0773	20,60	41,00	6,30	NBR	LI	---	CX8596	27,00	34,80	4,60	NBR	LI	---
9173	21,00	31,00	6,20	NBR	LI	---	TCS0024	27,00	38,00	5,50	NBR	LI	---
TCS0142	21,50	40,00	7,00	NBR	LI	02418	9818	27,00	38,10	6,40	NBR	LI	01993
TCS0141	21,50	40,00	7,00	ACM	LI	---	AG7200	27,00	39,70	6,35	NBR	LI	---
TCS0947	22,00	30,00	4,00	NBR	LI	---	TCS0023	27,75	37,30	6,50	NBR	LI	---
CX9354	22,00	31,00	6,50	NBR	LI	---	CX9164	28,00	37,00	5,00	NBR	LI	---
4571	22,00	35,00	7,00	NBR	LI	01716	TCS0772	28,00	37,60	6,00	NBR	LI	---
TCS0314	22,00	42,00	5,00	NBR	LI	---	1464	28,00	38,00	5,50	NBR	LI	---
TCS0005	23,00	34,00	6,30	NBR	LI	---	9400	28,00	38,00	7,00	NBR	LI	---
TCS0776	23,00	35,00	6,50	NBR	LI	---	TCS0756	28,00	38,00	7,00	NBR	LI	---
TCS0708	23,00	38,00	7,00	NBR	LI	---	6436	28,00	40,00	7,00	NBR	LI	01495
TCS0323	23,42	29,77	4,78	NBR	LI	---	AG7195	28,00	40,00	7,00	FPM	LI	01495
CX5927	24,00	33,00	7,00	NBR	LI	---	9124	28,00	40,00	7,50	NBR	LI	---
CX9409	24,00	37,00	7,00	NBR	LI	01214	TCS0733	28,00	42,00	7,00	NBR	LI	---
AG7694	24,00	40,00	7,00	NBR	LI	---	TCS0372	28,00	42,00	7,00	FPM	LI	---
9953	25,00	33,00	6,00	NBR	LI	---	3291	28,00	57,00	9,50	NBR	LI	---
CX9361	25,00	34,00	5,00	NBR	LI	---	6295	28,20	38,10	6,00	NBR	LI	---
TCS0829	25,00	34,00	5,00	NBR	LI	---	TCS0375	28,45	38,10	6,35	NBR	LI	---
CX9114	25,00	34,00	7,00	NBR	LI	---	CX9370	28,50	37,60	5,20	NBR	LI	---
6220	25,00	35,00	5,00	FPM	LI	---	5188	28,50	47,60	9,00	NBR	LI	---
6219	25,00	35,00	7,00	NBR	LI	01543	TCS0379	28,58	55,37	12,70	NBR	LI	---
6325	25,00	35,00	7,00	FPM/INOX	LI	---	4589	28,60	39,70	9,50	NBR	LI	00054
AG7043	25,00	35,00	7,00	HNBR	LI	---	TCS0069	28,60	39,75	7,00	NBR	LI	00932
AG7705	25,00	35,00	7,00	MVQ	LI	---	6865	28,60	42,00	5,60	NBR	LI	---
TCS0757	25,00	35,00	7,00	NBR	LI	---	6470	30,00	37,00	4,00	NBR	LI	---
6594	25,00	35,00	7,00	FPM	LI	01543	AG8315	30,00	37,00	4,00	MVQ	LI	---
4519	25,00	36,00	7,00	NBR	LI	01515	AG8467	30,00	37,00	4,00	HNBR	LI	---
6435	25,00	40,00	8,00	NBR	LI	01556	6596	30,00	37,00	4,00	FPM	LI	---
TCS0345	25,00	43,00	6,00	NBR	LI	---	6581	30,00	40,00	5,00	FPM	LI	---
TCS0051	25,00	43,00	10,00	NBR	LI	00506	1499	30,00	40,00	7,00	NBR	LI	01535
5666	25,00	47,00	7,00	NBR	LI	02010	6326	30,00	40,00	7,00	FPM	LI	01535
3335	25,00	47,00	10,00	NBR	LI	00266	TCS0383	30,00	42,00	7,00	NBR	LI	---
TCS0048	25,00	52,00	10,00	NBR	LI	00463	TCS0095	30,00	42,00	8,00	NBR	LI	01667
TCS0355	25,00	62,00	7,00	FPM	LI	---	AG7355	30,00	47,00	6,00	FPM/INOX	LI	---
9950	25,40	36,50	8,60	NBR	LI	---	6520	30,00	47,00	10,00	NBR	LI	00131
9810	26,00	35,00	5,00	NBR	LI	---	TCS0394	30,00	50,00	8,00	NBR	LI	---
6355	26,00	35,00	7,00	NBR	LI	---	TCS0072	30,00	52,00	8,00	NBR	LI	00952
TCS0683	26,00	37,00	7,00	NBR	LI	---	TCS0071	30,00	52,00	10,00	NBR	LI	00949
TCS0006	26,00	38,00	6,50	NBR	LI	---	5468	30,00	62,00	7,00	NBR	LI	---

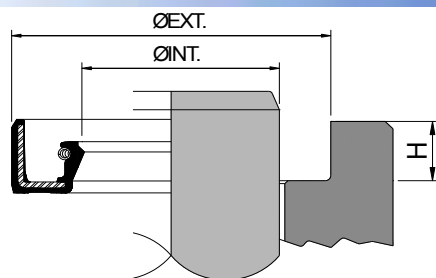
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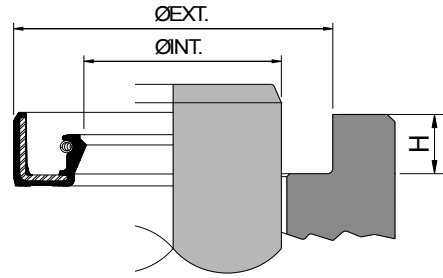
CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
TCS0402	30,00	62,00	7,00	FPM	LI	---	TCS0441	38,00	50,00	7,00	NBR	LI	---
AG7214	30,25	39,70	6,35	NBR	LI	01992	TCS0840	38,00	50,00	7,00	NBR	LI	---
CX9183	31,70	44,50	8,00	NBR	LI	00343	TCS0442	38,00	50,00	8,00	NBR	LI	---
CX5918	31,74	42,80	7,90	NBR	LI	---	1458	38,00	52,00	10,00	NBR	LI	00479
TCS0839	31,75	44,45	6,35	NBR	LI	01149	TCS0147	38,00	52,25	7,00	NBR	LI	02506
TCS0014	33,00	43,00	6,50	NBR	LI	---	5767	38,00	54,00	10,00	NBR	LI	02051
TCS0827	33,00	46,00	7,00	NBR	LI	---	6781	40,00	50,00	6,00	FPM	LI	---
1522	33,00	51,00	8,00	NBR	LI	---	TCS0451	40,00	52,00	7,00	FPM	LI	---
TCS0419	34,00	44,00	4,00	NBR	LI	---	4573	40,00	55,15	10,00	NBR	LI	01745
TCS0420	34,00	44,00	7,00	NBR	LI	---	6941	40,00	56,00	8,00	NBR	LI	00880
CX9416	34,00	46,00	7,00	NBR	LI	---	AG7682	40,00	56,00	8,00	MVQ	LI	---
TCS0092	34,00	52,00	7,50	NBR	LI	01509	AG8182	40,00	56,00	8,00	HNBR	LI	---
TCS0424	34,93	47,63	6,35	NBR	LI	---	6329	40,00	56,00	8,00	FPM	LI	00880
9999	35,00	42,00	4,00	NBR	LI	---	6447	40,00	56,00	8,00	FPM	LI	---
6446	35,00	45,00	7,00	FPM	LI	---	6483	40,00	56,00	8,00	FPM	LI	---
AG7901	35,00	45,00	7,00	MVQ	LI	---	AG7649	40,00	62,00	10,00	NBR	LI	---
AG8210	35,00	45,00	7,00	HNBR	LI	---	4903	40,00	62,00	11,50	NBR	LI	01109
6327	35,00	45,00	7,00	FPM	LI	---	6518	40,00	62,00	11,50	NBR	LI	01109
TCS0677	35,00	46,00	7,00	NBR	LI	---	AG7747	40,00	62,00	11,50	FPM	LI	01109
5705	35,00	47,00	7,00	FPM	LI	---	5671	40,00	65,00	10,00	NBR	LI	---
6656	35,00	47,00	7,00	NBR	LI	---	3356	40,00	72,00	7,00	NBR	LI	---
TCS0054	35,00	47,05	10,00	NBR	LI	00520	4657	40,00	80,10	10,00	NBR	LI	00913
AG8217	35,00	48,00	5,50	NBR	LI	---	TCS0466	41,28	61,90	12,70	NBR	LI	---
5846	35,00	52,00	5,00	NBR	LI	---	5910	42,00	56,00	7,00	NBR	LI	00288
4787	35,00	52,00	7,00	NBR	LI	---	AX0042	42,00	56,00	7,00	NBR	LI	---
5130	35,00	52,00	7,00	FPM	LI	---	TCS0720	42,00	62,00	6,00	NBR	LI	01802
6328	35,00	52,00	7,00	FPM	LI	---	AX0224	42,00	62,10	10,00	NBR	LI	00521
AX0232	35,00	52,10	10,00	NBR	LI	01742	TCS0091	42,00	65,00	10,00	NBR	LI	01505
4518	35,00	55,00	8,00	NBR	LI	01980	3952	42,00	68,00	10,00	NBR	LI	---
TCS0115	35,00	55,00	8,00	NBR	LI	01980	AX0225	42,00	72,00	12,00	NBR	LI	01081
4749	35,00	55,50	6,40	NBR	LI	00284	TCS0013	43,00	62,00	10,00	NBR	LI	---
4590	35,00	58,00	10,00	NBR	LI	01551	TCS0139	44,00	60,00	7,00	NBR	LI	---
TCS0029	35,00	60,25	12,70	NBR	LI	---	1495	44,30	81,00	12,50	NBR	LI	02196
TCS0062	35,00	62,00	9,50	NBR	LI	---	6967	44,50	57,15	9,40	NBR	LI	00734
AG7829	35,00	72,00	7,00	NBR	LI	---	3516	44,50	57,15	12,70	NBR	LI	---
AG8259	35,00	72,00	7,00	MVQ	LI	---	4684	44,50	66,65	12,70	NBR	LI	00128
AG8477	35,00	72,00	7,00	NBR	LI	---	6602	45,00	55,00	6,00	FPM	LI	---
TCS0438	36,00	50,00	7,00	FPM	LI	---	AG8031	45,00	62,00	7,00	NBR	LI	---
TCS0061	36,00	54,00	7,00	NBR	LI	00797	AG8258	45,00	62,00	7,00	HNBR	LI	---
1471	37,00	50,00	12,00	NBR	LI	---	AG8266	45,00	62,00	7,00	MVQ	LI	---

RETENTOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO E LÁBIO DE VEDAÇÃO COM MOLLA



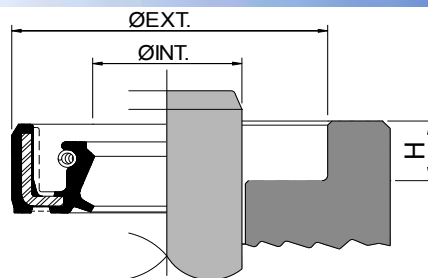
MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
6603	45,00	62,00	7,00	FPM	LI	---	1549	60,00	80,00	8,00	NBR	LI	00036
6604	45,00	62,00	7,00	FPM PT	LI	---	AG7635	60,00	80,00	8,00	FPM	LI	---
TCS0513	45,00	62,00	8,00	FPM	LI	---	TCS0895	60,00	80,00	13,00	NBR	LI	00818
1551	45,00	62,00	8,50	NBR	LI	---	TCS0073	60,00	82,00	12,00	NBR	LI	00977
4572	45,00	64,95	12,00	NBR	LI	01344	TCS0914	60,00	85,10	12,70	NBR	LI	01194
AG7347	45,00	65,00	7,00	NBR	BI	---	4137	60,40	79,35	9,30	NBR	LI	01050
TCS0936	45,00	65,00	10,00	NBR	LI	00359	TCS0517	62,00	85,00	10,00	NBR	LI	00460
TCS0053	45,00	72,00	12,00	NBR	LI	00509	4243	63,00	85,00	8,00	FPM	LI	---
4491	45,00	75,00	10,00	NBR	LI	---	1463	63,50	76,10	9,50	NBR	LI	00907
3265	46,00	65,00	8,00	NBR	LI	---	4425	63,50	82,55	9,50	NBR	LI	---
1984	47,60	69,85	9,50	NBR	LI	01699	TCS0572	64,00	80,00	8,00	NBR	LI	---
4627	48,00	65,00	10,00	FPM	H	---	4335	65,00	80,00	8,00	NBR	LI	01160
TCS0529	48,00	70,00	12,00	NBR	LI	---	TCS0037	65,00	90,00	13,00	NBR	LI	00164
4674	49,00	75,00	11,00	NBR	LI	01017	1302	65,00	100,00	9,50	NBR	LI	---
6605	50,00	60,00	6,00	FPM	LI	---	6971	66,70	92,00	12,00	NBR	H	---
6606	50,00	65,00	8,00	NBR	LI	01422	1470	66,70	95,25	12,70	NBR	LI	00379
AG7736	50,00	65,00	8,00	FPM	LI	01422	1534	68,00	90,00	10,00	NBR	LI	02445
6516	50,00	68,00	10,00	NBR	LI	01340	TCS0723	68,00	100,00	10,00	NBR	LI	---
4789	50,00	70,00	10,00	NBR	LI	00946	1457	69,90	88,90	9,50	NBR	LI	---
4654	52,00	68,00	8,00	FPM	H	---	6607	70,00	85,00	7,00	FPM	LI	---
TCS0540	52,00	71,00	9,00	NBR	LI	---	5716	70,00	85,00	8,00	NBR	LI	00906
5667	54,00	72,00	8,00	NBR	LI	00563	5747	70,00	85,00	8,00	MVQ	LI	00906
6942	55,00	70,00	8,00	NBR	LI	01181	6333	70,00	85,00	8,00	FPM	LI	00906
AG8257	55,00	70,00	8,00	HNBR	LI	---	AG7626	72,00	90,00	10,00	NBR	LI	---
6331	55,00	70,00	8,00	FPM	LI	01181	AG8308	72,00	90,00	10,00	FPM	LI	---
6448	55,00	70,00	8,00	FPM PT	LI	---	TCS0148	75,00	95,00	10,00	NBR	LI	02531
3254	55,00	72,00	10,00	NBR	LI	01550	4775	75,00	95,10	13,00	NBR	LI	00046
TCS0081	55,00	85,00	13,00	NBR	LI	01180	9455	75,00	100,00	10,00	NBR	LI	---
TCS0557	55,00	100,00	12,00	NBR	LI	---	TCS0041	75,00	100,00	12,00	NBR	LI	00269
TCS0096	55,00	100,20	12,70	NBR	LI	---	TCS0596	75,00	110,00	13,00	NBR	LI	---
3292	57,10	79,40	9,50	NBR	H	---	AX0228	79,40	114,30	12,70	NBR	LI	01148
1716	57,15	85,70	12,70	NBR	LI	---	9528	80,00	100,00	7,00	NBR	LI	---
TCS0558	58,00	80,00	7,00	NBR	LI	---	5526	80,00	100,00	7,00	FPM	LI	---
TCS0561	60,00	72,00	8,00	FPM	LI	---	6657	80,00	100,00	10,00	NBR	LI	00610
6491	60,00	75,00	8,00	NBR	LI	00501	AG7545	80,00	100,00	10,00	MVQ	LI	---
AG7670	60,00	75,00	8,00	MVQ	LI	---	6334	80,00	100,00	10,00	FPM	LI	00610F
AG8219	60,00	75,00	8,00	HNBR	LI	---	6450	80,00	100,00	10,00	FPM/INOX	LI	---
6332	60,00	75,00	8,00	FPM	LI	00501F	4328	82,00	100,00	10,00	NBR	LI	---
6449	60,00	75,00	8,00	FPM/INOX	LI	---	AG7178	82,00	100,00	10,00	FPM	LI	---
6536	60,00	80,00	7,00	NBR	BI	---	6609	85,00	110,00	7,50	FPM	LI	---

RETENTOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO E LÁBIO DE VEDAÇÃO COM MOLLA

MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
3513	85,00	110,00	12,00	NBR	LI	01767							
6024	85,00	110,00	12,00	FPM	LI	---							
AG7689	86,00	110,00	12,00	FPM	LI	---							
1548	90,00	110,00	12,00	NBR	LI	02574							
6610	90,00	110,00	12,00	FPM	LI	02574							
4397	95,00	110,00	9,00	FPM	LI	---							
6611	95,00	115,00	11,80	FPM	LI	---							
4499	95,00	115,00	13,00	NBR	LI	----							
4211	95,00	115,00	13,00	FPM	LI	---							
6335	95,00	115,00	13,00	FPM	LI	---							
TCS0903	102,00	130,00	13,00	NBR	LI	00616							
1480	105,00	140,00	13,00	NBR	LI	02195							
4098	108,00	130,00	13,00	FPM	LI	---							
1958	110,00	130,00	13,00	NBR	LI	---							
4177	110,00	140,00	13,00	FPM PT	LI	---							
4099	110,00	140,00	13,00	FPM	LI	---							
6336	110,00	140,00	13,00	FPM/INOX	LI	---							
TCS0924	115,00	140,35	13,00	NBR	LI	---							
6343	120,00	150,00	12,00	FPM	LI	---							
6340	125,00	150,00	12,00	FPM	LI	---							
TCS0047	125,00	150,35	13,00	NBR	LI	00420							
TCS0841	130,00	160,00	12,00	NBR	LI	01193							
4391	130,00	160,00	15,00	FPM	LI	---							
4500	140,00	170,00	13,00	NBR	LI	00502							
AG8192	140,00	170,00	15,00	FPM	LI	---							
TCS0398	142,90	171,05	14,30	NBR	LI	00248							
TCS0653	150,00	180,00	12,00	NBR	LI	---							
TCS0088	150,00	180,00	15,00	NBR	LI	01424							
4329	170,00	197,00	15,00	NBR	LI	---							
TCS0657	180,00	220,00	15,00	NBR	LI	---							
TCS0039	190,00	220,00	14,80	NBR	LI	00268							
4637	195,00	225,00	15,00	NBR	LI	---							
TCS0850	200,00	230,00	13,00	NBR	LI	---							

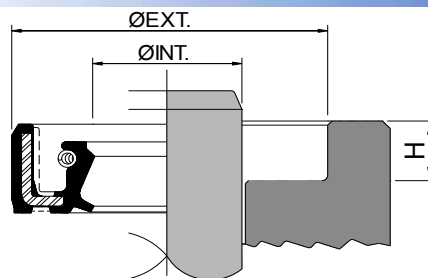
RETENTOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO, LÁBIO DE VEDAÇÃO COM MOLLA E VEDAÇÃO AUXILIAR



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
TCS0166	6,00	12,00	5,00	NBR	LI	---	TCS0230	15,00	30,00	5,00	NBR	LI	---
TCS0167	6,00	16,00	7,00	NBR	LI	---	TCS0231	15,00	30,00	5,00	FPM	LI	---
TCS0168	6,60	14,50	7,00	NBR	LI	---	TCS0233	15,00	30,00	7,00	NBR	LI	---
TCS0171	7,00	14,00	4,00	NBR	LI	---	TCS0813	15,00	30,00	10,00	NBR	LI	01348
TCS0172	7,00	22,00	7,00	NBR	LI	---	TCS0234	15,00	32,00	7,00	NBR	LI	01907
TCS0127	8,00	18,00	5,00	NBR	LI	02163	TCS0235	15,00	32,00	7,00	FPM	LI	01907
TCS0727	8,50	16,00	6,50	NBR	LI	0998	TCS0236	15,00	35,00	5,00	NBR	LI	---
TCS0186	10,00	19,00	7,00	FPM	LI	---	AG7522	15,00	35,00	7,00	NBR	LI	---
TCS0188	10,00	20,00	7,00	NBR	LI	---	AG8255	15,00	35,00	7,00	NBR	LI	---
TCS0189	10,00	21,00	5,00	FPM	LI	03005	TCS0814	15,00	35,00	10,00	NBR	LI	---
TCS0191	11,60	24,00	10,00	NBR	LI	---	TCS0240	15,00	42,00	8,00	NBR	LI	---
TCS0787	12,00	21,00	5,00	NBR	LI	03005	1496	15,80	28,60	6,40	NBR	LI	---
TCS0149	12,00	22,00	5,00	NBR	LI	02535	TCS0018	16,00	26,00	5,00	FPM	LI	---
TCS0194	12,00	22,00	7,00	NBR	LI	---	TCS0137	16,00	28,00	7,00	NBR	LI	02310
TCS0197	12,00	24,00	7,00	NBR	LI	---	TCS0244	16,00	30,00	7,00	NBR	LI	---
TCS0198	12,00	25,00	5,00	NBR	LI	---	TCS0871	16,00	30,00	10,00	NBR	LI	00795
TCS0200	12,00	25,00	7,00	NBR	LI	---	TCS0246	16,00	32,00	7,00	NBR	LI	00796
TCS0201	12,00	25,00	7,00	FPM	LI	---	TCS0245	16,00	32,00	7,00	FPM	LI	---
6553	12,00	28,10	7,00	NBR	LI	---	TCS0247	16,00	35,00	7,00	NBR	LI	---
TCS0204	12,00	30,00	8,00	NBR	LI	---	TCS0021	16,90	27,90	5,00	FPM	LI	---
TCS0436	13,00	24,00	7,00	NBR	LI	---	TCS0248	17,00	24,00	5,00	NBR	LI	---
TCS0781	13,00	26,00	7,00	NBR	LI	02373	TCS0249	17,00	24,00	7,00	NBR	LI	---
TCS0212	13,00	26,00	7,00	FPM	LI	---	TCS0151	17,00	25,00	4,00	NBR	LI	02571
TCS0213	13,00	28,00	7,00	NBR	LI	---	TCS0250	17,00	28,00	5,00	NBR	LI	02701
TCS0215	13,70	24,00	5,00	NBR	LI	---	TCS0251	17,00	28,00	6,00	NBR	LI	01072
TCS0953	14,00	22,00	4,00	ACM	LI	---	5728	17,00	28,00	6,50	NBR	LI	01072
TCS0812	14,00	22,00	5,00	NBR	LI	03252	TCS0252	17,00	28,00	7,00	NBR	LI	---
TCS0216	14,00	24,00	6,00	NBR	LI	02162	TCS0255	17,00	29,00	7,00	NBR	LI	---
TCS0218	14,00	25,00	5,00	NBR	LI	---	1527	17,00	30,00	7,00	NBR	LI	02730
TCS0217	14,00	25,00	5,00	FPM	LI	---	CX9123	17,00	30,00	7,00	NBR	AH	---
TCS0219	14,00	26,00	7,00	NBR	LI	---	TCS0256	17,00	32,00	7,00	NBR	LI	02425
TCS0135	14,00	28,00	7,00	NBR	LI	02308	TCS0257	17,00	32,00	8,00	NBR	LI	---
TCS0220	14,00	30,00	7,00	NBR	LI	---	TCS0258	17,00	35,00	7,00	NBR	LI	00853
TCS0221	14,00	32,00	7,00	NBR	LI	---	TCS0815	17,00	35,00	10,00	NBR	LI	01415
TCS0223	15,00	24,00	5,00	NBR	LI	---	TCS0259	17,00	36,00	7,00	NBR	LI	---
AG7523	15,00	24,00	7,00	NBR	LI	---	TCS0262	18,00	28,00	7,00	NBR	LI	---
TCS0226	15,00	25,00	4,00	NBR	LI	---	TCS0676	18,00	28,00	5,00	NBR	LI	---
TCS0228	15,00	25,00	5,00	NBR	LI	---	TCS0002	18,00	30,00	5,00	NBR	LI	---
5727	15,00	25,00	6,00	NBR	LI	02454	TCS0263	18,00	30,00	6,00	NBR	LI	---
TCS0229	15,00	26,00	7,00	NBR	LI	07518	CX6032	18,00	30,00	7,00	NBR	LI	00496

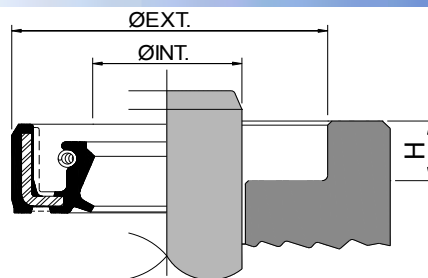
RETENTOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO, LÁBIO DE VEDAÇÃO COM MOLLA E VEDAÇÃO AUXILIAR



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
5703	18,00	30,00	9,50	NBR	LI	---	9690	19,50	33,00	7,30	FPM	LI	---
TCS0481	18,00	30,00	7,00	NBR	LI	---	TCS0282	19,80	30,00	6,00	FPM	LI	---
TCS0264	18,00	32,00	7,00	NBR	LI	---	TCS0284	20,00	30,00	6,00	NBR	LI	---
TCS0265	18,00	32,00	7,00	FPM	LI	---	CX5899	20,00	30,00	7,00	NBR	LI	---
TCS0686	18,00	32,00	8,00	NBR	LI	---	TCS0285	20,00	30,00	7,00	NBR	LI	---
TCS0266	18,00	35,00	7,00	NBR	LI	---	AG7275	20,00	30,00	7,00	FPM	LI	---
TCS0267	18,00	35,00	8,00	NBR	LI	---	TCS0287	20,00	30,00	8,00	NBR	LI	---
TCS0268	18,00	40,00	8,00	FPM	LI	---	CX9397	20,00	30,00	5,00	NBR	LI	---
3163	18,20	30,00	6,00	NBR	LI	---	TCS0288	20,00	32,00	5,00	NBR	LI	---
CX9358	18,70	35,00	7,00	NBR	LI	---	TCS0833	20,00	32,00	5,50	NBR	LI	---
TCS0823	18,70	35,00	7,00	NBR	LI	---	CX9182	20,00	32,00	6,00	NBR	LI	---
TCS0019	18,75	37,50	5,50	NBR	LI	---	5738	20,00	32,00	6,50	NBR	LI	---
TCS0269	18,90	30,00	5,00	NBR	LI	---	TCS0290	20,00	32,00	7,00	NBR	LI	---
TCS0946	19,00	28,00	5,00	NBR	LI	---	TCS0291	20,00	32,00	8,00	FPM	LI	---
CX9829	19,00	28,80	5,00	NBR	LI	---	TCS0293	20,00	35,00	5,00	NBR	LI	---
TCS0016	19,00	29,00	7,00	NBR	LI	---	TCS1014	20,00	35,00	6,00	NBR	LI	---
CX7839	19,00	29,20	7,00	NBR	LI	---	5459	20,00	35,00	7,00	NBR	LI	---
9805	19,00	29,80	5,00	NBR	LI	---	TCS0294	20,00	35,00	8,00	NBR	LI	01386
CX9861	19,00	30,00	5,60	NBR	LI	---	CX9201	20,00	35,50	6,00	NBR	LI	---
TCS0270	19,00	30,00	6,00	NBR	LI	---	TCS0296	20,00	36,00	7,00	NBR	LI	---
TCS0824	19,00	30,00	5,00	NBR	LI	---	TCS0754	20,00	36,00	7,00	NBR	LI	---
5678	19,00	31,70	6,40	NBR	LI	00569	TCS0295	20,00	36,00	7,00	ACM	LI	---
TCS0678	19,00	32,00	5,00	NBR	LI	---	5742	20,00	36,00	6,30	NBR	LI	---
CX9237	19,00	32,00	7,00	FPM	LI	---	TCS0297	20,00	38,00	5,00	NBR	LI	---
TCS0271	19,00	32,00	8,00	NBR	LI	---	TCS0043	20,00	38,00	7,00	NBR	LI	---
CX9403	19,00	32,00	6,00	NBR	LI	---	AX0174	20,00	38,00	15,00	NBR	LI	---
CX9394	19,00	32,00	7,00	NBR	LI	---	CX9156	20,00	39,70	6,50	NBR	LI	02433
6521	19,00	35,00	7,00	NBR	LI	00784	AG7647	20,00	40,00	6,00	NBR	LI	01245
TCS0272	19,00	35,00	7,00	NBR	LI	---	5154	20,00	40,00	7,00	NBR	LI	00994
TCS0273	19,00	35,00	7,00	FPM	LI	---	TCS0298	20,00	40,00	8,00	NBR	LI	---
TCS0274	19,00	36,00	7,00	NBR	LI	---	TCS0299	20,00	40,00	10,00	NBR	LI	---
TCS0275	19,00	38,00	7,00	NBR	LI	---	TCS0022	20,00	41,30	6,50	NBR	LI	---
TCS0015	19,00	38,00	7,00	NBR	LI	---	CX6079	20,00	42,00	7,00	NBR	LI	---
TCS0276	19,00	40,00	8,00	FPM	LI	---	CX9115	20,00	42,50	7,00	NBR	LI	---
TCS0277	19,00	47,00	7,00	NBR	LI	---	TCS0300	20,00	47,00	7,00	NBR AZ	LI	---
CX9419	19,05	34,60	4,40	NBR	LI	---	TCS0301	20,00	47,00	7,00	NBR	LI	---
TCS0826	19,05	34,60	6,30	NBR	LI	---	TCS0302	20,00	47,00	8,00	NBR	LI	---
TCS0971	19,05	38,00	5,00	NBR	LI	---	TCS0303	20,00	52,00	8,00	NBR	LI	---
TCS0281	19,05	38,10	7,94	NBR	LI	---	5653	21,00	33,00	8,00	FPM	LI	---
9765	19,50	30,00	6,00	FPM	LI	---	TCS0304	21,00	35,00	7,00	FPM AZ	LI	---

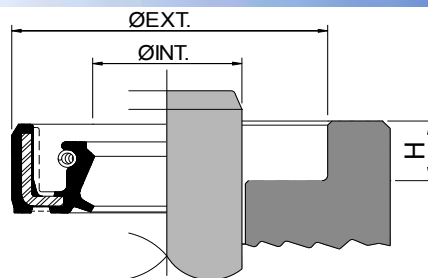
RETENTOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO, LÁBIO DE VEDAÇÃO COM MOLLA E VEDAÇÃO AUXILIAR



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
CX9366	21,00	35,50	6,00	NBR	LI	---	TCS0338	25,00	38,00	7,00	FPM	LI	---
TCS0305	21,50	35,00	8,00	NBR	LI	---	TCS0339	25,00	38,00	8,00	NBR	LI	---
CX9399	22,00	32,00	5,00	NBR	LI	01727	CX9393	25,00	38,10	7,00	NBR	LI	---
CX9096	22,00	32,00	7,00	NBR	LI	01554	TCS0340	25,00	40,00	7,00	NBR	LI	---
TCS0309	22,00	34,00	7,00	NBR	LI	---	TCS0819	25,00	40,00	7,00	FPM	LI	02570
3215	22,00	35,00	7,00	NBR	LI	02572	CX9230	25,00	40,00	8,00	NBR	LI	02233
TCS0311	22,00	38,00	8,00	NBR	LI	01112	TCS0341	25,00	40,00	8,00	FPM	LI	---
TCS0312	22,00	40,00	6,00	NBR	LI	---	6181	25,00	40,00	9,00	NBR	LI	02148
4609	22,00	40,00	7,00	NBR	LI	00761	TCS0342	25,00	42,00	6,00	NBR	LI	01604
TCS0316	22,00	42,00	7,00	NBR	LI	---	TCS0343	25,00	42,00	7,00	NBR	LI	---
TCS0317	22,00	42,00	10,00	NBR	LI	00815	TCS0347	25,00	45,00	7,00	NBR	LI	---
TCS0318	22,00	42,00	10,00	FPM	LI	01914	TCS0348	25,00	45,00	11,00	NBR	LI	---
TCS0319	22,00	47,00	8,00	NBR	LI	---	TCS0349	25,00	47,00	5,00	FPM AZ	LI	---
1521	22,20	35,00	9,50	NBR	LI	---	3900	25,00	47,00	7,00	NBR	LI	02010
1498	22,20	35,00	9,50	FPM	LI	---	TCS0350	25,00	47,00	7,00	FPM	LI	---
3123	22,20	50,80	12,70	NBR	LI	---	AG7927	25,00	47,00	8,00	NBR	LI	---
TCS0020	22,22	31,75	6,00	NBR	LI	---	CX9106	25,00	47,00	10,00	NBR	LI	02046
CX9190	22,30	34,95	6,40	NBR	LI	00572	TCS0353	25,00	50,00	10,00	FPM	LI	---
TCS0320	22,50	37,00	7,00	FPM AZ	LI	---	TCS0780	25,00	50,00	10,00	NBR	LI	---
TCS0321	23,00	34,00	6,00	NBR	LI	---	TCS0153	25,00	52,00	7,00	NBR	LI	---
TCS0322	23,00	35,00	6,00	NBR	LI	---	AG7524	25,00	52,00	8,00	NBR	LI	02727
TCS1006	24,00	33,00	5,00	NBR	LI	---	AG8408	25,00	52,00	8,00	MVQ	LI	---
CX9405	24,00	33,00	5,00	NBR	LI	---	AG8468	25,00	52,00	8,00	HNBR	LI	---
TCS0324	24,00	35,00	7,00	NBR	LI	---	TCS0354	25,00	52,00	10,00	NBR	LI	---
TCS0325	24,00	40,00	7,00	NBR	LI	---	TCS0356	25,00	62,00	7,00	NBR	LI	---
TCS0326	24,00	40,00	8,00	FPM	LI	---	TCS0357	25,00	62,00	10,00	NBR	LI	---
4608	24,00	47,00	7,00	NBR	LI	00763	TCS0359	25,40	38,10	9,53	NBR	LI	---
TCS0327	70,00	120,00	10,00	NBR	LI	---	4848	25,40	50,00	7,50	NBR	LI	---
6835	25,00	35,00	6,00	FPM	H	03025	4851	25,40	52,00	7,00	NBR	LI	---
CX8228	25,00	35,00	6,00	FPM	LI	---	TCS0834	26,00	34,00	4,50	NBR	LI	---
TCS0330	25,00	35,00	7,00	NBR	LI	---	TCS0767	26,00	35,00	6,00	NBR	LI	---
TCS0820	25,00	35,00	7,00	FPM	LI	02802	6595	26,00	35,00	7,00	NBR	LI	02568
TCS0912	25,00	35,00	10,00	NBR	LI	---	CX8317	26,00	35,50	6,00	NBR	LI	---
CX8536	25,00	35,40	6,50	NBR	LI	---	TCS0682	26,00	35,50	6,50	NBR	LI	---
TCS0991	25,00	36,00	5,00	NBR	LI	---	CX6068	26,00	37,00	7,00	NBR	LI	01045
TCS0331	25,00	37,00	5,00	NBR	LI	---	TCS0786	26,00	37,00	7,00	NBR	LI	---
TCS0332	25,00	37,00	6,00	NBR	LI	---	CX9208	26,00	38,10	5,70	NBR	LI	---
TCS0333	25,00	37,00	7,00	NBR	LI	---	TCS0360	26,00	42,00	7,00	FPM AZ	LI	---
CX9936	25,00	38,00	7,00	NBR	LI	---	TCS0361	26,00	42,00	8,00	NBR	LI	---
TCS0337	25,00	38,00	7,00	NBR	LI	---	AX0040	26,00	42,00	8,00	FPM	LI	---

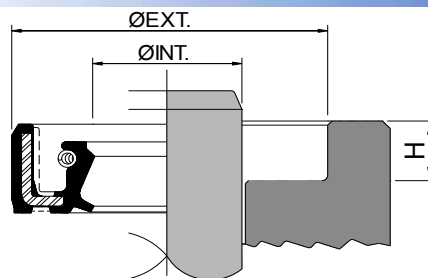
RETENTOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO, LÁBIO DE VEDAÇÃO COM MOLLA E VEDAÇÃO AUXILIAR



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
TCS0080	26,00	42,00	10,00	NBR	LI	01151	TCS0388	30,00	43,00	8,00	NBR	LI	---
TCS0363	26,00	48,00	8,00	NBR	LI	---	9572	30,00	44,00	6,00	NBR	LI	---
TCS0364	27,00	38,00	6,00	NBR	LI	---	TCS0289	30,00	45,00	7,00	NBR	LI	---
6095	27,00	38,10	9,00	FPM	LI	---	TCS0389	30,00	45,00	8,00	NBR	---	---
TCS0138	27,00	39,00	10,50	NBR	LI	02312	TCS0390	30,00	45,00	8,00	FPM	---	---
TCS0365	27,00	42,00	7,00	NBR	LI	---	1975	30,00	46,00	20,00	NBR	LI	---
AX0014	27,00	42,00	10,00	NBR	LI	---	6597	30,00	47,00	6,00	FPM/INOX	LI	---
5668	28,00	37,00	7,00	NBR	LI	---	6736	30,00	47,00	7,00	NBR	LI	---
TCS0366	28,00	38,00	7,00	NBR	LI	---	AG7680	30,00	47,00	7,00	FPM	AH	02376
TCS0954	28,00	38,30	5,00	NBR	LI	---	CX9398	30,00	47,00	6,00	NBR	LI	01695
TCS0367	28,00	40,00	5,00	NBR	LI	---	TCS0392	30,00	48,00	7,00	NBR	LI	---
CX6044	28,00	40,00	6,00	NBR	LI	---	AG7369	30,00	50,00	7,00	NBR	LI	---
TCS0368	28,00	40,00	6,00	FPM	LI	---	TCS0393	30,00	50,00	7,00	FPM	LI	---
TCS0369	28,00	40,00	7,00	NBR	LI	01495	TCS0395	30,00	50,00	8,00	NBR	LI	---
TCS0370	28,00	40,00	8,00	NBR	LI	02413	TCS0396	30,00	50,00	10,00	FPM	LI	---
CX6998	28,00	40,00	7,00	NBR	LI	---	TCS0779	30,00	50,00	10,00	NBR	LI	00358
TCS0371	28,00	42,00	6,00	NBR	LI	---	4575	30,00	50,00	11,00	NBR	LI	00911
TCS0373	28,00	44,00	7,00	NBR	LI	---	TCS0238	30,00	52,00	6,00	MVO/PTFE	LI	---
TCS0374	28,00	45,00	8,00	NBR	LI	---	6437	30,00	52,00	8,00	NBR	LI	02813
TCS0378	28,58	41,28	6,35	NBR	LI	---	1512	30,00	52,40	7,00	NBR	LI	---
5673	28,58	50,80	6,35	NBR	LI	---	AG7933	30,00	55,00	7,00	NBR	LI	---
1426	28,60	38,00	7,00	NBR	LI	01022	TCS0401	30,00	60,00	10,00	FPM	LI	---
TCS0791	28,60	38,10	5,95	NBR	LI	01299	AX0246	30,00	62,00	7,00	NBR	LI	---
AG7684	28,60	38,10	6,00	NBR	LI	01299	AG7711	30,00	62,00	10,00	NBR	LI	---
5651	28,60	41,20	7,00	NBR	BI	---	9171	30,00	62,00	10,00	FPM	LI	---
1518	28,60	41,20	10,00	NBR	BI	---	TCS0919	30,00	72,00	9,50	NBR	LI	01182
9066	29,00	43,00	8,00	FPM	LI	---	AG7234	31,00	46,00	7,00	FPM	H	---
9013	29,00	45,00	9,50	NBR	LI	---	AG7512	31,00	46,00	7,00	FPM	H	---
AG7769	29,40	38,10	4,75	FPM	LI	---	AG7231	31,00	46,00	8,00	NBR	LI	---
6680	29,40	42,85	8,00	NBR	LI	02153	5839	31,00	50,00	8,00	FPM PT	H	02317
6549	30,00	37,00	4,00	NBR	LI	---	1462	31,70	50,80	12,70	NBR	LI	---
TCS0380	30,00	40,00	5,00	NBR	LI	---	CX9184	31,75	44,45	10,00	NBR	LI	---
4152	30,00	40,00	6,00	NBR	LI	---	6600	32,00	42,00	7,00	NBR	LI	---
6522	30,00	40,00	7,00	NBR	LI	001535	AG7428	32,00	42,00	7,00	FPM	LI	---
AG7396	30,00	40,00	7,00	FPM	LI	---	6552	32,00	42,00	8,00	FPM	H	---
TCS0381	30,00	42,00	5,00	NBR	LI	---	AG7514	32,00	42,00	8,00	FPM	H	---
AG7737	30,00	42,00	7,00	NBR	LI	---	AG7368	32,00	44,00	6,00	FPM	H	05580
TCS0386	30,00	42,00	8,00	NBR	LI	---	TCS0411	32,00	44,00	7,00	NBR	LI	---
TCS0387	30,00	42,00	8,00	FPM	LI	---	5643	32,00	44,00	8,00	NBR	LI	---
6994	30,00	42,00	10,00	NBR	LI	02234	CX6069	32,00	45,00	7,00	NBR	LI	02984

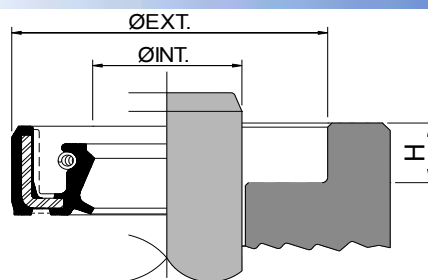
RETENTOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO, LÁBIO DE VEDAÇÃO COM MOLLA E VEDAÇÃO AUXILIAR



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
5704	32,00	45,00	9,50	NBR	LI	---	3276	35,00	55,00	11,00	NBR	LI	---
TCS0412	32,00	46,00	6,00	NBR	LI	---	6120	35,00	55,00	11,00	FPM	H	---
AG7232	32,00	46,00	6,00	FPM	H	05784	TCS1002	35,00	56,00	10,00	NBR	LI	02224
6221	32,00	47,00	10,00	NBR	BI	---	TCS0439	35,00	60,00	10,00	NBR	LI	---
TCS0413	32,00	50,00	8,00	NBR	LI	00839	AG7316	35,00	62,00	7,00	NBR	LI	---
TCS0414	32,00	50,00	10,00	FPM	LI	---	9475	35,00	62,00	10,00	FPM	LI	01949
TCS0239	32,00	52,00	6,00	PTFE	LI	---	AG7370	35,00	62,00	10,00	NBR	LI	01949
AX0236	32,00	52,00	7,00	NBR	LI	02699	4701	35,00	65,00	12,00	NBR	LI	---
6538	32,00	52,10	10,00	NBR	LI	00801	TCS0437	35,00	70,00	8,00	NBR	LI	---
TCS0416	32,00	55,00	10,00	FPM	LI	---	4750	35,00	80,00	10,00	NBR	LI	---
TCS0417	32,00	58,00	10,00	NBR	LI	---	CX9404	36,00	44,10	5,00	NBR	LI	---
TCS0418	32,00	62,00	8,00	NBR	LI	---	AG8140	36,00	44,10	5,00	FPM	LI	---
AG7229	33,00	72,30	9,50	NBR	LI	---	4549	36,00	52,00	11,00	NBR	LI	---
6173	34,00	47,00	7,00	NBR	LI	---	AG8032	36,00	56,00	10,00	NBR	LI	00615
TCS0421	34,00	48,00	8,00	NBR	LI	---	TCS0104	36,00	60,00	9,50	NBR	LI	01814
TCS0422	34,00	55,00	10,00	FPM	LI	---	TCS0721	36,00	63,50	8,00	NBR	LI	---
TCS0423	34,00	58,00	6,00	NBR	LI	---	9916	36,50	47,60	6,35	FPM	LI	---
4588	34,00	62,10	10,00	NBR	LI	01157	TCS0440	36,50	62,00	7,00	NBR	LI	---
1307	34,00	62,10	10,00	FPM	LI	01157	6493	36,60	50,80	8,00	NBR	LI	---
AG7307	34,90	57,15	8,00	FPM	LI	---	AG8307	36,60	50,80	8,00	NBR	LI	---
AG7910	34,92	52,00	6,00	FPM	LI	---	TCS0789	37,00	83,00	12,00	NBR	LI	---
6550	35,00	45,00	7,00	NBR	LI	---	TCS1000	38,00	55,00	8,00	NBR	LI	---
TCS0425	35,00	45,00	8,00	NBR	LI	---	TCS0444	38,00	58,00	7,00	NBR	LI	---
TCS0426	35,00	45,00	8,00	FPM	LI	---	TCS0741	38,00	63,70	8,00	NBR	LI	---
TCS0427	35,00	46,00	7,00	NBR	LI	---	TCS0445	38,00	68,00	8,00	NBR	LI	---
5611	35,00	46,45	6,40	NBR	LI	03286	AG7306	38,10	57,15	9,50	FPM	LI	---
TCS0428	35,00	47,00	7,00	NBR	LI	---	4615	38,10	63,50	12,70	NBR	LI	00019
4628	35,00	47,05	10,00	NBR	LI	---	TCS0446	38,89	53,19	8,00	NBR	LI	---
TCS0429	35,00	48,00	7,00	NBR	LI	---	TCS0447	40,00	50,00	5,00	FPM AZ	LI	---
AG7295	35,00	48,00	8,00	NBR	LI	---	TCS0448	40,00	50,00	7,00	NBR	LI	---
TCS0430	35,00	48,00	8,00	NBR	LI	---	TCS0449	40,00	50,00	8,00	NBR	LI	---
TCS0431	35,00	49,00	7,00	NBR	LI	---	TCS1001	40,00	52,00	6,00	NBR	LI	02822
AG7324	35,00	50,00	7,00	FPM	H	05253	TCS0452	40,00	52,00	7,00	NBR	LI	---
4510	35,00	50,00	8,00	NBR	H	00962	6523	40,00	52,00	7,40	NBR	LI	01988
5840	35,00	50,00	9,00	NBR	H	00789	TCS0120	40,00	52,00	8,00	NBR	LI	---
TCS0397	35,00	50,00	11,00	NBR	LI	---	TCS0119	40,00	52,00	8,00	ACM	LI	02068
TCS0432	35,00	50,00	11,00	FPM	LI	---	TCS0453	40,00	54,00	7,00	NBR	LI	---
4786	35,00	52,00	7,00	NBR	LI	---	5657	40,00	55,00	6,00	FPM	LI	---
1517	35,00	52,00	12,00	NBR	LI	00912	4513	40,00	55,00	8,00	NBR	LI	01707
TCS0434	35,00	54,00	8,00	NBR	LI	---	TCS0455	40,00	56,00	7,00	NBR	LI	02031

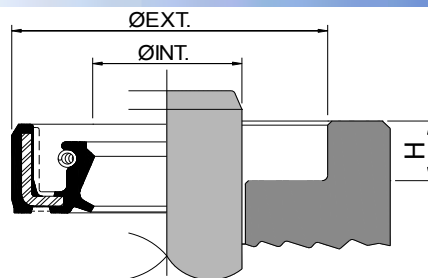
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MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
TCS0456	40,00	56,00	8,00	NBR	LI	---	4672	44,20	71,45	14,80	NBR	H	---
CX6075	40,00	56,00	10,00	NBR	LI	---	AG7309	44,45	60,00	7,00	FPM	LI	---
TCS0457	40,00	58,00	7,00	NBR	LI	---	AG7308	44,45	63,50	9,50	NBR	LI	---
TCS0458	40,00	58,00	8,00	NBR	LI	---	4606	44,50	62,00	10,00	NBR	LI	---
3244	40,00	60,00	6,00	NBR	LI	---	3735	44,50	63,50	8,00	FPM	LI	---
4888	40,00	60,00	10,00	NBR	LI	01116	1780	44,50	68,20	15,90	NBR	LI	01679
AX0043	40,00	60,00	10,00	HNBR	LI	---	TCS0864	44,50	70,00	10,00	NBR	LI	01656
3951	40,00	62,00	7,00	NBR	LI	---	TCS0482	45,00	55,00	8,00	NBR	LI	---
5649	40,00	62,00	7,00	FPM	LI	---	AG7554	45,00	55,00	7,00	NBR	LI	---
3316	40,00	62,00	8,00	NBR	LI	---	TCS0483	45,00	58,00	7,00	NBR	LI	---
AG7810	40,00	62,00	8,00	FPM	LI	---	CX6080	45,00	60,00	7,00	NBR	LI	02745
3277	40,00	62,00	10,00	NBR	LI	01322	TCS0512	45,00	60,00	8,00	NBR	LI	---
3508	40,00	62,00	11,50	NBR	LI	01109	6909	45,00	62,00	7,00	NBR	LI	---
AG7228	40,00	67,00	7,00	FPM	LI	---	5724	45,00	62,00	7,00	FPM	LI	---
TCS0462	40,00	68,00	8,00	NBR	LI	---	TCS0514	45,00	62,00	8,00	NBR	LI	---
TCS0807	40,00	68,00	10,00	NBR	LI	---	TCS0515	45,00	62,00	8,00	FPM	LI	---
TCS0863	40,00	68,00	12,00	NBR	LI	02225	TCS0033	45,00	62,00	9,00	NBR	LI	02110
TCS1003	40,00	70,00	10,00	NBR	LI	---	TCS0516	45,00	62,00	9,00	FPM	LI	---
TCS0982	40,00	80,00	12,00	NBR	LI	---	AG7584	45,00	65,00	7,00	FPM	LI	---
AG8240	40,00	80,10	10,00	NBR	LI	---	AG7935	45,00	65,00	8,00	NBR	LI	02324
4819	40,00	80,10	10,00	FPM	LI	---	TCS0519	45,00	65,00	8,00	NBR	LI	02324
TCS0933	40,00	85,00	10,00	NBR	LI	---	TCS0520	45,00	68,00	12,00	NBR	LI	---
TCS0958	40,00	85,00	12,00	NBR	LI	---	TCS0521	45,00	70,00	10,00	NBR	LI	---
TCS0464	40,00	90,00	8,00	NBR	LI	---	TCS0522	45,00	70,00	12,00	NBR	LI	---
TCS0811	40,00	90,00	10,00	NBR	LI	---	TCS0523	45,00	72,00	7,00	NBR	LI	---
TCS0465	40,00	90,00	10,00	FPM	LI	---	4783	45,00	75,00	8,00	NBR	LI	---
TCS0792	40,08	82,95	9,92	NBR	LI	02675	4782	45,00	75,00	8,00	FPM	LI	---
TCS0468	42,00	60,00	7,00	NBR	LI	---	TCS1010	45,00	100,00	10,00	NBR	LI	---
TCS0469	42,00	62,00	7,00	NBR	LI	---	TCS0524	46,00	58,00	7,00	NBR	LI	---
1554	42,00	62,00	7,50	NBR	LI	---	3258	46,00	65,00	10,00	NBR	LI	---
AX0197	42,00	62,00	8,00	FPM	LI	---	AG7289	46,70	62,00	9,00	FPM	LI	05353
TCS0470	42,00	62,00	8,00	FPM AZ	LI	---	AX0213	47,00	65,00	10,00	NBR	LI	---
TCS0471	42,00	65,00	7,00	NBR	LI	---	TCS0525	47,00	66,50	11,00	MVQ	LI	---
TCS0472	42,00	68,00	8,00	NBR	LI	---	TCS0526	47,22	63,50	6,35	NBR	LI	---
TCS0473	42,00	72,00	8,00	NBR	LI	---	4658	47,60	63,50	7,94	FPM	LI	---
TCS0474	43,00	58,00	7,50	NBR	LI	---	4663	47,60	89,85	12,00	NBR	LI	---
TCS0475	43,50	62,00	6,50	NBR	LI	---	TCS0952	48,00	62,00	7,00	NBR	LI	---
TCS0478	44,00	52,00	6,00	NBR	LI	---	3294	48,00	62,00	8,00	NBR	BI	---
TCS0479	44,00	58,00	8,00	NBR	LI	---	5278	48,00	62,00	8,00	FPM	BI	---
TCS0480	44,00	62,00	7,00	NBR	LI	---	TCS0527	48,00	62,00	8,00	FPM	LI	---

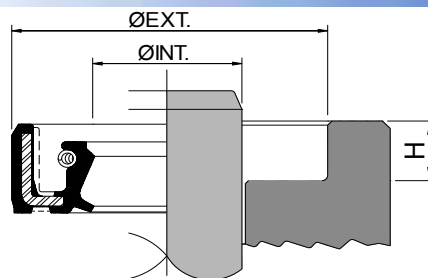
RETENTOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO, LÁBIO DE VEDAÇÃO COM MOLLA E VEDAÇÃO AUXILIAR



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
TCS0528	48,00	62,00	9,00	NBR	LI	---	4498	55,00	78,00	12,20	NBR	LI	---
TCS0126	48,00	72,00	7,00	NBR	LI	02139	3854	55,00	78,00	12,20	FPM	LI	---
TCS0036	48,00	72,00	10,00	NBR	LI	00161	6968	55,00	80,00	8,00	NBR	LI	02529
TCS0530	48,00	110,00	12,00	NBR	LI	---	4418	55,00	80,00	10,00	NBR	LI	---
4550	49,00	76,00	17,40	NBR	LI	---	AG7591	55,00	80,00	10,00	FPM	LI	00459
3573	49,20	68,22	8,00	FPM	LI	---	TCS0556	55,00	85,00	8,00	NBR	LI	---
6542	49,20	68,22	8,00	MVQ	LI	---	4283	55,00	90,00	10,00	NBR	LI	---
4593	49,20	70,00	16,00	NBR	LI	---	4489	55,00	90,00	10,00	FPM	LI	---
4302	49,20	76,22	12,70	NBR	LI	---	AG7730	55,00	90,00	10,00	FPM	LI	---
4515	50,00	65,00	9,00	NBR	LI	---	TCS0865	56,00	85,00	13,00	NBR	LI	00919
TCS0532	50,00	65,00	9,00	NBR	LI	---	4667	56,00	90,00	13,00	NBR	LI	---
3256	50,00	68,00	9,00	NBR	LI	02108	4702	56,00	92,00	12,00	NBR	LI	---
CX6103	50,00	72,00	8,00	NBR	LI	---	6813	57,00	70,00	5,00	NBR	LI	---
TCS0832	50,00	72,00	8,00	NBR	LI	---	AG7290	57,00	71,00	9,00	FPM	LI	05352
5725	50,00	72,00	8,00	FPM	LI	---	3053	57,00	85,00	12,00	NBR	LI	---
TCS0808	50,00	72,00	10,00	NBR	LI	00834	4754	57,00	85,00	12,00	FPM	LI	---
3317	50,00	72,00	12,00	NBR	LI	01861	1460	57,10	76,20	12,70	NBR	LI	0013
TCS0536	50,00	80,00	10,00	NBR	LI	---	3283	58,00	80,00	12,00	NBR	H	02326
4616	50,00	82,00	12,00	FPM	H	---	4306	58,00	80,00	12,00	FPM	H	---
4630	50,00	90,00	8,00	NBR	LI	---	TCS0560	59,13	73,03	7,94	NBR	LI	---
4570	50,00	90,00	10,00	NBR	LI	---	4585	59,90	85,60	17,50	NBR	LI	---
TCS0537	50,00	90,00	10,00	FPM	LI	---	TCS0160	59,93	76,20	11,10	FPM	LI	05126
TCS0538	50,50	62,00	9,00	NBR	LI	---	TCS0562	60,00	72,00	8,00	NBR	LI	---
TCS0732	50,80	69,85	8,00	NBR	LI	---	1546	60,00	75,00	8,00	NBR	LI	---
AG7230	52,00	72,00	7,00	FPM	LI	---	AG7823	60,00	75,00	8,00	NBR	LI	---
TCS0541	52,00	75,00	12,00	NBR	LI	---	TCS0563	60,00	75,00	8,00	FPM	LI	---
4596	54,00	73,00	16,00	NBR	LI	---	TCS0564	60,00	75,00	8,00	NBR	LI	---
TCS0544	55,00	70,00	8,00	NBR	LI	---	AG7525	60,00	75,00	8,00	FPM	LI	---
TCS0545	55,00	70,00	9,00	NBR	LI	---	4308	60,00	78,00	9,00	NBR	LI	---
TCS0546	55,00	70,00	10,00	NBR	LI	---	3536	60,00	78,00	9,00	FPM	LI	---
AG7621	55,00	72,00	7,00	FPM	LI	---	4902	60,00	80,00	8,00	NBR	LI	---
TCS0547	55,00	72,00	8,00	FPM	LI	---	AG8185	60,00	80,00	10,00	NBR	LI	---
TCS0549	55,00	72,00	9,00	NBR	LI	02111	TCS0934	60,00	80,00	12,00	FPM	LI	---
6881	55,00	72,00	10,00	NBR	LI	01550	4847	60,00	80,00	8,50	NBR	LI	---
TCS0550	55,00	72,00	10,00	NBR	LI	---	AG4848	60,00	80,00	8,50	NBR	LI	---
4460	55,00	72,00	10,00	FPM	LI	---	TCS0568	60,00	82,00	12,00	NBR	LI	01841
TCS0552	55,00	75,00	8,00	NBR	LI	---	TCS0567	60,00	82,00	12,00	FPM	LI	---
TCS0553	55,00	75,00	9,00	NBR	LI	---	AG8226	60,00	85,00	8,00	FPM	LI	---
4605	55,00	75,00	10,00	NBR	LI	00804	TCS0740	60,00	90,00	8,00	NBR	LI	02685
TCS0555	55,00	78,00	12,00	NBR	LI	---	TCS1009	60,00	90,00	8,00	FPM	LI	---

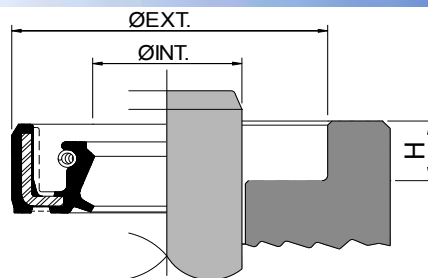
RETENTOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO, LÁBIO DE VEDAÇÃO COM MOLLA E VEDAÇÃO AUXILIAR



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
1081	60,00	90,00	10,00	NBR	LI	00517	TCS0595	75,00	100,00	13,00	NBR	LI	---
1748	60,00	90,00	10,00	FPM	LI	00517F	4622	75,90	95,00	11,30	NBR	LI	---
TCS1004	60,00	90,00	12,00	NBR	LI	---	4551	78,00	100,00	13,00	NBR	LI	---
3027	60,30	82,50	11,00	MVQ	LI	---	3003	78,00	100,00	13,00	MVQ	H	01917
5352	60,30	82,55	11,10	FPM	H	---	AX0194	79,00	110,00	10,00	NBR	LI	---
6980	62,00	85,00	8,00	NBR	LI	---	TCS0722	79,00	110,00	10,00	NBR	LI	---
AG7793	63,00	90,00	8,00	NBR	LI	---	TCS0599	79,30	99,00	10,00	MVQ	LI	---
4603	63,00	90,00	15,00	NBR	LI	---	TCS0600	80,00	95,00	9,00	NBR	LI	---
AX0015	63,60	85,60	17,50	NBR	LI	---	TCS0601	80,00	96,00	9,00	NBR	LI	---
TCS0573	65,00	80,00	12,00	NBR	LI	---	3796	80,00	100,00	10,00	NBR	BI	---
6970	65,00	85,00	10,00	NBR	LI	02530	4631	80,00	100,00	10,00	FPM	BI	---
TCS0574	65,00	85,00	10,00	FPM	LI	---	TCS0603	80,00	100,00	12,00	NBR	LI	02661
AX0223	65,00	85,00	13,00	NBR	LI	---	TCS0604	80,00	100,00	13,00	FPM	LI	---
TCS0575	65,00	85,00	13,00	NBR	LI	---	TCS0605	80,00	105,00	10,00	NBR	LI	---
3835	65,00	90,00	10,00	NBR	LI	---	TCS0606	80,00	105,00	12,00	NBR	LI	---
TCS0742	65,00	100,00	8,00	NBR	LI	---	AG7582	80,00	105,00	13,00	FPM	LI	---
3887	66,70	89,50	10,00	FPM	H	---	TCS0607	80,00	110,00	10,00	NBR	LI	---
3712	69,80	92,00	14,20	NBR	LI	00891	4685	80,00	110,00	12,00	NBR	LI	00900
6551	70,00	85,00	8,00	NBR	LI	02677	AG7026	85,00	100,00	9,00	NBR	LI	---
AG7923	70,00	85,00	8,00	FPM	LI	02677	TCS0608	85,00	100,00	12,00	NBR	LI	---
TCS0579	70,00	88,00	12,00	NBR	LI	---	TCS0134	85,00	105,00	12,00	FPM	LI	02283
3255	70,00	90,00	10,00	NBR	LI	01135	1959	85,00	110,00	12,00	NBR	LI	01767 BR
AG8340	70,00	90,00	10,00	FPM	LI	---	TCS0846	85,00	125,00	10,00	NBR	LI	---
TCS0582	70,00	90,00	12,00	NBR	LI	---	TCS0112	85,70	114,20	11,20	NBR	LI	01912
TCS0790	70,00	90,00	13,00	NBR	LI	00490	4602	89,80	123,80	17,00	NBR	LI	---
TCS0583	70,00	92,00	12,00	NBR	LI	---	TCS0610	90,00	110,00	10,00	NBR	LI	---
TCS0584	70,00	95,00	12,00	NBR	LI	---	TCS0611	90,00	110,00	12,00	NBR	LI	02574
TCS0107	70,00	95,00	13,00	NBR	LI	01879	TCS0612	90,00	115,00	13,00	NBR	LI	---
4638	70,00	100,00	10,00	NBR	LI	00866	TCS0613	90,00	120,00	12,00	FPM	LI	02571
TCS0585	70,00	100,00	10,00	NBR	LI	---	3534	90,00	120,00	13,00	NBR	LI	00497
TCS0586	70,00	110,00	8,00	NBR	LI	---	5610	90,00	120,00	13,00	FPM	LI	00497
TCS0327	70,00	120,00	10,00	NBR	LI	---	TCS0847	95,00	110,00	12,00	NBR	LI	---
TCS0587	70,00	125,00	12,00	NBR	LI	---	4244	95,00	120,00	12,00	FPM	LI	---
4484	72,00	95,00	10,00	NBR	LI	---	4128	95,00	120,00	13,00	NBR	LI	---
TCS0588	75,00	90,00	8,00	NBR	LI	---	4799	95,30	114,25	11,00	FPM	LI	---
TCS0589	75,00	90,00	10,00	NBR	LI	02451	TCS0725	98,00	130,00	12,00	NBR	LI	---
TCS0590	75,00	92,00	12,00	NBR	LI	---	TCS0619	100,00	120,00	10,00	NBR	LI	---
TCS0879	75,00	95,00	10,00	NBR	LI	02531	TCS0621	100,00	120,00	12,00	NBR	LI	01375
TCS0155	75,00	95,00	13,00	NBR	LI	02753	6973	100,00	125,00	12,00	NBR	LI	01549
TCS0861	75,00	100,00	10,00	NBR	LI	00609	TCS0623	100,00	125,00	13,00	NBR	LI	---

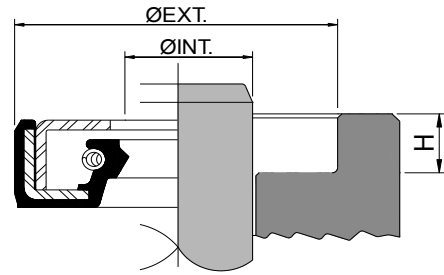
RETENTOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO, LÁBIO DE VEDAÇÃO COM MOLLA E VEDAÇÃO AUXILIAR



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT	Ø EXT.	H	MAT	ORI	REF
4613	100,00	130,00	12,00	NBR	LI	01721	TCS0717	136,00	158,00	12,00	NBR	LI	---
TCS0625	100,00	130,00	13,00	NBR	LI	01974	TCS0739	140,00	160,00	12,00	NBR	LI	---
TCS0738	100,00	140,00	13,00	NBR	LI	---	TCS0647	140,00	160,00	14,00	NBR	LI	---
TCS0626	100,00	180,00	12,00	NBR	LI	---	3994	140,00	165,00	12,00	NBR	LI	---
TCS0627	105,00	130,00	12,00	FPM	LI	02985	TCS0649	140,00	170,00	15,00	NBR	LI	---
TCS0628	105,00	150,00	14,00	NBR	LI	---	TCS0648	140,00	170,00	15,00	FPM	LI	---
TCS0724	107,00	140,00	13,00	NBR	LI	---	TCS0650	145,00	170,00	12,00	NBR	LI	---
TCS0629	107,95	152,40	12,70	NBR	LI	---	TCS0651	145,00	170,00	13,00	NBR	LI	---
TCS0630	110,00	130,00	12,00	NBR	LI	---	TCS0652	145,00	180,00	12,00	FPM	LI	---
4210	110,00	130,00	13,00	MVQ	AH	00803	TCS0932	160,00	180,00	15,00	NBR	LI	---
TCS0631	110,00	135,00	12,00	NBR	LI	---	TCS0654	160,00	190,00	14,00	FPM	LI	---
TCS0632	110,00	140,00	12,00	NBR	LI	---	TCS0735	160,00	190,00	15,00	NBR	LI	---
TCS0818	110,00	140,00	13,00	NBR	LI	---	TCS0655	160,00	190,00	15,00	FPM	LI	---
TCS0633	110,00	140,00	13,00	FPM	LI	---	TCS0656	165,00	200,00	15,00	FPM	LI	---
TCS0634	110,00	140,00	14,00	NBR	LI	---							
TCS0635	110,00	140,00	14,00	FPM	LI	---							
TCS0992	110,00	160,00	12,00	NBR	LI	---							
TCS0636	114,30	152,40	12,70	NBR	LI	---							
TCS0638	118,00	150,00	12,00	NBR	LI	---							
4859	120,00	140,00	13,00	FPM	LI	---							
4247	120,00	150,00	12,00	FPM	LI	---							
4957	120,00	150,00	13,00	NBR	LI	---							
TCS0640	120,00	150,00	14,00	FPM	LI	---							
TCS0641	120,00	150,00	14,00	NBR	LI	---							
TCS0979	120,00	160,00	12,00	NBR	LI	---							
4410	122,20	140,80	11,80	MVQ	AH	02115							
4417	122,20	140,80	11,80	FPM	AH	02612							
3002	122,20	140,80	11,80	MVQ	AH	---							
3727	122,20	140,80	12,00	FPM	AH	02449							
4248	125,00	150,00	12,00	FPM	LI	02868							
4670	125,00	150,00	13,00	NBR	BI	02868							
TCS0642	125,00	155,00	14,00	NBR	LI	---							
TCS0980	130,00	160,00	13,00	NBR	LI	---							
TCS0643	130,00	160,00	13,00	MVQ VR	LI	---							
TCS0645	130,00	160,00	14,00	NBR	LI	---							
TCS0121	130,00	160,00	14,00	MVQ	LI	02069							
4411	133,30	158,75	11,00	MVQ	AH	---							
1918	133,30	158,75	12,70	MVQ	AH	01972							
3271	133,35	158,75	11,00	FPM	AH	---							
TCS0646	135,00	165,00	14,00	NBR	LI	---							

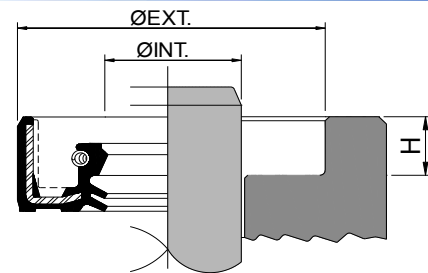
RETENTOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO, LÁBIO DE VEDAÇÃO COM MOLLA E VEDAÇÃO AUXILIAR



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT	Ø EXT.	H	MAT	ORI	REF
AG8178	40,00	58,00	8,00	NBR	LI	---							

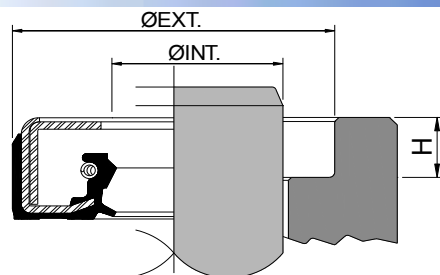
RETENTOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO, LÁBIO DE VEDAÇÃO COM MOLLA E DUPLA VEDAÇÃO AUXILIAR



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT	Ø EXT.	H	MAT	ORI	REF
TCS0671	19,00	32,00	6,00	NBR	LI	---							
TCS0830	19,00	37,00	6,50	NBR	LI	---							
6517	28,50	38,10	10,00	NBR	LI	---							
6515	30,00	47,00	10,00	NBR	LI	---							
TCS0159	30,00	64,40	17,00	NBR	LI	---							
4741	34,00	72,00	10,00	NBR	LI	01999							
AG7707	35,00	72,00	10,00	NBR	LI	---							
1539	45,00	70,00	10,00	NBR	LI	---							
3361	45,00	76,00	12,00	NBR	LI	---							
3526	45,00	76,00	12,00	FPM	LI	---							
1535	50,00	80,00	11,00	NBR	LI	---							
3740	50,00	80,00	11,00	FPM	LI	---							
3247	60,00	90,00	11,00	NBR	LI	---							
3692	80,00	100,00	12,00	NBR	BI	---							
3025	95,00	125,00	20,00	NBR	LI	---							

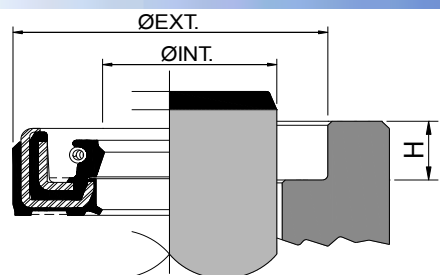
RETENTOR BLINDADO COM REVESTIMENTO EXTERNO EM ELASTÔMERO, LÁBIO DE VEDAÇÃO COM MOLLA E VEDAÇÃO AUXILIAR



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
9467	38,00	58,00	12,00	NBR	LI	---							
6963	45,00	68,00	12,00	NBR	LI	---							
9383	50,00	72,00	12,00	NBR	LI	---							
AG7310	55,00	78,00	12,00	FPM	LI	---							

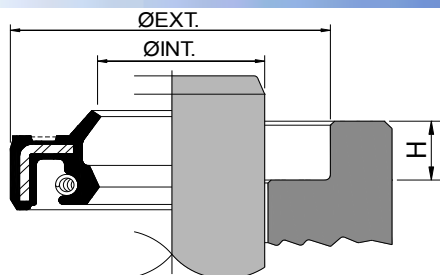
RETENTOR BLINDADO COM REVESTIMENTO EXTERNO EM ELASTÔMERO, LÁBIO DE VEDAÇÃO COM MOLLA E VEDAÇÃO AUXILIAR



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
AG8028	44,45	63,50	9,50	FPM	LI	---							

RETENTOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO, LÁBIO DE VEDAÇÃO COM MOLLA E VEDAÇÃO AUXILIAR



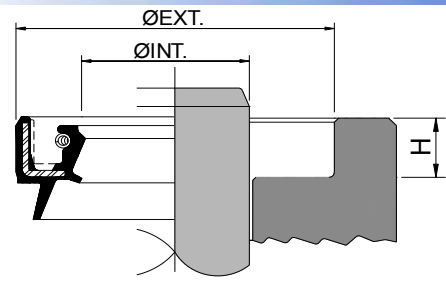
MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H 1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H 1 / H2	MAT	ORI	REF
CX7877	18,75	30,00	5,30/7,3	HNBR	LI	---	TCS0077	46,00	76,20	9,5/12,7	NBR	LI	01049
TCS0998	19,00	38,10	6,5/9,0	NBR	LI	---							
CX9362	20,00	41,30	6,5/9,0	NBR	LI	---							
TCS0785	22,30	32,20	5,0/7,0	NBR	LI	---							
TCS0758	23,50	32,50	5,3/6,0	NBR	LI	---							
5516	25,50	40,00	7,0/10,0	NBR	LI	---							

RETENTOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO, LÁBIO DE VEDAÇÃO COM MOLLA, VEDAÇÃO AUXILIAR E GUARDA PÓ ADICIONAL

MEDIDAS DE APLICAÇÕES

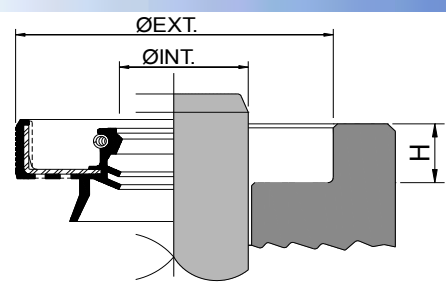
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AG8041	44,00	60,00	9,0/14,0	FPM	LI	---							
AG8040	48,00	65,00	10,0/15,0	FPM	LI	---							
AX0117	52,00	70,50	8,5/13,0	FPM	H	---							
TCS0804	55,00	70,00	6,0/10,2	NBR	BI	02392							



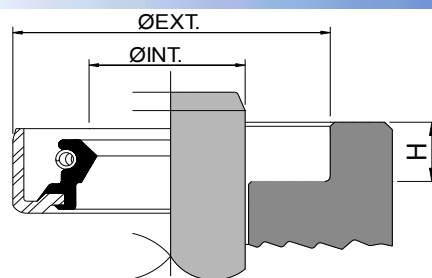
RETENTOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO, LÁBIO DE VEDAÇÃO COM MOLLA, DUPLA VEDAÇÃO AUXILIAR E GUARDA PÓ ADICIONAL

MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
4492	75,00	125,00	12,00	FPM	LI	---							



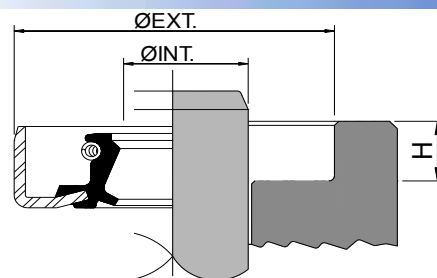
**RETENTOR COM CARÇAÇA METÁLICA EXPOSTA
E LÁBIO DE VEDAÇÃO COM MOLA**



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
TCS0883	10,00	25,50	6,30	NBR	LI	---	5609	28,60	41,30	6,30	NBR	LI	02355
TCS0882	10,00	27,00	6,70	NBR	LI	---	3012	28,60	41,30	9,40	NBR	LI	01962
6505	12,00	18,00	6,00	NBR	LI	---	6383	28,60	47,60	6,35	FPM	LI	---
9792	12,00	18,00	6,00	FPM/INOX	LI	---	9576	30,00	37,00	4,00	NBR	LI	02096
TCS0887	12,00	25,00	7,00	NBR	LI	---	9589	30,00	37,00	4,00	FPM	LI	---
TCS0886	12,00	26,00	7,00	NBR	LI	---	1502	30,00	42,95	9,50	NBR	LI	00813
TCS0089	12,00	32,00	7,00	NBR	LI	01445	1500	30,00	46,40	10,00	NBR	LI	01831
TCS0208	12,65	20,35	6,00	NBR	LI	---	TCS0405	31,00	43,00	6,00	NBR	LI	---
TCS0885	12,70	27,00	6,50	NBR	LI	---	TCS0408	31,75	43,00	6,00	NBR	LI	---
TCS0884	12,70	28,50	6,50	NBR	LI	---	TCS0085	32,00	44,00	9,00	NBR	LI	01370
TCS0225	15,00	24,00	7,00	NBR	LI	01816	6482	32,76	50,80	7,90	NBR	LI	---
TCS0232	15,00	30,00	7,00	NBR	LI	---	TCS0124	34,90	50,85	8,30	NBR	LI	02102
AG7501	15,00	32,00	7,00	NBR	LI	---	6384	34,90	52,40	8,00	FPM	LI	---
TCS0928	16,00	28,00	7,00	NBR	LI	00980	4440	34,93	53,97	7,94	NBR	LI	---
3899	17,00	35,00	8,00	NBR	LI	---	TCS0049	35,00	47,00	7,00	NBR	LI	00485
TCS0001	17,00	36,00	6,60	FPM	LI	---	6965	36,00	54,00	7,00	NBR	LI	02099
TCS0929	19,00	31,90	7,00	NBR	LI	00798	TCS0925	38,00	57,00	7,00	NBR	LI	01657
TCS0279	19,05	25,40	3,18	FPM	LI	---	TCS0146	38,10	47,60	6,50	NBR	LI	---
1478	19,05	31,75	8,00	NBR	LI	---	3392	38,10	55,55	9,00	NBR	LI	---
TCS0157	20,00	31,00	7,00	NBR	LI	03013	1931	38,10	63,50	8,00	NBR	LI	---
TCS0930	20,00	32,00	5,00	NBR	LI	00767	TCS0467	42,00	55,00	7,00	NBR	LI	---
4520	20,00	35,00	6,00	NBR	LI	00715	TCS0899	42,80	68,15	10,70	NBR	LI	00533
CX9147	20,00	36,00	6,50	NBR	H	---	5943	44,00	55,00	7,00	NBR	LI	---
TCS0122	20,00	38,00	6,50	NBR	LI	---	1901	44,50	54,00	4,80	NBR	LI	00749
TCS0931	22,00	31,90	5,00	NBR	LI	00769	TCS0253	44,80	61,40	12,00	NBR	LI	00012
TCS0308	22,00	32,00	7,00	NBR	LI	---	TCS0511	45,00	60,00	6,00	NBR	LI	---
5604	22,20	31,70	6,00	NBR	LI	02357	TCS0918	45,00	72,00	10,00	NBR	LI	---
AG7914	24,60	44,45	7,90	NBR	LI	---	AG7800	47,62	66,67	11,10	FPM	LI	---
3110	25,00	35,00	7,00	NBR	LI	01543	1465	48,00	61,00	6,50	NBR	LI	---
TCS0335	25,00	38,00	6,00	NBR	LI	---	TCS0531	49,00	62,00	7,00	NBR	LI	---
TCS0336	25,00	38,00	6,00	FPM	LI	---	1405	49,20	76,10	12,70	FPM	LI	00185
TCS0068	25,00	42,00	8,00	NBR	LI	00925	1449	49,20	68,25	12,70	MVQ	LI	---
TCS0344	25,00	43,00	6,00	NBR	LI	---	4604	49,20	68,30	8,00	MVQ	LI	---
TCS0087	25,00	45,00	7,00	NBR	LI	01397	3108	50,00	60,00	7,00	NBR	LI	---
AG7383	25,40	34,95	6,40	NBR	H	02032	1456	50,00	70,00	9,00	NBR	LI	---
TCS0358	25,40	38,10	6,35	NBR	LI	---	1459	50,00	80,00	10,00	NBR	LI	---
AG7199	25,40	47,60	6,35	NBR	LI	---	1466	54,00	77,80	12,70	MVQ	LI	00006
TCS0894	26,00	43,15	10,00	NBR	LI	---	3109	55,00	68,00	7,00	NBR	LI	---
CX8590	26,50	34,80	4,80	NBR	LI	---	4455	55,00	80,00	10,00	NBR	LI	---
9422	27,00	38,10	6,40	NBR	LI	00285	4364	63,50	82,55	15,20	NBR	LI	---

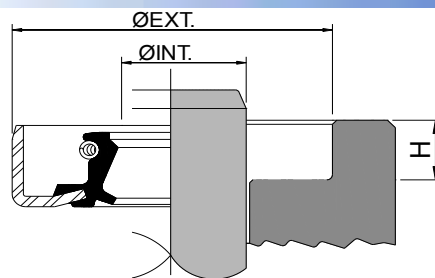
**RETENTOR COM CARÇA METÁLICA EXPOSTA,
VEDAÇÃO AUXILIAR E LÁBIO DE VEDAÇÃO
COM MOLA**



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
TCS0810	12,00	20,00	5,00	NBR	LI	02689	3351	25,40	39,70	6,50	NBR	LI	---
9938	12,00	22,00	7,00	NBR	LI	00289	AG7287	25,40	42,80	7,90	NBR	LI	---
TCS0210	12,70	25,40	6,35	NBR	LI	01966	5477	27,00	42,70	7,90	FPM	LI	01724
TCS0796	14,00	24,00	7,00	NBR	LI	01389	5755	27,00	42,90	7,90	NBR	LI	---
TCS0004	15,00	28,00	6,30	NBR	LI	---	5605	28,00	41,00	6,30	NBR	LI	---
6342	15,00	28,00	7,00	NBR	LI	00916	6966	28,00	41,00	6,60	FPM	LI	---
TCS0798	15,00	30,00	8,00	NBR	LI	00766	AG7564	28,00	47,00	10,00	NBR	LI	00262
TCS0927	15,00	35,00	7,00	NBR	LI	01959	6964	28,60	38,10	6,50	NBR	LI	01964
TCS0242	15,88	31,75	6,35	NBR	LI	---	TCS0382	30,00	42,00	6,00	NBR	LI	---
9804	15,90	22,20	4,30	NBR	LI	02335	TCS0063	30,00	42,00	7,00	NBR	LI	00847
TCS0794	16,00	22,10	6,40	NBR	LI	01576	4557	30,00	52,00	7,00	NBR	H	02006
TCS0679	16,00	30,00	6,00	NBR	LI	---	TCS0400	30,00	55,00	7,00	NBR	LI	---
TCS0592	16,00	30,00	6,30	NBR	LI	---	4514	30,00	62,00	10,00	NBR	LI	01273
5514	17,00	25,00	4,00	NBR	LI	---	TCS0404	30,00	72,00	7,00	NBR	LI	---
AG7748	17,00	28,00	7,00	NBR	LI	00508	TCS0406	31,00	43,00	6,00	FPM	LI	---
TCS0684	17,00	32,00	7,00	NBR	LI	---	TCS0118	31,70	50,80	11,10	NBR	LI	---
CX9508	17,00	34,00	7,00	ACM	LI	01916	TCS0842	31,75	42,86	7,94	NBR	LI	1630
TCS0858	17,00	34,00	8,00	NBR	LI	---	TCS0409	31,75	50,80	12,27	NBR	LI	---
AG7342	17,40	28,50	6,35	NBR	LI	---	TCS0410	32,00	42,00	6,00	NBR	LI	---
CX9755	18,00	31,70	6,30	NBR	H	---	AG7128	32,00	42,00	7,00	NBR	LI	01310
TCS0685	18,00	34,00	8,00	NBR	LI	---	TCS0129	32,00	65,00	13,00	NBR	LI	---
5187	19,00	31,70	6,30	NBR	LI	---	TCS0128	32,00	65,00	13,00	ACM	LI	02184
1474	19,00	31,75	11,00	NBR	LI	---	AG7007	32,50	50,80	8,00	NBR	LI	---
1501	19,00	35,00	7,00	NBR	LI	---	5479	32,80	50,80	8,00	NBR	LI	---
TCS0280	19,05	33,35	7,94	NBR	LI	---	AG7318	32,80	50,80	8,00	FPM	LI	---
TCS0719	19,05	33,36	7,94	NBR	LI	---	TCS0106	33,00	52,00	12,00	NBR	LI	---
TCS0797	20,00	30,00	7,00	NBR	LI	01935	AG7060	34,90	54,00	7,90	NBR	LI	---
6269	20,70	34,85	11,90	NBR	LI	01254	AG7765	34,90	54,00	7,90	FPM	LI	---
1503	22,00	35,00	7,00	NBR	LI	---	6154	34,90	57,40	6,50	NBR	LI	---
TCS0866	22,00	35,00	10,00	NBR	LI	00118	AG7565	35,00	44,50	7,00	NBR	LI	01502
5599	22,20	34,92	6,30	NBR	LI	---	1927	35,00	50,00	12,00	NBR	LI	---
TCS0017	23,00	43,00	8,50	NBR	LI	---	3391	35,00	50,80	7,00	NBR	LI	---
AG7006	24,00	38,00	6,30	NBR	LI	---	TCS0800	35,00	62,00	12,00	NBR	LI	02091
TCS0688	24,00	43,00	8,50	NBR	LI	---	TCS0074	35,50	58,20	12,00	NBR	LI	01004
TCS0059	25,00	35,00	10,00	NBR	LI	00788	TCS0443	38,00	52,00	7,00	NBR	LI	---
TCS0799	25,00	40,00	7,00	NBR	LI	02062	AG7654	38,10	50,80	8,00	NBR	LI	---
TCS0346	25,00	43,00	8,00	NBR	LI	---	TCS0032	38,10	60,33	12,70	NBR	LI	00049
6264	25,40	38,10	6,30	NBR	LI	01356	4689	39,20	66,65	7,90	NBR	LI	---
9266	25,40	38,10	7,90	NBR	LI	---	4690	39,70	60,30	7,90	NBR	LI	---
TCS0793	25,40	38,10	9,92	NBR	LI	00141	TCS0454	40,00	55,00	6,50	NBR	LI	---

**RETENTOR COM CARÇAÇA METÁLICA EXPOSTA,
VEDAÇÃO AUXILIAR E LÁBIO DE VEDAÇÃO
COM MOLLA**

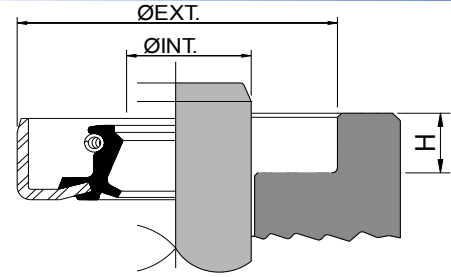


MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
TCS0156	40,00	55,00	8,00	NBR	LI	02972	1936	55,00	80,00	13,00	NBR	LI	00498
1930	40,00	56,00	9,00	NBR	LI	01265	TCS0896	55,00	90,00	10,00	NBR	LI	00793
TCS0083	40,00	65,00	12,00	NBR	LI	01266	TCS0140	55,40	76,15	12,70	NBR	LI	02415
TCS0801	40,00	72,00	12,00	NBR	LI	01602	4679	55,60	107,95	12,70	NBR	LI	---
TCS0900	41,10	49,30	6,50	NBR	LI	01963	3295	57,15	76,20	9,50	FPM	LI	---
TCS0158	41,10	50,70	6,35	NBR	LI	---	4526	57,20	73,00	8,00	NBR	BI	02066
TCS0078	41,10	65,40	13,00	NBR	LI	01100	TCS0123	58,00	75,00	12,00	NBR	LI	02100
1054	41,30	49,20	6,00	NBR	LI	01963	TCS0559	58,00	80,00	10,00	NBR	LI	---
AX0036	41,30	54,00	6,50	NBR	BI	02879	TCS0102	58,00	85,00	13,00	NBR	LI	01798
AG7656	41,30	60,30	9,50	NBR	LI	---	4327	60,00	80,00	12,00	NBR	LI	01392
TCS0729	41,40	70,60	7,90	NBR	LI	01931	1886	60,00	80,00	12,00	FPM	LI	01392
TCS0476	43,66	65,05	12,70	NBR	LI	---	4675	60,00	80,00	13,00	NBR	LI	---
4525	44,00	80,00	12,00	NBR	LI	---	6969	60,00	90,00	13,00	NBR	LI	---
TCS0079	44,20	71,45	14,80	NBR	LI	01119	1666	60,30	79,35	9,50	NBR	H	02077
TCS0152	44,40	63,50	12,70	NBR	LI	---	AG8241	60,30	79,40	12,00	NBR	LI	---
4671	44,45	63,50	12,70	NBR	BI	02580	TCS0130	60,30	79,40	12,00	NBR	LI	---
AG8548	44,45	63,50	12,70	FPM	BI	---	TCS0044	60,30	92,00	12,00	NBR	LI	00334
AG7655	44,45	69,85	8,00	NBR	LI	---	TCS0844	60,33	82,55	11,11	ACM	LI	02116
AG7658	44,45	76,20	8,00	NBR	LI	---	4538	62,00	100,00	12,00	NBR	LI	---
TCS0038	44,70	61,20	9,50	NBR	LI	00222	4594	62,00	100,05	17,00	NBR	LI	01425
TCS0843	45,00	62,00	7,00	NBR	LI	02169	TCS0132	63,50	83,80	9,00	NBR	LI	02211
TCS0082	45,00	68,00	12,00	NBR	LI	---	3581	63,50	88,90	12,70	NBR	LI	00120
3353	47,60	66,70	8,00	NBR	LI	---	TCS0116	64,00	80,00	8,00	ACM	LI	02004
4632	47,62	69,85	7,90	NBR	LI	---	4434	65,00	90,00	13,00	NBR	LI	00164
4899	47,62	69,85	7,90	MVQ	LI	---	TCS0150	68,00	85,00	10,00	FPM	LI	02556
1933	49,00	65,00	10,00	NBR	LI	01241	1547	68,00	90,00	10,00	NBR	LI	00228
1934	49,00	68,00	12,00	NBR	LI	01262	TCS0050	68,00	90,00	13,00	NBR	LI	00500
TCS0534	50,00	70,00	9,00	NBR	LI	---	TCS0577	69,00	85,00	10,00	NBR	LI	---
TCS0917	50,00	70,00	12,00	NBR	LI	01807	TCS0108	69,80	98,45	11,80	NBR	LI	01880
4420	50,00	80,00	10,00	NBR	LI	---	TCS0981	70,00	85,00	8,00	NBR	LI	---
4421	50,00	90,00	10,00	FPM	LI	---	TCS0593	74,00	90,00	10,00	NBR	LI	01044
TCS0031	51,94	72,00	12,00	NBR	LI	---	3702	75,00	100,00	10,00	FPM	H	---
1461	54,00	73,00	11,00	NBR	LI	02207	TCS0040	75,00	100,00	12,00	NBR	LI	---
1467	54,00	73,00	11,00	MVQ	LI	02207	TCS0594	75,00	100,00	13,00	FPM	LI	---
4595	54,00	76,20	12,70	NBR	LI	01864	TCS0598	76,20	96,85	9,53	NBR	LI	---
TCS0728	54,10	73,00	8,50	NBR	LI	01930	4673	76,20	110,00	9,50	NBR	LI	---
TCS0548	55,00	72,00	9,00	FPM	LI	---	3216	80,00	100,00	10,00	NBR	LI	---
TCS0551	55,00	75,00	8,00	NBR	LI	---	3583	82,50	101,60	9,50	NBR	LI	---
4655	55,00	75,00	8,00	FPM	H	---	3571	82,50	107,95	9,50	FPM	LI	---
AG8090	55,00	80,00	10,00	FPM	LI	---	TCS0906	82,50	120,00	15,00	NBR	LI	02416

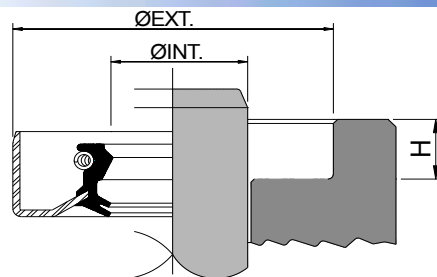
**RETENTOR COM CARÇA METÁLICA EXPOSTA,
VEDAÇÃO AUXILIAR E LÁBIO DE VEDAÇÃO
COM MOLA**

MEDIDAS DE APLICAÇÕES



CÓDIGO	Ø INT	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT	Ø EXT.	H	MAT	ORI	REF
4792	85,00	110,00	14,00	NBR	LI	00618							
TCS0802	85,00	110,00	14,00	NBR	LI	00618							
3296	90,00	110,00	13,00	NBR	LI	01416							
3389	90,00	115,00	12,50	NBR	LI	---							
TCS0637	115,00	145,00	14,00	FPM	LI	---							
TCS0644	130,00	160,00	14,00	FPM	LI	---							
TCS0923	168,00	188,00	31,50	NBR	LI	02246							

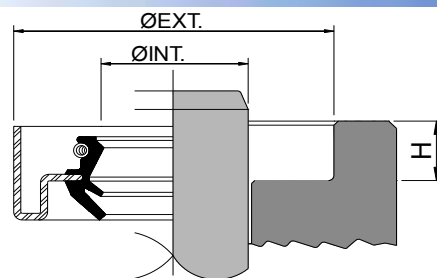
RETENTOR COM CARÇAÇA METÁLICA EXPOSTA,
LÁBIO DE VEDAÇÃO COM MOLA E DUPLA VEDAÇÃO
AUXILIAR



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
TCS0803	45,00	73,10	13,00	NBR	LI	02395							
TCS0100	46,00	65,50	7,00	NBR	LI	01764							
1469	73,00	101,60	11,50	NBR	LI	---							
4748	73,00	101,60	11,50	NBR	BI	00421							
4618	85,70	111,15	12,70	FPM	BI	---							

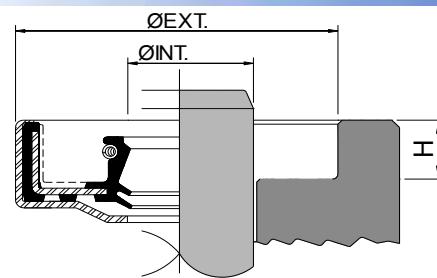
RETENTOR COM CARÇAÇA METÁLICA EXPOSTA,
VEDAÇÃO AUXILIAR DUPLA E LÁBIO DE VEDAÇÃO
COM MOLA



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
AG7662	47,60	69,85	12,70	FPM	LI	---							
5852	52,35	76,20	9,53	FPM	LI	---							
4215	82,55	107,95	17,00	FPM	LI	---							

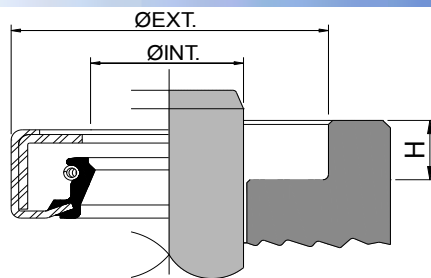
RETENTOR COM CARÇAÇA METÁLICA EXPOSTA,
VEDAÇÃO AUXILIAR DUPLA E LÁBIO DE VEDAÇÃO
COM MOLA



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
3207	65,00	120,00	12,00	NBR	LI	---							
3572	85,00	120,00	12,00	NBR	BI	---							

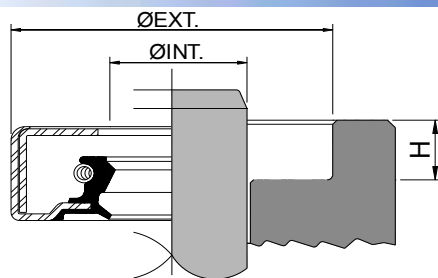
RETENTOR BLINDADO COM CARÇAÇA EXPOSTA E LÁBIO DE VEDAÇÃO COM MOLA



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
TCS0938	15,90	23,80	4,80	NBR	LI	---	TCS0615	95,00	115,00	13,00	ACM	LI	---
TCS0328	24,61	38,07	7,94	NBR	LI	---	AX0229	95,00	125,00	13,00	NBR	LI	00045
6519	30,00	50,75	11,00	NBR	LI	00701	TCS0076	95,00	130,00	13,00	NBR	LI	01043
AG7667	31,70	50,70	11,00	NBR	LI	00028	TCS0028	98,50	144,45	19,00	NBR	LI	00007
TCS0845	32,00	72,00	10,00	NBR	LI	02270	TCS0103	100,00	123,80	13,00	NBR	LI	01801
TCS0086	34,90	52,30	9,50	NBR	LI	01395	1482	101,60	127,00	9,50	NBR	LI	---
TCS0056	35,00	53,90	9,50	NBR	LI	00694	4523	101,60	127,00	9,50	FPM	LI	---
TCS0713	35,00	72,00	10,00	NBR	LI	01366	3996	101,60	127,00	9,50	FPM	LI	---
TCS0716	36,50	57,05	12,70	NBR	LI	00218	1483	101,60	127,00	9,50	MVQ	LI	---
6944	38,10	54,00	12,00	NBR	H	---	3517	101,60	130,20	8,00	FPM	LI	---
1524	40,00	60,00	10,00	NBR	LI	---	3314	104,80	130,20	12,70	NBR	LI	---
3507	40,00	62,00	10,00	NBR	LI	---	4945	106,35	130,18	12,70	FPM	LI	---
TCS0909	40,00	70,00	12,00	NBR	LI	00837	3855	123,85	158,75	12,70	NBR	LI	---
TCS0901	44,50	73,00	12,00	NBR	LI	00276	3297	127,00	152,40	12,70	FPM	H	---
TCS0075	45,00	85,00	13,00	NBR	LI	01038	TCS0968	133,35	158,75	12,70	NBR	LI	---
TCS0055	47,70	72,95	12,00	NBR	LI	00674	3298	146,00	168,25	16,00	NBR	H	01928
TCS0622	49,20	76,05	12,70	NBR	LI	00291	TCS0660	209,55	260,35	15,88	NBR	LI	---
TCS0533	50,00	70,00	8,00	NBR	LI	---							
4496	50,80	80,00	12,70	NBR	LI	00660							
TCS0898	52,40	80,95	11,50	NBR	LI	00005							
3011	53,90	73,00	12,70	NBR	LI	00037							
TCS0860	61,90	79,95	10,00	NBR	LI	01828							
1544	63,50	82,55	12,70	NBR	LI	01790							
TCS0046	63,50	89,90	12,00	NBR	LI	00378							
1533	63,50	95,25	13,00	NBR	LI	---							
1526	68,00	90,00	9,50	NBR	LI	---							
1550	69,80	100,00	11,00	NBR	LI	---							
TCS0034	69,90	98,45	12,70	NBR	LI	00081							
TCS0937	72,20	100,00	12,70	NBR	LI	---							
3535	74,60	114,30	13,00	NBR	LI	---							
TCS0809	79,80	98,40	9,50	NBR	LI	---							
4501	81,00	117,50	14,30	NBR	LI	00002							
TCS0035	81,30	120,80	14,30	NBR	LI	---							
4377	85,70	119,00	12,70	NBR	LI	00025							
TCS0910	87,30	114,30	22,20	FPM	LI	---							
4757	88,90	146,07	14,30	NBR	LI	---							
TCS0105	90,00	112,70	13,00	NBR	LI	01829							
4633	90,00	140,00	13,00	NBR	LI	---							
4102	94,00	120,00	13,00	NBR	LI	---							
TCS0614	95,00	115,00	13,00	NBR	LI	---							

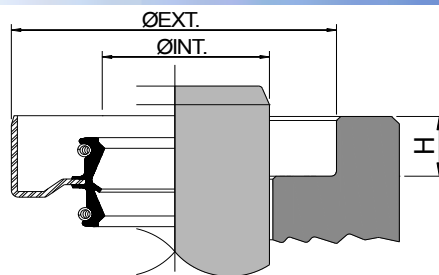
**RETENTOR BLINDADO COM CARÇAÇA EXPOSTA,
LÁBIO DE VEDAÇÃO COM MOLA E VEDAÇÃO
AUXILIAR**



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
TCS0897	20,00	42,00	10,00	NBR	LI	01746	4646	95,00	130,00	12,00	NBR	LI	01043
TCS0916	22,00	47,00	9,00	NBR	LI	01779	3326	95,30	114,25	12,00	FPM	LI	02125
3333	25,00	38,00	8,00	NBR	LI	---	TCS0117	100,00	120,00	13,00	NBR	LI	02049
TCS0806	30,00	72,00	10,00	NBR	LI	01581	1484	100,00	136,50	12,70	NBR	LI	---
4660	35,00	63,50	12,70	NBR	LI	00033	1935	101,60	126,90	12,70	NBR	LI	00123
3308	44,50	66,70	15,80	NBR	LI	---	1475	101,60	139,70	16,50	NBR	LI	---
3334	45,00	57,00	10,00	NBR	LI	---	TCS0902	101,80	127,10	11,90	NBR	LI	01901
TCS0915	45,00	60,00	10,00	NBR	LI	01738	4413	110,00	140,00	13,00	NBR	BI	00516
4842	50,00	81,00	11,90	NBR	LI	---	1476	114,30	155,55	14,00	NBR	BI	02180
TCS0042	50,80	81,00	11,90	NBR	LI	00274	TCS0098	125,00	150,00	15,00	NBR	LI	01735
TCS0539	50,80	81,00	11,90	NBR	LI	---	1491	127,00	159,00	15,00	NBR	LI	---
TCS0907	53,00	75,00	12,00	NBR	LI	00838	4591	127,00	165,10	16,00	NBR	LI	00310
TCS0542	53,19	77,80	12,70	NBR	LI	---	3320	136,50	171,45	15,80	NBR	LI	---
TCS0543	53,98	76,20	9,53	FPM	LI	---	3390	139,70	171,45	15,80	FPM	LI	---
TCS0554	55,00	75,00	16,00	FPM	LI	---	4376	140,00	170,00	16,00	FPM	LI	---
4607	55,00	90,00	12,50	NBR	LI	00964	4758	152,40	177,85	12,70	NBR	LI	---
4719	57,15	88,90	12,70	NBR	LI	---	4629	158,75	196,85	12,70	NBR	LI	---
3565	57,20	92,00	18,00	NBR	LI	00014							
3889	60,30	88,90	17,80	NBR	LI	---							
TCS0569	60,33	88,42	11,13	NBR	LI	00021							
TCS0570	60,33	89,99	9,53	NBR	LI	---							
4439	63,50	82,55	11,10	FPM	LI	---							
TCS0571	63,50	85,09	11,13	NBR	LI	---							
4765	66,70	92,00	11,00	FPM	LI	---							
TCS0736	69,80	98,45	9,50	NBR	LI	---							
1541	69,80	101,60	15,00	NBR	LI	---							
4700	73,00	101,60	12,70	NBR	LI	00116							
4592	74,00	114,00	11,00	NBR	LI	00573							
TCS0880	76,20	101,60	11,12	NBR	LI	02127							
TCS0125	76,20	101,65	11,00	ACM	LI	02127							
4415	78,00	110,00	13,00	NBR	LI	---							
1542	80,96	107,95	13,50	NBR	LI	---							
TCS0911	82,50	107,85	11,90	NBR	LI	---							
3370	82,50	114,30	12,70	NBR	LI	01923							
1543	87,30	114,30	20,50	NBR	LI	---							
4412	87,30	120,80	14,30	NBR	LI	00085							
4619	88,90	114,33	11,89	NBR	LI	---							
TCS0904	89,00	114,25	12,70	NBR	LI	01253							
4205	92,00	123,80	16,00	NBR	LI	---							
1481	92,10	123,85	21,00	NBR	LI	01251							

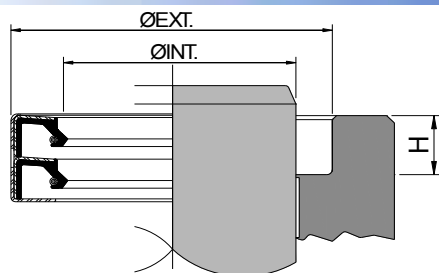
**RETENTOR COM CARÇAÇA METÁLICA EXPOSTA,
DUPLO LÁBIO DE VEDAÇÃO COM MOLLA E
VEDAÇÃO AXILIAR**



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
3514	45,00	73,10	13,0/17,7	NBR	LI	---							

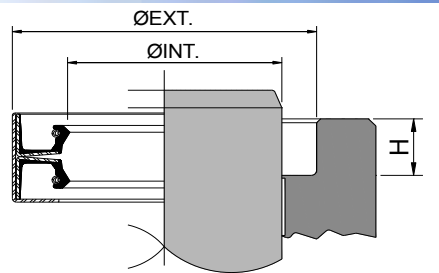
**RETENTOR BLINDADO COM CARÇAÇA EXPOSTA,
DUPLO LÁBIO DE VEDAÇÃO COM MOLLA**



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
1479	54,00	81,00	20,00	NBR	LI	01973							
1888	60,30	85,70	22,80	NBR	LI	02090							

**RETENTOR BLINDADO COM CARÇAÇA EXPOSTA,
DUPLO LÁBIO DE VEDAÇÃO COM MOLLA**



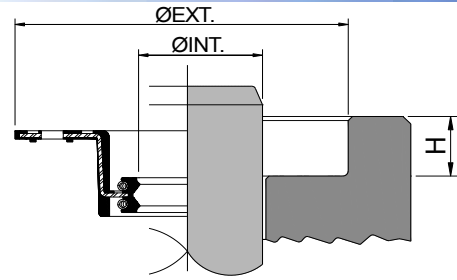
MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
1951	60,30	85,75	22,80	NBR	LI	02267							

RETENTOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO E DUPLO LÁBIO DE VEDAÇÃO COM MOLLA

MEDIDAS DE APLICAÇÕES

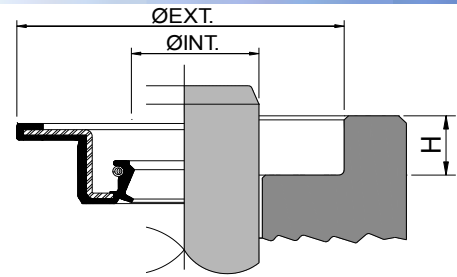
CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
4286	27,00	76,10	16,00	NBR	LI	---							



RETENTOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO, LÁBIO DE VEDAÇÃO COM MOLLA E VEDAÇÃO AUXILIAR

MEDIDAS DE APLICAÇÕES

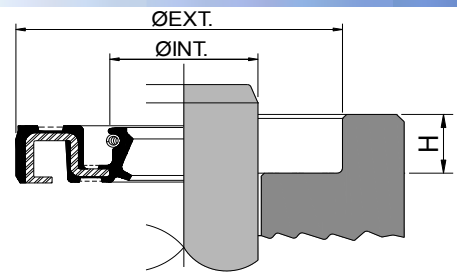
CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
4617	90,00	110,0/154,0	13,00	FPM	AH	---							
4623	90,00	110,0/170,0	11,00	FPM	AH	---							



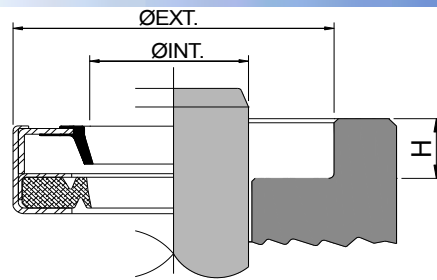
RETENTOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO, VEDAÇÃO AUXILIAR E LÁBIO DE VEDAÇÃO COM MOLLA

MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
4659	30,00	72,00	6,50	NBR	BI	02672							



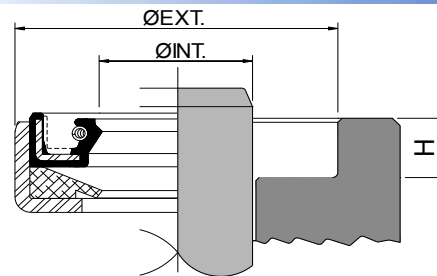
RETENTOR BLINDADO COM CARÇAÇA METÁLICA EXPOSTA, LÁBIO DE VEDAÇÃO COM MOLLA E GUARDA PÓ EM PU



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
1764	130,00	160,00	20,00	NBR/PU	LI	---							
1963	140,00	170,00	20,00	NBR/PU	LI	---							

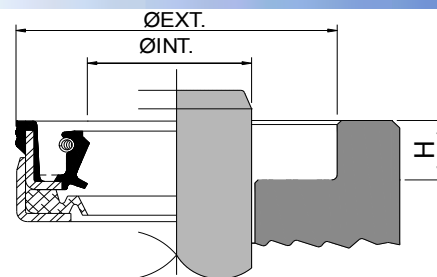
RETENTOR COM CARÇAÇA METÁLICA EXPOSTA, LÁBIO DE VEDAÇÃO COM MOLLA E GUARDA PÓ EM PU



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
1528	41,30	61,90	13,50	NBR/PU	LI	---							
1243	42,00	58,80	12,70	NBR/PU	LI	---							

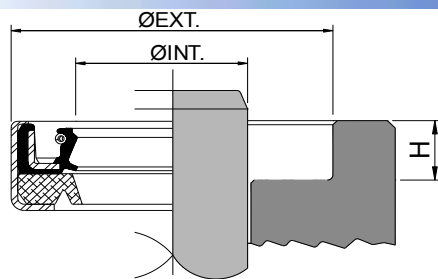
RETENTOR COM CARÇAÇA METÁLICA EXPOSTA, LÁBIO DE VEDAÇÃO COM MOLLA E GUARDA PÓ EM PU



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
6366	28,00	42,00	11,00	NBR/PU	LI	---							
1928	46,00	65,00	15,00	NBR/PU	LI	---							
3264	55,00	75,00	16,00	NBR/PU	LI	---							

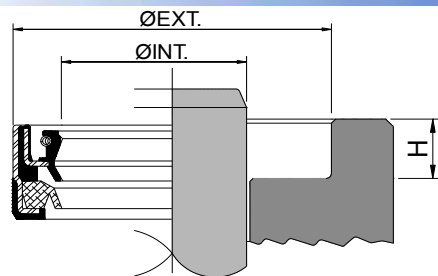
RETENTOR BLINDADO COM CARÇAÇA METÁLICA EXPOSTA, LÁBIO DE VEDAÇÃO COM MOLLA E GUARDA PÓ EM PU



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
3257	30,00	44,00	11,00	NBR/PU	LI	---	3738	45,00	65,00	18,50	NBR/PU	LI	---
3736	30,00	44,00	14,00	NBR/PU	LI	---	1506	46,00	65,00	16,00	NBR/PU	LI	---
3393	35,00	50,00	11,00	NBR/PU	LI	---	4895	46,15	80,00	16,50	NBR/PU	LI	---
1600	35,00	52,00	14,50	NBR/PU	LI	---	1940	56,00	75,00	22,00	NBR/PU	LI	---
4698	39,70	54,00	12,70	FPM/PU	LI	---	3235	57,00	80,00	16,50	NBR/PU	LI	---
3243	40,00	55,00	10,00	NBR/PU	LI	---	3253	57,00	82,00	17,00	NBR/PU	LI	---
1896	40,00	60,00	18,00	MVQ/PU	LI	---	3895	136,00	165,50	15,00	NBR/PU	LI	---
3228	40,00	60,00	18,00	NBR/PU	LI	---							
3028	42,00	62,00	14,50	NBR/PU	LI	---							
3122	45,00	65,00	12,00	NBR/PU	LI	---							

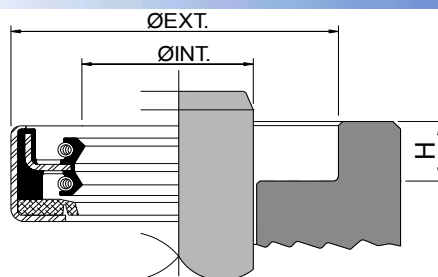
RETENTOR BLINDADO COM CARÇAÇA METÁLICA PARCIALMENTE RECOBERTO EM ELASTÔMERO, LÁBIO DE VEDAÇÃO COM MOLLA E GUARDA PÓ EM PU



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
3737	45,00	60,00	16,00	NBR/PU	LI	---							
AX0171	45,00	62,00	19,00	NBR/PU	LI	---							

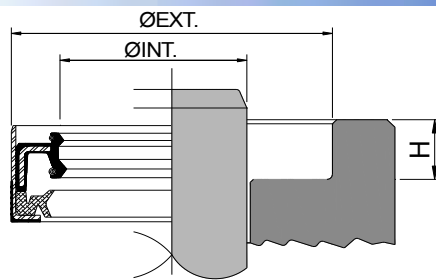
RETENTOR BLINDADO COM CARÇAÇA METÁLICA EXPOSTA, LÁBIO DE VEDAÇÃO COM MOLLA E GUARDA PÓ EM PU



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
3521	42,00	62,00	21,50	NBR/PU	LI	---							
4386	47,00	65,00	16,50	NBR/PU	LI	---							
3280	130,00	154,00	18,00	NBR/PU	LI	---							

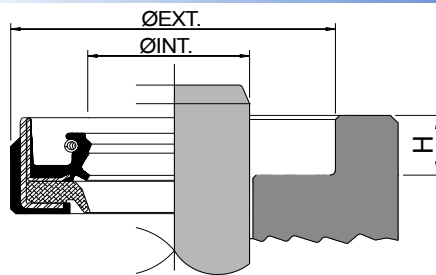
RETENTOR COM CARCAÇA METÁLICA EXPOSTA, PARCIALMENTE RECOBERTO EM ELASTÔMERO, LÁBIO DE VEDAÇÃO COM MOLLA E GUARDA PÓ EM PU



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
3266	40,00	60,00	25,00	NBR/PU	LI	---							
AX0165	46,00	65,00	21,00	NBR/PU	LI	---							
AX0231	45,00	65,00	25,00	NBR/PU	LI	---							

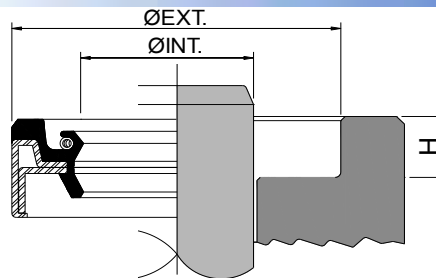
RETENTOR BLINDADO COM CARCAÇA METÁLICA, REVESTIDO EM ELASTÔMERO, LÁBIO COM MOLLA, VEDAÇÃO AUXILIAR E GUARDA PÓ EM PU



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
3026	90,00	120,00	20,00	NBR/PU	LI	---							

RETENTOR BLINDADO COM CARCAÇA METÁLICA EXPOSTA, LÁBIO DE VEDAÇÃO COM MOLLA E VEDAÇÃO AUXILIAR



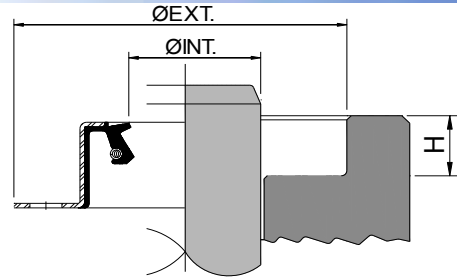
MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
6258	34,92	50,80	12,00	MVO/FPM	LI	---							



AGFO

RETENTOR COM CARÇAÇA METÁLICA EXPOSTA,
LÁBIO DE VEDAÇÃO COM MOLLA E VEDAÇÃO
AUXILIAR



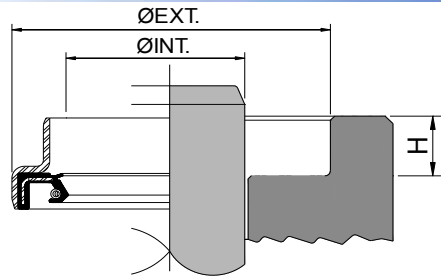
MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT	Ø EXT.	H	MAT	ORI	REF
1494	150,00	174,00	28,00	NBR	LI	---							



AGFP

RETENTOR COM CARÇAÇA METÁLICA EXPOSTA,
LÁBIO DE VEDAÇÃO COM MOLLA E VEDAÇÃO
AUXILIAR



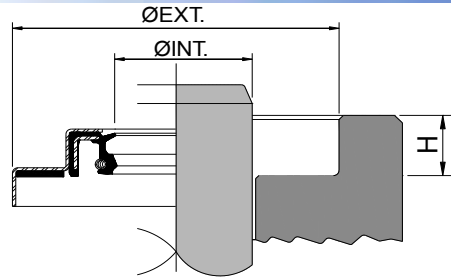
MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT	Ø EXT.	H1 / H2	MAT	ORI	REF
3286	60,30	79,40	8,5/18,0	NBR	LI	---							



AGGS

RETENTOR COM CARÇAÇA METÁLICA EXPOSTA,
LÁBIO DE VEDAÇÃO COM MOLLA E VEDAÇÃO
AUXILIAR



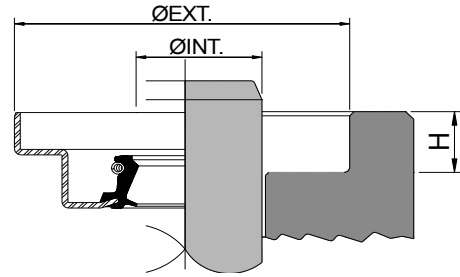
MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT	Ø EXT.	H1 / H2	MAT	ORI	REF
1720	88,90	152,40	15,00	NBR	LI	02804							

**RETENTOR COM CARCAÇA METÁLICA EXPOSTA,
LÁBIO DE VEDAÇÃO COM MOLA E VEDAÇÃO
AUXILIAR**

MEDIDAS DE APLICAÇÕES

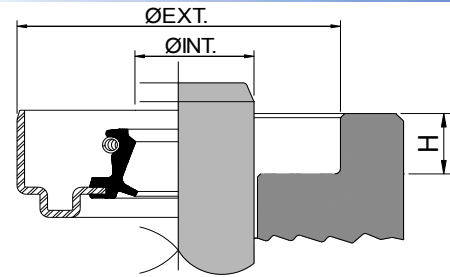
CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
3888	69,85	139,70	13,5/30,0	NBR	LI	---							



**RETENTOR COM CARCAÇA METÁLICA EXPOSTA,
LÁBIO DE VEDAÇÃO COM MOLA E VEDAÇÃO
AUXILIAR**

MEDIDAS DE APLICAÇÕES

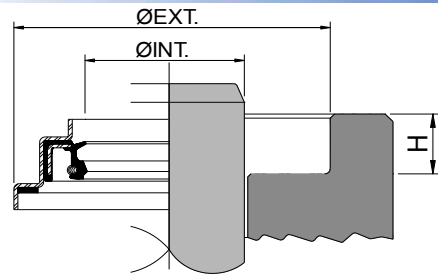
CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
3840	70,00	115,00	13,0/17,0	FPM	BI	---							



**RETENTOR COM CARCAÇA METÁLICA EXPOSTA,
LÁBIO DE VEDAÇÃO COM MOLA E VEDAÇÃO
AUXILIAR**

MEDIDAS DE APLICAÇÕES

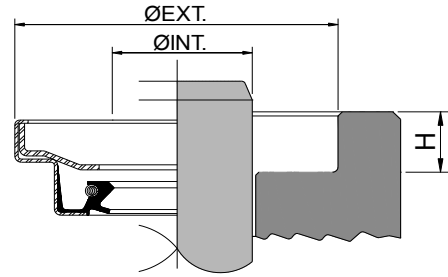
CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
1955	82,60	134,55	41,20	NBR	LI	02019							
1952	88,90	152,40	39,10	NBR	LI	02018							



RETENTOR BLINDADO COM CARÇAÇA METÁLICA EXPOSTA, LÁBIO DE VEDAÇÃO COM MOLLA E VEDAÇÃO AUXILIAR

MEDIDAS DE APLICAÇÕES

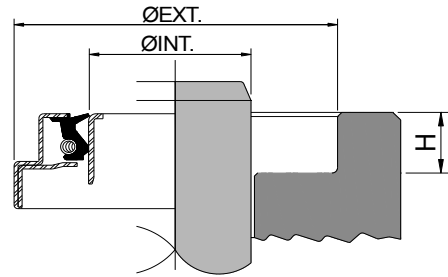
CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
1488	116,00	168,50	13,00	NBR	LI	---							



RETENTOR BLINDADO COM CARÇAÇA METÁLICA EXPOSTA, LÁBIO DE VEDAÇÃO COM MOLLA E VEDAÇÃO AUXILIAR

MEDIDAS DE APLICAÇÕES

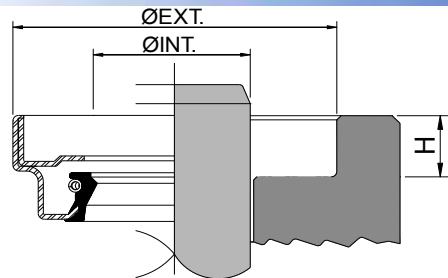
CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
3585	120,00	152,40	11,0/23,5	NBR	LI	---							



RETENTOR BLINDADO COM CARÇAÇA METÁLICA EXPOSTA E LÁBIO DE VEDAÇÃO COM MOLLA

MEDIDAS DE APLICAÇÕES

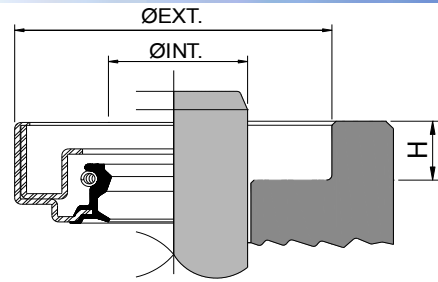
CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
4736	100,00	128,00	15,0/25,0	NBR	LI	01805							



RETENTOR BLINDADO COM CARÇAÇA METÁLICA EXPOSTA, LÁBIO DE VEDAÇÃO COM MOLLA E VEDAÇÃO AUXILIAR

MEDIDAS DE APLICAÇÕES

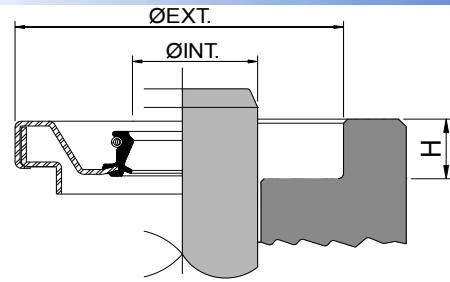
CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
4307	88,90	122,90	19,00	NBR	BI	02484							



RETENTOR BLINDADO COM CARÇAÇA METÁLICA EXPOSTA, LÁBIO DE VEDAÇÃO COM MOLLA E VEDAÇÃO AUXILIAR

MEDIDAS DE APLICAÇÕES

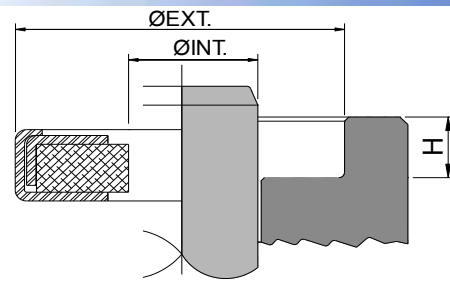
CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
4774	80,00	130,20	12,0/20,0	FPM	BI	---							



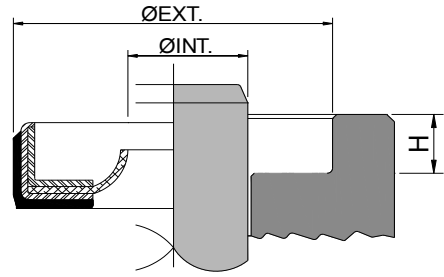
RETENTOR BLINDADO COM CARÇAÇA METÁLICA EXPOSTA E VEDAÇÃO COM FELTRO

MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
AG7716	42,00	72,00	9,00	FELTRO	LI	---							
3955	82,55	107,95	9,50	FELTRO	LI	---							



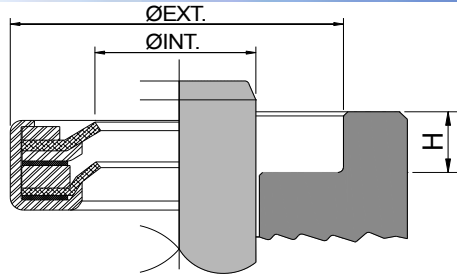
RETENTOR BLINDADO COM REVESTIMENTO EXTERNO EM ELASTÔMERO, VEDAÇÃO AUXILIAR EM PTFE



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
6639	39,95	62,00	7,50	NBR/PTFE	LI	---							
3274	110,00	140,00	12,50	NBR/PTFE	AH	---							

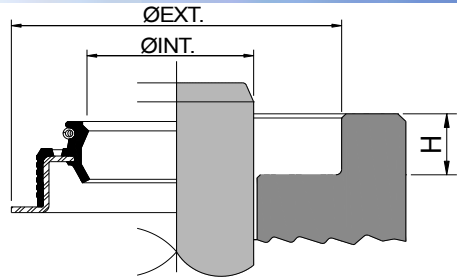
RETENTOR BLINDADO COM CARÇAÇA METÁLICA EXPOSTA E DUPLO LÁBIO DE VEDAÇÃO EM PTFE



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
AG8325	19,05	31,75	7,94	PTFE	LI	---	4647	32,80	50,80	8,70	PTFE	LI	---
3698	25,40	42,86	9,50	PTFE	LI	---	AG7738	33,00	45,20	6,50	PTFE	LI	---
3699	30,15	47,60	8,70	PTFE	LI	---	3701	34,92	53,97	9,00	PTFE	LI	---
3700	31,70	50,80	9,50	PTFE	LI	---							

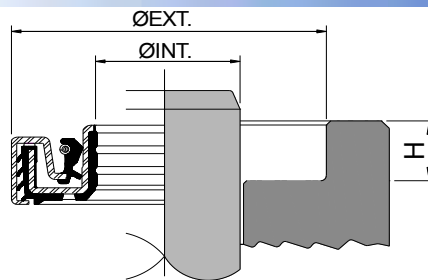
RETENTOR COM RESVESTIMENTO EXTERNO EM ELASTÔMERO, LÁBIO DE VEDAÇÃO COM MOLLA E VEDAÇÃO AUXILIAR



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
AG7509	15,00	29,00	14,50	FPM	LI	---							
AG7510	22,00	36,00	14,50	FPM	LI	---							
AG7572	22,00	36,00	14,50	FPM	LI	---							
4173	25,00	38,00	14,50	FPM	LI	02797							
AG8207	25,00	40,00	15,00	FPM	LI	---							

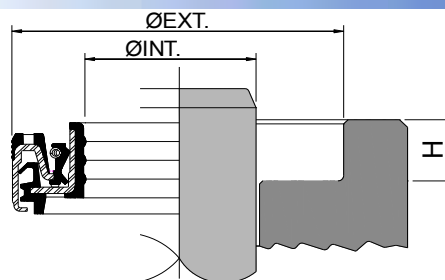
RETENTOR TIPO CASSETTE COM CARÇAÇA METÁLICA EXPOSTA, COM PISTA PRÓPRIA NO LÁBIO DE VEDAÇÃO



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
4309	121,80	150,00	13,00	NBR	LI	---							
4322	136,80	165,00	13,00	NBR	LI	---							
4253	167,80	198,00	17,00	NBR	BI	---							

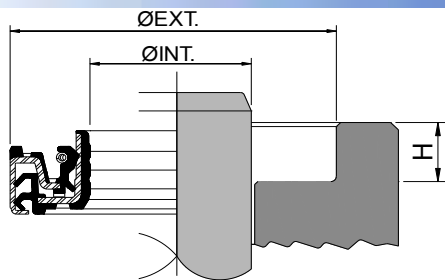
RETENTOR TIPO CASSETTE, REVESTIDO PARCIALMENTE NO EXTERNO EM ELASTÔMERO E PISTA PRÓPRIA NO LÁBIO DE VEDAÇÃO



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
3268	45,00	70,00	14,5/17,0	NBR	LI	---	3162	155,00	195,00	18,0/18,0	NBR	LI	---
3249	70,00	95,00	13,0/14,5	NBR	LI	---	3566	190,00	220,00	16,0/18,0	NBR	LI	---
4747	127,00	160,00	15,5/17,5	NBR	LI	---							
3988	140,00	170,00	14,5/16,0	FPM	LI	---							
3251	150,00	180,00	14,5/16,0	NBR	BI	---							

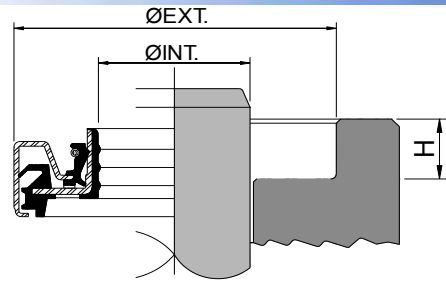
RETENTOR TIPO CASSETTE, REVESTIDO PARCIALMENTE NO EXTERNO EM ELASTÔMERO E PISTA PRÓPRIA NO LÁBIO DE VEDAÇÃO



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
3360	48,00	75,00	14,5/17,0	NBR	LI	---	AX0016	150,00	178,00	13,0/16,0	NBR	LI	---
AX0018	53,20	78,00	13,0/14,0	NBR	LI	---	3713	165,00	195,00	16,5/18,0	NBR	LI	---
4844	65,00	92,00	10,0/15,0	NBR/FPM	LI	---	4795	170,00	200,00	15,0/16,0	FPM	LI	---
1744	66,15	91,00	12,5/14,0	NBR	LI	---	4759	178,00	208,00	14,5/18,0	NBR	LI	---
AX0076	130,00	160,00	14,5/16,0	NBR	LI	---							
4430	136,80	165,00	13,0/13,0	NBR	BI	---							

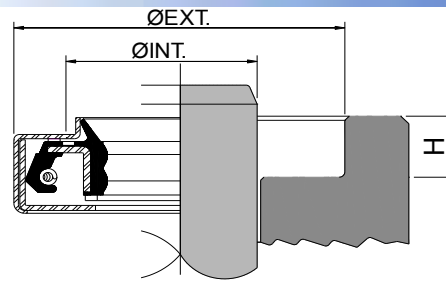
RETENTOR TIPO CASSETTE COM CARÇAÇA METÁLICA EXPOSTA, COM PISTA PRÓPRIA NO LÁBIO DE VEDAÇÃO



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
3239	35,00	65,00	14,5/17,5	NBR	LI	---							
3394	155,00	190,00	17,0/19,0	NBR	LI	---							
3588	165,00	190,00	15,5/17,0	NBR	LI	---							

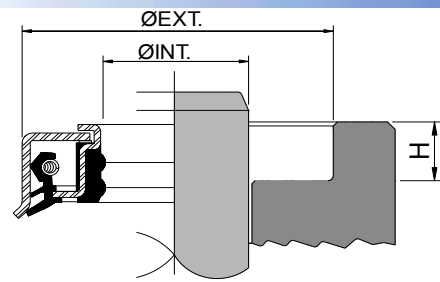
RETENTOR TIPO CASSETTE COM CARÇAÇA METÁLICA EXPOSTA, COM PISTA PRÓPRIA NO LÁBIO DE VEDAÇÃO



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
3299	130,00	160,00	14,0/17,0	NBR	LI	---							
3240	150,00	176,00	13,0/17,0	NBR	LI	---							
4691	160,00	196,00	14,0/17,0	NBR	LI	---							
4723	178,00	205,00	17,0/21,0	NBR	LI	---							

RETENTOR TIPO CASSETTE COM CARÇAÇA METÁLICA EXPOSTA, COM PISTA PRÓPRIA NO LÁBIO DE VEDAÇÃO



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
3841	130,00	160,00	15,5/20,0	NBR	LI	---							
3842	140,00	170,00	15,5/17,5	FPM	LI	---							

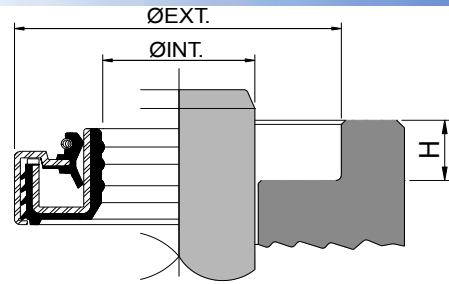


AGBI

RETENTOR TIPO CASSETTE COM CARÇAÇA METÁLICA EXPOSTA, COM PISTA PRÓPRIA NO LÁBIO DE VEDAÇÃO

MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
3270	167,80	198,00	13,0/17,0	NBR	BI	---							

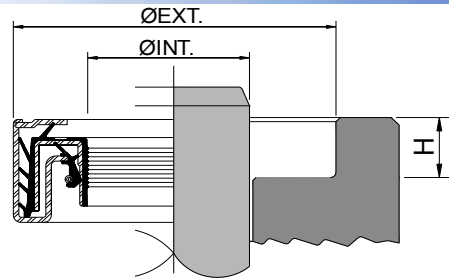


AGBJ

RETENTOR TIPO CASSETTE COM CARÇAÇA METÁLICA EXPOSTA, COM PISTA PRÓPRIA NO LÁBIO DE VEDAÇÃO

MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
3272	127,00	159,00	24,00	NBR	LI	---							

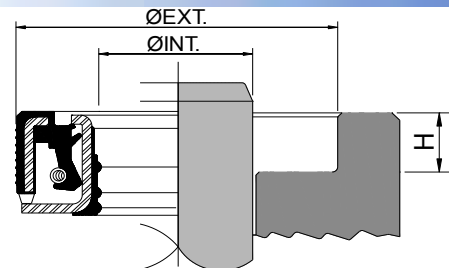


AGBK

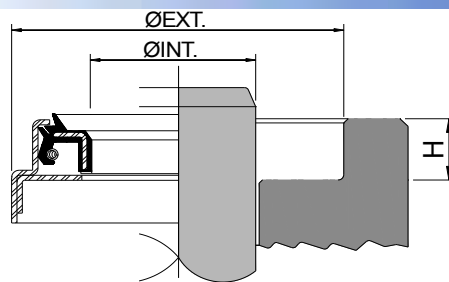
RETENTOR TIPO CASSETTE COM REVESTIMENTO EM ELASTÔMERO, PISTA PRÓPRIA NO LÁBIO DE VEDAÇÃO

MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
3321	76,20	95,25	13,5/14,0	NBR	LI	---							



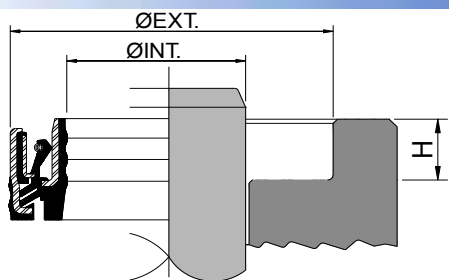
RETENTOR TIPO CASSETTE COM CARÇAÇA METÁLICA EXPOSTA, COM PISTA PRÓPRIA NO LÁBIO DE VEDAÇÃO



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT	Ø EXT.	H	MAT	ORI	REF
TCS0154	121,10	160,20	35,00	NBR	LI	02713							
1555	127,00	159,00	24,00	NBR	LI	---							

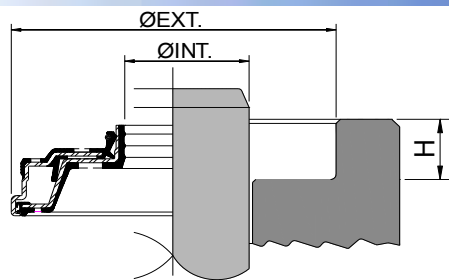
RETENTOR TIPO CASSETTE, REVESTIDO PARCIALMENTE NO EXTERNO EM ELASTÔMERO E PISTA PRÓPRIA NO LÁBIO DE VEDAÇÃO



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT	Ø EXT.	H	MAT	ORI	REF
3267	44,50	63,50	18,00	NBR	LI	---							

RETENTOR TIPO CASSETTE COM REVESTIMENTO EM ELASTÔMERO, PISTA PRÓPRIA NO LÁBIO DE VEDAÇÃO



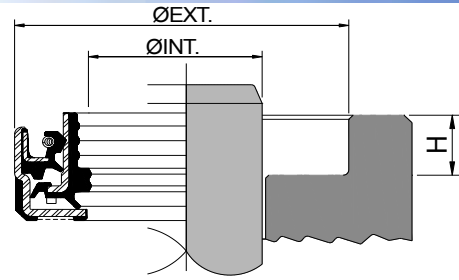
MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT	Ø EXT.	H1 / H2	MAT	ORI	REF
3269	35,00	92,00	13,0/27,0	NBR	LI	---							



AGBL

RETENTOR TIPO CASSETTE, REVESTIDO PARCIALMENTE NO EXTERNO EM ELASTÔMERO E PISTA PRÓPRIA NO LÁBIO DE VEDAÇÃO



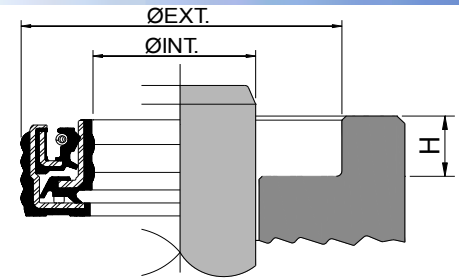
MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT	Ø EXT.	H	MAT	ORI	REF							
3309	60,30	79,40	15,00	NBR	LI	---							



AGBL1

RETENTOR TIPO CASSETTE, REVESTIDO NO EXTERNO EM ELASTÔMERO E PISTA PRÓPRIA PRÓPRIA NO LÁBIO DE VEDAÇÃO



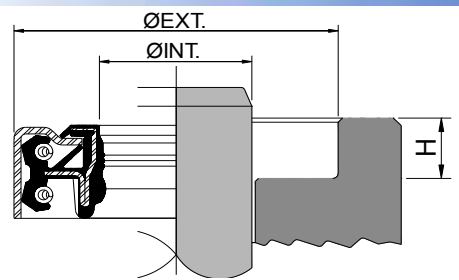
MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT	Ø EXT.	H	MAT	ORI	REF
4763	80,00	100,00	14,00	NBR	LI	---							



AGBM

RETENTOR TIPO CASSETTE COM CARÇAÇA METÁLICA EXPOSTA, COM PISTA PRÓPRIA NO LÁBIO DE VEDAÇÃO



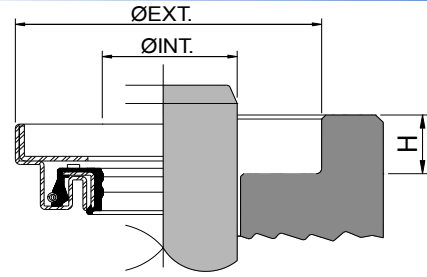
MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT	Ø EXT.	H	MAT	ORI	REF
3518	150,00	180,00	16,00	NBR	LI	---							

RETENTOR TIPO CASSETTE COM CARÇAÇA METÁLICA EXPOSTA, COM PISTA PRÓPRIA NO LÁBIO DE VEDAÇÃO

MEDIDAS DE APLICAÇÕES

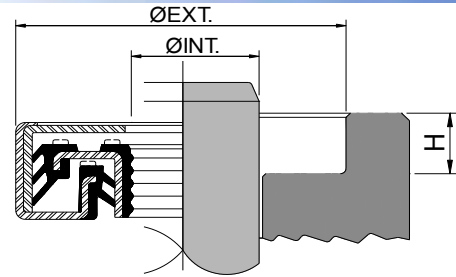
CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
3615	117,00	168,00	15,80	NBR	LI	---							



RETENTOR TIPO CASSETTE COM CARÇAÇA METÁLICA EXPOSTA, COM PISTA PRÓPRIA NO LÁBIO DE VEDAÇÃO

MEDIDAS DE APLICAÇÕES

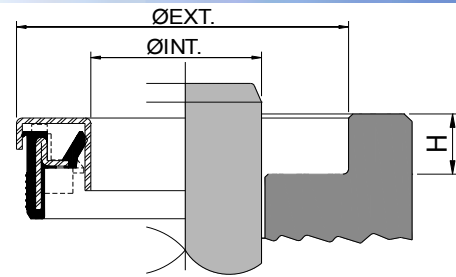
CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
AX0033	25,00	52,00	12,00	NBR	LI	---							
5672	30,00	52,00	10,00	NBR	LI	02744							
4144	30,00	62,00	12,50	NBR	LI	---							
4402	65,00	96,90	12,70	NBR	LI	---							



RETENTOR TIPO CASSETTE, REVESTIDO NO EXTERNO EM ELASTÔMERO E PISTA PRÓPRIA PRÓPRIA NO LÁBIO DE VEDAÇÃO

MEDIDAS DE APLICAÇÕES

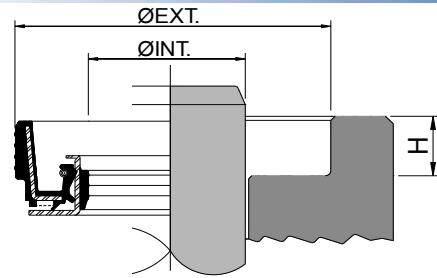
CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
5686	62,00	78,00	14,00	NBR	LI	---							





AGBQ

RETENTOR TIPO CASSETTE, REVESTIDO
NO EXTERNO EM ELASTÔMERO E PISTA PRÓPRIA
PRÓPRIA NO LÁBIO DE VEDAÇÃO



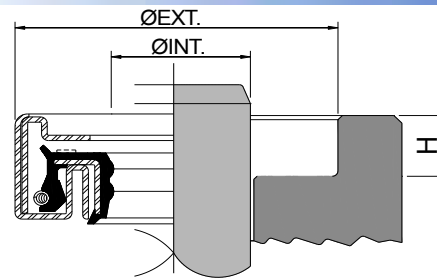
MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT	Ø EXT.	H	MAT	ORI	REF							
4301	89,00	123,00	23,00	NBR	LI	---							



AGBR

RETENTOR TIPO CASSETTE COM CARÇAÇA
METÁLICA EXPOSTA, COM PISTA PRÓPRIA NO
LÁBIO DE VEDAÇÃO



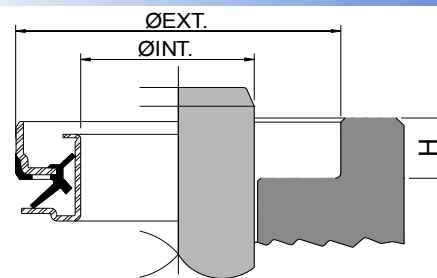
MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT	Ø EXT.	H	MAT	ORI	REF
4662	87,30	120,78	15,37	NBR	LI	---							
4677	106,50	140,00	15,00	NBR	LI	02894							
4446	127,00	158,75	16,00	NBR	LI	02496							



AGBU

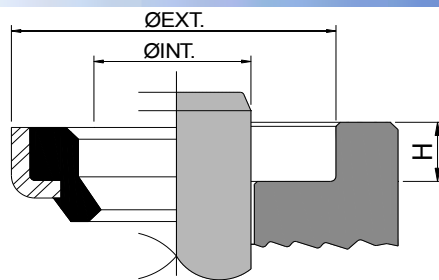
RETENTOR TIPO CASSETTE, REVESTIDO
PARCIALMENTE NO EXTERNO EM ELASTÔMERO E
PISTA PRÓPRIA NO LÁBIO DE VEDAÇÃO



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT	Ø EXT.	H1 / H2	MAT	ORI	REF
4502	122,00	142,00	10,0/5,0	FPM	LI	---							

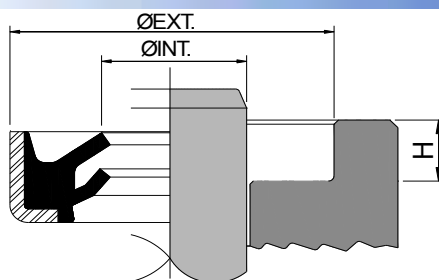
RASPADOR COM CARÇAÇA METÁLICA EXPOSTA E LÁBIO RASPADOR



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
AG7213	12,70	19,05	2,5/3,2	NBR	LI	---							
9720	16,00	22,00	3,0/4,0	NBR	LI	---							

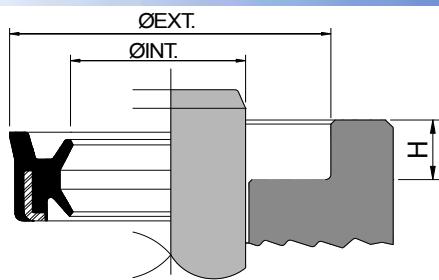
RASPADOR COM CARÇAÇA METÁLICA EXPOSTA E DUPLO LÁBIO RASPADOR



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
4598	70,00	79,00	5,00	NBR	LI	---							

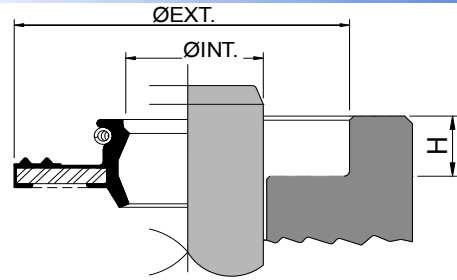
RASPADOR COM DIÂMETRO EXTERNO REVESTIDO EM ELASTÔMERO E DUPLO LÁBIO RASPADOR



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
5325	19,00	26,00	5,50	NBR	LI	---							

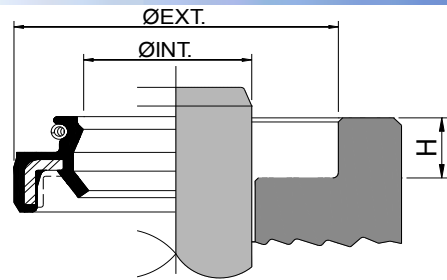
RETENTOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO E LÁBIO DE VEDAÇÃO COM MOLLA



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
AG8326	19,00	35,00	2,3/7,0	NBR	LI	---							

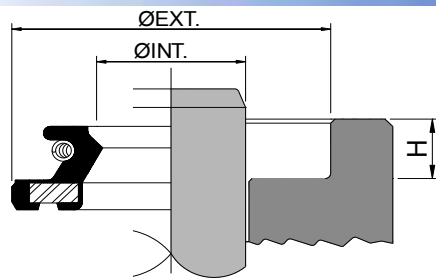
RETENTOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO, LÁBIO DE VEDAÇÃO COM MOLLA E LÁBIO DE PÓ



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
AG8322	22,00	32,00	5,0/8,0	FPM	LI	---							

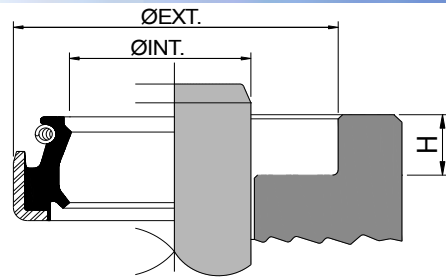
RETENTOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO, LÁBIO DE VEDAÇÃO COM MOLLA



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
6286	22,00	33,00	2,20	NBR	LI	---							
1489	27,50	37,70	7,50	NBR	LI	---							

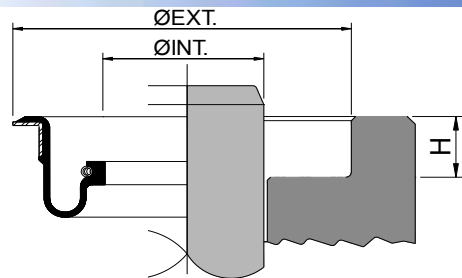
RETENTOR COM CARÇAÇA METÁLICA EXPOSTA, LÁBIO COM MOLLA, VEDAÇÃO AUXILIAR



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
3484	28,00	35,00	4,8/7,5	NBR	LI	---							

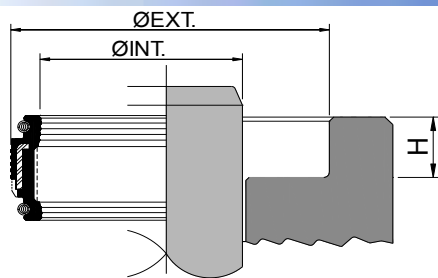
GUARDA PÓ COM CARÇAÇA METÁLICA



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
1403	14,00	50,50	46,00	NBR	LI	02020							

RETENTOR COM REVESTIMENTO EXTERNO EM ELASTÔMENTO E DUPLO LÁBIO DE VEDAÇÃO COM MOLLA



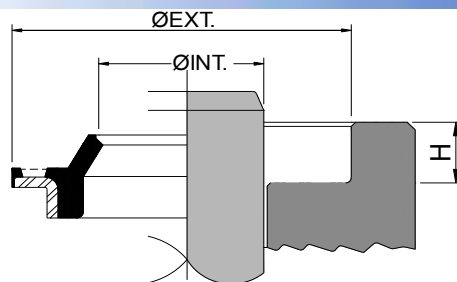
MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
4174	35,00	45,15	15,0/24,0	NBR	LI	02336							



AGGD

RASPADOR COM CARÇAÇA METÁLICA REVESTIDO EM ELASTÔMERO



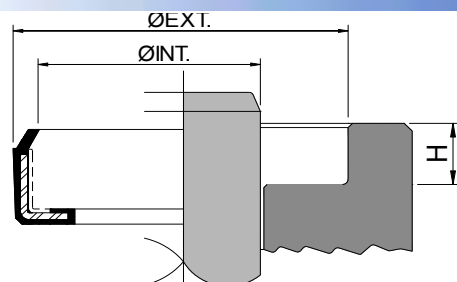
MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H 1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H 1 / H2	MAT	ORI	REF
1153	24,00	32,00	5,0/6,0	NBR	LI	---							



AGGQ

RASPADOR COM CARÇAÇA METÁLICA REVESTIDO EM ELASTÔMERO



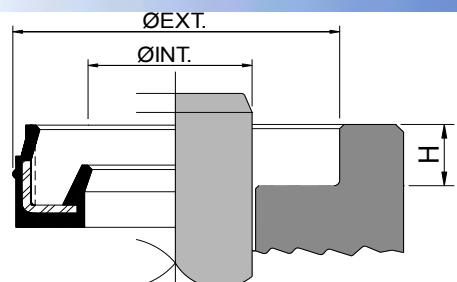
MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
AG7648	15,00	30,00	12,50	NBR	LI	---							



AGGQ1

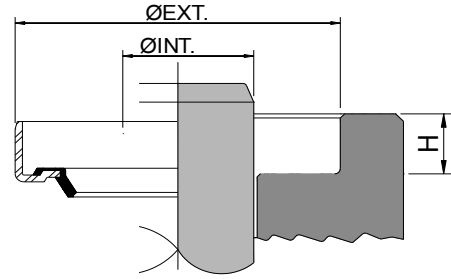
RASPADOR COM CARÇAÇA METÁLICA REVESTIDO EM ELASTÔMERO



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
6711	15,50	30,80	11,50	NBR	LI	---							
AG7521	18,00	33,50	14,50	NBR	LI	---							

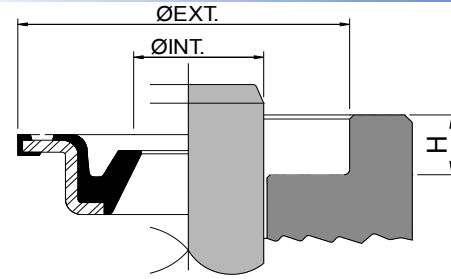
RASPADOR COM CARÇAÇA METÁLICA EXPOSTA



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
1023	50,00	62,00	5,0/7,0	NBR	LI	---							
4695	56,00	70,00	8,0/10,0	NBR	LI	---							
4798	70,00	90,00	9,0/11,0	NBR	LI	---							

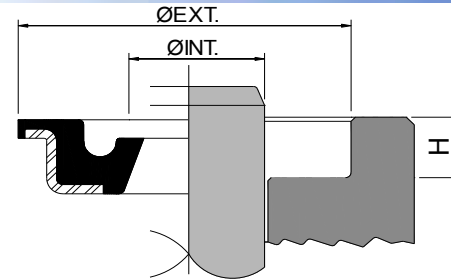
**RASPADOR COM CARÇAÇA METÁLICA,
REVESTIDO PARCIALMENTE EM ELASTÔMERO**



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
5733	23,00	32,00	4,50	NBR	LI	---							
9799	27,00	33,40	5,00	NBR	LI	---							

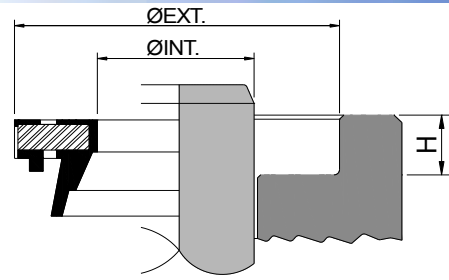
**RASPADOR COM CARÇAÇA METÁLICA,
REVESTIDO PARCIALMENTE EM ELASTÔMERO**



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
5313	31,70	44,50	4,5/6,0	NBR	LI	---							

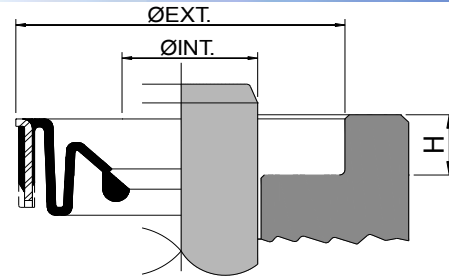
VEDADOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
9712	31,00	43,00	3,0/7,5	NBR	LI	---							

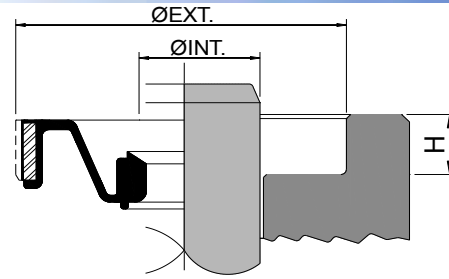
GUARDA PÓ COM REVESTIMENTO EXTERNO EM ELASTÔMERO



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
6869	47,00	65,00	9,00	EPDM	LI	---							

GUARDA PÓ COM REVESTIMENTO EXTERNO EM ELASTÔMERO



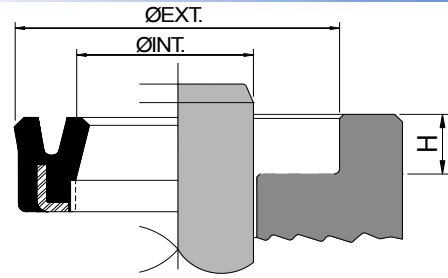
MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
AG7685	47,00	67,00	5,0/6,0	NBR	LI	---							



BRXE

RASPADOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO



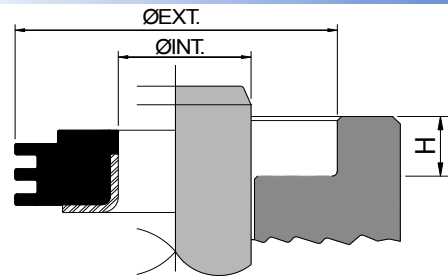
MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
CX1256	55,00	70,00	12,00	NBR	LI	02517							



GGGX

RASPADOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO



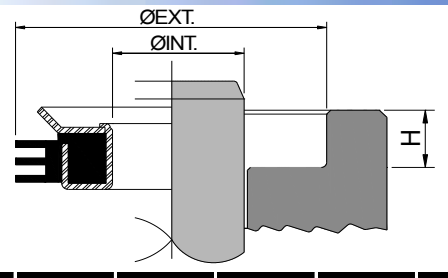
MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
3357	44,45	66,70	7,00	NBR	LI	---	3359	63,50	92,07	9,00	NBR	LI	---
4222	50,00	80,00	8,30	NBR	LI	---	4399	73,00	95,25	7,30	NBR	LI	---
3358	50,80	73,00	6,50	NBR	LI	---	3339	76,20	114,30	7,00	NBR	LI	---
1960	52,40	74,70	8,40	NBR	LI	02026	AX0237	88,90	125,00	8,00	NBR	LI	---



GGGX1

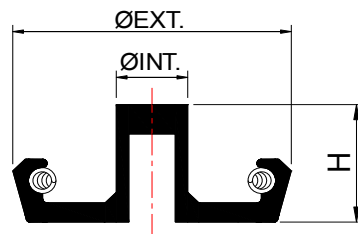
RASPADOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO COM CAPA DE PROTEÇÃO



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
AG8406	38,00	59,00	8,0/10,0	NBR	LI	---							

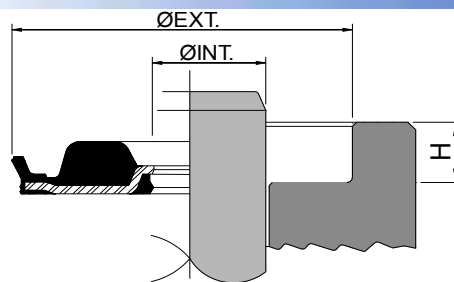
VEDADOR COM MOLA



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
AG7677	5,00	CS0806	14,00	NBR	LI	01102							

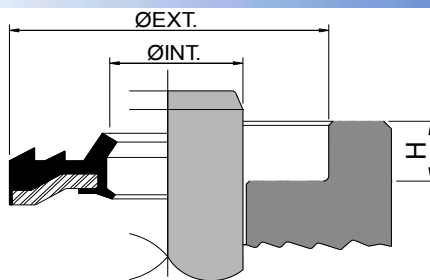
VEDADOR COM CARÇA METÁLICA



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
4641	50,00	100,00	7,50	NBR	LI	---							

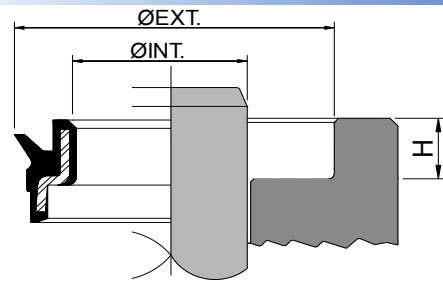
VEDADOR COM CARÇA METÁLICA



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
AG7211	17,60	29,80	3,5/4,4	NBR	LI	---							

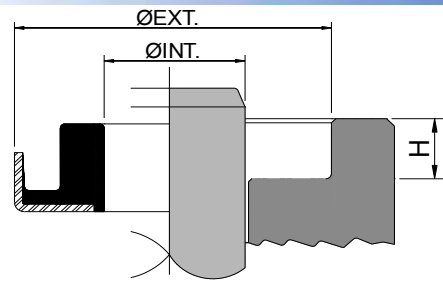
**RASPADOR COM REVESTIMENTO EM ELASTÔMERO
E LÁBIO DE VEDAÇÃO AUXILIAR**



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF							
AG7679	20,90	30,06	12,00	NBR	LI	01876							

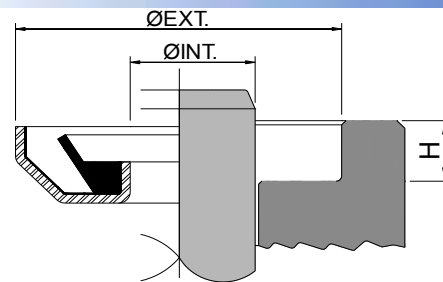
VEDADOR COM CARÇA METÁLICA EXPOSTA



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
1532	85,70	107,95	7,90	NBR	LI	01900							

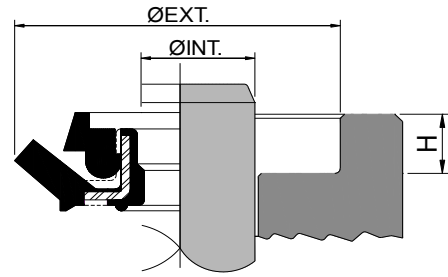
GUARDA PÓ COM CARÇA METÁLICA EXPOSTA



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
3324	32,00	53,00	6,50	NBR	LI	---							
6838	35,00	52,00	3,50	NBR	LI	---							

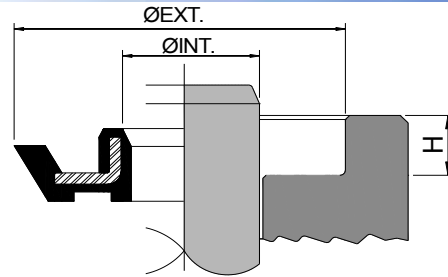
VEDADOR COM REVESTIMENTO EM ELASTÔMERO



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
4442	50,80	70,00	7,50	NBR	LI	---							

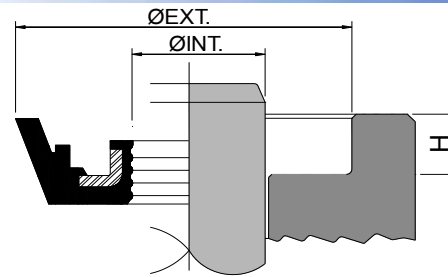
VEDADOR COM REVESTIMENTO EM ELASTÔMERO



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
1968	57,15	84,13	9,00	NBR	LI	---							

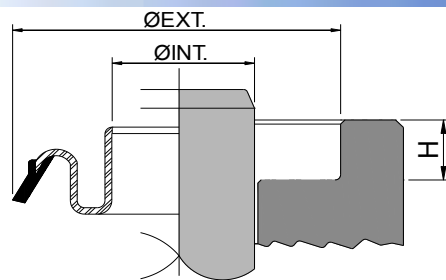
VEDADOR COM REVESTIMENTO EM ELASTÔMERO



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
9754	16,00	32,00	8,00	NBR	LI	---							
3482	75,00	90,00	6,50	NBR	LI	---							

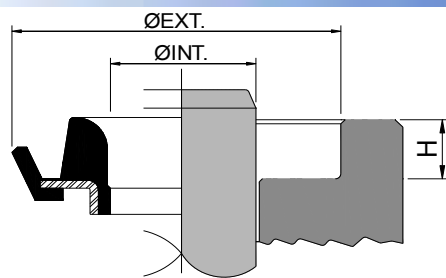
RASPADOR COM CARÇAÇA METÁLICA E LÁBIO RASPADOR



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
4126	65,00	94,60	12,50	NBR	LI	---							

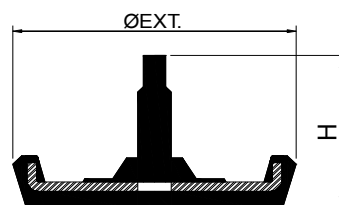
VEDADOR COM REVESTIMENTO EM ELASTÔMERO



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
4293	46,00	65,60	11,10	NBR	LI	01546							

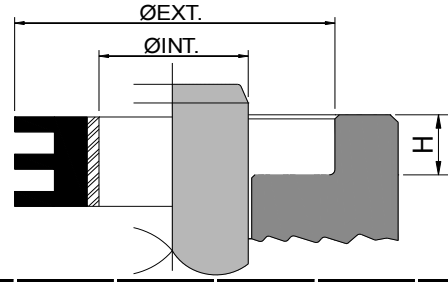
VEDADOR COM REVESTIMENTO EM ELASTÔMERO



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
AG7672	2,00	24,50	14,70	NBR	LI	10316							

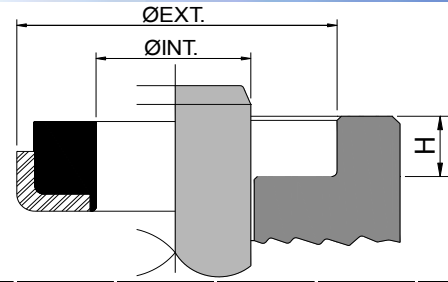
VEDADOR COM CARÇAÇA METÁLICA



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
3327	56,50	65,00	6,30	NBR	LI	---							

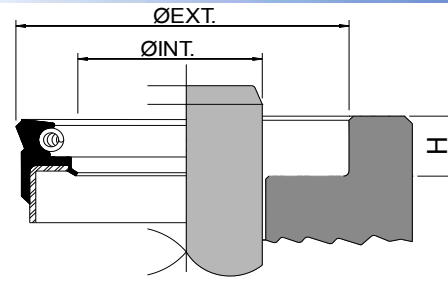
VEDADOR COM CARÇAÇA METÁLICA EXPOSTA



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
1552	73,00	90,00	7,0/10,5	NBR	LI	---							

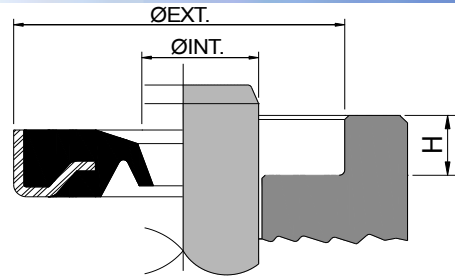
RETENTOR COM REVESTIMENTO EXTERNO EM ELASTÔMERO E LÁBIO DE VEDAÇÃO COM MOLLA



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
4694	74,50	80,10	22,00	NBR	LI	01874							
4636	143,00	150,00	27,00	NBR	LI	01090							

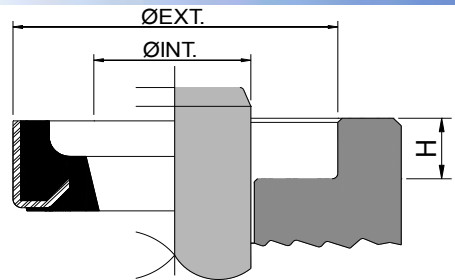
RASPADOR COM CARÇAÇA METÁLICA EXPOSTA



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
3246	60,00	90,00	8,00	PU	LI	---							

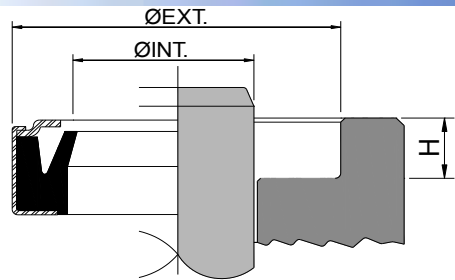
RASPADOR COM CARÇAÇA METÁLICA EXPOSTA



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
6365	44,45	61,90	11,00	PU	LI	---							
6438	53,97	73,02	11,00	PU	LI	---							

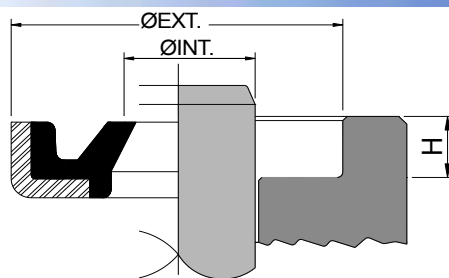
RASPADOR COM CARÇAÇA METÁLICA EXPOSTA



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
3352	50,00	66,50	6,30	NBR	LI	---							
3055	50,80	69,85	15,80	PU	LI	---							
1354	50,80	70,00	9,50	PU	LI	---							
1331	63,50	82,55	9,50	PU	LI	---							
AG7053	75,00	90,00	5,00	PU	LI	---							
4669	110,00	125,00	9,00	PU	LI	---							

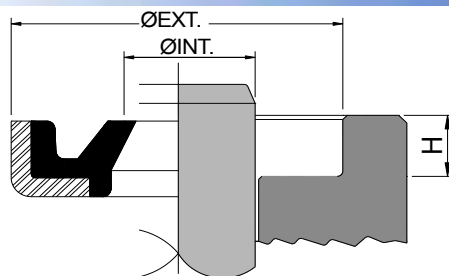
RASPADOR COM CARÇAÇA METÁLICA EXPOSTA



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
TCS1012	7,95	15,88	3,96	NBR	LI	---	AG7681	35,00	45,00	7,00	MVQ	LI	---
9882	10,00	15,30	2,00	NBR	LI	---	5941	38,00	54,00	8,00	NBR	LI	---
AG8153	12,70	25,40	6,35	PU	LI	---	1384	38,10	50,80	6,40	PU	LI	---
9782	17,00	23,50	3,00	NBR	LI	---	1455	38,10	50,80	8,00	PU	LI	---
AG8296	18,00	25,00	6,00	NBR	LI	---	1340	38,10	57,15	9,50	PU	LI	---
5220	19,00	25,40	3,50	NBR	LI	00888	6197	40,00	50,00	3,00	NBR	LI	---
AG7204	19,00	27,00	4,50	NBR	LI	---	4908	40,00	50,00	5,00	PU	LI	---
9180	19,00	31,70	6,30	NBR	LI	---	TCS0450	40,00	52,00	6,00	NBR	LI	---
TCS0278	19,05	25,40	3,18	NBR	LI	---	5470	40,00	55,00	9,00	NBR	LI	---
AG7563	20,60	31,75	5,00	NBR	LI	---	5931	41,28	47,62	3,20	NBR	LI	---
6000	22,20	28,60	3,20	NBR	LI	02715	AG8045	41,28	53,98	7,94	PU	LI	---
5877	22,20	34,92	8,00	PU	LI	---	1537	41,30	50,80	5,00	NBR	LI	---
5608	25,00	32,00	4,00	NBR	LI	02265	TCS0868	43,00	52,00	6,50	NBR	LI	02981
AG7502	25,00	32,00	5,00	NBR	LI	---	TCS0477	43,66	65,05	12,70	NBR	LI	---
AG8291	25,00	35,00	4,80	PU	LI	---	1342	44,00	57,00	6,50	PU	LI	---
TCS0329	25,00	35,00	5,00	NBR	LI	02107	AG7589	44,45	50,80	3,20	NBR	LI	---
4362	25,00	37,00	6,00	PU	LI	---	1986	44,45	61,90	9,50	PU	LI	---
AG7803	25,33	31,75	3,18	NBR	LI	---	4336	44,45	63,50	9,50	PU	LI	---
5170	25,40	31,70	3,20	NBR	LI	---	1454	44,50	57,15	8,00	PU	LI	---
5939	25,40	38,10	8,00	PU	LI	---	1536	44,50	63,50	8,00	NBR	LI	---
AG8293	28,00	35,00	4,00	NBR	LI	---	5171	45,00	55,00	3,20	PU	LI	---
AG7668	28,00	40,00	5,00	NBR	LI	02106	3775	45,00	55,00	4,00	NBR	LI	---
5960	28,60	34,90	3,20	NBR	LI	01539	4891	45,00	55,00	5,00	PU	LI	---
TCS0094	28,60	34,90	3,20	NBR	LI	01539	4909	45,00	60,00	4,00	PU	LI	---
9778	28,60	35,00	2,50	NBR	LI	---	1969	45,00	60,00	8,00	PU	LI	---
6904	28,60	35,00	4,00	NBR	LI	---	6211	46,00	70,00	6,50	NBR	LI	---
5663	28,60	38,10	5,00	NBR	LI	---	TCS0609	47,00	63,00	6,00	PU	LI	---
5231	28,60	41,30	9,00	NBR	LI	---	AG7484	47,60	65,00	9,50	PU	LI	---
TCS0825	30,20	42,00	6,00	NBR	LI	---	6112	48,00	57,00	5,50	NBR	LI	---
6830	31,75	42,92	5,00	NBR	LI	---	6809	50,00	58,00	4,00	NBR	LI	01973
1514	31,75	44,45	8,00	PU	LI	---	6198	50,00	60,00	4,00	NBR	LI	---
5940	31,75	52,40	9,50	NBR	LI	---	4836	50,00	60,00	5,00	PU	LI	---
CX7866	32,00	42,00	6,00	NBR	LI	---	3273	50,00	63,00	4,00	PU	LI	---
TCS0822	32,00	42,00	6,00	NBR	LI	---	4916	50,00	64,00	7,90	PU	LI	---
9998	32,00	45,00	5,50	PU	LI	---	4931	50,00	65,00	4,00	PU	LI	---
9800	34,92	44,45	4,76	PU	LI	---	1923	50,00	65,00	8,00	PU	LI	---
6209	34,92	47,62	8,00	NBR	LI	---	AG7346	50,80	60,30	4,76	PU	LI	---
5845	35,00	42,00	3,50	NBR	LI	---	1505	50,80	60,30	6,40	NBR	LI	---
TCS0908	35,00	42,00	4,00	NBR	LI	02095	3477	50,80	60,30	7,00	PU	LI	---
4963	35,00	45,00	5,00	PU	LI	---	1344	50,80	63,50	6,50	PU	LI	---

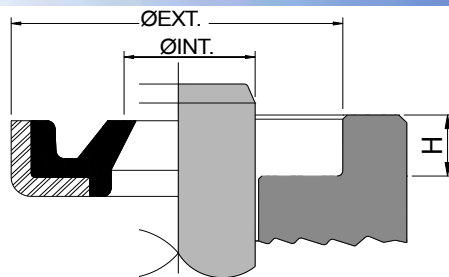
RASPADOR COM CARÇAÇA METÁLICA EXPOSTA



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
1453	50,80	63,50	8,00	PU	LI	---	AX0149	69,85	88,90	6,35	NBR	LI	---
1337	50,80	68,30	9,50	PU	LI	---	1842	69,85	95,25	9,53	PU	LI	---
1531	50,80	70,00	5,00	NBR	LI	---	4930	70,00	80,00	4,00	PU	LI	---
6071	52,00	65,00	8,00	PU	LI	---	3504	70,00	80,00	5,50	PU	LI	---
AG7576	53,98	73,02	9,50	PU	LI	---	1803	70,00	80,00	7,00	NBR	LI	---
6190	54,00	63,50	5,00	PU	LI	---	3480	70,00	80,00	7,00	PU	LI	---
1950	54,00	65,00	3,20	PU	LI	---	4896	70,00	83,50	6,00	PU	LI	---
4964	55,00	70,00	6,00	PU	LI	---	AG7052	70,00	85,00	5,00	PU	LI	---
4645	56,00	70,00	7,50	PU	LI	---	1717	70,00	85,00	7,00	PU	LI	---
1117	56,00	71,00	9,00	NBR	LI	---	1917	71,00	86,00	5,00	PU	LI	---
CX6984	56,00	72,00	6,50	PU	LI	---	4968	75,00	85,00	6,00	PU	LI	---
AG7857	57,15	66,68	4,78	NBR	LI	---	4910	75,00	90,00	5,00	PU	LI	---
1452	57,15	69,85	8,00	PU	LI	---	1450	76,20	88,90	8,00	PU	LI	---
AG7515	57,15	73,00	6,35	PU	LI	---	AX0091	80,00	90,00	4,50	PU	LI	---
1448	57,20	76,20	9,50	PU	LI	---	3542	80,00	90,00	7,00	PU	LI	---
AG7826	57,20	82,60	6,50	NBR	LI	02316	3191	80,00	94,00	8,00	NBR	LI	---
AG7009	57,35	72,85	6,35	PU	LI	---	1655	80,00	95,00	5,00	PU	LI	---
6535	60,00	67,00	4,00	NBR	LI	---	1926	80,00	100,00	10,00	PU	LI	---
4462	60,00	70,00	5,00	PU	LI	---	1388	82,55	95,25	8,00	PU	LI	---
3478	60,00	70,00	7,00	PU	LI	---	4666	82,55	98,43	7,94	PU	LI	---
AX0112	60,00	73,00	8,00	PU	LI	---	4639	82,55	114,33	6,35	NBR	LI	---
3820	60,00	74,00	8,00	PU	LI	---	AG8392	84,00	95,00	4,00	PU	LI	---
AG8470	60,00	75,00	4,00	PU	LI	---	4461	85,00	95,00	5,00	PU	LI	---
4949	60,00	75,00	5,00	PU	LI	---	3483	85,00	95,00	7,00	PU	LI	---
4955	60,00	75,00	6,00	PU	LI	---	4892	85,00	100,00	5,00	PU	LI	---
1947	60,00	75,00	7,50	PU	LI	---	4863	85,00	100,00	8,00	PU	LI	---
1341	60,30	79,40	9,50	PU	LI	---	3515	88,90	101,60	8,00	PU	LI	---
4915	63,00	75,00	7,90	PU	LI	---	4676	88,90	104,77	7,94	PU	LI	---
1451	63,50	76,20	8,00	PU	LI	---	3679	88,90	104,77	8,00	PU	LI	---
1827	63,50	77,80	9,50	PU	LI	---	1364	88,90	114,30	13,00	NBR	LI	---
1338	63,50	82,55	10,00	PU	LI	---	3544	90,00	100,00	7,00	PU	LI	---
1983	64,00	78,00	8,00	PU	LI	---	4929	90,00	104,00	8,00	PU	LI	---
3479	65,00	75,00	7,00	PU	LI	---	4451	90,00	105,00	4,00	PU	LI	---
4363	65,00	79,00	7,00	PU	LI	---	3505	90,00	105,00	6,00	PU	LI	---
4331	65,00	80,00	5,00	PU	LI	---	4988	90,00	105,00	8,00	PU	LI	---
4914	65,00	80,00	7,50	PU	LI	---	4911	90,00	106,00	8,00	PU	LI	---
AX0092	65,00	85,00	5,00	PU	LI	---	4995	90,00	110,00	8,00	PU	LI	---
4643	69,47	82,55	8,00	PU	LI	---	1925	90,00	110,00	10,00	PU	LI	---
AG7050	69,50	82,55	7,90	PU	LI	---	4974	95,00	110,00	8,00	PU	LI	---
1347	69,80	82,55	8,00	PU	LI	---	1686	95,25	111,12	7,94	PU	LI	---

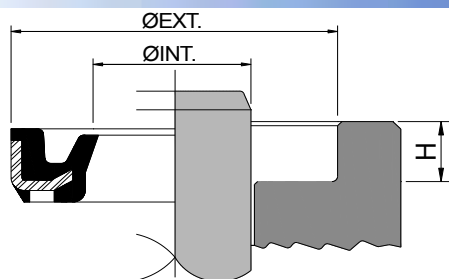
RASPADOR COM CARÇAÇA METÁLICA EXPOSTA



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
1511	100,00	110,00	7,00	PU	LI	---	4975	140,00	160,00	8,00	NBR	LI	---
AG7783	100,00	115,00	8,00	PU	LI	---	4976	150,00	180,00	8,00	NBR	LI	---
4965	100,00	116,00	8,00	PU	LI	---	3506	190,00	210,00	10,00	PU	LI	---
4811	100,00	120,00	10,00	PU	LI	---							
4611	101,60	117,47	7,94	PU	LI	---							
4986	103,00	116,00	4,00	PU	LI	---							
4942	109,85	130,00	8,00	PU	LI	---							
4928	110,00	120,00	7,00	PU	LI	---							
4927	110,00	125,00	8,00	PU	LI	---							
4906	119,85	140,00	8,00	PU	LI	---							
AG7784	120,00	130,17	7,00	PU	LI	---							
4948	120,00	150,00	12,00	PU	LI	---							
3685	125,00	138,00	4,00	PU	LI	---							
3284	125,00	140,00	7,00	NBR	LI	---							
3509	136,50	152,40	5,50	NBR	LI	---							

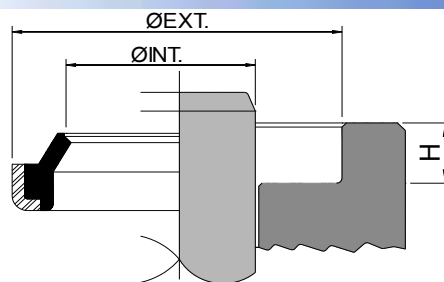
RASPADOR COM CARÇAÇA METÁLICA EXPOSTA



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
4887	44,45	57,15	6,35	PU	LI	---							
AX0123	59,50	80,00	7,00	PU	LI	---							
AX0118	63,50	88,90	6,35	PU	LI	---							
AX0120	64,50	85,00	7,00	PU	LI	---							
AX0122	69,50	90,00	7,00	PU	LI	---							
4810	70,00	85,00	8,00	PU	LI	---							
AX0119	76,20	88,90	7,94	PU	LI	---							
4809	80,00	95,00	8,00	PU	LI	---							
AX0121	89,50	110,00	7,00	PU	LI	---							
4973	90,00	106,00	8,00	PU	LI	---							
4944	100,00	116,00	8,00	PU	LI	---							
4890	110,00	130,00	8,00	PU	LI	---							

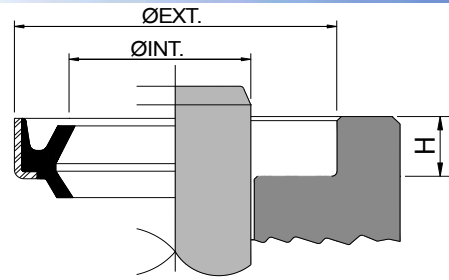
RASPADOR COM CARÇAÇA METÁLICA EXPOSTA



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
AG7676	10,00	16,00	3,0/5,0	NBR	LI	---	3115	84,00	99,00	8,0/11,0	PU	LI	---
AG7579	10,00	16,00	5,0/6,7	NBR	LI	---	1525	84,10	95,25	7,0/9,5	PU	LI	---
5633	15,00	25,00	5,0/8,0	PU	LI	---	3417	85,00	99,00	8,0/13,0	PU	LI	---
9718	16,00	22,00	3,0/4,0	NBR	LI	---	3543	90,00	100,00	7,5/11,0	PU	LI	---
AG7580	16,00	26,00	5,0/8,0	NBR	LI	---	3401	90,00	100,00	7,0/10,0	NBR	LI	---
9558	16,00	26,00	5,0/8,0	FPM	LI	---	3362	90,00	104,00	8,0/13,0	PU	LI	---
9719	18,00	28,00	7,0/11,5	NBR	LI	---	4785	100,00	116,00	8,0/10,0	PU	LI	---
AG7578	22,00	28,00	5,0/8,0	NBR	LI	---	4339	110,00	120,00	7,0/10,0	PU	LI	---
9278	22,20	31,80	4,8/7,0	NBR	LI	---	AG8093	110,00	126,00	9,0/12,0	PU	LI	---
AG7671	25,00	35,00	5,0/7,0	NBR	LI	02261	3241	125,00	140,00	9,0/12,0	NBR	LI	---
AG7467	25,00	35,00	7,0/10,0	PU	LI	---	3145	140,00	155,00	9,0/12,0	NBR	LI	---
9097	30,00	40,00	5,0/8,0	PU	LI	---	3242	150,00	165,00	9,0/12,0	NBR	LI	---
TCS0995	30,00	40,00	7,0/10,0	NBR	LI	---							
9094	30,00	42,00	5,0/8,0	PU	LI	---							
6164	32,00	42,00	7,0/10,0	NBR	LI	---							
5218	32,00	45,00	4,0/8,0	NBR	LI	---							
9826	35,00	45,00	7,0/9,5	NBR	LI	---							
TCS1011	36,00	46,00	7,0/10,0	NBR	LI	---							
AG8243	38,00	48,00	7,0/10,0	PU	LI	---							
4493	38,00	53,00	5,0/8,0	NBR	LI	---							
1523	40,00	50,00	6,5/10,0	NBR	LI	---							
3395	40,00	52,00	7,0/10,0	PU	LI	---							
AG7471	45,00	57,00	7,0/10,0	PU	LI	---							
1545	47,00	57,15	7,0/9,5	PU	LI	---							
3396	50,00	62,00	7,0/10,0	PU	LI	---							
1520	50,00	65,00	7,0/10,0	PU	LI	---							
4913	55,00	65,00	5,0/7,0	PU	LI	---							
1540	55,00	66,00	7,5/10,0	PU	LI	---							
6196	55,60	65,10	7,5/10,0	PU	LI	---							
1656	56,00	70,00	8,0/10,5	NBR	LI	---							
3886	57,00	70,00	5,0/8,0	NBR	LI	---							
4946	57,15	73,00	6,3/8,5	PU	LI	---							
1509	60,00	70,00	7,5/9,5	NBR	LI	---							
3397	63,00	77,00	8,0/11,0	PU	LI	---							
6123	65,00	75,00	7,0/10,0	PU	LI	---							
3540	70,00	80,00	7,0/11,0	PU	LI	---							
AG8018	75,00	83,00	7,0/9,7	NBR	LI	---							
4784	75,00	90,00	5,0/7,0	PU	LI	---							
3541	80,00	90,00	7,0/11,0	PU	LI	---							
3341	80,00	94,00	8,0/13,0	PU	LI	---							

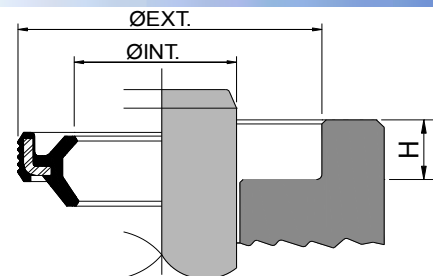
RASPADOR COM CARÇAÇA METÁLICA EXPOSTA



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
TCS0133	17,80	32,15	5,5/8,5	NBR	LI	02216	4408	85,00	99,00	8,0/11,0	PU	LI	---
6194	35,00	45,00	6,5/9,0	NBR	LI	---	3491	95,00	109,00	8,0/11,0	PU	LI	---
6195	35,00	47,00	6,5/9,0	NBR	LI	---	AX0075	100,00	110,00	7,0/10,0	PU	LI	---
AG8431	40,00	54,00	8,0/13,0	PU	LI	---	3368	100,00	114,00	8,0/11,0	PU	LI	---
1529	45,00	55,00	7,0/10,0	PU	LI	---	4839	112,00	124,00	7,0/10,0	PU	LI	---
9215	45,00	59,00	8,0/13,0	PU	LI	---							
3014	46,00	57,00	7,0/10,0	NBR	LI	---							
1508	50,00	60,00	7,0/9,5	PU	LI	---							
6144	50,00	62,00	7,0/10,0	PU	LI	---							
AG8381	50,00	64,00	8,0/13,0	PU	LI	---							
AG7767	55,00	67,00	6,5/10,0	PU	LI	---							
3013	55,00	69,00	8,0/10,0	PU	LI	---							
AG7366	56,00	68,00	7,0/10,0	PU	LI	---							
AG7380	63,00	75,00	7,0/10,0	PU	LI	---							
AG7814	65,00	79,00	8,0/11,0	PU	LI	---							
3015	66,00	79,00	8,0/9,5	PU	LI	---							
3051	70,00	84,00	8,0/10,0	PU	LI	---							
3046	75,00	89,00	8,0/11,0	PU	LI	---							
3052	80,00	94,00	8,0/11,0	PU	LI	---							

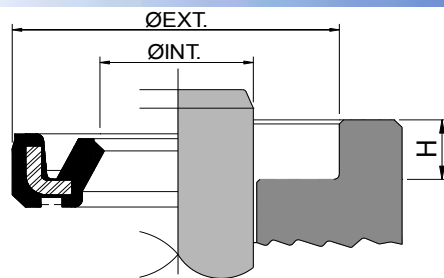
RASPADOR COM REVESTIMENTO EM ELASTÔMERO E LÁBIO DE VEDAÇÃO.



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
9645	12,00	20,00	4,0/6,0	NBR	LI	---							
9814	14,00	22,00	5,0/7,0	NBR	LI	---							

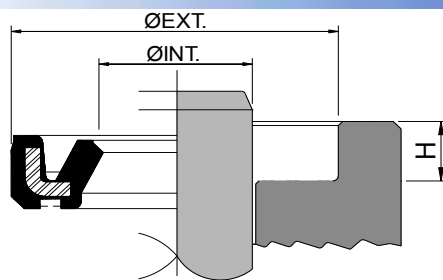
RASPADOR COM REVESTIMENTO EM ELASTÔMERO



MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
TCS0162	5,00	9,00	2,00	NBR	LI	---	9581	18,00	24,00	3,00	NBR	LI	---
TCS0164	6,00	10,00	2,00	NBR	LI	---	TCS0261	18,00	24,00	3,00	NBR	LI	---
TCS0165	6,00	11,00	4,00	ACM	LI	---	TCS0989	19,05	35,00	6,00	NBR	LI	---
TCS0169	6,53	11,00	2,00	NBR	LI	---	TCS0687	20,00	26,00	3,00	NBR	LI	---
TCS0170	6,53	11,00	2,00	FPM	LI	---	TCS0283	20,00	26,00	4,00	NBR	LI	02573
TCS0173	7,50	12,10	12,00	NBR	LI	---	6308	20,00	28,00	4,00	FPM	LI	02641
TCS0178	9,00	13,00	3,00	NBR	LI	---	6589	20,00	28,00	4,00	NBR	LI	02641
TCS0179	9,00	16,00	3,00	NBR	LI	---	9220	20,00	28,00	4,00	MVQ	LI	---
TCS0182	9,53	14,00	3,00	NBR	LI	---	9438	20,00	28,00	4,00	HNBR	LI	---
TCS0181	9,53	15,88	4,57	NBR	LI	---	5968	20,00	47,00	7,00	HNBR	LI	---
TCS0183	10,00	14,00	2,50	NBR	LI	---	AG7701	20,00	47,00	7,00	MVQ	LI	---
TCS0184	10,00	17,00	3,00	NBR	LI	---	AG7987	20,00	47,00	7,00	NBR	LI	---
TCS0185	10,00	18,00	5,00	NBR	LI	---	TCS0307	22,00	29,00	4,00	NBR	LI	---
TCS0187	10,00	20,00	6,10	NBR	LI	---	TCS0315	22,00	42,00	5,00	NBR	LI	---
TCS0190	10,00	26,00	3,00	NBR	LI	---	CX5928	23,00	29,80	4,00	NBR	LI	---
6155	10,00	26,50	3,70	FPM	LI	---	3279	25,00	31,00	7,00	NBR	LI	---
6582	12,00	18,00	3,00	NBR	LI	02638	6309	25,00	32,00	4,00	FPM	LI	02588
6583	12,00	18,00	3,00	FPM	LI	---	AG7687	25,00	32,00	4,00	MVQ	LI	---
9555	12,00	18,00	3,00	HNBR	LI	---	6592	25,00	32,00	4,00	NBR	LI	02588
TCS0192	12,00	19,00	3,00	NBR	LI	---	9382	25,00	32,00	7,00	NBR	LI	---
TCS0195	12,00	24,00	4,00	NBR	LI	---	TCS0334	25,00	38,00	5,00	NBR	LI	---
TCS0205	12,00	32,00	3,00	NBR	LI	---	5669	25,00	40,00	5,00	NBR	LI	01295
TCS0209	12,70	20,40	4,50	NBR	LI	---	AG7702	25,00	52,00	7,00	MVQ	LI	---
TCS0214	13,50	30,00	3,00	NBR	LI	---	AG7988	25,00	52,00	7,00	NBR	LI	---
AG7286	15,00	21,00	3,00	NBR	LI	02589	9144	25,00	52,00	7,00	FPM	LI	---
6313	15,00	23,00	3,00	FPM	LI	02639	6234	27,00	33,30	3,20	NBR	LI	---
6484	15,00	23,00	3,00	NBR	LI	02639	6235	27,00	37,30	3,20	NBR	LI	---
AG7967	15,00	23,00	3,00	NBR	LI	---	CX6043	28,00	38,00	7,00	NBR	LI	01886
AG8469	15,00	23,00	3,00	MVQ	LI	---	6864	28,60	35,00	4,00	NBR	LI	---
AG7698	15,00	35,00	7,00	MVQ	LI	---	3883	30,00	37,00	4,00	NBR	LI	02643
AG7985	15,00	35,00	7,00	NBR	LI	---	6310	30,00	37,00	4,00	FPM	LI	---
AG8255	15,00	35,00	7,00	NBR	LI	---	AG8256	30,00	37,00	4,00	HNBR	LI	---
TCS0241	15,88	20,65	2,36	NBR	LI	---	9093	30,00	62,00	7,00	HNBR	LI	---
9711	16,35	26,50	4,00	FPM	LI	---	9526	30,00	62,00	7,00	MVQ	LI	---
6312	17,00	25,00	3,00	FPM	LI	02640	AG7989	30,00	62,00	7,00	NBR	LI	---
6586	17,00	25,00	3,00	NBR	LI	02640	9388	30,20	42,00	6,00	NBR	LI	---
AG8449	17,00	25,00	3,00	HNBR	LI	---	TCS0407	31,50	41,00	4,00	NBR	LI	---
AG7706	17,00	35,00	5,00	NBR	LI	---	CX9808	32,00	42,00	5,00	NBR	LI	---
AG7699	17,00	40,00	7,00	MVQ	LI	---	CX6104	32,00	45,00	7,00	NBR	LI	02987
AG7986	17,00	40,00	7,00	NBR	LI	---	CX9406	32,00	46,00	6,00	NBR	LI	---

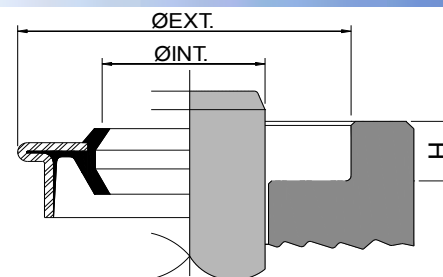
RASPADOR COM REVESTIMENTO EM ELASTÔMERO



MEDIDAS DE APLICAÇÕES

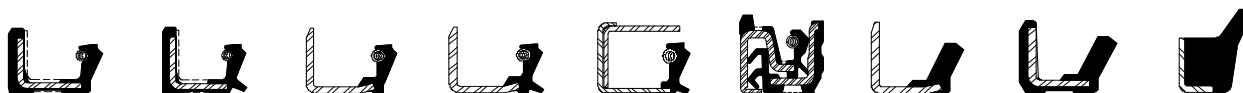
CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H	MAT	ORI	REF
CX9391	32,50	44,85	3,70	NBR	LI	---	AG7726	45,00	55,00	4,00	MVQ	LI	---
9073	33,30	39,70	3,50	NBR	LI	---	6315	45,00	55,00	4,00	FPM	LI	,
9365	33,30	46,00	4,00	HNBR	LI	---	CX6056	45,00	62,00	8,00	NBR	LI	01760
9072	33,30	46,00	5,00	FPM/PTFE	LI	---	AG8060	50,00	62,00	7,00	FPM	LI	---
6311	35,00	42,00	4,00	FPM	LI	02632	CX6091	50,00	68,00	8,50	NBR	LI	01847
6373	35,00	42,00	4,00	NBR	LI	02632	6316	55,00	65,00	5,00	FPM	LI	02635
9408	35,00	42,00	4,00	MVQ	LI	---	6380	55,00	65,00	5,00	NBR	LI	02635
5011	35,00	45,00	4,00	NBR	LI	---	CX8552	55,00	73,00	8,50	NBR	LI	---
6601	35,00	45,00	7,00	FPM	LI	---	3858	60,00	72,00	6,00	NBR	LI	02636
AG7150	35,00	52,00	6,00	FPM	LI	---	6317	60,00	72,00	6,00	FPM	LI	02636
AG7703	35,00	72,00	7,00	MVQ	LI	---	AG8218	60,00	72,00	6,00	HNBR	LI	---
AG7990	35,00	72,00	7,00	NBR	LI	---	3857	70,00	85,00	7,00	NBR	LI	02637
AG8183	35,00	72,00	7,00	HNBR	LI	---	6318	70,00	85,00	7,00	FPM	LI	02637
3933	40,00	50,00	4,00	NBR	LI	02633	AG7410	70,00	85,00	7,00	MVQ	LI	---
6314	40,00	50,00	4,00	FPM	LI	02633	4620	70,00	100,00	7,00	FPM	LI	---
6651	40,00	50,00	4,00	MVQ	LI	---	6319	80,00	100,00	10,00	FPM	LI	---
AG8461	40,00	50,00	4,00	HNBR	LI	---	AG7718	80,00	100,00	10,00	MVQ	LI	---
CX6031	40,00	56,00	8,50	NBR	LI	01759	4163	80,00	105,00	13,00	FPM	LI	---
AG7704	40,00	90,00	7,00	MVQ	LI	---	4403	85,00	110,00	12,00	FPM	LI	---
5932	41,28	53,98	4,00	NBR	LI	---	4218	95,00	115,00	13,00	FPM	LI	---
AG7590	44,45	63,50	4,00	FPM	LI	---	4486	110,00	140,00	13,00	FPM/INOX	LI	---
4453	45,00	52,00	4,00	NBR	LI	---							
6379	45,00	55,00	4,00	NBR	LI	02634							

RASPADOR COM CARÇA METÁLICA EXPOSTA E LÁBIO DE VEDAÇÃO.



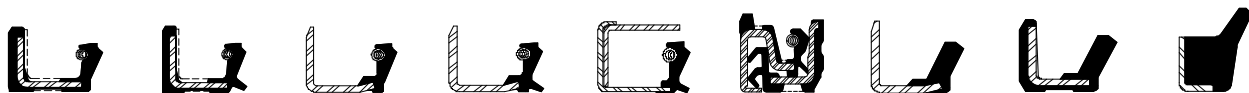
MEDIDAS DE APLICAÇÕES

CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF	CÓDIGO	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	REF
AG8281	25,00	36,50	6,0/8,0	NBR	LI	---	4648	40,00	53,00	8,0/10,0	NBR	LI	---
AG7555	28,00	40,00	8,3/9,6	NBR	LI	---							
9104	30,00	44,00	8,0/10,0	NBR	LI	---							
4649	35,00	52,00	8,0/10,0	NBR	LI	---							
4651	38,00	53,00	8,0/10,0	NBR	LI	---							



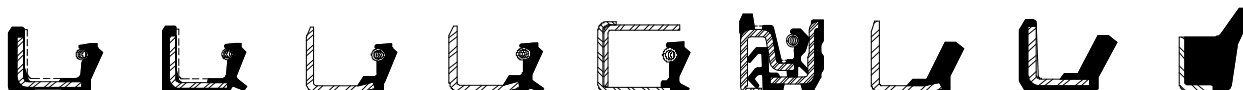
REFERÊNCIA DE MERCADO

REF	CÓDIGO	MOD.	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	MOD.	Ø INT.	Ø EXT.	H	MAT	ORI
00002	TCS0037	B	81,00	117,50	14,30	NBR	LI	00284	4749	BR	35,00	55,50	6,40	NBR	LI
00005	1405	B	52,40	80,95	11,50	NBR	LI	00285	9422	BA	27,00	38,10	6,40	NBR	LI
00006	TCS0716	BAS	54,00	77,80	12,70	MVO	LI	00285	TCS0926	BA	27,00	38,10	6,40	NBR	LI
00007	TCS0038	B	98,50	144,45	19,00	NBR	LI	00286	9965	BR	15,90	25,40	4,50	NBR	LI
00012	1547	BA	44,80	61,40	12,00	NBR	LI	00288	5910	BR	42,00	56,00	7,00	NBR	LI
00013	TCS0398	BRG	57,10	76,20	12,70	NBR	LI	00289	9938	BAG	12,00	22,00	7,00	NBR	LI
00014	AG7564	BG	57,20	92,00	18,00	NBR	LI	00291	TCS0622	B	49,20	76,05	12,70	NBR	LI
00019	3335	BRG	38,10	63,50	12,70	NBR	LI	00310	4591	BG	127,00	165,10	16,00	NBR	LI
00021	TCS0039	BG	60,33	88,42	11,13	NBR	LI	00329	5233	BR	19,00	28,60	6,30	NBR	LI
00025	TCS0041	B	85,70	119,00	12,70	NBR	LI	00334	TCS0044	BAG	60,30	92,00	12,00	NBR	LI
00028	TCS0042	B	31,70	50,70	11,00	NBR	LI	00343	CX9183	BR	31,70	44,50	8,00	NBR	LI
00033	TCS0901	BG	35,00	63,50	12,70	NBR	LI	00357	TCS0597	BA	76,20	101,60	12,70	NBR	LI
00036	4749	BR	60,00	80,00	8,00	NBR	LI	00357	TCS0045	BA	76,20	101,65	12,00	NBR	LI
00037	9422	B	53,90	73,00	12,70	NBR	LI	00358	TCS0779	BRG	30,00	50,00	10,00	NBR	LI
00046	TCS0926	BR	75,00	95,10	13,00	NBR	LI	00359	TCS0936	BR	45,00	65,00	10,00	NBR	LI
00049	9965	BAG	38,10	60,33	12,70	NBR	LI	00378	TCS0046	B	63,50	89,90	12,00	NBR	LI
00054	5910	BR	28,60	39,70	9,50	NBR	LI	00379	1470	BR	66,70	95,25	12,70	NBR	LI
00081	9938	B	69,90	98,45	12,70	NBR	LI	00420	TCS0047	BR	125,00	150,35	13,00	NBR	LI
00085	TCS0622	BG	87,30	120,80	14,30	NBR	LI	00421	4748	BAGG	73,00	101,60	11,50	NBR	BI
00116	4591	BG	73,00	101,60	12,70	NBR	LI	00459	AG7591	BRGF	55,00	80,00	10,00	FPM	LI
00118	5233	BAG	22,00	35,00	10,00	NBR	LI	00460	TCS0517	BR	62,00	85,00	10,00	NBR	LI
00120	TCS0044	BAG	63,50	88,90	12,70	NBR	LI	00463	TCS0048	BR	25,00	52,00	10,00	NBR	LI
00123	CX9183	BG	101,60	126,90	12,70	NBR	LI	00479	1458	BR	38,00	52,00	10,00	NBR	LI
00128	TCS0597	BR	44,50	66,65	12,70	NBR	LI	00485	TCS0049	BA	35,00	47,00	7,00	NBR	LI
00131	TCS0045	BR	30,00	47,00	10,00	NBR	LI	00490	TCS0790	BRG	70,00	90,00	13,00	NBR	LI
00141	TCS0779	BAG	25,40	38,10	9,92	NBR	LI	00496	CX6032	BRG	18,00	30,00	7,00	NBR	LI
00161	TCS0936	BRG	48,00	72,00	10,00	NBR	LI	00497	3534	BRG	90,00	120,00	13,00	NBR	LI
00164	TCS0046	BAG	65,00	90,00	13,00	NBR	LI	00497	5610	BRGF	90,00	120,00	13,00	FPM	LI
00164	1470	BR	65,00	90,00	13,00	NBR	LI	00498	1936	BAG	55,00	80,00	13,00	NBR	LI
00185	TCS0047	BAF	49,20	68,15	12,70	FPM	LI	00500	TCS0050	BAG	68,00	90,00	13,00	NBR	LI
00218	4748	B	36,50	57,05	12,70	NBR	LI	00501	6332	BRF	60,00	75,00	8,00	FPM	LI
00222	AG7591	BAG	44,70	61,20	9,50	NBR	LI	00501	6491	BR	60,00	75,00	8,00	NBR	LI
00228	TCS0517	BAG	68,00	90,00	10,00	NBR	LI	00502	4500	BR	140,00	170,00	13,00	NBR	LI
00248	TCS0048	BR	142,90	171,05	14,30	NBR	LI	00505	6590	BR	20,00	30,00	7,00	NBR	LI
00262	1458	BAG	28,00	47,00	10,00	NBR	LI	00506	TCS0051	BR	25,00	43,00	10,00	NBR	LI
00266	TCS0049	BR	25,00	47,00	10,00	NBR	LI	00508	AG7748	BAG	17,00	28,00	7,00	NBR	LI
00268	TCS0790	BR	190,00	220,00	14,80	NBR	LI	00509	TCS0053	BR	45,00	72,00	12,00	NBR	LI
00269	CX6032	BR	75,00	100,00	12,00	NBR	LI	00510	AG7674	AGX	16,00	35,00	12,00	NBR	LI
00274	3534	BG	50,80	81,00	11,90	NBR	LI	00516	4413	BG	110,00	140,00	13,00	NBR	BI
00276	5610	B	44,50	73,00	12,00	NBR	LI	00517	1081	BRG	60,00	90,00	10,00	NBR	LI



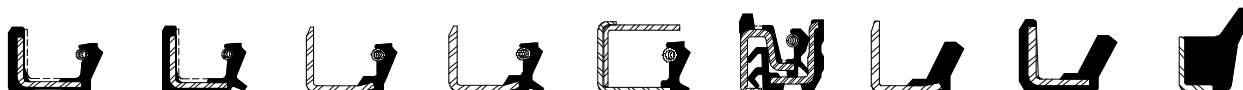
REFERÊNCIA DE MERCADO

REF	CÓDIGO	MOD.	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	MOD.	Ø INT.	Ø EXT.	H	MAT	ORI
00517	1748	BRGF	60,00	90,00	10,00	FPM	LI	00796	TCS0246	BRG	16,00	32,00	7,00	NBR	LI
00520	TCS0054	BR	35,00	47,05	10,00	NBR	LI	00797	TCS0061	BR	36,00	54,00	7,00	NBR	LI
00533	TCS0899	BA	42,80	68,15	10,70	NBR	LI	00798	TCS0929	BA	19,00	31,90	7,00	NBR	LI
00563	5667	BR	54,00	72,00	8,00	NBR	LI	00801	6538	BRG	32,00	52,10	10,00	NBR	LI
00569	5678	BRG	19,00	31,70	6,40	NBR	LI	00803	4210	BRGS	110,00	130,00	13,00	MVQ	AH
00572	CX9190	BRG	22,30	34,95	6,40	NBR	LI	00804	4605	BRG	55,00	75,00	10,00	NBR	LI
00573	4592	BG	74,00	114,00	11,00	NBR	LI	00813	1502	BA	30,00	42,95	9,50	NBR	LI
00609	TCS0861	BRG	75,00	100,00	10,00	NBR	LI	00815	TCS0317	BRG	22,00	42,00	10,00	NBR	LI
00610	6334	BRF	80,00	100,00	10,00	FPM	LI	00818	TCS0895	BR	60,00	80,00	13,00	NBR	LI
00610	6657	BR	80,00	100,00	10,00	NBR	LI	00821	TCS0838	BR	19,05	31,75	6,35	NBR	LI
00615	AG8032	BRG	36,00	56,00	10,00	NBR	LI	00834	TCS0808	BRG	50,00	72,00	10,00	NBR	LI
00616	TCS0903	BR	102,00	130,00	13,00	NBR	LI	00837	TCS0909	B	40,00	70,00	12,00	NBR	LI
00618	4792	BAG	85,00	110,00	14,00	NBR	LI	00838	TCS0907	BG	53,00	75,00	12,00	NBR	LI
00618	TCS0802	BAG	85,00	110,00	14,00	NBR	LI	00839	TCS0413	BRG	32,00	50,00	8,00	NBR	LI
00660	4496	B	50,80	80,00	12,70	NBR	LI	00847	TCS0063	BAG	30,00	42,00	7,00	NBR	LI
00674	TCS0055	B	47,70	72,95	12,00	NBR	LI	00853	TCS0064	BR	17,00	35,00	7,00	NBR	LI
00694	TCS0056	B	35,00	53,90	9,50	NBR	LI	00853	TCS0258	BRG	17,00	35,00	7,00	NBR	LI
00701	6519	B	30,00	50,75	11,00	NBR	LI	00866	4638	BRG	70,00	100,00	10,00	NBR	LI
00712	6324	BRF	20,00	32,00	6,00	FPM	LI	00880	6329	BRF	40,00	56,00	8,00	FPM	LI
00712	6432	BR	20,00	32,00	6,00	NBR	LI	00880	6941	BR	40,00	56,00	8,00	NBR	LI
00712	6492	BR	20,00	32,00	6,00	FPM	LI	00888	5220	GA	19,00	25,40	3,50	NBR	LI
00712	6591	BR	20,00	32,00	6,00	NBR	LI	00891	3712	BRG	69,80	92,00	14,20	NBR	LI
00715	4520	BA	20,00	35,00	6,00	NBR	LI	00900	4685	BRG	80,00	110,00	12,00	NBR	LI
00726	6585	BR	16,30	24,00	7,00	NBR	LI	00906	5716	BR	70,00	85,00	8,00	NBR	LI
00734	6967	BR	44,50	57,15	9,40	NBR	LI	00906	5747	BR	70,00	85,00	8,00	MVQ	LI
00749	1901	BA	44,50	54,00	4,80	NBR	LI	00906	6333	BRF	70,00	85,00	8,00	FPM	LI
00761	4609	BRG	22,00	40,00	7,00	NBR	LI	00907	1463	BR	63,50	76,10	9,50	NBR	LI
00763	4608	BRG	24,00	47,00	7,00	NBR	LI	00909	AG7581	BR	20,00	47,10	10,00	NBR	LI
00766	TCS0798	BAG	15,00	30,00	8,00	NBR	LI	00911	4575	BRG	30,00	50,00	11,00	NBR	LI
00767	TCS0930	BA	20,00	32,00	5,00	NBR	LI	00912	1517	BRG	35,00	52,00	12,00	NBR	LI
00769	TCS0931	BA	22,00	31,90	5,00	NBR	LI	00913	4657	BR	40,00	80,10	10,00	NBR	LI
00784	6521	BR	19,00	35,00	7,00	NBR	LI	00916	6342	BAG	15,00	28,00	7,00	NBR	LI
00788	TCS0059	BAG	25,00	35,00	10,00	NBR	LI	00919	TCS0865	BRG	56,00	85,00	13,00	NBR	LI
00789	5840	BRG	35,00	50,00	9,00	NBR	H	00925	TCS0068	BA	25,00	42,00	8,00	NBR	LI
00790	6320	BRF	15,00	24,00	7,00	FPM	LI	00932	TCS0069	BR	28,60	39,75	7,00	NBR	LI
00790	6490	BR	15,00	24,00	7,00	NBR	LI	00946	4789	BR	50,00	70,00	10,00	NBR	LI
00793	TCS0896	BA	55,00	90,00	10,00	NBR	LI	00946	TCS0070	BR	50,00	70,00	10,00	NBR	LI
00795	AG7387	BR	16,00	30,00	10,00	NBR	LI	00949	TCS0071	BR	30,00	52,00	10,00	NBR	LI
00795	TCS0871	BRG	16,00	30,00	10,00	NBR	LI	00952	TCS0072	BR	30,00	52,00	8,00	NBR	LI
00796	TCS0060	BR	16,00	32,00	7,00	NBR	LI	00952	TCS0399	BR	30,00	52,00	8,00	NBR	LI



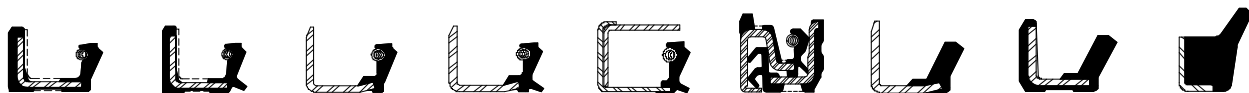
REFERÊNCIA DE MERCADO

REF	CÓDIGO	MOD.	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	MOD.	Ø INT.	Ø EXT.	H	MAT	ORI
00962	4510	BRG	35,00	50,00	8,00	NBR	H	01182	TCS0919	BRG	30,00	72,00	9,50	NBR	LI
00964	4607	BG	55,00	90,00	12,50	NBR	LI	01193	TCS0841	BR	130,00	160,00	12,00	NBR	LI
00977	TCS0073	BR	60,00	82,00	12,00	NBR	LI	01214	CX9409	BR	24,00	37,00	7,00	NBR	LI
00980	TCS0928	BA	16,00	28,00	7,00	NBR	LI	01241	1933	BAG	49,00	65,00	10,00	NBR	LI
00998	TCS0727	BRG	8,50	16,00	6,50	NBR	LI	01245	AG7647	BRG	20,00	40,00	6,00	NBR	LI
01004	TCS0074	BAG	35,50	58,20	12,00	NBR	LI	01251	1481	BG	92,10	123,85	21,00	NBR	LI
01017	4674	BR	49,00	75,00	11,00	NBR	LI	01253	TCS0904	BG	89,00	114,25	12,70	NBR	LI
01022	1426	BRG	28,60	38,00	7,00	NBR	LI	01254	6269	BAG	20,70	34,85	11,90	NBR	LI
01038	TCS0075	B	45,00	85,00	13,00	NBR	LI	01262	1934	BAG	49,00	68,00	12,00	NBR	LI
01043	4646	BG	95,00	130,00	12,00	NBR	LI	01265	1930	BAG	40,00	56,00	9,00	NBR	LI
01043	TCS0076	B	95,00	130,00	13,00	NBR	LI	01266	TCS0083	BAG	40,00	65,00	12,00	NBR	LI
01044	TCS0593	BAG	74,00	90,00	10,00	NBR	LI	01273	4514	BAG	30,00	62,00	10,00	NBR	LI
01045	CX6068	BRG	26,00	37,00	7,00	NBR	LI	01295	5669	GR	25,00	40,00	5,00	NBR	LI
01049	TCS0077	BRG1	46,00	76,20	9,50	NBR	LI	01299	TCS0791	BRG	28,60	38,10	5,95	NBR	LI
01050	4137	BR	60,40	79,35	9,30	NBR	LI	01299	AG7684	BRG	28,60	38,10	6,00	NBR	LI
01058	5743	BR	15,00	35,00	7,00	NBR	LI	01310	AG7128	BAG	32,00	42,00	7,00	NBR	LI
01058	AG7491	BRF	15,00	35,00	7,00	FPM	LI	01322	3277	BRG	40,00	62,00	10,00	NBR	LI
01072	9811	BR	17,00	28,00	6,00	NBR	LI	01340	6516	BR	50,00	68,00	10,00	NBR	LI
01072	TCS0251	BRG	17,00	28,00	6,00	NBR	LI	01344	4572	BR	45,00	64,95	12,00	NBR	LI
01072	5728	BRG	17,00	28,00	6,50	NBR	LI	01348	TCS0813	BRG	15,00	30,00	10,00	NBR	LI
01081	TCS0920	BR	42,00	72,00	12,00	NBR	LI	01356	6264	BAG	25,40	38,10	6,30	NBR	LI
01089	AG7675	AGX1	22,00	45,00	12,00	NBR	LI	01366	TCS0713	B	35,00	72,00	10,00	NBR	LI
01090	4636	BRXE2	143,00	150,00	27,00	NBR	LI	01370	TCS0085	BA	32,00	44,00	9,00	NBR	LI
01100	TCS0078	BAG	41,10	65,40	13,00	NBR	LI	01375	TCS0621	BRG	100,00	120,00	12,00	NBR	LI
01102	AG7677	AGB	5,00	30,00	14,00	NBR	LI	01386	TCS0294	BRG	20,00	35,00	8,00	NBR	LI
01109	3508	BRG	40,00	62,00	11,50	NBR	LI	01389	TCS0796	BAG	14,00	24,00	7,00	NBR	LI
01109	6518	BR	40,00	62,00	11,50	NBR	LI	01392	1886	BAGF	60,00	80,00	12,00	FPM	LI
01109	AG7747	BRF	40,00	62,00	11,50	FPM	LI	01392	4327	BAG	60,00	80,00	12,00	NBR	LI
01112	TCS0311	BRG	22,00	38,00	8,00	NBR	LI	01395	TCS0086	B	34,90	52,30	9,50	NBR	LI
01116	4888	BRG	40,00	60,00	10,00	NBR	LI	01397	TCS0087	BA	25,00	45,00	7,00	NBR	LI
01119	TCS0079	BAG	44,20	71,45	14,80	NBR	LI	01415	TCS0815	BRG	17,00	35,00	10,00	NBR	LI
01135	3255	BRG	70,00	90,00	10,00	NBR	LI	01416	3296	BAG	90,00	110,00	13,00	NBR	LI
01149	TCS0839	BR	31,75	44,45	6,35	NBR	LI	01420	6431	BR	12,00	28,10	7,00	NBR	LI
01151	TCS0080	BRG	26,00	42,00	10,00	NBR	LI	01420	6584	BRF	12,00	28,10	7,00	FPM	LI
01157	1307	BRGF	34,00	62,10	10,00	FPM	LI	01422	6606	BR	50,00	65,00	8,00	NBR	LI
01157	4588	BRG	34,00	62,10	10,00	NBR	LI	01422	AG7736	BRF	50,00	65,00	8,00	FPM	LI
01160	4335	BR	65,00	80,00	8,00	NBR	LI	01424	TCS0088	BR	150,00	180,00	15,00	NBR	LI
01180	TCS0081	BR	55,00	85,00	13,00	NBR	LI	01425	4594	BAG	62,00	100,05	17,00	NBR	LI
01181	6331	BRF	55,00	70,00	8,00	FPM	LI	01445	TCS0089	BA	12,00	32,00	7,00	NBR	LI
01181	6942	BR	55,00	70,00	8,00	NBR	LI	01492	TCS0090	BR	17,00	40,00	8,50	NBR	LI



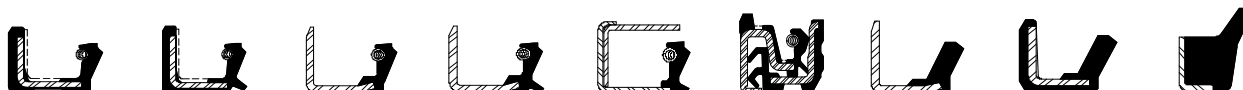
REFERÊNCIA DE MERCADO

REF	CÓDIGO	MOD.	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	MOD.	Ø INT.	Ø EXT.	H	MAT	ORI
01495	6436	BR	28,00	40,00	7,00	NBR	LI	01735	TCS0098	BG	125,00	150,00	15,00	NBR	LI
01495	AG7195	BRF	28,00	40,00	7,00	FPM	LI	01737	TCS0848	BR	11,00	17,00	4,00	NBR	LI
01495	TCS0369	BRG	28,00	40,00	7,00	NBR	LI	01737	TCS0849	BR	11,00	17,00	4,00	NBR	LI
01502	AG7565	BAG	35,00	44,50	7,00	NBR	LI	01738	TCS0915	BG	45,00	60,00	10,00	NBR	LI
01505	TCS0091	BR	42,00	65,00	10,00	NBR	LI	01745	4573	BR	40,00	55,15	10,00	NBR	LI
01509	TCS0092	BR	34,00	52,00	7,50	NBR	LI	01746	TCS0897	BG	20,00	42,00	10,00	NBR	LI
01515	4519	BR	25,00	36,00	7,00	NBR	LI	01759	CX6031	GR	40,00	56,00	8,50	NBR	LI
01526	5611	BRG	35,00	46,45	6,40	NBR	LI	01760	CX6056	GR	45,00	62,00	8,00	NBR	LI
01535	1499	BR	30,00	40,00	7,00	NBR	LI	01764	TCS0100	BAGG	46,00	65,50	7,00	NBR	LI
01535	6326	BRF	30,00	40,00	7,00	FPM	LI	01767	3513	BR	85,00	110,00	12,00	NBR	LI
001535	6522	BRG	30,00	40,00	7,00	NBR	LI	01779	TCS0916	BG	22,00	47,00	9,00	NBR	LI
01539	5960	GA	28,60	34,90	3,20	NBR	LI	01784	TCS0101	BRO	17,00	28,00	8,00	NBR	LI
01539	TCS0094	GA	28,60	34,90	3,20	NBR	LI	01790	1544	B	63,50	82,55	12,70	NBR	LI
01543	3110	BA	25,00	35,00	7,00	NBR	LI	01798	TCS0102	BAG	58,00	85,00	13,00	NBR	LI
01543	6219	BR	25,00	35,00	7,00	NBR	LI	01801	TCS0103	B	100,00	123,80	13,00	NBR	LI
01543	6594	BRF	25,00	35,00	7,00	FPM	LI	01802	TCS0720	BR	42,00	62,00	6,00	NBR	LI
01546	4293	AGJQ	46,00	65,60	11,10	NBR	LI	01805	4736	AGJA2	100,00	128,00	15,00	NBR	LI
01549	6973	BRG	100,00	125,00	12,00	NBR	LI	01806	4711	BRXE3	143,30	150,00	39,50	NBR	LI
01550	3254	BR	55,00	72,00	10,00	NBR	LI	01807	TCS0917	BAG	50,00	70,00	12,00	NBR	LI
01550	6881	BRG	55,00	72,00	10,00	NBR	LI	01814	TCS0104	BRG	36,00	60,00	9,50	NBR	LI
01551	4590	BR	35,00	58,00	10,00	NBR	LI	01816	TCS0225	BA	15,00	24,00	7,00	NBR	LI
01554	CX9096	BRG	22,00	32,00	7,00	NBR	LI	01828	TCS0860	B	61,90	79,95	10,00	NBR	LI
01556	6435	BR	25,00	40,00	8,00	NBR	LI	01829	TCS0105	B	90,00	112,70	13,00	NBR	LI
01576	TCS0794	BAG	16,00	22,10	6,40	NBR	LI	01831	1500	BA	30,00	46,40	10,00	NBR	LI
01581	TCS0806	BG	30,00	72,00	10,00	NBR	LI	01841	TCS0568	BRG	60,00	82,00	12,00	NBR	LI
01602	TCS0801	BAG	40,00	72,00	12,00	NBR	LI	01847	CX6091	GR	50,00	68,00	8,50	NBR	LI
01604	TCS0342	BRG	25,00	42,00	6,00	NBR	LI	01861	3317	BRG	50,00	72,00	12,00	NBR	LI
1630	TCS0842	BAG	31,75	42,86	7,94	NBR	LI	01864	4595	BAG	54,00	76,20	12,70	NBR	LI
01656	TCS0864	BRG	44,50	70,00	10,00	NBR	LI	01873	9851	GRE	30,50	38,00	7,90	NBR	LI
01657	TCS0925	BA	38,00	57,00	7,00	NBR	LI	01874	4694	BRXE2	74,50	80,10	22,00	NBR	LI
01660	TCS0905	BAGE1	39,40	80,20	6,40	NBR	BI	01875	9850	BR	14,00	32,00	10,00	NBR	LI
01667	TCS0095	BR	30,00	42,00	8,00	NBR	LI	01876	AG7679	AGC	20,90	30,06	12,00	NBR	LI
01677	TCS0097	BR	15,00	30,00	7,00	NBR	LI	01879	TCS0107	BRG	70,00	95,00	13,00	NBR	LI
01679	1780	BRG	44,50	68,20	15,90	NBR	LI	01880	TCS0108	BAG	69,80	98,45	11,80	NBR	LI
01695	CX9398	BRG	30,00	47,00	6,00	NBR	LI	01886	CX6043	GR	28,00	38,00	7,00	NBR	LI
01699	1984	BR	47,60	69,85	9,50	NBR	LI	01900	1532	AGFC	85,70	107,95	7,90	NBR	LI
01707	4513	BRG	40,00	55,00	8,00	NBR	LI	01901	TCS0902	BG	101,80	127,10	11,90	NBR	LI
01716	4571	BR	22,00	35,00	7,00	NBR	LI	01907	TCS0110	BR	15,00	32,00	7,00	NBR	LI
01721	4613	BRG	100,00	130,00	12,00	NBR	LI	01907	TCS0234	BRG	15,00	32,00	7,00	NBR	LI
01727	CX9399	BRG	22,00	32,00	5,00	NBR	LI	01907	TCS0235	BRGF	15,00	32,00	7,00	FPM	LI



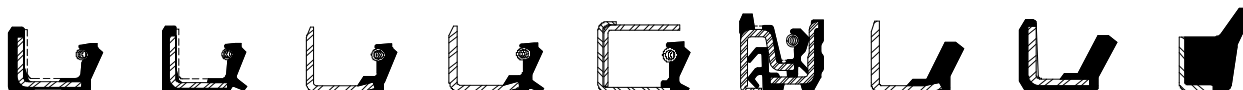
REFERÊNCIA DE MERCADO

REF	CÓDIGO	MOD.	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	MOD.	Ø INT.	Ø EXT.	H	MAT	ORI
01912	TCS0112	BRG	85,70	114,20	11,20	NBR	LI	02062	TCS0799	BAG	25,00	40,00	7,00	NBR	LI
01914	TCS0318	BRGF	22,00	42,00	10,00	FPM	LI	02066	4526	BAG	57,20	73,00	8,00	NBR	BI
01916	CX9508	BAGP	17,00	34,00	7,00	ACM	LI	02068	TCS0119	BRGP	40,00	52,00	8,00	ACM	LI
01917	3003	BRGS	78,00	100,00	13,00	MVO	H	02069	TCS0121	BRGS	130,00	160,00	14,00	MVO	LI
01923	3370	BG	82,50	114,30	12,70	NBR	LI	02077	1666	BAG	60,30	79,35	9,50	NBR	H
01928	3298	B	146,00	168,25	16,00	NBR	H	02090	1888	BABE	60,30	85,70	22,80	NBR	LI
01930	TCS0728	BAG	54,10	73,00	8,50	NBR	LI	02091	TCS0800	BAG	35,00	62,00	12,00	NBR	LI
01931	TCS0729	BAG	41,40	70,60	7,90	NBR	LI	02095	TCS0908	GA	35,00	42,00	4,00	NBR	LI
01935	TCS0797	BAG	20,00	30,00	7,00	NBR	LI	02096	9576	BA	30,00	37,00	4,00	NBR	LI
01949	AG7370	BRG	35,00	62,00	10,00	NBR	LI	02099	6965	BA	36,00	54,00	7,00	NBR	LI
01959	TCS0927	BAG	15,00	35,00	7,00	NBR	LI	02100	TCS0123	BAG	58,00	75,00	12,00	NBR	LI
01962	3012	BA	28,60	41,30	9,40	NBR	LI	02102	TCS0124	BA	34,90	50,85	8,30	NBR	LI
01963	TCS0900	BAG	41,10	49,30	6,50	NBR	LI	02106	AG7668	GA	28,00	40,00	5,00	NBR	LI
01963	1054	BAG	41,30	49,20	6,00	NBR	LI	02107	TCS0329	GA	25,00	35,00	5,00	NBR	LI
01964	6964	BAG	28,60	38,10	6,50	NBR	LI	02108	3256	BRG	50,00	68,00	9,00	NBR	LI
01966	TCS0210	BAG	12,70	25,40	6,50	NBR	LI	02110	TCS0033	BRG	45,00	62,00	9,00	NBR	LI
01972	1918	BRGS	133,30	158,75	12,70	MVO	AH	02111	TCS0549	BRG	55,00	72,00	9,00	NBR	LI
01973	6809	GA	50,00	58,00	4,00	NBR	LI	02115	4410	BRG	122,20	140,80	11,80	MVO	AH
01973	1479	BABE	54,00	81,00	20,00	NBR	LI	02116	TCS0844	BAGP	60,33	82,55	11,11	ACM	LI
01974	TCS0625	BRG	100,00	130,00	13,00	NBR	LI	02125	3326	BGF	95,30	114,25	12,00	FPM	LI
01980	4518	BR	35,00	55,00	8,00	NBR	LI	02127	TCS0880	BG	76,20	101,60	11,12	NBR	LI
01980	TCS0115	BR	35,00	55,00	8,00	NBR	LI	02127	TCS0125	BGP	76,20	101,65	11,00	ACM	LI
01988	6523	BRG	40,00	52,00	7,40	NBR	LI	02139	TCS0126	BRG	48,00	72,00	7,00	NBR	LI
01992	AG7214	BR	30,25	39,70	6,35	NBR	LI	02148	6181	BRG	25,00	40,00	9,00	NBR	LI
01993	9818	BR	27,00	38,10	6,40	NBR	LI	02152	AG7883	BAGGG	34,00	55,00	15,00	NBR	LI
01999	4741	BRGG	34,00	72,00	10,00	NBR	LI	02153	6680	BRG	29,40	42,85	8,00	NBR	LI
02004	TCS0116	BAGP	64,00	80,00	8,00	ACM	LI	02161	6587	BR	17,00	25,00	4,00	NBR	LI
02006	4557	BAG	30,00	52,00	7,00	NBR	H	02161	6588	BRF	17,00	25,00	4,00	FPM	LI
02010	3900	BRG	25,00	47,00	7,00	NBR	LI	02162	TCS0216	BRG	14,00	24,00	6,00	NBR	LI
02017	TCS0922	GB	73,50	95,00	18,00	NBR	LI	02163	TCS0127	BRG	8,00	18,00	5,00	NBR	LI
02018	1952	AGFN	88,90	152,40	39,10	NBR	LI	02169	TCS0843	BAG	45,00	62,00	7,00	NBR	LI
02019	1955	AGFN	82,60	134,55	41,20	NBR	LI	02171	TCS0837	BR	10,00	19,00	7,00	NBR	LI
02020	1403	AGGF	14,00	50,50	46,00	ASBR	LI	02180	1476	BG	114,30	155,55	14,00	NBR	BI
02026	1960	GGGX	52,40	74,70	8,40	NBR	LI	02184	TCS0128	BAGP	32,00	65,00	13,00	ACM	LI
02031	TCS0455	BRG	40,00	56,00	7,00	NBR	LI	02194	4299	AGJU	101,60	127,00	16,00	NBR	LI
02032	AG7383	BA	25,40	34,95	6,40	NBR	H	02195	1480	BR	105,00	140,00	13,00	NBR	LI
02035	4610	AGJU	79,00	110,00	17,40	NBR	LI	02196	1495	BR	44,30	81,00	12,50	NBR	LI
02046	CX9106	BRG	25,00	47,00	10,00	NBR	LI	02207	1461	BAG	54,00	73,00	11,00	NBR	LI
02049	TCS0117	BG	100,00	120,00	13,00	NBR	LI	02207	1467	BAGS	54,00	73,00	11,00	MVO	LI
02051	5767	BR	38,00	54,00	10,00	NBR	LI	02209	TCS0131	BAGE2	47,60	80,00	13,00	NBR	BI

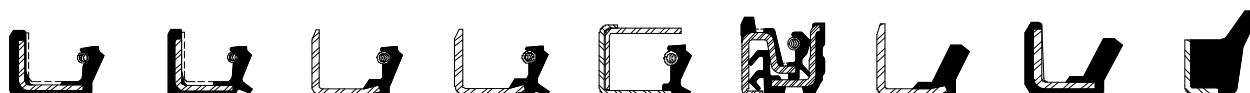


REFERÊNCIA DE MERCADO

REF	CÓDIGO	MOD.	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	MOD.	Ø INT.	Ø EXT.	H	MAT	ORI
02211	TCS0132	BAG	63,50	83,80	9,00	NBR	LI	02484	4307	AGJR	88,90	122,90	19,00	NBR	BI
02216	TCS0133	GAG	17,80	32,15	5,50	NBR	LI	02485	TCS0143	BY	98,40	144,54	16,00	NBR	LI
02225	TCS0863	BRG	40,00	68,00	12,00	NBR	LI	02486	TCS0144	BR	20,00	34,00	7,00	NBR	LI
02233	CX9230	BRG	25,00	40,00	8,00	NBR	LI	02486	TCS0145	BRS	20,00	35,00	7,00	MVO	LI
02234	6994	BRG	30,00	42,00	10,00	NBR	LI	02496	4446	AGBR	127,00	158,75	16,00	NBR	LI
02246	TCS0923	BAG	168,00	188,00	31,50	NBR	LI	02506	TCS0147	BR	38,00	52,25	7,00	NBR	LI
02261	AG7671	GAE	25,00	35,00	5,00	NBR	LI	02517	CX1256	BRXE	55,00	70,00	12,00	NBR	LI
02263	1497	BR	19,00	31,60	7,70	NBR	LI	02525	5838	BRAGF	26,00	42,00	8,00	FPM	H
02265	5608	GA	25,00	32,00	4,00	NBR	LI	02529	6968	BRG	55,00	80,00	8,00	NBR	LI
02267	1951	AGFS	60,30	85,75	22,80	NBR	LI	02530	6970	BRG	65,00	85,00	10,00	NBR	LI
02270	TCS0845	B	32,00	72,00	10,00	NBR	LI	02531	TCS0148	BR	75,00	95,00	10,00	NBR	LI
02283	TCS0134	BRGF	85,00	105,00	12,00	FPM	LI	02531	TCS0879	BRG	75,00	95,00	10,00	NBR	LI
02308	TCS0135	BRG	14,00	28,00	7,00	NBR	LI	02535	TCS0149	BRG	12,00	22,00	5,00	NBR	LI
02309	TCS0136	BRP	15,00	25,00	7,00	ACM	LI	02556	TCS0150	BAGF	68,00	85,00	10,00	FPM	LI
02310	TCS0137	BRG	16,00	28,00	7,00	NBR	LI	02568	6595	BRG	26,00	35,00	7,00	NBR	LI
02311	TCS0292	BR	20,00	34,00	7,00	NBR	LI	02570	TCS0819	BRGF	25,00	40,00	7,00	FPM	LI
02312	TCS0138	BRG	27,00	39,00	10,50	NBR	LI	02571	TCS0151	BRG	17,00	25,00	4,00	NBR	LI
02316	AG7826	GA	57,20	82,60	6,50	NBR	LI	02571	TCS0613	BRGF	90,00	120,00	12,00	FPM	LI
02317	5839	BRGF	31,00	50,00	8,00	FPM PT	H	02572	3215	BRG	22,00	35,00	7,00	NBR	LI
02324	AG7935	BRG	45,00	65,00	8,00	NBR	LI	02573	TCS0283	GR	20,00	26,00	4,00	NBR	LI
02324	TCS0519	BRG	45,00	65,00	8,00	NBR	LI	02574	1548	BR	90,00	110,00	12,00	NBR	LI
02326	3283	BRG	58,00	80,00	12,00	NBR	H	02574	6610	BRF	90,00	110,00	12,00	FPM	LI
02335	9804	BAG	15,90	22,20	4,30	NBR	LI	02574	TCS0611	BRG	90,00	110,00	12,00	NBR	LI
02336	4174	AGJL	35,00	45,15	15,00	NBR	LI	02580	4671	BAG	44,45	63,50	12,70	NBR	BI
02355	5609	BA	28,60	41,30	6,30	NBR	LI	02588	6309	GRF	25,00	32,00	4,00	FPM	LI
02357	5604	BA	22,20	31,70	6,00	NBR	LI	02588	AG7687	GRS	25,00	32,00	4,00	MVO	LI
02373	TCS0781	BRG	13,00	26,00	7,00	NBR	LI	02588	6592	GR	25,00	32,00	4,00	NBR	LI
02376	AG7680	BRG	30,00	47,00	7,00	FPM	AH	02589	AG7286	GR	15,00	21,00	3,00	NBR	LI
02392	TCS0804	BRGE2	55,00	70,00	6,00	NBR	BI	02612	4417	BRGF	122,20	140,80	11,80	FPM	AH
02395	TCS0803	BAGG	45,00	73,10	13,00	NBR	LI	02632	6311	GRF	35,00	42,00	4,00	FPM	LI
02413	TCS0370	BRG	28,00	40,00	8,00	NBR	LI	02632	6373	GR	35,00	42,00	4,00	NBR	LI
02416	TCS0906	BAG	82,50	120,00	15,00	NBR	LI	02633	3933	GR	40,00	50,00	4,00	NBR	LI
02418	TCS0142	BR	21,50	40,00	7,00	NBR	LI	02633	6314	GRF	40,00	50,00	4,00	FPM	LI
02425	TCS0256	BRG	17,00	32,00	7,00	NBR	LI	02634	6379	GR	45,00	55,00	4,00	NBR	LI
02433	CX9156	BRG	20,00	39,70	6,50	NBR	LI	02635	6316	GRF	55,00	65,00	5,00	FPM	LI
02442	TCS0805	BAGE	50,00	65,00	9,70	NBR	BI	02635	6380	GR	55,00	65,00	5,00	NBR	LI
02445	1534	BR	68,00	90,00	10,00	NBR	LI	02636	3858	GR	60,00	72,00	6,00	NBR	LI
02449	3727	BRGF	122,20	140,80	12,00	FPM	AH	02636	6317	GRF	60,00	72,00	6,00	FPM	LI
02451	TCS0589	BRG	75,00	90,00	10,00	NBR	LI	02637	3857	GR	70,00	85,00	7,00	NBR	LI
02454	5727	BRG	15,00	25,00	6,00	NBR	LI	02637	6318	GRF	70,00	85,00	7,00	FPM	LI

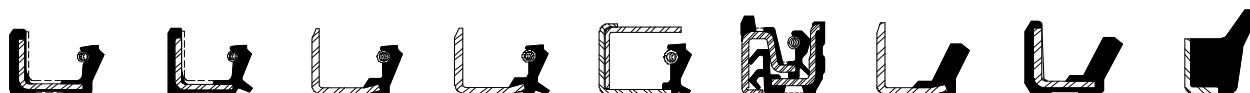

REFERÊNCIA DE MERCADO

REF	CÓDIGO	MOD.	Ø INT.	Ø EXT.	H	MAT	ORI	REF	CÓDIGO	MOD.	Ø INT.	Ø EXT.	H	MAT	ORI
02638	6582	GR	12,00	18,00	3,00	NBR	LI	02987	CX6104	GR	32,00	45,00	7,00	NBR	LI
02639	6313	GRF	15,00	23,00	3,00	FPM	LI	03005	TCS0189	BRGF	10,00	21,00	5,00	FPM	LI
02639	6484	GR	15,00	23,00	3,00	NBR	LI	03005	TCS0787	BRG	12,00	21,00	5,00	NBR	LI
02640	6312	GRF	17,00	25,00	3,00	FPM	LI	03013	TCS0157	BA	20,00	31,00	7,00	NBR	LI
02640	6586	GR	17,00	25,00	3,00	NBR	LI	03025	6835	BRGF	25,00	35,00	6,00	FPM	H
02641	6308	GRF	20,00	28,00	4,00	FPM	LI	03252	TCS0812	BRG	14,00	22,00	5,00	NBR	LI
02641	6589	GR	20,00	28,00	4,00	NBR	LI	03255	TCS0193	BR	12,00	21,00	4,00	NBR	LI
02643	3883	GR	30,00	37,00	4,00	NBR	LI	05055	3849	BRAGF	64,00	80,00	9,00	FPM	H
02661	TCS0603	BRG	80,00	100,00	12,00	NBR	LI	05074	6415	BRAGF	30,00	43,00	8,00	FPM PT	H
02672	4659	BRGE1	30,00	72,00	6,50	NBR	BI	05126	TCS0160	BRGF	59,93	76,20	11,10	FPM	LI
02675	TCS0792	BRG	40,08	82,95	9,92	NBR	LI	05141	TCS0698	BRAG	17,00	28,00	7,00	NBR	LI
02677	6551	BRG	70,00	85,00	8,00	NBR	LI	05142	TCS0697	BRAG	20,00	31,00	7,00	NBR	LI
02685	TCS0740	BRG	60,00	90,00	8,00	NBR	LI	05142	TCS0881	BRAG	20,00	31,00	7,30	MVO	LI
02689	TCS0810	BAG	12,00	20,00	5,00	NBR	LI	05253	AG7324	BRGF	35,00	50,00	7,00	FPM	H
02699	TCS0415	BRG	32,00	52,00	7,00	NBR	LI	05352	AG7290	BRGF	57,00	71,00	9,00	FPM	LI
02701	6321	BRF	17,00	28,00	5,00	FPM	LI	05353	AG7289	BRGF	46,70	62,00	9,00	FPM	LI
02701	6940	BR	17,00	28,00	5,00	NBR	LI	05580	AG7368	BRGF	32,00	44,00	6,00	FPM	H
02701	TCS0250	BRG	17,00	28,00	5,00	NBR	LI	05784	AG7232	BRGF	32,00	46,00	6,00	FPM	H
02713	TCS0154	AGBF	121,10	160,20	35,00	NBR	LI	07322	TCS0161	BRA	100,00	125,00	12,00	NBR	LI
02715	6000	GA	22,20	28,60	3,20	NBR	LI	07518	TCS0229	BRG	15,00	26,00	7,00	NBR	LI
02727	AG7524	BRG	25,00	52,00	8,00	NBR	LI	07840	4652	BRAG	105,00	130,00	12,00	FPM	AH
02730	1527	BRG	17,00	30,00	7,00	NBR	LI	10316	AG7672	AGNK	2,00	24,50	14,70	NBR	LI
02744	5672	AGBO	30,00	52,00	10,00	NBR	LI	02415	TCS0140	BAG	55,40	76,15	12,70	NBR	LI
02745	CX6080	BRG	45,00	60,00	7,00	NBR	LI								
02753	TCS0155	BRG	75,00	95,00	13,00	NBR	LI								
02794	6628	BRAGF	38,00	50,00	8,00	FPM	LI								
02797	4173	AGJJ	25,00	38,00	14,50	FPM	LI								
02802	TCS0820	BRGF	25,00	35,00	7,00	FPM	LI								
02813	6437	BRG	30,00	52,00	8,00	NBR	LI								
02822	TCS1001	BRG	40,00	52,00	6,00	NBR	LI								
02868	4248	BRGF	125,00	150,00	12,00	FPM	LI								
02868	4670	BRG	125,00	150,00	13,00	NBR	BI								
02879	AX0036	BAG	41,30	54,00	6,50	NBR	BI								
02894	4677	AGBR	106,50	140,00	15,00	NBR	LI								
02927	TCS0743	BRG1	8,70	13,50	11,00	FPM	LI								
02963	5555	BROF	17,00	30,00	7,00	FPM	LI								
02972	TCS0156	BAG	40,00	55,00	8,00	NBR	LI								
02981	TCS0868	GA	43,00	52,00	6,50	NBR	LI								
02984	CX6069	BRG	32,00	45,00	7,00	NBR	LI								
02985	TCS0627	BRGF	105,00	130,00	12,00	FPM	LI								



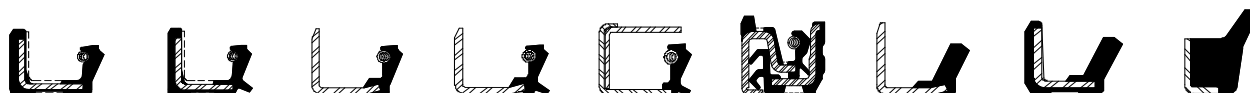
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CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
1023	---	AGJB	50,00	62,00	5,0/7,0	NBR	LI	1463	00907	BR	63,50	76,10	9,50	NBR	LI
1054	01963	BAG	41,30	49,20	6,00	NBR	LI	1464	---	BR	28,00	38,00	5,50	NBR	LI
1081	00517	BRG	60,00	90,00	10,00	NBR	LI	1465	---	BA	48,00	61,00	6,50	NBR	LI
1117	---	GA	56,00	71,00	9,00	NBR	LI	1466	00006	BAS	54,00	77,80	12,70	MVQ	LI
1153	---	AGGD	24,00	32,00	5,0/6,0	NBR	LI	1467	02207	BAGS	54,00	73,00	11,00	MVQ	LI
1243	---	AGFJ	42,00	58,80	12,70	NBR/PU	LI	1469	---	BAGG	73,00	101,60	11,50	NBR	LI
1302	---	BR	65,00	100,00	9,50	NBR	LI	1470	00379	BR	66,70	95,25	12,70	NBR	LI
1307	01157	BRGF	34,00	62,10	10,00	FPM	LI	1471	---	BR	37,00	50,00	12,00	NBR	LI
1331	---	AGGL	63,50	82,55	9,50	PU	LI	1474	---	BAG	19,00	31,75	11,00	NBR	LI
1335	---	AGK1	69,85	95,25	14,00	PU	LI	1475	---	BG	101,60	139,70	16,50	NBR	LI
1337	---	GA	50,80	68,30	9,50	PU	LI	1476	02180	BG	114,30	155,55	14,00	NBR	BI
1338	---	GA	63,50	82,55	10,00	PU	LI	1477	---	BA	79,40	104,80	11,00	NBR	LI
1340	---	GA	38,10	57,15	9,50	PU	LI	1478	---	BA	19,05	31,75	8,00	NBR	LI
1341	---	GA	60,30	79,40	9,50	PU	LI	1479	01973	BABE	54,00	81,00	20,00	NBR	LI
1342	---	GA	44,00	57,00	6,50	PU	LI	1480	02195	BR	105,00	140,00	13,00	NBR	LI
1344	---	GA	50,80	63,50	6,50	PU	LI	1481	01251	BG	92,10	123,85	21,00	NBR	LI
1347	---	GA	69,80	82,55	8,00	PU	LI	1482	---	B	101,60	127,00	9,50	NBR	LI
1354	---	AGGL	50,80	70,00	9,50	PU	LI	1483	---	BS	101,60	127,00	9,50	MVQ	LI
1357	---	AGK1	82,55	107,95	14,50	PU	LI	1484	---	BG	100,00	136,50	12,70	NBR	LI
1364	---	GA	88,90	114,30	13,00	NBR	LI	1488	---	AGJA	116,00	168,50	13,00	NBR	LI
1384	---	GA	38,10	50,80	6,40	PU	LI	1489	---	AGFZ	27,50	37,70	7,50	NBR	LI
1388	---	GA	82,55	95,25	8,00	PU	LI	1491	---	BG	127,00	159,00	15,00	NBR	LI
1403	02020	AGGF	14,00	50,50	46,00	NBR	LI	1494	---	AGFO	150,00	174,00	28,00	NBR	LI
1405	00185	BAF	49,20	76,10	12,70	FPM	LI	1495	02196	BR	44,30	81,00	12,50	NBR	LI
1426	01022	BRG	28,60	38,00	7,00	NBR	LI	1496	---	BRG	15,80	28,60	6,40	NBR	LI
1448	---	GA	57,20	76,20	9,50	PU	LI	1497	02263	BR	19,00	31,60	7,70	NBR	LI
1449	---	BAS	49,20	68,25	12,70	MVQ	LI	1498	---	BRGF	22,20	35,00	9,50	FPM	LI
1450	---	GA	76,20	88,90	8,00	PU	LI	1499	01535	BR	30,00	40,00	7,00	NBR	LI
1451	---	GA	63,50	76,20	8,00	PU	LI	1500	01831	BA	30,00	46,40	10,00	NBR	LI
1452	---	GA	57,15	69,85	8,00	PU	LI	1501	---	BAG	19,00	35,00	7,00	NBR	LI
1453	---	GA	50,80	63,50	8,00	PU	LI	1502	00813	BA	30,00	42,95	9,50	NBR	LI
1454	---	GA	44,50	57,15	8,00	PU	LI	1503	---	BAG	22,00	35,00	7,00	NBR	LI
1455	---	GA	38,10	50,80	8,00	PU	LI	1505	---	GA	50,80	60,30	6,40	NBR	LI
1456	---	BA	50,00	70,00	9,00	NBR	LI	1506	---	AGFV	46,00	65,00	16,00	NBR/PU	LI
1457	---	BR	69,90	88,90	9,50	NBR	LI	1508	---	GAG	50,00	60,00	7,0/9,5	PU	LI
1458	00479	BR	38,00	52,00	10,00	NBR	LI	1509	---	GAE	60,00	70,00	7,5/9,5	NBR	LI
1459	---	BA	50,00	80,00	10,00	NBR	LI	1511	---	GA	100,00	110,00	7,00	PU	LI
1460	0013	BRG	57,10	76,20	12,70	NBR	LI	1512	---	BRG	30,00	52,40	7,00	NBR	LI
1461	02207	BAG	54,00	73,00	11,00	NBR	LI	1513	---	BRO	125,00	150,00	10,00	NBR	LI
1462	---	BRG	31,70	50,80	12,70	NBR	LI	1514	---	GA	31,75	44,45	8,00	PU	LI



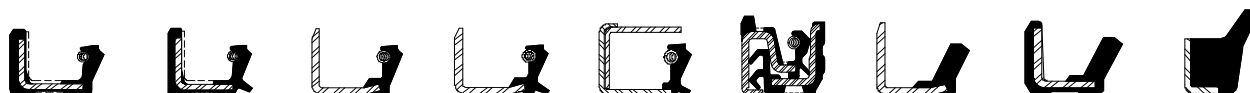
REFERÊNCIA AGEL

CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
1517	00912	BRG	35,00	52,00	12,00	NBR	LI	1666	02077	BAG	60,30	79,35	9,50	NBR	H
1518	---	BRG	28,60	41,20	10,00	NBR	BI	1686	---	GA	95,25	111,12	7,94	PU	LI
1520	---	GAE	50,00	65,00	7,0/10,0	PU	LI	1716	---	BR	57,15	85,70	12,70	NBR	LI
1521	---	BRG	22,20	35,00	9,50	NBR	LI	1717	---	GA	70,00	85,00	7,00	PU	LI
1522	---	BR	33,00	51,00	8,00	NBR	LI	1720	02804	AGGS	88,90	152,40	15,00	NBR	LI
1523	---	GAE	40,00	50,00	6,5/10,0	NBR	LI	1744	---	AGBB1	66,15	91,00	12,5/14,0	NBR	LI
1524	---	B	40,00	60,00	10,00	NBR	LI	1748	00517F	BRGF	60,00	90,00	10,00	FPM	LI
1525	---	GAE	84,10	95,25	7,0/9,5	PU	LI	1764	---	AGFD	130,00	160,00	20,00	NBR/PU	LI
1526	---	B	68,00	90,00	9,50	NBR	LI	1780	01679	BRG	44,50	68,20	15,90	NBR	LI
1527	02730	BRG	17,00	30,00	7,00	NBR	LI	1803	---	GA	70,00	80,00	7,00	NBR	LI
1528	---	AGFJ	41,30	61,90	13,50	NBR/PU	LI	1827	---	GA	63,50	77,80	9,50	PU	LI
1529	---	GAG	45,00	55,00	7,0/10,0	PU	LI	1842	---	GA	69,85	95,25	9,53	PU	LI
1531	---	GA	50,80	70,00	5,00	NBR	LI	1886	01392	BAGF	60,00	80,00	12,00	FPM	LI
1532	01900	AGFC	85,70	107,95	7,90	NBR	LI	1888	02090	BABE	60,30	85,70	22,80	NBR	LI
1533	---	B	63,50	95,25	13,00	NBR	LI	1896	---	AGFV	40,00	60,00	18,00	MVQ/PU	LI
1534	02445	BR	68,00	90,00	10,00	NBR	LI	1901	00749	BA	44,50	54,00	4,80	NBR	LI
1535	---	BRGG	50,00	80,00	11,00	NBR	LI	1917	---	GA	71,00	86,00	5,00	PU	LI
1536	---	GA	44,50	63,50	8,00	NBR	LI	1918	01972	BRGS	133,30	158,75	12,70	MVQ	AH
1537	---	GA	41,30	50,80	5,00	NBR	LI	1923	---	GA	50,00	65,00	8,00	PU	LI
1538	---	BRO	140,00	165,00	13,00	NBR	LI	1925	---	GA	90,00	110,00	10,00	PU	LI
1539	---	BRGG	45,00	70,00	10,00	NBR	LI	1926	---	GA	80,00	100,00	10,00	PU	LI
1540	---	GAE	55,00	66,00	7,5/10,0	PU	LI	1927	---	BAG	35,00	50,00	12,00	NBR	LI
1541	---	BG	69,80	101,60	15,00	NBR	LI	1928	---	AGFK	46,00	65,00	15,00	NBR/PU	LI
1542	---	BG	80,96	107,95	13,50	NBR	LI	1930	01265	BAG	40,00	56,00	9,00	NBR	LI
1543	---	BG	87,30	114,30	20,50	NBR	LI	1931	---	BA	38,10	63,50	8,00	NBR	LI
1544	01790	B	63,50	82,55	12,70	NBR	LI	1933	01241	BAG	49,00	65,00	10,00	NBR	LI
1545	---	GAE	47,00	57,15	7,0/9,5	PU	LI	1934	01262	BAG	49,00	68,00	12,00	NBR	LI
1546	---	BRG	60,00	75,00	8,00	NBR	LI	1935	00123	BG	101,60	126,90	12,70	NBR	LI
1547	00228	BAG	68,00	90,00	10,00	NBR	LI	1936	00498	BAG	55,00	80,00	13,00	NBR	LI
1548	02574	BR	90,00	110,00	12,00	NBR	LI	1940	---	AGFV	56,00	75,00	22,00	NBR/PU	LI
1549	00036	BR	60,00	80,00	8,00	NBR	LI	1947	---	GA	60,00	75,00	7,50	PU	LI
1550	---	B	69,80	100,00	11,00	NBR	LI	1950	---	GA	54,00	65,00	3,20	PU	LI
1551	---	BR	45,00	62,00	8,50	NBR	LI	1951	02267	AGFS	60,30	85,75	22,80	NBR	LI
1552	---	AGGR	73,00	90,00	7,0/10,5	NBR	LI	1952	02018	AGFN	88,90	152,40	39,10	NBR	LI
1553	---	BR	19,00	33,30	9,50	NBR	LI	1955	02019	AGFN	82,60	134,55	41,20	NBR	LI
1554	---	BRG	42,00	62,00	7,50	NBR	LI	1957	---	BRO	110,00	130,00	13,00	NBR	LI
1555	---	AGBF	127,00	159,00	24,00	NBR	LI	1958	---	BR	110,00	130,00	13,00	NBR	LI
1600	---	AGFV	35,00	52,00	14,50	NBR/PU	LI	1959	01767 B	BRG	85,00	110,00	12,00	NBR	LI
1655	---	GA	80,00	95,00	5,00	PU	LI	1960	02026	GGGX	52,40	74,70	8,40	NBR	LI
1656	---	GAE	56,00	70,00	8,0/10,5	NBR	LI	1963	---	AGFD	140,00	170,00	20,00	NBR/PU	LI



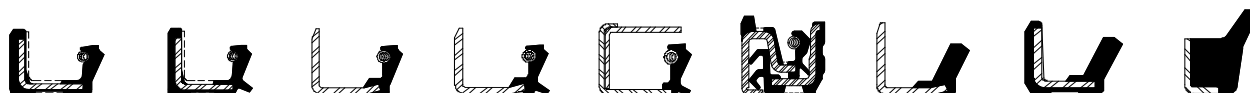
REFERÊNCIA AGEL

CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
1968	---	AGGN	57,15	84,13	9,00	NBR	LI	3241	---	GAE	125,00	140,00	9,0/12,0	NBR	LI
1969	---	GA	45,00	60,00	8,00	PU	LI	3242	---	GAE	150,00	165,00	9,0/12,0	NBR	LI
1970	---	BRO	168,00	198,00	16,50	NBR	LI	3243	---	AGFV	40,00	55,00	10,00	NBR/PU	LI
1975	---	BRG	30,00	46,00	20,00	NBR	LI	3244	---	BRG	40,00	60,00	6,00	NBR	LI
1983	---	GA	64,00	78,00	8,00	PU	LI	3246	---	AGFQ	60,00	90,00	8,00	PU	LI
1984	01699	BR	47,60	69,85	9,50	NBR	LI	3247	---	BRGG	60,00	90,00	11,00	NBR	LI
1986	---	GA	44,45	61,90	9,50	PU	LI	3249	---	AGBB	70,00	95,00	13,0/14,5	NBR	LI
3002	---	BRGS	122,20	140,80	11,80	MVQ	AH	3250	---	BRO	165,00	195,00	11,50	NBR	LI
3003	01917	BRGS	78,00	100,00	13,00	MVQ	H	3251	---	AGBB	150,00	180,00	14,5/16,0	NBR	BI
3010	---	BROF	60,00	85,00	10,00	FPM	LI	3253	---	AGFV	57,00	82,00	17,00	NBR/PU	LI
3011	00037	B	53,90	73,00	12,70	NBR	LI	3254	01550	BR	55,00	72,00	10,00	NBR	LI
3012	01962	BA	28,60	41,30	9,40	NBR	LI	3255	01135	BRG	70,00	90,00	10,00	NBR	LI
3013	---	GAG	55,00	69,00	8,0/10,0	PU	LI	3256	02108	BRG	50,00	68,00	9,00	NBR	LI
3014	---	GAG	46,00	57,00	7,0/10,0	NBR	LI	3257	---	AGFV	30,00	44,00	11,00	NBR/PU	LI
3015	---	GAG	66,00	79,00	8,0/9,5	PU	LI	3258	---	BRG	46,00	65,00	10,00	NBR	LI
3025	---	BRGG	95,00	125,00	20,00	NBR	LI	3264	---	AGFK	55,00	75,00	16,00	NBR/PU	LI
3026	---	AGGT	90,00	120,00	20,00	NBR/PU	LI	3265	---	BR	46,00	65,00	8,00	NBR	LI
3027	---	BRGS	60,30	82,50	11,00	MVQ	LI	3266	---	AGGP	40,00	60,00	25,00	NBR/PU	LI
3028	---	AGFV	42,00	62,00	14,50	NBR/PU	LI	3267	---	AGBG	44,50	63,50	18,00	NBR	LI
3046	---	GAG	75,00	89,00	8,0/11,0	PU	LI	3268	---	AGBB	45,00	70,00	14,5/17,0	NBR	LI
3051	---	GAG	70,00	84,00	8,0/10,0	PU	LI	3269	---	AGBH	35,00	92,0/98,0	13,0/27,0	NBR	LI
3052	---	GAG	80,00	94,00	8,0/11,0	PU	LI	3270	---	AGBI	167,80	198,00	13,0/17,0	NBR	BI
3053	---	BRG	57,00	85,00	12,00	NBR	LI	3271	---	BRGF	133,35	158,75	11,00	FPM	AH
3055	---	AGGL	50,80	69,85	15,80	PU	LI	3272	---	AGBJ	127,00	159,00	24,00	NBR	LI
3108	---	BA	50,00	60,00	7,00	NBR	LI	3273	---	GA	50,00	63,00	4,00	PU	LI
3109	---	BA	55,00	68,00	7,00	NBR	LI	3274	---	AGGI	110,00	140,00	12,50	NBR/PTFE	AH
3110	01543	BA	25,00	35,00	7,00	NBR	LI	3276	---	BRG	35,00	55,00	11,00	NBR	LI
3115	---	GAE	84,00	99,00	8,0/11,0	PU	LI	3277	01322	BRG	40,00	62,00	10,00	NBR	LI
3122	---	AGFV	45,00	65,00	12,00	NBR/PU	LI	3278	---	BRAGF	42,00	65,00	10,00	FPM	H
3123	---	BRG	22,20	50,80	12,70	NBR	LI	3279	---	GR	25,00	31,00	7,00	NBR	LI
3145	---	GAE	140,00	155,00	9,0/12,0	NBR	LI	3280	---	AGGJ	130,00	154,00	18,00	NBR/PU	LI
3162	---	AGBB	155,00	195,00	18,0/18,0	NBR	LI	3282	---	BRAGF	114,30	135,00	12,70	FPM	AH
3163	---	BRG	18,20	30,00	6,00	NBR	LI	3283	02326	BRG	58,00	80,00	12,00	NBR	H
3207	---	BAGG1	65,00	120,00	12,00	NBR	LI	3284	---	GA	125,00	140,00	7,00	NBR	LI
3215	02572	BRG	22,00	35,00	7,00	NBR	LI	3286	---	AGFP	60,30	79,40	8,5/18,0	NBR	LI
3216	---	BAG	80,00	100,00	10,00	NBR	LI	3291	---	BR	28,00	57,00	9,50	NBR	LI
3228	---	AGFV	40,00	60,00	18,00	NBR/PU	LI	3292	---	BR	57,10	79,40	9,50	NBR	H
3235	---	AGFV	57,00	80,00	16,50	NBR/PU	LI	3294	---	BRG	48,00	62,00	8,00	NBR	BI
3239	---	AGBC	35,00	65,00	14,5/17,5	NBR	LI	3295	---	BAGF	57,15	76,20	9,50	FPM	LI
3240	---	AGBD	150,00	176,00	13,0/17,0	NBR	LI	3296	01416	BAG	90,00	110,00	13,00	NBR	LI



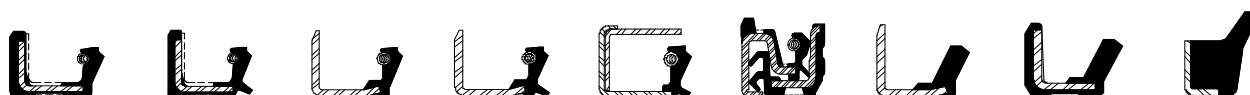
REFERÊNCIA AGEL

CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
3297	---	B	127,00	152,40	12,70	FPM	H	3401	---	GAE	90,00	100,00	7,0/10,0	NBR	LI
3298	01928	B	146,00	168,25	16,00	NBR	H	3417	---	GAE	85,00	99,00	8,0/13,0	PU	LI
3299	---	AGBD	130,00	160,00	14,0/17,0	NBR	LI	3477	---	GA	50,80	60,30	7,00	PU	LI
3308	---	BG	44,50	66,70	15,80	NBR	LI	3478	---	GA	60,00	70,00	7,00	PU	LI
3309	---	AGBL	60,30	79,40	15,00	NBR	LI	3479	---	GA	65,00	75,00	7,00	PU	LI
3314	---	B	104,80	130,20	12,70	NBR	LI	3480	---	GA	70,00	80,00	7,00	PU	LI
3316	---	BRG	40,00	62,00	8,00	NBR	LI	3481	---	AGA	60,00	96,00	11,00	NBR	LI
3317	01861	BRG	50,00	72,00	12,00	NBR	LI	3482	---	AGJG	75,00	90,00	6,50	NBR	LI
3320	---	BG	136,50	171,45	15,80	NBR	LI	3483	---	GA	85,00	95,00	7,00	PU	LI
3321	---	AGBK	76,20	95,25	13,5/14,0	NBR	LI	3484	---	AGGA	28,00	35,00	4,8/7,5	NBR	LI
3324	---	AGFE	32,00	53,00	6,50	NBR	LI	3491	---	GAG	95,00	109,00	8,0/11,0	PU	LI
3326	02125	BGF	95,30	114,25	12,00	FPM	LI	3504	---	GA	70,00	80,00	5,50	PU	LI
3327	---	AGFR	56,50	65,00	6,30	NBR	LI	3505	---	GA	90,00	105,00	6,00	PU	LI
3333	---	BG	25,00	38,00	8,00	NBR	LI	3506	---	GA	190,00	210,00	10,00	PU	LI
3334	---	BG	45,00	57,00	10,00	NBR	LI	3507	---	B	40,00	62,00	10,00	NBR	LI
3335	00266	BR	25,00	47,00	10,00	NBR	LI	3508	01109	BRG	40,00	62,00	11,50	NBR	LI
3339	---	GGGX	76,20	114,30	7,00	NBR	LI	3509	---	GA	136,50	152,40	5,50	NBR	LI
3341	---	GAE	80,00	94,00	8,0/13,0	PU	LI	3513	01767	BR	85,00	110,00	12,00	NBR	LI
3351	---	BAG	25,40	39,70	6,50	NBR	LI	3514	---	BAGO	45,00	73,10	13,0/17,7	NBR	LI
3352	---	AGGL	50,00	66,50	6,30	NBR	LI	3515	---	GA	88,90	101,60	8,00	PU	LI
3353	---	BAG	47,60	66,70	8,00	NBR	LI	3516	---	BR	44,50	57,15	12,70	NBR	LI
3356	---	BR	40,00	72,00	7,00	NBR	LI	3517	---	BF	101,60	130,20	8,00	FPM	LI
3357	---	GGGX	44,45	66,70	7,00	NBR	LI	3518	---	AGBM	150,00	180,00	16,00	NBR	LI
3358	---	GGGX	50,80	73,00	6,50	NBR	LI	3521	---	AGGJ	42,00	62,00	21,50	NBR/PU	LI
3359	---	GGGX	63,50	92,07	9,00	NBR	LI	3526	---	BRGGF	45,00	76,00	12,00	FPM	LI
3360	---	AGBB1	48,00	75,00	14,5/17,0	NBR	LI	3534	00497	BRG	90,00	120,00	13,00	NBR	LI
3361	---	BRGG	45,00	76,00	12,00	NBR	LI	3535	---	B	74,60	114,30	13,00	NBR	LI
3362	---	GAE	90,00	104,00	8,0/13,0	PU	LI	3536	---	BRGF	60,00	78,00	9,00	FPM	LI
3368	---	GAG	100,00	114,00	8,0/11,0	PU	LI	3540	---	GAE	70,00	80,00	7,0/11,0	PU	LI
3370	01923	BG	82,50	114,30	12,70	NBR	LI	3541	---	GAE	80,00	90,00	7,0/11,0	PU	LI
3388	---	BA	75,00	100,00	10,00	NBR	LI	3542	---	GA	80,00	90,00	7,00	PU	LI
3389	---	BAG	90,00	115,00	12,50	NBR	LI	3543	---	GAE	90,00	100,00	7,5/11,0	PU	LI
3390	---	BGF	139,70	171,45	15,80	FPM	LI	3544	---	GA	90,00	100,00	7,00	PU	LI
3391	---	BAG	35,00	50,80	7,00	NBR	LI	3565	00014	BG	57,20	92,00	18,00	NBR	LI
3392	---	BA	38,10	55,55	9,00	NBR	LI	3566	---	AGBB	190,00	220,00	16,0/18,0	NBR	LI
3393	---	AGFV	35,00	50,00	11,00	NBR/PU	LI	3571	---	BAGF	82,50	107,95	9,50	FPM	LI
3394	---	AGBC	155,00	190,00	17,0/19,0	NBR	LI	3572	---	BAGG1	85,00	120,00	12,00	NBR	BI
3395	---	GAE	40,00	52,00	7,0/10,0	PU	LI	3573	---	BRGF	49,20	68,22	8,00	FPM	LI
3396	---	GAE	50,00	62,00	7,0/10,0	PU	LI	3581	00120	BAG	63,50	88,90	12,70	NBR	LI
3397	---	GAE	63,00	77,00	8,0/11,0	PU	LI	3583	---	BAG	82,50	101,60	9,50	NBR	LI



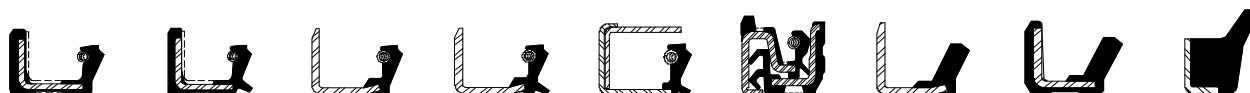
REFERÊNCIA AGEL

CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
3585	---	AGJA	120,00	152,40	11,0/23,5	NBR	LI	3951	---	BRG	40,00	62,00	7,00	NBR	LI
3588	---	AGBC	165,00	190,00	15,5/17,0	NBR	LI	3952	---	BR	42,00	68,00	10,00	NBR	LI
3615	---	AGBN	117,00	168,00	15,80	NBR	LI	3955	---	AGFW	82,55	107,95	9,50	FELTRO	LI
3679	---	GA	88,90	104,77	8,00	PU	LI	3988	---	AGBB	140,00	170,00	14,5/16,0	FPM	LI
3685	---	GA	125,00	138,00	4,00	PU	LI	3994	---	BRG	140,00	165,00	12,00	NBR	LI
3692	---	BRGG	80,00	100,00	12,00	NBR	BI	3996	---	BF	101,60	127,00	9,50	FPM	LI
3698	---	AGGK	25,40	42,86	9,50	PTFE	LI	4080	---	BA	66,60	97,00	13,00	NBR	LI
3699	---	AGGK	30,15	47,60	8,70	PTFE	LI	4098	---	BRF	108,00	130,00	13,00	FPM	LI
3700	---	AGGK	31,70	50,80	9,50	PTFE	LI	4099	---	BRF	110,00	140,00	13,00	FPM	LI
3701	---	AGGK	34,92	53,97	9,00	PTFE	LI	4102	---	B	94,00	120,00	13,00	NBR	LI
3702	---	BAGF	75,00	100,00	10,00	FPM	H	4126	---	AGJI	65,00	94,60	12,50	NBR	LI
3712	00891	BRG	69,80	92,00	14,20	NBR	LI	4128	---	BRG	95,00	120,00	13,00	NBR	LI
3713	---	AGBB1	165,00	195,00	16,5/18,0	NBR	LI	4137	01050	BR	60,40	79,35	9,30	NBR	LI
3727	02449	BRGF	122,20	140,80	12,00	FPM	AH	4144	---	AGBO	30,00	62,00	12,50	NBR	LI
3735	---	BRGF	44,50	63,50	8,00	FPM	LI	4152	---	BRG	30,00	40,00	6,00	NBR	LI
3736	---	AGFV	30,00	44,00	14,00	NBR/PU	LI	4163	---	GRF	80,00	105,00	13,00	FPM	LI
3737	---	AGGH	45,00	60,00	16,00	NBR/PU	LI	4171	---	BA	170,00	200,00	13,00	NBR	LI
3738	---	AGFV	45,00	65,00	18,50	NBR/PU	LI	4173	02797	AGJJ	25,00	38,00	14,50	FPM	LI
3740	---	BRGG	50,00	80,00	11,00	FPM	LI	4174	02336	AGJL	35,00	45,15	15,0/24,0	NBR	LI
3775	---	GA	45,00	55,00	4,00	NBR	LI	4177	---	BR	110,00	140,00	13,00	FPM PT	LI
3796	---	BRG	80,00	100,00	10,00	NBR	BI	4205	---	BG	92,00	123,80	16,00	NBR	LI
3820	---	GA	60,00	74,00	8,00	PU	LI	4210	00803	BRGS	110,00	130,00	13,00	MVQ	AH
3835	---	BRG	65,00	90,00	10,00	NBR	LI	4211	---	BRF	95,00	115,00	13,00	FPM	LI
3840	---	AGFM	70,00	115,00	13,0/17,0	FPM	BI	4215	---	BAGGEF	82,55	107,95	17,00	FPM	LI
3841	---	AGBE	130,00	160,00	15,5/20,0	NBR	LI	4218	---	GRF	95,00	115,00	13,00	FPM	LI
3842	---	AGBE	140,00	170,00	15,5/17,5	FPM	LI	4222	---	GGGX	50,00	80,00	8,30	NBR	LI
3849	05055	BRAGF	64,00	80,00	9,00	FPM	H	4242	---	AGK1	76,20	101,60	14,00	PU	LI
3854	---	BRGF	55,00	78,00	12,20	FPM	LI	4243	---	BRF	63,00	85,00	8,00	FPM	LI
3855	---	B	123,85	158,75	12,70	NBR	LI	4244	---	BRGF	95,00	120,00	12,00	FPM	LI
3857	02637	GR	70,00	85,00	7,00	NBR	LI	4247	---	BRGF	120,00	150,00	12,00	FPM	LI
3858	02636	GR	60,00	72,00	6,00	NBR	LI	4248	02868	BRGF	125,00	150,00	12,00	FPM	LI
3883	02643	GR	30,00	37,00	4,00	NBR	LI	4253	---	AGBA	167,80	198,00	17,00	NBR	BI
3886	---	GAE	57,00	70,00	5,0/8,0	NBR	LI	4283	---	BRG	55,00	90,00	10,00	NBR	LI
3887	---	BRGF	66,70	89,50	10,00	FPM	H	4286	---	AGJO	27,00	76,10	16,00	NBR	LI
3888	---	AGFH	69,85	139,70	13,5/30,0	NBR	LI	4293	01546	AGJQ	46,00	65,60	11,10	NBR	LI
3889	---	BG	60,30	88,90	17,80	NBR	LI	4299	02194	AGJU	101,60	127,00	16,00	NBR	LI
3895	---	AGFV	136,00	165,50	15,00	NBR/PU	LI	4301	---	AGBQ	89,00	123,00	23,00	NBR	LI
3899	---	BA	17,00	35,00	8,00	NBR	LI	4302	---	BRG	49,20	76,22	12,70	NBR	LI
3900	02010	BRG	25,00	47,00	7,00	NBR	LI	4306	---	BRGF	58,00	80,00	12,00	FPM	H
3933	02633	GR	40,00	50,00	4,00	NBR	LI	4307	02484	AGJR	88,90	122,90	19,00	NBR	BI



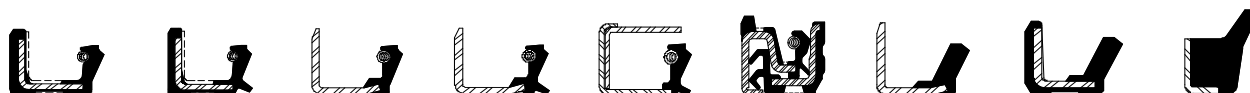
REFERÊNCIA AGEL

CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
4308	---	BRG	60,00	78,00	9,00	NBR	LI	4451	---	GA	90,00	105,00	4,00	PU	LI
4309	---	AGBA	121,80	150,00	13,00	NBR	LI	4453	---	GR	45,00	52,00	4,00	NBR	LI
4322	---	AGBA	136,80	165,00	13,00	NBR	LI	4455	---	BA	55,00	80,00	10,00	NBR	LI
4327	01392	BAG	60,00	80,00	12,00	NBR	LI	4460	---	BRGF	55,00	72,00	10,00	FPM	LI
4328	---	BR	82,00	100,00	10,00	NBR	LI	4461	---	GA	85,00	95,00	5,00	PU	LI
4329	---	BR	170,00	197,00	15,00	NBR	LI	4462	---	GA	60,00	70,00	5,00	PU	LI
4331	---	GA	65,00	80,00	5,00	PU	LI	4479	---	AGK1	50,00	68,25	10,50	PU	LI
4335	01160	BR	65,00	80,00	8,00	NBR	LI	4482	---	AGA	40,15	69,30	10,70	NBR	LI
4336	---	GA	44,45	63,50	9,50	PU	LI	4484	---	BRG	72,00	95,00	10,00	NBR	LI
4339	---	GAE	110,00	120,00	7,0/10,0	PU	LI	4486	---	GRF	110,00	140,00	13,00	PM/INO	LI
4362	---	GA	25,00	37,00	6,00	PU	LI	4489	---	BRGF	55,00	90,00	10,00	FPM	LI
4363	---	GA	65,00	79,00	7,00	PU	LI	4491	---	BR	45,00	75,00	10,00	NBR	LI
4364	---	BA	63,50	82,55	15,20	NBR	LI	4492	---	BRGGE	75,00	125,00	12,00	FPM	LI
4365	---	AGJS	75,00	100,00	13,00	NBR	LI	4493	---	GAE	38,00	53,00	5,0/8,0	NBR	LI
4376	---	BGF	140,00	170,00	16,00	FPM	LI	4496	00660	B	50,80	80,00	12,70	NBR	LI
4377	00025	B	85,70	119,00	12,70	NBR	LI	4498	---	BRG	55,00	78,00	12,20	NBR	LI
4386	---	AGGJ	47,00	65,00	16,50	NBR/PU	LI	4499	---	BR	95,00	115,00	13,00	NBR	LI
4391	---	BRF	130,00	160,00	15,00	FPM	LI	4500	00502	BR	140,00	170,00	13,00	NBR	LI
4397	---	BRF	95,00	110,00	9,00	FPM	LI	4501	00002	B	81,00	117,50	14,30	NBR	LI
4399	---	GGGX	73,00	95,25	7,30	NBR	LI	4502	---	AGBU	122,00	142,00	10,0/5,0	FPM	LI
4402	---	AGBO	65,00	96,90	12,70	NBR	LI	4510	00962	BRG	35,00	50,00	8,00	NBR	H
4403	---	GRF	85,00	110,00	12,00	FPM	LI	4513	01707	BRG	40,00	55,00	8,00	NBR	LI
4408	---	GAG	85,00	99,00	8,0/11,0	PU	LI	4514	01273	BAG	30,00	62,00	10,00	NBR	LI
4410	02115	BRG	122,20	140,80	11,80	MVQ	AH	4515	---	BRG	50,00	65,00	9,00	NBR	LI
4411	---	BRGS	133,30	158,75	11,00	MVQ	AH	4518	01980	BR	35,00	55,00	8,00	NBR	LI
4412	00085	BG	87,30	120,80	14,30	NBR	LI	4519	01515	BR	25,00	36,00	7,00	NBR	LI
4413	00516	BG	110,00	140,00	13,00	NBR	BI	4520	00715	BA	20,00	35,00	6,00	NBR	LI
4415	---	BG	78,00	110,00	13,00	NBR	LI	4523	---	B	101,60	127,00	9,50	FPM	LI
4417	02612	BRGF	122,20	140,80	11,80	FPM	AH	4525	---	BAG	44,00	80,00	12,00	NBR	LI
4418	---	BRG	55,00	80,00	10,00	NBR	LI	4526	02066	BAG	57,20	73,00	8,00	NBR	BI
4420	---	BAG	50,00	80,00	10,00	NBR	LI	4538	---	BAG	62,00	100,00	12,00	NBR	LI
4421	---	BAGF	50,00	90,00	10,00	FPM	LI	4548	---	BROF	110,00	130,00	13,00	FPM	LI
4425	---	BR	63,50	82,55	9,50	NBR	LI	4549	---	BRG	36,00	52,00	11,00	NBR	LI
4430	---	AGBB1	136,80	165,00	13,0/13,0	NBR	BI	4550	---	BRG	49,00	76,00	17,40	NBR	LI
4434	00164	BAG	65,00	90,00	13,00	NBR	LI	4551	---	BRG	78,00	100,00	13,00	NBR	LI
4439	---	BGF	63,50	82,55	11,10	FPM	LI	4552	---	AGJT	78,00	100,00	17,50	NBR	LI
4440	---	BA	34,93	53,97	7,94	NBR	LI	4553	---	AGJU	49,00	76,10	17,50	NBR	LI
4441	---	AGJY	50,80	73,00	7,0 / 11,5	NBR	LI	4554	---	AGJU	40,00	62,00	12,00	NBR	LI
4442	---	AGNV	50,80	70,00	7,50	NBR	LI	4557	02006	BAG	30,00	52,00	7,00	NBR	H
4446	02496	AGBR	127,00	158,75	16,00	NBR	LI	4564	---	GAG1	78,00	100,00	10,5/16,0	NBR	LI



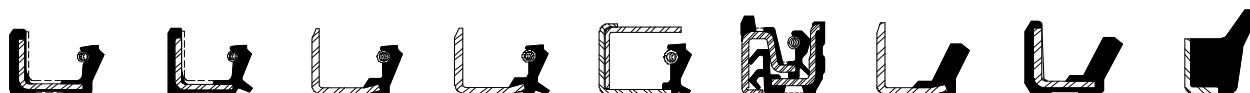
REFERÊNCIA AGEL

CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
4570	---	BRG	50,00	90,00	10,00	NBR	LI	4631	---	BRGF	80,00	100,00	10,00	FPM	BI
4571	01716	BR	22,00	35,00	7,00	NBR	LI	4632	---	BAG	47,62	69,85	7,90	NBR	LI
4572	01344	BR	45,00	64,95	12,00	NBR	LI	4633	---	B	90,00	140,00	13,00	NBR	LI
4573	01745	BR	40,00	55,15	10,00	NBR	LI	4634	---	GRG	30,00	72,00	20,00	NBR	LI
4575	00911	BRG	30,00	50,00	11,00	NBR	LI	4635	---	GRG	30,00	62,00	18,00	NBR	LI
4584	---	AGJU	59,00	85,60	17,50	NBR	LI	4636	01090	BRXE2	143,00	150,00	27,00	NBR	LI
4585	---	BRG	59,90	85,60	17,50	NBR	LI	4637	---	BR	195,00	225,00	15,00	NBR	LI
4588	01157	BRG	34,00	62,10	10,00	NBR	LI	4638	00866	BRG	70,00	100,00	10,00	NBR	LI
4589	00054	BR	28,60	39,70	9,50	NBR	LI	4639	---	GA	82,55	114,33	6,35	NBR	LI
4590	01551	BR	35,00	58,00	10,00	NBR	LI	4640	---	BROF	100,00	130,00	12,00	FPM	LI
4591	00310	BG	127,00	165,10	16,00	NBR	LI	4641	---	AGBS	50,00	100,00	7,50	NBR	LI
4592	00573	BG	74,00	114,00	11,00	NBR	LI	4643	---	GA	69,47	82,55	8,00	PU	LI
4593	---	BRG	49,20	70,00	16,00	NBR	LI	4645	---	GA	56,00	70,00	7,50	PU	LI
4594	01425	BAG	62,00	100,05	17,00	NBR	LI	4646	01043	BG	95,00	130,00	12,00	NBR	LI
4595	01864	BAG	54,00	76,20	12,70	NBR	LI	4647	---	AGGK	32,80	50,80	8,70	PTFE	LI
4596	---	BRG	54,00	73,00	16,00	NBR	LI	4648	---	GAGE	40,00	53,00	8,0/10,0	NBR	LI
4598	---	AGFA	70,00	79,00	5,00	NBR	LI	4649	---	GAGE	35,00	52,00	8,0/10,0	NBR	LI
4602	---	BRG	89,80	123,80	17,00	NBR	LI	4651	---	GAGE	38,00	53,00	8,0/10,0	NBR	LI
4603	---	BRG	63,00	90,00	15,00	NBR	LI	4652	07840	BRAG	105,00	130,00	12,00	FPM	AH
4604	---	BAS	49,20	68,30	8,00	MVQ	LI	4654	---	BRF	52,00	68,00	8,00	FPM	H
4605	00804	BRG	55,00	75,00	10,00	NBR	LI	4655	---	BAGF	55,00	75,00	8,00	FPM	H
4606	---	BRG	44,50	62,00	10,00	NBR	LI	4657	00913	BR	40,00	80,10	10,00	NBR	LI
4607	00964	BG	55,00	90,00	12,50	NBR	LI	4658	---	BRGF	47,60	63,50	7,94	FPM	LI
4608	00763	BRG	24,00	47,00	7,00	NBR	LI	4659	02672	BRGE1	30,00	72,00	6,50	NBR	BI
4609	00761	BRG	22,00	40,00	7,00	NBR	LI	4660	00033	BG	35,00	63,50	12,70	NBR	LI
4610	02035	AGJU	79,00	110,00	17,40	NBR	LI	4662	---	AGBR	87,30	120,78	15,37	NBR	LI
4611	---	GA	101,60	117,47	7,94	PU	LI	4663	---	BRG	47,60	89,85	12,00	NBR	LI
4613	01721	BRG	100,00	130,00	12,00	NBR	LI	4666	---	GA	82,55	98,43	7,94	PU	LI
4615	00019	BRG	38,10	63,50	12,70	NBR	LI	4667	---	BRG	56,00	90,00	13,00	NBR	LI
4616	---	BRGF	50,00	82,00	12,00	FPM	H	4669	---	AGGL	110,00	125,00	9,00	PU	LI
4617	---	BRGE	90,00	10,0/154,0	13,00	FPM	AH	4670	02868	BRG	125,00	150,00	13,00	NBR	BI
4618	---	BAGGF	85,70	111,15	12,70	FPM	BI	4671	02580	BAG	44,45	63,50	12,70	NBR	BI
4619	---	BG	88,90	114,33	11,89	NBR	LI	4672	---	BRG	44,20	71,45	14,80	NBR	H
4620	---	GRF	70,00	100,00	7,00	FPM	LI	4673	---	BAG	76,20	110,00	9,50	NBR	LI
4622	---	BRG	75,90	95,00	11,30	NBR	LI	4674	01017	BR	49,00	75,00	11,00	NBR	LI
4623	---	BRGE	90,00	10,0/170,0	11,00	FPM	AH	4675	---	BAG	60,00	80,00	13,00	NBR	LI
4627	---	BRF	48,00	65,00	10,00	FPM	H	4676	---	GA	88,90	104,77	7,94	PU	LI
4628	---	BRG	35,00	47,05	10,00	NBR	LI	4677	02894	AGBR	106,50	140,00	15,00	NBR	LI
4629	---	BG	158,75	196,85	12,70	NBR	LI	4678	00334	BAGE	60,30	92,00	12,0/18,0	NBR	BI
4630	---	BRG	50,00	90,00	8,00	NBR	LI	4679	---	BAG	55,60	107,95	12,70	NBR	LI



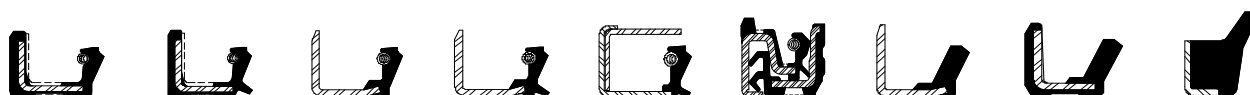
REFERÊNCIA AGEL

CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
4684	00128	BR	44,50	66,65	12,70	NBR	LI	4791	---	BR	19,00	29,00	6,50	NBR	LI
4685	00900	BRG	80,00	110,00	12,00	NBR	LI	4792	00618	BAG	85,00	110,00	14,00	NBR	LI
4689	---	BAG	39,20	66,65	7,90	NBR	LI	4795	---	AGBB1	170,00	200,00	15,0/16,0	FPM	LI
4690	---	BAG	39,70	60,30	7,90	NBR	LI	4798	---	AGJB	70,00	90,00	9,0/11,0	NBR	LI
4691	---	AGBD	160,00	196,00	14,0/17,0	NBR	LI	4799	---	BRGF	95,30	114,25	11,00	FPM	LI
4694	01874	BRXE2	74,50	80,10	22,00	NBR	LI	4809	---	GA1	80,00	95,00	8,00	PU	LI
4695	---	AGJB	56,00	70,00	8,0/10,0	NBR	LI	4810	---	GA1	70,00	85,00	8,00	PU	LI
4698	---	AGFV	39,70	54,00	12,70	FPM/PU	LI	4811	---	GA	100,00	120,00	10,00	PU	LI
4699	---	AGK1	210,00	237,00	16,00	PU	LI	4819	---	BRGF	40,00	80,10	10,00	FPM	LI
4700	00116	BG	73,00	101,60	12,70	NBR	LI	4836	---	GA	50,00	60,00	5,00	PU	LI
4701	---	BRG	35,00	65,00	12,00	NBR	LI	4839	---	GAG	112,00	124,00	7,0/10,0	PU	LI
4702	---	BRG	56,00	92,00	12,00	NBR	LI	4841	---	BA	73,50	95,00	9,00	NBR	LI
4711	01806	BRXE3	143,30	150,00	39,50	NBR	LI	4842	---	BG	50,00	81,00	11,90	NBR	LI
4719	---	BG	57,15	88,90	12,70	NBR	LI	4844	---	AGBB1	65,00	92,00	10,0/15,0	NBR/FPM	LI
4723	---	AGBD	178,00	205,00	17,0/21,0	NBR	LI	4846	---	AGK1	70,00	90,50	14,00	PU	LI
4736	01805	AGJA2	100,00	128,00	15,0/25,0	NBR	LI	4847	---	BRG	60,00	80,00	8,50	NBR	LI
4740	---	BRAG	60,00	95,00	12,00	NBR	BI	4848	---	BRG	25,40	50,00	7,50	NBR	LI
4741	01999	BRGG	34,00	72,00	10,00	NBR	LI	4851	---	BRG	25,40	52,00	7,00	NBR	LI
4745	---	BRAG	90,00	115,00	13,00	FPM	AH	4859	---	BRGF	120,00	140,00	13,00	FPM	LI
4746	---	BRO	130,00	160,00	12,00	MVQ	LI	4860	---	AGK2	80,00	95,00	6,00	PU	LI
4747	---	AGBB	127,00	160,00	15,5/17,5	NBR	LI	4861	---	AGK2	70,00	85,00	6,00	PU	LI
4748	00421	BAGG	73,00	101,60	11,50	NBR	BI	4862	---	AGK2	65,00	80,00	6,00	PU	LI
4749	00284	BR	35,00	55,50	6,40	NBR	LI	4863	---	GA	85,00	100,00	8,00	PU	LI
4750	---	BRG	35,00	80,00	10,00	NBR	LI	4873	---	AGK2	79,90	95,00	10,70	PU	LI
4754	---	BRGF	57,00	85,00	12,00	FPM	LI	4887	---	GA1	44,45	57,15	6,35	PU	LI
4757	---	B	88,90	146,07	14,30	NBR	LI	4888	01116	BRG	40,00	60,00	10,00	NBR	LI
4758	---	BG	152,40	177,85	12,70	NBR	LI	4890	---	GA1	110,00	130,00	8,00	PU	LI
4759	---	AGBB1	178,00	208,00	14,5/18,0	NBR	LI	4891	---	GA	45,00	55,00	5,00	PU	LI
4763	---	AGBL1	80,00	100,00	14,00	NBR	LI	4892	---	GA	85,00	100,00	5,00	PU	LI
4765	---	BG	66,70	92,00	11,00	FPM	LI	4895	---	AGFV	46,15	80,00	16,50	NBR/PU	LI
4766	---	BROF	90,00	120,00	13,00	FPM	LI	4896	---	GA	70,00	83,50	6,00	PU	LI
4774	---	SLPPB	80,00	130,20	12,0/20,0	FPM	BI	4899	---	BAG	47,62	69,85	7,90	MVQ	LI
4775	00046	BR	75,00	95,10	13,00	NBR	LI	4902	---	BRG	60,00	80,00	8,00	NBR	LI
4782	---	BRGF	45,00	75,00	8,00	FPM	LI	4903	01109	BR	40,00	62,00	11,50	NBR	LI
4783	---	BRG	45,00	75,00	8,00	NBR	LI	4906	---	GA	119,85	140,00	8,00	PU	LI
4784	---	GAE	75,00	90,00	5,0/7,0	PU	LI	4908	---	GA	40,00	50,00	5,00	PU	LI
4785	---	GAE	100,00	116,00	8,0/10,0	PU	LI	4909	---	GA	45,00	60,00	4,00	PU	LI
4786	---	BRG	35,00	52,00	7,00	NBR	LI	4910	---	GA	75,00	90,00	5,00	PU	LI
4787	---	BR	35,00	52,00	7,00	NBR	LI	4911	---	GA	90,00	106,00	8,00	PU	LI
4789	00946	BR	50,00	70,00	10,00	NBR	LI	4912	---	AGK2	80,00	100,00	6,00	PU	LI



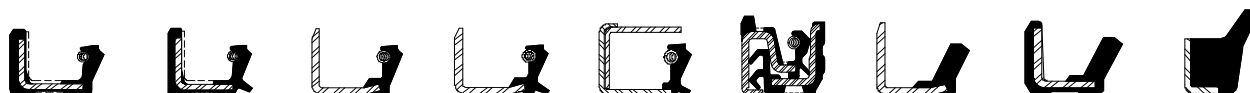
REFERÊNCIA AGEL

CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
4913	---	GAE	55,00	65,00	5,0/7,0	PU	LI	4995	---	GA	90,00	110,00	8,00	PU	LI
4914	---	GA	65,00	80,00	7,50	PU	LI	5011	---	GR	35,00	45,00	4,00	NBR	LI
4915	---	GA	63,00	75,00	7,90	PU	LI	5130	---	BRF	35,00	52,00	7,00	FPM	LI
4916	---	GA	50,00	64,00	7,90	PU	LI	5154	00994	BRG	20,00	40,00	7,00	NBR	LI
4917	---	AGK2	75,00	95,00	7,00	PU	LI	5170	---	GA	25,40	31,70	3,20	NBR	LI
4918	---	AGK2	65,00	85,00	6,00	PU	LI	5171	---	GA	45,00	55,00	3,20	PU	LI
4926	---	AGK2	70,00	85,00	8,00	PU	LI	5187	---	BAG	19,00	31,70	6,30	NBR	LI
4927	---	GA	110,00	125,00	8,00	PU	LI	5188	---	BR	28,50	47,60	9,00	NBR	LI
4928	---	GA	110,00	120,00	7,00	PU	LI	5218	---	GAE	32,00	45,00	4,0/8,0	NBR	LI
4929	---	GA	90,00	104,00	8,00	PU	LI	5220	00888	GA	19,00	25,40	3,50	NBR	LI
4930	---	GA	70,00	80,00	4,00	PU	LI	5224	---	BR	15,80	25,40	5,50	NBR	LI
4931	---	GA	50,00	65,00	4,00	PU	LI	5231	---	GA	28,60	41,30	9,00	NBR	LI
4942	---	GA	109,85	130,00	8,00	PU	LI	5233	00329	BR	19,00	28,60	6,30	NBR	LI
4944	---	GA1	100,00	116,00	8,00	PU	LI	5278	---	BRGF	48,00	62,00	8,00	FPM	BI
4945	---	BF	106,35	130,18	12,70	FPM	LI	5313	---	AGJD	31,70	44,50	4,5/6,0	NBR	LI
4946	---	GAE	57,15	73,00	6,3/8,5	PU	LI	5325	---	AGFU	19,00	26,00	5,50	NBR	LI
4948	---	GA	120,00	150,00	12,00	PU	LI	5352	---	BRGF	60,30	82,55	11,10	FPM	H
4949	---	GA	60,00	75,00	5,00	PU	LI	5459	---	BRG	20,00	35,00	7,00	NBR	LI
4955	---	GA	60,00	75,00	6,00	PU	LI	5468	---	BR	30,00	62,00	7,00	NBR	LI
4957	---	BRG	120,00	150,00	13,00	NBR	LI	5470	---	GA	40,00	55,00	9,00	NBR	LI
4963	---	GA	35,00	45,00	5,00	PU	LI	5477	01724	BAGF	27,00	42,70	7,90	FPM	LI
4964	---	GA	55,00	70,00	6,00	PU	LI	5479	---	BAG	32,80	50,80	8,00	NBR	LI
4965	---	GA	100,00	116,00	8,00	PU	LI	5514	---	BAG	17,00	25,00	4,00	NBR	LI
4966	---	K7	234,95	268,75	17,5/23,0	NBR	LI	5516	---	BRG1	25,50	40,00	7,0/10,0	NBR	LI
4967	---	AGK2	80,00	95,00	7,50	PU	LI	5526	---	BRF	80,00	100,00	7,00	FPM	LI
4968	---	GA	75,00	85,00	6,00	PU	LI	5555	02963	BROF	17,00	30,00	7,00	FPM	LI
4973	---	GA1	90,00	106,00	8,00	PU	LI	5599	---	BAG	22,20	34,92	6,30	NBR	LI
4974	---	GA	95,00	110,00	8,00	PU	LI	5604	02357	BA	22,20	31,70	6,00	NBR	LI
4975	---	GA	140,00	160,00	8,00	NBR	LI	5605	---	BAG	28,00	41,00	6,30	NBR	LI
4976	---	GA	150,00	180,00	8,00	NBR	LI	5608	02265	GA	25,00	32,00	4,00	NBR	LI
4978	---	AGK2	90,00	105,00	5,00	PU	LI	5609	02355	BA	28,60	41,30	6,30	NBR	LI
4979	---	AGK2	95,00	110,00	5,00	PU	LI	5610	00497	BRGF	90,00	120,00	13,00	FPM	LI
4980	---	AGK2	100,00	115,00	5,00	PU	LI	5611	01526	BRG	35,00	46,45	6,40	NBR	LI
4981	---	AGK2	105,00	120,00	5,00	PU	LI	5633	---	GAE	15,00	25,00	5,0/8,0	PU	LI
4982	---	AGK2	110,00	125,00	5,00	PU	LI	5643	---	BRG	32,00	44,00	8,00	NBR	LI
4983	---	AGK2	115,00	130,00	5,00	PU	LI	5649	---	BRGF	40,00	62,00	7,00	FPM	LI
4984	---	AGK2	120,00	135,00	5,00	PU	LI	5651	---	BRG	28,60	41,20	7,00	NBR	BI
4986	---	GA	103,00	116,00	4,00	PU	LI	5653	---	BRGF	21,00	33,00	8,00	FPM	LI
4987	---	AGK2	110,00	130,00	10,00	PU	LI	5657	---	BRGF	40,00	55,00	6,00	FPM	LI
4988	---	GA	90,00	105,00	8,00	PU	LI	5663	---	GA	28,60	38,10	5,00	NBR	LI



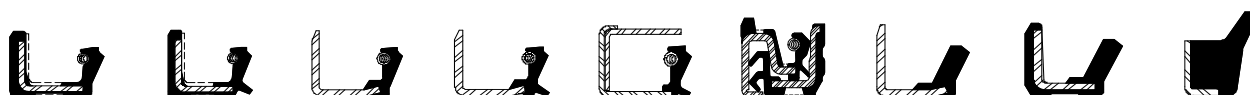
REFERÊNCIA AGEL

CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
5666	02010	BR	25,00	47,00	7,00	NBR	LI	5943	---	BA	44,00	55,00	7,00	NBR	LI
5667	00563	BR	54,00	72,00	8,00	NBR	LI	5960	01539	GA	28,60	34,90	3,20	NBR	LI
5668	---	BRG	28,00	37,00	7,00	NBR	LI	5968	---	GR	20,00	47,00	7,00	HNBR	LI
5669	01295	GR	25,00	40,00	5,00	NBR	LI	5985	---	AGK1	55,00	74,00	10,50	PU	LI
5670	---	BR	26,00	39,00	5,30	NBR	LI	6000	02715	GA	22,20	28,60	3,20	NBR	LI
5671	---	BR	40,00	65,00	10,00	NBR	LI	6024	---	BRF	85,00	110,00	12,00	FPM	LI
5672	02744	AGBO	30,00	52,00	10,00	NBR	LI	6071	---	GA	52,00	65,00	8,00	PU	LI
5673	---	BRG	28,58	50,80	6,35	NBR	LI	6085	---	AGD	19,00	46,50	6,50	FPM	LI
5678	00569	BRG	19,00	31,70	6,40	NBR	LI	6095	---	BRGF	27,00	38,10	9,00	FPM	LI
5686	---	AGBP	62,00	78,00	14,00	NBR	LI	6112	---	GA	48,00	57,00	5,50	NBR	LI
5703	---	BRG	18,00	30,00	9,50	NBR	LI	6120	---	BRGF	35,00	55,00	11,00	FPM	H
5704	---	BRG	32,00	45,00	9,50	NBR	LI	6123	---	GAE	65,00	75,00	7,0/10,0	PU	LI
5705	---	BR	35,00	47,00	7,00	FPM	LI	6144	---	GAG	50,00	62,00	7,0/10,0	PU	LI
5716	00906	BR	70,00	85,00	8,00	NBR	LI	6154	---	BAG	34,90	57,40	6,50	NBR	LI
5724	---	BRGF	45,00	62,00	7,00	FPM	LI	6155	---	GRF	10,00	26,50	3,70	FPM	LI
5725	---	BRGF	50,00	72,00	8,00	FPM	LI	6164	---	GAE	32,00	42,00	7,0/10,0	NBR	LI
5727	02454	BRG	15,00	25,00	6,00	NBR	LI	6173	---	BRG	34,00	47,00	7,00	NBR	LI
5728	01072	BRG	17,00	28,00	6,50	NBR	LI	6181	02148	BRG	25,00	40,00	9,00	NBR	LI
5733	---	AGJC	23,00	32,00	4,50	NBR	LI	6190	---	GA	54,00	63,50	5,00	PU	LI
5738	---	BRG	20,00	32,00	6,50	NBR	LI	6194	---	GAG	35,00	45,00	6,5/9,0	NBR	LI
5742	---	BRG	20,00	36,00	6,30	NBR	LI	6195	---	GAG	35,00	47,00	6,5/9,0	NBR	LI
5743	01058	BR	15,00	35,00	7,00	NBR	LI	6196	---	GAE	55,60	65,10	7,5/10,0	PU	LI
5747	00906	BR	70,00	85,00	8,00	MVQ	LI	6197	---	GA	40,00	50,00	3,00	NBR	LI
5755	01724	BAG	27,00	42,90	7,90	NBR	LI	6198	---	GA	50,00	60,00	4,00	NBR	LI
5767	02051	BR	38,00	54,00	10,00	NBR	LI	6209	---	GA	34,92	47,62	8,00	NBR	LI
5838	02525	BRAGF	26,00	42,00	8,00	FPM	H	6211	---	GA	46,00	70,00	6,50	NBR	LI
5839	02317	BRGF	31,00	50,00	8,00	FPM PT	H	6219	01543	BR	25,00	35,00	7,00	NBR	LI
5840	00789	BRG	35,00	50,00	9,00	NBR	H	6220	---	BRF	25,00	35,00	5,00	FPM	LI
5845	---	GA	35,00	42,00	3,50	NBR	LI	6221	---	BRG	32,00	47,00	10,00	NBR	BI
5846	---	BR	35,00	52,00	5,00	NBR	LI	6234	---	GR	27,00	33,30	3,20	NBR	LI
5852	---	BAGGEF	52,35	76,20	9,53	FPM	LI	6235	---	GR	27,00	37,30	3,20	NBR	LI
5877	---	GA	22,20	34,92	8,00	PU	LI	6258	---	AGGG	34,92	50,80	12,00	MVQ/FPM	LI
5900	---	BRF	19,00	28,60	6,40	FPM	LI	6264	01356	BAG	25,40	38,10	6,30	NBR	LI
5910	00288	BR	42,00	56,00	7,00	NBR	LI	6269	01254	BAG	20,70	34,85	11,90	NBR	LI
5916	---	AGJE	20,00	35,00	2,80	NBR	LI	6286	---	AGFZ	22,00	33,00	2,20	NBR	LI
5931	---	GA	41,28	47,62	3,20	NBR	LI	6295	---	BR	28,20	38,10	6,00	NBR	LI
5932	---	GR	41,28	53,98	4,00	NBR	LI	6308	02641	GRF	20,00	28,00	4,00	FPM	LI
5939	---	GA	25,40	38,10	8,00	PU	LI	6309	02588	GRF	25,00	32,00	4,00	FPM	LI
5940	---	GA	31,75	52,40	9,50	NBR	LI	6310	---	GRF	30,00	37,00	4,00	FPM	LI
5941	---	GA	38,00	54,00	8,00	NBR	LI	6311	02632	GRF	35,00	42,00	4,00	FPM	LI



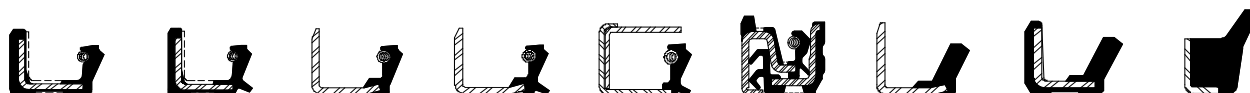
REFERÊNCIA AGEL

CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
6312	02640	GRF	17,00	25,00	3,00	FPM	LI	6436	01495	BR	28,00	40,00	7,00	NBR	LI
6313	02639	GRF	15,00	23,00	3,00	FPM	LI	6437	02813	BRG	30,00	52,00	8,00	NBR	LI
6314	02633	GRF	40,00	50,00	4,00	FPM	LI	6438	---	AGFT	53,97	73,02	11,00	PU	LI
6315	02634	GRF	45,00	55,00	4,00	FPM	LI	6446	---	BR	35,00	45,00	7,00	FPM	LI
6316	02635	GRF	55,00	65,00	5,00	FPM	LI	6447	---	BRF	40,00	56,00	8,00	FPM	LI
6317	02636	GRF	60,00	72,00	6,00	FPM	LI	6448	---	BRF	55,00	70,00	8,00	FPM PT	LI
6318	02637	GRF	70,00	85,00	7,00	FPM	LI	6449	---	BRF	60,00	75,00	8,00	FPM/INOX	LI
6319	---	GRF	80,00	100,00	10,00	FPM	LI	6450	---	BRF	80,00	100,00	10,00	FPM/INOX	LI
6320	00790	BRF	15,00	24,00	7,00	FPM	LI	6470	---	BR	30,00	37,00	4,00	NBR	LI
6321	02701	BRF	17,00	28,00	5,00	FPM	LI	6482	---	BA	32,76	50,80	7,90	NBR	LI
6322	---	BRF	12,00	28,00	7,00	FPM/INOX	LI	6483	---	BRF	40,00	56,00	8,00	FPM	LI
6323	---	BR	17,00	30,00	7,00	FPM/INOX	LI	6484	02639	GR	15,00	23,00	3,00	NBR	LI
6324	00712	BRF	20,00	32,00	6,00	FPM	LI	6490	00790	BR	15,00	24,00	7,00	NBR	LI
6325	---	BR	25,00	35,00	7,00	FPM/INOX	LI	6491	00501	BR	60,00	75,00	8,00	NBR	LI
6326	01535	BRF	30,00	40,00	7,00	FPM	LI	6492	00712	BR	20,00	32,00	6,00	FPM	LI
6327	---	BRF	35,00	45,00	7,00	FPM	LI	6493	---	BRG	36,60	50,80	8,00	NBR	LI
6328	---	BRF	35,00	52,00	7,00	FPM	LI	6505	---	BA	12,00	18,00	6,00	NBR	LI
6329	00880	BRF	40,00	56,00	8,00	FPM	LI	6515	---	BRGG	30,00	47,00	10,00	NBR	LI
6331	01181	BRF	55,00	70,00	8,00	FPM	LI	6516	01340	BR	50,00	68,00	10,00	NBR	LI
6332	00501F	BRF	60,00	75,00	8,00	FPM	LI	6517	---	BRGG	28,50	38,10	10,00	NBR	LI
6333	00906	BRF	70,00	85,00	8,00	FPM	LI	6518	01109	BR	40,00	62,00	11,50	NBR	LI
6334	00610F	BRF	80,00	100,00	10,00	FPM	LI	6519	00701	B	30,00	50,75	11,00	NBR	LI
6335	---	BRF	95,00	115,00	13,00	FPM	LI	6520	00131	BR	30,00	47,00	10,00	NBR	LI
6336	---	BRF	110,00	140,00	13,00	FPM/INOX	LI	6521	00784	BRG	19,00	35,00	7,00	NBR	LI
6340	---	BRF	125,00	150,00	12,00	FPM	LI	6522	001535	BRG	30,00	40,00	7,00	NBR	LI
6342	00916	BAG	15,00	28,00	7,00	NBR	LI	6523	01988	BRG	40,00	52,00	7,40	NBR	LI
6343	---	BRF	120,00	150,00	12,00	FPM	LI	6535	---	GA	60,00	67,00	4,00	NBR	LI
6355	---	BR	26,00	35,00	7,00	NBR	LI	6536	---	BR	60,00	80,00	7,00	NBR	BI
6365	---	AGFT	44,45	61,90	11,00	PU	LI	6538	00801	BRG	32,00	52,10	10,00	NBR	LI
6366	---	AGFK	28,00	42,00	11,00	NBR/PU	LI	6542	---	BRGS	49,20	68,22	8,00	MVQ	LI
6373	02632	GR	35,00	42,00	4,00	NBR	LI	6549	---	BRG	30,00	37,00	4,00	NBR	LI
6379	02634	GR	45,00	55,00	4,00	NBR	LI	6550	---	BRG	35,00	45,00	7,00	NBR	LI
6380	02635	GR	55,00	65,00	5,00	NBR	LI	6551	02677	BRG	70,00	85,00	8,00	NBR	LI
6383	---	BAF	28,60	47,60	6,35	FPM	LI	6552	---	BRGF	32,00	42,00	8,00	FPM	H
6384	---	BAF	34,90	52,40	8,00	FPM	LI	6553	---	BRG	12,00	28,10	7,00	NBR	LI
6414	---	BRAGF	27,00	37,00	7,00	FPM PT	H	6581	---	BRF	30,00	40,00	5,00	FPM	LI
6415	05074	BRAGF	30,00	43,00	8,00	FPM	H	6582	02638	GR	12,00	18,00	3,00	NBR	LI
6431	01420	BR	12,00	28,10	7,00	NBR	LI	6583	---	GRF	12,00	18,00	3,00	FPM	LI
6432	00712	BR	20,00	32,00	6,00	NBR	LI	6584	01420	BRF	12,00	28,10	7,00	FPM	LI
6435	01556	BR	25,00	40,00	8,00	NBR	LI	6585	00726	BR	16,30	24,00	7,00	NBR	LI



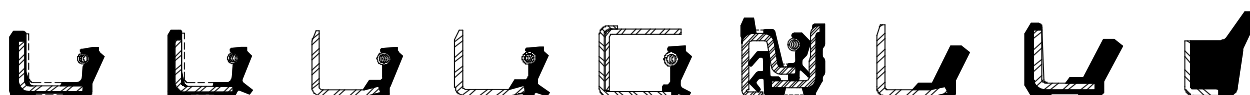
REFERÊNCIA AGEL

CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
6586	02640	GR	17,00	25,00	3,00	NBR	LI	6869	---	AGJN	47,00	65,00	9,00	EPDM	LI
6587	02161	BR	17,00	25,00	4,00	NBR	LI	6873	---	AGJP	21,00	38,00	20,70	NBR	LI
6588	02161	BRF	17,00	25,00	4,00	FPM	LI	6881	01550	BRG	55,00	72,00	10,00	NBR	LI
6589	02641	GR	20,00	28,00	4,00	NBR	LI	6904	---	GA	28,60	35,00	4,00	NBR	LI
6590	00505	BR	20,00	30,00	7,00	NBR	LI	6909	---	BRG	45,00	62,00	7,00	NBR	LI
6591	00712	BR	20,00	32,00	6,00	NBR	LI	6940	02701	BR	17,00	28,00	5,00	NBR	LI
6592	02642	GR	25,00	32,00	4,00	NBR	LI	6941	00880	BR	40,00	56,00	8,00	NBR	LI
6594	01543	BRF	25,00	35,00	7,00	FPM	LI	6942	01181	BR	55,00	70,00	8,00	NBR	LI
6595	02568	BRG	26,00	35,00	7,00	NBR	LI	6944	---	B	38,10	54,00	12,00	NBR	H
6596	---	BRF	30,00	37,00	4,00	FPM	LI	6963	---	BBRG	45,00	68,00	12,00	NBR	LI
6597	---	BRGF	30,00	47,00	6,00	PM/INOX	LI	6964	01964	BAG	28,60	38,10	6,50	NBR	LI
6600	---	BRG	32,00	42,00	7,00	NBR	LI	6965	02099	BA	36,00	54,00	7,00	NBR	LI
6601	---	GRF	35,00	45,00	7,00	FPM	LI	6966	---	BAGF	28,00	41,00	6,60	FPM	LI
6602	---	BRF	45,00	55,00	6,00	FPM	LI	6967	00734	BR	44,50	57,15	9,40	NBR	LI
6603	---	BRF	45,00	62,00	7,00	FPM	LI	6968	02529	BRG	55,00	80,00	8,00	NBR	LI
6604	---	BRF	45,00	62,00	7,00	FPM PT	LI	6969	---	BAG	60,00	90,00	13,00	NBR	LI
6605	---	BRF	50,00	60,00	6,00	FPM	LI	6970	02530	BRG	65,00	85,00	10,00	NBR	LI
6606	01422	BR	50,00	65,00	8,00	NBR	LI	6971	---	BR	66,70	92,00	12,00	NBR	H
6607	---	BRF	70,00	85,00	7,00	FPM	LI	6973	01549	BRG	100,00	125,00	12,00	NBR	LI
6609	---	BRF	85,00	110,00	7,50	FPM	LI	6974	---	BRO	100,00	125,00	15,00	NBR	LI
6610	02574	BRF	90,00	110,00	12,00	FPM	LI	6980	---	BRG	62,00	85,00	8,00	NBR	LI
6611	---	BRF	95,00	115,00	11,80	FPM	LI	6994	02234	BRG	30,00	42,00	10,00	NBR	LI
6622	---	BRF	15,00	23,00	3,00	FPM PT	LI	9003	---	BR	16,00	28,00	5,50	NBR	LI
6628	02794	BRAGF	38,00	50,00	8,00	FPM	LI	9013	---	BRG	29,00	45,00	9,50	NBR	LI
6639	---	AGGI	39,95	62,00	7,50	NBR/PTFE	LI	9066	---	BRGF	29,00	43,00	8,00	FPM	LI
6646	---	BRAG	28,50	38,10	8,00	NBR	LI	9072	---	GRF	33,30	46,00	5,00	FPM/PTFE	LI
6651	---	GRS	40,00	50,00	4,00	MVQ	LI	9073	---	GR	33,30	39,70	3,50	NBR	LI
6656	---	BR	35,00	47,00	7,00	NBR	LI	9093	---	GR	30,00	62,00	7,00	HNBR	LI
6657	00610	BR	80,00	100,00	10,00	NBR	LI	9094	---	GAE	30,00	42,00	5,0/8,0	PU	LI
6680	02153	BRG	29,40	42,85	8,00	NBR	LI	9097	---	GAE	30,00	40,00	5,0/8,0	PU	LI
6711	---	AGGQ1	15,50	30,80	11,50	NBR	LI	9104	---	GAGE	30,00	44,00	8,0/10,0	NBR	LI
6736	---	BRG	30,00	47,00	7,00	NBR	LI	9124	---	BR	28,00	40,00	7,50	NBR	LI
6781	---	BRF	40,00	50,00	6,00	FPM	LI	9137	---	BR	16,00	24,00	6,00	NBR	LI
6809	01973	GA	50,00	58,00	4,00	NBR	LI	9144	---	GRF	25,00	52,00	7,00	FPM	LI
6813	---	BRG	57,00	70,00	5,00	NBR	LI	9171	---	BRGF	30,00	62,00	10,00	FPM	LI
6830	---	GA	31,75	42,92	5,00	NBR	LI	9173	---	BR	21,00	31,00	6,20	NBR	LI
6835	03025	BRGF	25,00	35,00	6,00	FPM	H	9180	---	GA	19,00	31,70	6,30	NBR	LI
6838	---	AGFE	35,00	52,00	3,50	NBR	LI	9215	---	GAG	45,00	59,00	8,0/13	PU	LI
6864	---	GR	28,60	35,00	4,00	NBR	LI	9220	---	GRS	20,00	28,00	4,00	MVQ	LI
6865	---	BR	28,60	42,00	5,60	NBR	LI	9266	---	BAG	25,40	38,10	7,90	NBR	LI



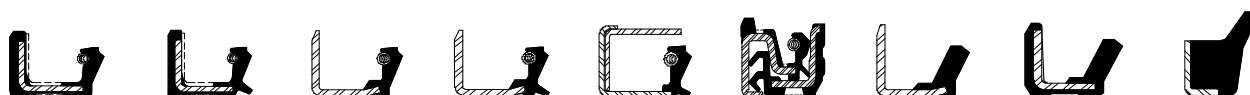
REFERÊNCIA AGEL

CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
9278	---	GAE	22,20	31,80	4,8/7,0	NBR	LI	9800	---	GA	34,92	44,45	4,76	PU	LI
9364	---	K7	33,30	57,50	10,50	NBR	LI	9804	02335	BAG	15,90	22,20	4,30	NBR	LI
9365	---	GR	33,30	46,00	4,00	HNBR	LI	9805	---	BRG	19,00	29,80	5,00	NBR	LI
9382	---	GR	25,00	32,00	7,00	NBR	LI	9810	---	BR	26,00	35,00	5,00	NBR	LI
9383	---	BBRG	50,00	72,00	12,00	NBR	LI	9811	01072	BR	17,00	28,00	6,00	NBR	LI
9388	---	GR	30,20	42,00	6,00	NBR	LI	9814	---	AGJK	14,00	22,00	5,0/7,0	NBR	LI
9400	---	BR	28,00	38,00	7,00	NBR	LI	9818	01993	BR	27,00	38,10	6,40	NBR	LI
9408	---	GRS	35,00	42,00	4,00	MVQ	LI	9826	---	GAE	35,00	45,00	7,0/9,5	NBR	LI
9422	00285	BA	27,00	38,10	6,40	NBR	LI	9850	01875	BR	14,00	32,00	10,00	NBR	LI
9438	---	GR	20,00	28,00	4,00	HNBR	LI	9851	01873	GRE	30,50	38,00	7,90	NBR	LI
9455	---	BR	75,00	100,00	10,00	NBR	LI	9882	---	GA	10,00	15,30	2,00	NBR	LI
9467	---	BBRG	38,00	58,00	12,00	NBR	LI	9916	---	BRGF	36,50	47,60	6,35	FPM	LI
9475	01949	BRG	35,00	62,00	10,00	FPM	LI	9938	00289	BAG	12,00	22,00	7,00	NBR	LI
9491	---	BROF	17,40	28,42	7,70	FPM	LI	9950	---	BR	25,40	36,50	8,60	NBR	LI
9497	---	BR	12,00	22,00	7,00	NBR	LI	9951	---	BR	10,00	18,00	6,00	NBR	LI
9526	---	GRS	30,00	62,00	7,00	MVQ	LI	9952	---	BR	19,00	30,00	7,00	NBR	LI
9527	---	BRS	12,00	28,00	7,00	MVQ	LI	9953	---	BR	25,00	33,00	6,00	NBR	LI
9528	---	BR	80,00	100,00	7,00	NBR	LI	9965	00286	BR	15,90	25,40	4,50	NBR	LI
9555	---	GR	12,00	18,00	3,00	HNBR	LI	9967	---	BR	12,70	28,65	6,50	NBR	LI
9558	---	GAEF	16,00	26,00	5,0/8,0	FPM	LI	9998	---	GA	32,00	45,00	5,50	PU	LI
9572	---	BRG	30,00	44,00	6,00	NBR	LI	9999	---	BR	35,00	42,00	4,00	NBR	LI
9576	02096	BA	30,00	37,00	4,00	NBR	LI	AG4848	---	BRG	60,00	80,00	8,50	NBR	LI
9581	---	GR	18,00	24,00	3,00	NBR	LI	AG7006	---	BAG	24,00	38,00	6,30	NBR	LI
9589	---	BAF	30,00	37,00	4,00	FPM	LI	AG7007	---	BAG	32,50	50,80	8,00	NBR	LI
9645	---	AGJK	12,00	20,00	4,0/6,0	NBR	LI	AG7009	---	GA	57,35	72,85	6,35	PU	LI
9650	---	BRF	18,00	30,00	6,00	FPM	LI	AG7026	---	BRG	85,00	100,00	9,00	NBR	LI
9655	---	BR	17,40	28,50	6,20	NBR	LI	AG7042	---	BR	20,00	32,00	6,00	HNBR	LI
9690	---	BRGF	19,50	33,00	7,30	FPM	LI	AG7043	---	BR	25,00	35,00	7,00	HNBR	LI
9711	---	GRF	16,35	26,50	4,00	FPM	LI	AG7050	---	GA	69,50	82,55	7,90	PU	LI
9712	---	AGJM	31,00	43,00	3,0/7,5	NBR	LI	AG7052	---	GA	70,00	85,00	5,00	PU	LI
9718	---	GAE	16,00	22,00	3,0/4,0	NBR	LI	AG7053	---	AGGL	75,00	90,00	5,00	PU	LI
9719	---	GAE	18,00	28,00	7,0/11,5	NBR	LI	AG7060	---	BAG	34,90	54,00	7,90	NBR	LI
9720	---	AGAO	16,00	22,00	3,0/4,0	NBR	LI	AG7105	---	AGGQ1	15,50	30,80	15,50	NBR	LI
9723	---	BR	18,00	30,00	7,00	NBR	LI	AG7128	01310	BAG	32,00	42,00	7,00	NBR	LI
9754	---	AGJG	16,00	32,00	8,00	NBR	LI	AG7149	---	BR	12,70	22,35	8,00	NBR	LI
9765	---	BRGF	19,50	30,00	6,00	FPM	LI	AG7150	---	GRF	35,00	52,00	6,00	FPM	LI
9778	---	GA	28,60	35,00	2,50	NBR	LI	AG7178	---	BRF	82,00	100,00	10,00	FPM	LI
9782	---	GA	17,00	23,50	3,00	NBR	LI	AG7195	01495	BRF	28,00	40,00	7,00	FPM	LI
9792	---	BAF	12,00	18,00	6,00	FPM/INO	LI	AG7199	---	BA	25,40	47,60	6,35	NBR	LI
9799	---	AGJC	27,00	33,40	5,00	NBR	LI	AG7200	---	BR	27,00	39,70	6,35	NBR	LI



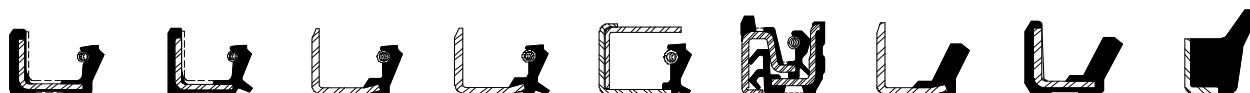
REFERÊNCIA AGEL

CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
AG7204	---	GA	19,00	27,00	4,50	NBR	LI	AG7484	---	GA	47,60	65,00	9,50	PU	LI
AG7211	---	AGBT	17,60	29,80	3,5/4,4	NBR	LI	AG7491	01058	BRF	15,00	35,00	7,00	FPM	LI
AG7213	---	AGAO	12,70	19,05	2,5/3,2	NBR	LI	AG7501	---	BA	15,00	32,00	7,00	NBR	LI
AG7214	01992	BR	30,25	39,70	6,35	NBR	LI	AG7502	---	GA	25,00	32,00	5,00	NBR	LI
AG7228	---	BRGF	40,00	67,00	7,00	FPM	LI	AG7509	---	AGJJ	15,00	29,00	14,50	FPM	LI
AG7229	---	BRG	33,00	72,30	9,50	NBR	LI	AG7510	---	AGJJ	22,00	36,00	14,50	FPM	LI
AG7230	---	BRGF	52,00	72,00	7,00	FPM	LI	AG7515	---	GA	57,15	73,00	6,35	PU	LI
AG7231	---	BRG	31,00	46,00	8,00	NBR	LI	AG7518	---	BRAGF	26,00	42,00	8,00	FPM PT	H
AG7232	05784	BRGF	32,00	46,00	6,00	FPM	H	AG7519	---	BRAGF	30,00	43,00	8,00	FPM	H
AG7234	---	BRGF	31,00	46,00	7,00	FPM	H	AG7521	---	AGGO1	18,00	33,50	14,50	NBR	LI
AG7275	---	BRGF	20,00	30,00	7,00	FPM	LI	AG7522	---	BRG	15,00	35,00	7,00	NBR	LI
AG7286	02589	GR	15,00	21,00	3,00	NBR	LI	AG7523	---	BRG	15,00	24,00	7,00	NBR	LI
AG7287	---	BAG	25,40	42,80	7,90	NBR	LI	AG7524	02727	BRG	25,00	52,00	8,00	NBR	LI
AG7289	05353	BRGF	46,70	62,00	9,00	FPM	LI	AG7525	---	BRGF	60,00	75,00	8,00	FPM	LI
AG7290	05352	BRGF	57,00	71,00	9,00	FPM	LI	AG7545	---	BR	80,00	100,00	10,00	MVQ	LI
AG7295	---	BRG	35,00	48,00	8,00	NBR	LI	AG7554	---	BRG	45,00	55,00	7,00	NBR	LI
AG7306	---	BRGF	38,10	57,15	9,50	FPM	LI	AG7555	---	GAGE	28,00	40,00	8,3/9,6	NBR	LI
AG7307	---	BRGF	34,90	57,15	8,00	FPM	LI	AG7563	---	GA	20,60	31,75	5,00	NBR	LI
AG7308	---	BRG	44,45	63,50	9,50	NBR	LI	AG7564	00262	BAG	28,00	47,00	10,00	NBR	LI
AG7309	---	BRGF	44,45	60,00	7,00	FPM	LI	AG7565	01502	BAG	35,00	44,50	7,00	NBR	LI
AG7310	---	BBRGF	55,00	78,00	12,00	FPM	LI	AG7566	---	GRG	20,00	47,00	15,00	NBR	LI
AG7316	---	BRG	35,00	62,00	7,00	NBR	LI	AG7567	---	GRG	25,00	62,00	18,00	NBR	LI
AG7318	---	BAGF	32,80	50,80	8,00	FPM	LI	AG7572	---	AGJJ	22,00	36,00	14,50	FPM	LI
AG7324	05253	BRGF	35,00	50,00	7,00	FPM	H	AG7576	---	GA	53,98	73,02	9,50	PU	LI
AG7342	---	BAG	17,40	28,50	6,35	NBR	LI	AG7578	---	GAE	22,00	28,00	5,0/8,0	NBR	LI
AG7346	---	GA	50,80	60,30	4,76	PU	LI	AG7579	---	GAE	10,00	16,00	5,0/6,7	NBR	LI
AG7347	---	BR	45,00	65,00	7,00	NBR	BI	AG7580	---	GAE	16,00	26,00	5,0/8,0	NBR	LI
AG7355	---	BR	30,00	47,00	6,00	M/INOX	LI	AG7581	00909	BR	20,00	47,10	10,00	NBR	LI
AG7366	---	GAG	56,00	68,00	7,0/10,0	PU	LI	AG7582	---	BRGF	80,00	105,00	13,00	FPM	LI
AG7368	05580	BRGF	32,00	44,00	6,00	FPM	H	AG7584	---	BRGF	45,00	65,00	7,00	FPM	LI
AG7369	---	BRG	30,00	50,00	7,00	NBR	LI	AG7589	---	GA	44,45	50,80	3,20	NBR	LI
AG7370	01949	BRG	35,00	62,00	10,00	NBR	LI	AG7590	---	GRF	44,45	63,50	4,00	FPM	LI
AG7380	---	GAG	63,00	75,00	7,0/10,0	PU	LI	AG7591	00459	BRGF	55,00	80,00	10,00	FPM	LI
AG7383	02032	BA	25,40	34,95	6,40	NBR	H	AG7621	---	BRGF	55,00	72,00	7,00	FPM	LI
AG7387	00795	BR	16,00	30,00	10,00	NBR	LI	AG7626	---	BR	72,00	90,00	10,00	NBR	LI
AG7396	---	BRGF	30,00	40,00	7,00	FPM	LI	AG7635	---	BRF	60,00	80,00	8,00	FPM	LI
AG7410	---	GRS	70,00	85,00	7,00	MVQ	LI	AG7647	01245	BRG	20,00	40,00	6,00	NBR	LI
AG7428	---	BRGF	32,00	42,00	7,00	FPM	LI	AG7648	---	AGGQ	15,00	30,00	12,50	NBR	LI
AG7467	---	GAE	25,00	35,00	7,0/10,0	PU	LI	AG7649	---	BR	40,00	62,00	10,00	NBR	LI
AG7471	---	GAE	45,00	57,00	7,0/10,0	PU	LI	AG7654	---	BAG	38,10	50,80	8,00	NBR	LI



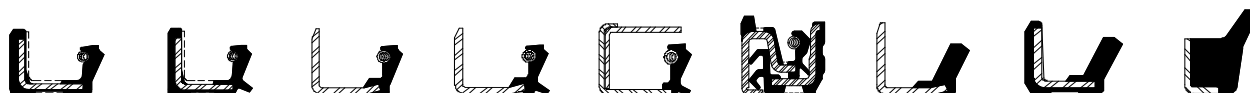
REFERÊNCIA AGEL

CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
AG7655	---	BAG	44,45	69,85	8,00	NBR	LI	AG7738	---	AGGK1	33,00	45,20	6,50	PTFE	LI
AG7656	---	BAG	41,30	60,30	9,50	NBR	LI	AG7747	01109	BRF	40,00	62,00	11,50	FPM	LI
AG7658	---	BAG	44,45	76,20	8,00	NBR	LI	AG7748	00508	BAG	17,00	28,00	7,00	NBR	LI
AG7662	---	BAGGEF	47,60	69,85	12,70	FPM	LI	AG7759	---	BRAGF	20,00	30,00	6,00	FPM	LI
AG7667	00028	B	31,70	50,70	11,00	NBR	LI	AG7765	---	BAGF	34,90	54,00	7,90	FPM	LI
AG7668	02106	GA	28,00	40,00	5,00	NBR	LI	AG7767	---	GAG	55,00	67,00	6,5/10,0	PU	LI
AG7670	---	BR	60,00	75,00	8,00	MVQ	LI	AG7769	---	BRG	29,40	38,10	4,75	FPM	LI
AG7671	02261	GAE	25,00	35,00	5,0/7,0	NBR	LI	AG7783	---	GA	100,00	115,00	8,00	PU	LI
AG7672	10316	AGNK	2,00	24,50	14,70	NBR	LI	AG7784	---	GA	120,00	130,17	7,00	PU	LI
AG7673	---	AGJL	40,00	50,00	12,0/21,0	NBR	LI	AG7793	---	BRG	63,00	90,00	8,00	NBR	LI
AG7674	00510	AGX	16,00	35,00	12,00	NBR	LI	AG7800	---	BAF	47,62	66,67	11,10	FPM	LI
AG7675	01089	AGX1	22,00	45,00	12,00	NBR	LI	AG7803	---	GA	25,33	31,75	3,18	NBR	LI
AG7676	---	GAE	10,00	16,00	3,0/5,0	NBR	LI	AG7810	---	BRGF	40,00	62,00	8,00	FPM	LI
AG7677	01102	AGB	5,00	CS0806	14,00	NBR	LI	AG7814	---	GAG	65,00	79,00	8,0/11,0	PU	LI
AG7679	01876	AGC	20,90	30,06	12,00	NBR	LI	AG7823	---	BRG	60,00	75,00	8,00	NBR	LI
AG7680	02376	BRG	30,00	47,00	7,00	FPM	AH	AG7825	---	AGX1	57,00	85,00	13,00	NBR	LI
AG7681	---	GA	35,00	45,00	7,00	MVQ	LI	AG7826	02316	GA	57,20	82,60	6,50	NBR	LI
AG7682	---	BR	40,00	56,00	8,00	MVQ	LI	AG7829	---	BR	35,00	72,00	7,00	NBR	LI
AG7684	01299	BRG	28,60	38,10	6,00	NBR	LI	AG7857	---	GA	57,15	66,68	4,78	NBR	LI
AG7685	---	AGJN1	47,00	67,00	5,0/6,0	NBR	LI	AG7883	02152	BAGGG	34,00	55,00	15,00	NBR	LI
AG7687	---	GRS	25,00	32,00	4,00	MVQ	LI	AG7901	---	BR	35,00	45,00	7,00	MVQ	LI
AG7689	---	BR	86,00	110,00	12,00	FPM	LI	AG7910	---	BRGF	34,92	52,00	6,00	FPM	LI
AG7694	---	BR	24,00	40,00	7,00	NBR	LI	AG7914	---	BA	24,60	44,45	7,90	NBR	LI
AG7698	---	GRS	15,00	35,00	7,00	MVQ	LI	AG7923	02677	BRG	70,00	85,00	8,00	FPM	LI
AG7699	---	GRS	17,00	40,00	7,00	MVQ	LI	AG7927	---	BRG	25,00	47,00	8,00	NBR	LI
AG7701	---	GRS	20,00	47,00	7,00	MVQ	LI	AG7933	---	BRG	30,00	55,00	7,00	NBR	LI
AG7702	---	GRS	25,00	52,00	7,00	MVQ	LI	AG7935	02324	BRG	45,00	65,00	8,00	NBR	LI
AG7703	---	GRS	35,00	72,00	7,00	MVQ	LI	AG7951	---	BRF	10,00	25,40	6,40	FPM	LI
AG7704	---	GRS	40,00	90,00	7,00	MVQ	LI	AG7955	---	BRF	10,00	27,00	6,40	FPM	LI
AG7705	---	BR	25,00	35,00	7,00	MVQ	LI	AG7967	---	GR	15,00	23,00	3,00	NBR	LI
AG7706	---	GR	17,00	35,00	5,00	NBR	LI	AG7985	---	GR	15,00	35,00	7,00	NBR	LI
AG7707	---	BRGG	35,00	72,00	10,00	NBR	LI	AG7986	---	GR	17,00	40,00	7,00	NBR	LI
AG7711	---	BRG	30,00	62,00	10,00	NBR	LI	AG7987	---	GR	20,00	47,00	7,00	NBR	LI
AG7716	---	AGFW	42,00	72,00	9,00	FELTRO	LI	AG7988	---	GR	25,00	52,00	7,00	NBR	LI
AG7718	---	GRS	80,00	100,00	10,00	MVQ	LI	AG7989	---	GR	30,00	62,00	7,00	NBR	LI
AG7724	---	AGD	20,00	46,50	6,50	FPM	LI	AG7990	---	GR	35,00	72,00	7,00	NBR	LI
AG7726	---	GRS	45,00	55,00	4,00	MVQ	LI	AG8018	---	GAE	75,00	83,00	7,0/9,7	NBR	LI
AG7730	---	BRGF	55,00	90,00	10,00	FPM	LI	AG8028	---	BRGES	44,45	63,50	9,50	FPM	LI
AG7736	01422	BRF	50,00	65,00	8,00	FPM	LI	AG8031	---	BR	45,00	62,00	7,00	NBR	LI
AG7737	---	BRG	30,00	42,00	7,00	NBR	LI	AG8032	00615	BRG	36,00	56,00	10,00	NBR	LI



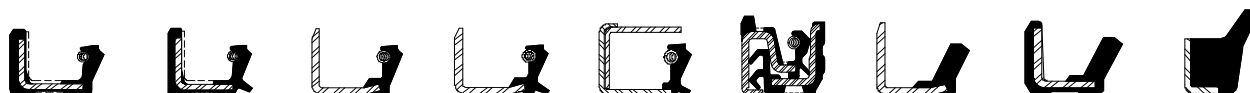
REFERÊNCIA AGEL

CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
AG8040	---	BRGE2	48,00	65,00	10,0/15,0	FPM	LI	AG8325	---	AGGK	19,05	31,75	7,94	PTFE	LI
AG8041	---	BRGE2	44,00	60,00	9,0/14,0	FPM	LI	AG8326	---	AGFX	19,00	35,00	2,3/7,0	NBR	LI
AG8045	---	GA	41,28	53,98	7,94	PU	LI	AG8340	---	BRGF	70,00	90,00	10,00	FPM	LI
AG8060	---	GRF	50,00	62,00	7,00	FPM	LI	AG8381	---	GAG	50,00	64,00	8,0/13,0	PU	LI
AG8090	---	BAG	55,00	80,00	10,00	FPM	LI	AG8392	---	GA	84,00	95,00	4,00	PU	LI
AG8093	---	GAE	110,00	126,00	9,0/12,0	PU	LI	AG8406	---	GGGX-1	38,00	59,00	8,0/10,0	NBR	LI
AG8131	---	BR	17,00	40,00	7,00	NBR	LI	AG8407	---	BR	17,00	40,00	7,00	MVQ	LI
AG8140	---	BRGF	36,00	44,10	5,00	FPM	LI	AG8408	---	BRG	25,00	52,00	8,00	MVQ	LI
AG8153	---	GA	12,70	25,40	6,35	PU	LI	AG8431	---	GAG	40,00	54,00	8,0/13,0	PU	LI
AG8178	---	BBR	40,00	58,00	8,00	NBR	LI	AG8449	---	GR	17,00	25,00	3,00	HNBR	LI
AG8182	---	BR	40,00	56,00	8,00	HNBR	LI	AG8455	---	AGFB	28,00	44,00	6,00	NBR	LI
AG8183	---	GR	35,00	72,00	7,00	HNBR	LI	AG8461	---	GR	40,00	50,00	4,00	HNBR	LI
AG8185	---	BRG	60,00	80,00	10,00	NBR	LI	AG8467	---	BR	30,00	37,00	4,00	HNBR	LI
AG8192	---	BRF	140,00	170,00	15,00	FPM	LI	AG8468	---	BRG	25,00	52,00	8,00	HNBR	LI
AG8207	---	AGJJ	25,00	40,00	15,00	FPM	LI	AG8469	---	GRS	15,00	23,00	3,00	MVQ	LI
AG8210	---	BR	35,00	45,00	7,00	HNBR	LI	AG8470	---	GA	60,00	75,00	4,00	PU	LI
AG8217	---	BR	35,00	48,00	5,50	NBR	LI	AG8477	---	BR	35,00	72,00	7,00	NBR	LI
AG8218	---	GR	60,00	72,00	6,00	HNBR	LI	AG8548	---	BAGF	44,45	63,50	12,70	FPM	BI
AG8219	---	BR	60,00	75,00	8,00	HNBR	LI	AX0014	---	BRG	27,00	42,00	10,00	NBR	LI
AG8226	---	BRGF	60,00	85,00	8,00	FPM	LI	AX0015	---	BRG	63,60	85,60	17,50	NBR	LI
AG8240	---	BRG	40,00	80,10	10,00	NBR	LI	AX0016	---	AGBB1	150,00	178,00	13,0/16,0	NBR	LI
AG8241	---	BAG	60,30	79,40	12,00	NBR	LI	AX0018	---	AGBB1	53,20	78,00	13,0/14,0	NBR	LI
AG8243	---	GAE	38,00	48,00	7,0/10,0	PU	LI	AX0036	02879	BAG	41,30	54,00	6,50	NBR	BI
AG8254	---	BR	15,00	35,00	7,00	HNBR	LI	AX0037	---	AGK1	49,95	69,00	11,00	PU	LI
AG8255	---	BRG	15,00	35,00	7,00	NBR	LI	AX0040	---	BRGF	26,00	42,00	8,00	FPM	LI
AG8255	---	BRG	15,00	35,00	7,00	NBR	LI	AX0041	00853	BR	17,00	35,00	7,00	NBR	LI
AG8256	---	GR	30,00	37,00	4,00	HNBR	LI	AX0042	---	BR	42,00	56,00	7,00	NBR	LI
AG8257	---	BR	55,00	70,00	8,00	HNBR	LI	AX0043	---	BRG	40,00	60,00	10,00	HNBR	LI
AG8258	---	BR	45,00	62,00	7,00	HNBR	LI	AX0075	---	GAG	100,00	110,00	7,0/10,0	PU	LI
AG8259	---	BR	35,00	72,00	7,00	MVQ	LI	AX0076	---	AGBB1	130,00	160,00	14,5/16,0	NBR	LI
AG8266	---	BR	45,00	62,00	7,00	MVQ	LI	AX0091	---	GA	80,00	90,00	4,50	PU	LI
AG8267	---	BR	20,00	47,00	7,00	NBR	LI	AX0092	---	GA	65,00	85,00	5,00	PU	LI
AG8281	---	GAGE	25,00	36,50	6,0/8,0	NBR	LI	AX0112	---	GA	60,00	73,00	8,00	PU	LI
AG8291	---	GA	25,00	35,00	4,80	PU	LI	AX0117	---	BRGE2	52,00	70,50	8,5/13,0	FPM	H
AG8293	---	GA	28,00	35,00	4,00	NBR	LI	AX0118	---	GA1	63,50	88,90	6,35	PU	LI
AG8296	---	GA	18,00	25,00	6,00	NBR	LI	AX0119	---	GA1	76,20	88,90	7,94	PU	LI
AG8307	---	BRGF	36,60	50,80	8,00	NBR	LI	AX0120	---	GA1	64,50	85,00	7,00	PU	LI
AG8308	---	BRF	72,00	90,00	10,00	FPM	LI	AX0121	---	GA1	89,50	110,00	7,00	PU	LI
AG8315	---	BR	30,00	37,00	4,00	MVQ	LI	AX0122	---	GA1	69,50	90,00	7,00	PU	LI
AG8322	---	AGFX1	22,00	32,00	5,0/8,0	FPM	LI	AX0123	---	GA1	59,50	80,00	7,00	PU	LI



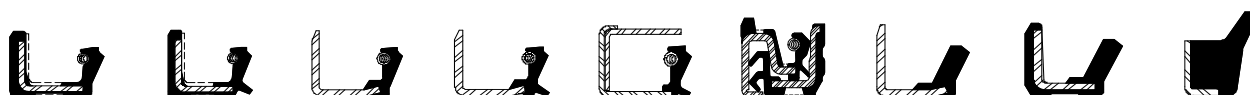
REFERÊNCIA AGEL

CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
AX0149	---	GA	69,85	88,90	6,35	NBR	LI	CX6091	01847	GR	50,00	68,00	8,50	NBR	LI
AX0165	---	AGGP	46,00	65,00	21,00	NBR/PU	LI	CX6092	00QUEAI	BAO	17,00	28,00	6,00	NBR	LI
AX0171	---	AGGH	45,00	62,00	19,00	NBR/PU	LI	CX6103	---	BRG	50,00	72,00	8,00	NBR	LI
AX0174	---	BRG	20,00	38,00	15,00	NBR	LI	CX6104	02987	GR	32,00	45,00	7,00	NBR	LI
AX0181	---	AGK1	55,00	73,03	11,00	PU	LI	CX6984	---	GA	56,00	72,00	6,50	PU	LI
AX0194	---	BRG	79,00	110,00	10,00	NBR	LI	CX6998	---	BRG	28,00	40,00	7,00	NBR	LI
AX0197	---	BRGF	42,00	62,00	8,00	FPM	LI	CX7157	---	GRE1	18,00	32,30	6,80	NBR	LI
AX0213	---	BRG	47,00	65,00	10,00	NBR	LI	CX7839	---	BRG	19,00	29,20	7,00	NBR	LI
AX0220	---	AGBB	140,00	170,00	14,5/16,0	NBR	LI	CX7866	---	GA	32,00	42,00	6,00	NBR	LI
AX0223	---	BRG	65,00	85,00	13,00	NBR	LI	CX7876	---	BRAG	28,00	38,30	7,50	HNBR	LI
AX0224	00521	BR	42,00	62,10	10,00	NBR	LI	CX7877	---	BRG1	18,75	30,00	5,30/7,3	HNBR	LI
AX0225	01081	BR	42,00	72,00	12,00	NBR	LI	CX8228	---	BRGF	25,00	35,00	6,00	FPM	LI
AX0228	01148	BR	79,40	114,30	12,70	NBR	LI	CX8536	---	BRG	25,00	35,40	6,50	NBR	LI
AX0229	00045	B	95,00	125,00	13,00	NBR	LI	CX8552	---	GR	55,00	73,00	8,50	NBR	LI
AX0230	---	BRAG	35,00	65,00	8,00	NBR	LI	CX8585	---	GA	44,45	57,15	3,20	NBR	LI
AX0231	---	AGGP	45,00	65,00	25,00	NBR/PU	LI	CX8589	---	GA	27,00	32,00	3,20	NBR	LI
AX0232	01742	BR	35,00	52,10	10,00	NBR	LI	CX8590	---	BA	26,50	34,80	4,80	NBR	LI
AX0236	02699	BRG	32,00	52,00	7,00	NBR	LI	CX8596	---	BR	27,00	34,80	4,60	NBR	LI
AX0237	---	GGGX	88,90	125,00	8,00	NBR	LI	CX9096	01554	BRG	22,00	32,00	7,00	NBR	LI
AX0240	00092	BGE	47,60	70,65	14,5/16,5	NBR	LI	CX9106	02046	BRG	25,00	47,00	10,00	NBR	LI
AX0246	---	BRG	30,00	62,00	7,00	NBR	LI	CX9114	---	BR	25,00	34,00	7,00	NBR	LI
CX1256	02517	BRXE	55,00	70,00	12,00	NBR	LI	CX9115	---	BRG	20,00	42,50	7,00	NBR	LI
CX1258	---	BRXE	50,00	65,10	10,00	NBR	LI	CX9122	---	AGFF	20,00	44,50	3,50	NBR	LI
CX5899	---	BRG	20,00	30,00	7,00	NBR	LI	CX9123	---	BRG	17,00	30,00	7,00	NBR	AH
CX5918	---	BR	31,74	42,80	7,90	NBR	LI	CX9127	---	AGGX	20,00	35,00	5,00	NBR	LI
CX5927	---	BR	24,00	33,00	7,00	NBR	LI	CX9147	---	BA	20,00	36,00	6,50	NBR	H
CX5928	---	GR	23,00	29,80	4,00	NBR	LI	CX9156	02433	BRG	20,00	39,70	6,50	NBR	LI
CX6031	01759	GR	40,00	56,00	8,50	NBR	LI	CX9164	---	BR	28,00	37,00	5,00	NBR	LI
CX6032	00496	BRG	18,00	30,00	7,00	NBR	LI	CX9182	---	BRG	20,00	32,00	6,00	NBR	LI
CX6043	01886	GR	28,00	38,00	7,00	NBR	LI	CX9183	00343	BR	31,70	44,50	8,00	NBR	LI
CX6044	---	BRG	28,00	40,00	6,00	NBR	LI	CX9184	---	BRG	31,75	44,45	10,00	NBR	LI
CX6055	---	BROF	20,00	30,00	8,00	FPM	LI	CX9190	00572	BRG	22,30	34,95	6,40	NBR	LI
CX6056	01760	GR	45,00	62,00	8,00	NBR	LI	CX9201	---	BRG	20,00	35,50	6,00	NBR	LI
CX6067	---	BROF	20,00	40,00	8,00	FPM	LI	CX9208	---	BRG	26,00	38,10	5,70	NBR	LI
CX6068	01045	BRG	26,00	37,00	7,00	NBR	LI	CX9230	02233	BRG	25,00	40,00	8,00	NBR	LI
CX6069	02984	BRG	32,00	45,00	7,00	NBR	LI	CX9237	---	BRGF	19,00	32,00	7,00	FPM	LI
CX6072	---	BRO	20,00	35,00	8,00	NBR	LI	CX9354	---	BR	22,00	31,00	6,50	NBR	LI
CX6075	---	BRG	40,00	56,00	10,00	NBR	LI	CX9358	---	BRG	18,70	35,00	7,00	NBR	LI
CX6079	---	BRG	20,00	42,00	7,00	NBR	LI	CX9361	---	BR	25,00	34,00	5,00	NBR	LI
CX6080	02745	BRG	45,00	60,00	7,00	NBR	LI	CX9362	---	BRG1	20,00	41,30	6,5/9,0	NBR	LI



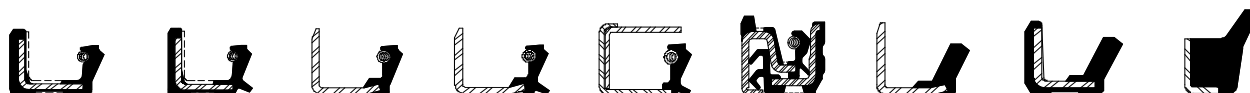
REFERÊNCIA AGEL

CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
CX9366	---	BRG	21,00	35,50	6,00	NBR	LI	TCS0018	---	BRGF	16,00	26,00	5,00	FPM	LI
CX9370	---	BR	28,50	37,60	5,20	NBR	LI	TCS0019	---	BRG	18,75	37,50	5,50	NBR	LI
CX9391	---	GR	32,50	44,85	3,70	NBR	LI	TCS0020	---	BRG	22,22	31,75	6,00	NBR	LI
CX9393	---	BRG	25,00	38,10	7,00	NBR	LI	TCS0021	---	BRGF	16,90	27,90	5,00	FPM	LI
CX9394	---	BRG	19,00	32,00	7,00	NBR	LI	TCS0022	---	BRG	20,00	41,30	6,50	NBR	LI
CX9397	---	BRG	20,00	30,00	5,00	NBR	LI	TCS0023	---	BR	27,75	37,30	6,50	NBR	LI
CX9398	01695	BRG	30,00	47,00	6,00	NBR	LI	TCS0024	---	BR	27,00	38,00	5,50	NBR	LI
CX9399	01727	BRG	22,00	32,00	5,00	NBR	LI	TCS0028	00007	B	98,50	144,45	19,00	NBR	LI
CX9403	---	BRG	19,00	32,00	6,00	NBR	LI	TCS0029	---	BR	35,00	60,25	12,70	NBR	LI
CX9404	---	BRG	36,00	44,10	5,00	NBR	LI	TCS0030	---	BA	100,00	130,00	13,00	NBR	LI
CX9405	---	BRG	24,00	33,00	5,00	NBR	LI	TCS0031	---	BAG	51,94	72,00	12,00	NBR	LI
CX9406	---	GR	32,00	46,00	6,00	NBR	LI	TCS0032	00049	BAG	38,10	60,33	12,70	NBR	LI
CX9407	---	BROF	25,00	40,00	8,00	FPM	LI	TCS0033	02110	BRG	45,00	62,00	9,00	NBR	LI
CX9409	01214	BR	24,00	37,00	7,00	NBR	LI	TCS0034	00081	B	69,90	98,45	12,70	NBR	LI
CX9416	---	BR	34,00	46,00	7,00	NBR	LI	TCS0035	---	B	81,30	120,80	14,30	NBR	LI
CX9419	---	BRG	19,05	34,60	4,40	NBR	LI	TCS0036	00161	BRG	48,00	72,00	10,00	NBR	LI
CX9431	---	BROF	20,00	35,00	8,00	FPM	LI	TCS0037	00164	BR	65,00	90,00	13,00	NBR	LI
CX9444	---	AGGB	28,60	43,00	7,00	NBR	LI	TCS0038	00222	BAG	44,70	61,20	9,50	NBR	LI
CX9446	---	AGGE	28,00	47,00	4,2/5,0	NBR	LI	TCS0039	00268	BR	190,00	220,00	14,80	NBR	LI
CX9504	---	AGFB	28,50	43,00	6,50	NBR	LI	TCS0040	---	BAG	75,00	100,00	12,00	NBR	LI
CX9508	01916	BAGP	17,00	34,00	7,00	ACM	LI	TCS0041	00269	BR	75,00	100,00	12,00	NBR	LI
CX9563	---	AGGV	19,00	34,90	4,0/6,0	NBR	LI	TCS0042	00274	BG	50,80	81,00	11,90	NBR	LI
CX9751	---	BRAGG	35,00	47,00	8,00	NBR	LI	TCS0043	---	BRG	20,00	38,00	7,00	NBR	LI
CX9755	---	BAG	18,00	31,70	6,30	NBR	H	TCS0044	00334	BAG	60,30	92,00	12,00	NBR	LI
CX9807	---	AGFB	24,00	38,00	7,00	NBR	LI	TCS0045	00357	BA	76,20	101,65	12,70	NBR	LI
CX9808	---	GR	32,00	42,00	5,00	NBR	LI	TCS0046	00378	B	63,50	89,90	12,00	NBR	LI
CX9829	---	BRG	19,00	28,80	5,00	NBR	LI	TCS0047	00420	BR	125,00	150,35	13,00	NBR	LI
CX9861	---	BRG	19,00	30,00	5,60	NBR	LI	TCS0048	00463	BR	25,00	52,00	10,00	NBR	LI
CX9936	---	BRG	25,00	38,00	7,00	NBR	LI	TCS0049	00485	BA	35,00	47,00	7,00	NBR	LI
TCS0001	---	BAF	17,00	36,00	6,60	FPM	LI	TCS0050	00500	BAG	68,00	90,00	13,00	NBR	LI
TCS0002	---	BRG	18,00	30,00	5,00	NBR	LI	TCS0051	00506	BR	25,00	43,00	10,00	NBR	LI
TCS0003	---	BRO	17,00	32,00	8,00	NBR	LI	TCS0053	00509	BR	45,00	72,00	12,00	NBR	LI
TCS0004	---	BAG	15,00	28,00	6,30	NBR	LI	TCS0054	00520	BR	35,00	47,05	10,00	NBR	LI
TCS0005	---	BR	23,00	34,00	6,30	NBR	LI	TCS0055	00674	B	47,70	72,95	12,00	NBR	LI
TCS0006	---	BR	26,00	38,00	6,50	NBR	LI	TCS0056	00694	B	35,00	53,90	9,50	NBR	LI
TCS0013	00604	BR	43,00	62,00	10,00	NBR	LI	TCS0059	00788	BAG	25,00	35,00	10,00	NBR	LI
TCS0014	---	BR	33,00	43,00	6,50	NBR	LI	TCS0060	00796	BR	16,00	32,00	7,00	NBR	LI
TCS0015	---	BRG	19,00	38,00	7,00	NBR	LI	TCS0061	00797	BR	36,00	54,00	7,00	NBR	LI
TCS0016	---	BRG	19,00	29,00	7,00	NBR	LI	TCS0062	---	BR	35,00	62,00	9,50	NBR	LI
TCS0017	---	BAG	23,00	43,00	8,50	NBR	LI	TCS0063	00847	BAG	30,00	42,00	7,00	NBR	LI



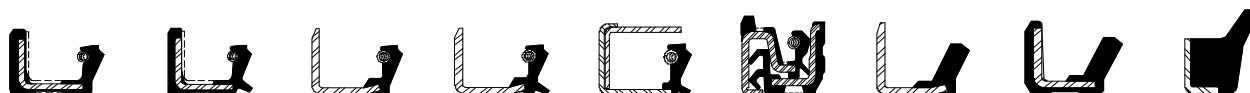
REFERÊNCIA AGEL

CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
TCS0068	00925	BA	25,00	42,00	8,00	NBR	LI	TCS0112	01912	BRG	85,70	114,20	11,20	NBR	LI
TCS0069	00932	BR	28,60	39,75	7,00	NBR	LI	TCS0115	01980	BR	35,00	55,00	8,00	NBR	LI
TCS0071	00949	BR	30,00	52,00	10,00	NBR	LI	TCS0116	02004	BAGP	64,00	80,00	8,00	ACM	LI
TCS0072	00952	BR	30,00	52,00	8,00	NBR	LI	TCS0117	02049	BG	100,00	120,00	13,00	NBR	LI
TCS0073	00977	BR	60,00	82,00	12,00	NBR	LI	TCS0118	02063	BAG	31,70	50,80	11,10	NBR	LI
TCS0074	01004	BAG	35,50	58,20	12,00	NBR	LI	TCS0119	02068	BRGP	40,00	52,00	8,00	ACM	LI
TCS0075	01038	B	45,00	85,00	13,00	NBR	LI	TCS0120	---	BRG	40,00	52,00	8,00	NBR	LI
TCS0076	01043	B	95,00	130,00	13,00	NBR	LI	TCS0121	02069	BRGS	130,00	160,00	14,00	MVQ	LI
TCS0077	01049	BRG1	46,00	76,20	9,5/12,7	NBR	LI	TCS0122	---	BA	20,00	38,00	6,50	NBR	LI
TCS0078	01100	BAG	41,10	65,40	13,00	NBR	LI	TCS0123	02100	BAG	58,00	75,00	12,00	NBR	LI
TCS0079	01119	BAG	44,20	71,45	14,80	NBR	LI	TCS0124	02102	BA	34,90	50,85	8,30	NBR	LI
TCS0080	01151	BRG	26,00	42,00	10,00	NBR	LI	TCS0125	02127	BGP	76,20	101,65	11,00	ACM	LI
TCS0081	01180	BR	55,00	85,00	13,00	NBR	LI	TCS0126	02139	BRG	48,00	72,00	7,00	NBR	LI
TCS0082	---	BAG	45,00	68,00	12,00	NBR	LI	TCS0127	02163	BRG	8,00	18,00	5,00	NBR	LI
TCS0083	01266	BAG	40,00	65,00	12,00	NBR	LI	TCS0128	02184	BAGP	32,00	65,00	13,00	ACM	LI
TCS0085	01370	BA	32,00	44,00	9,00	NBR	LI	TCS0129	---	BAG	32,00	65,00	13,00	NBR	LI
TCS0086	01395	B	34,90	52,30	9,50	NBR	LI	TCS0130	---	BAG	60,30	79,40	12,00	NBR	LI
TCS0087	01397	BA	25,00	45,00	7,00	NBR	LI	TCS0131	02209	BAGE2	47,60	80,00	13,00	NBR	BI
TCS0088	01424	BR	150,00	180,00	15,00	NBR	LI	TCS0132	02211	BAG	63,50	83,80	9,00	NBR	LI
TCS0089	01445	BA	12,00	32,00	7,00	NBR	LI	TCS0133	02216	GAG	17,80	32,15	5,5/8,5	NBR	LI
TCS0090	01492	BR	17,00	40,00	8,50	NBR	LI	TCS0134	02283	BRGF	85,00	105,00	12,00	FPM	LI
TCS0091	01505	BR	42,00	65,00	10,00	NBR	LI	TCS0135	02308	BRG	14,00	28,00	7,00	NBR	LI
TCS0092	01509	BR	34,00	52,00	7,50	NBR	LI	TCS0136	02309	BRP	15,00	25,00	7,00	ACM	LI
TCS0094	01539	GA	28,60	34,90	3,20	NBR	LI	TCS0137	02310	BRG	16,00	28,00	7,00	NBR	LI
TCS0095	01667	BR	30,00	42,00	8,00	NBR	LI	TCS0138	02312	BRG	27,00	39,00	10,50	NBR	LI
TCS0096	01669	BR	55,00	100,20	12,70	NBR	LI	TCS0139	---	BR	44,00	60,00	7,00	NBR	LI
TCS0097	01677	BR	15,00	30,00	7,00	NBR	LI	TCS0140	02415	BAG	55,40	76,15	12,70	NBR	LI
TCS0098	01735	BG	125,00	150,00	15,00	NBR	LI	TCS0141	02418	BRP	21,50	40,00	7,00	ACM	LI
TCS0100	01764	BAGG	46,00	65,50	7,00	NBR	LI	TCS0142	02418	BR	21,50	40,00	7,00	NBR	LI
TCS0101	01784	BRO	17,00	28,00	8,00	NBR	LI	TCS0143	02485	BY	98,40	144,54	16,00	NBR	LI
TCS0102	01798	BAG	58,00	85,00	13,00	NBR	LI	TCS0144	02486	BR	20,00	34,00	7,00	NBR	LI
TCS0103	01801	B	100,00	123,80	13,00	NBR	LI	TCS0145	02486	BRS	20,00	35,00	7,00	MVQ	LI
TCS0104	01814	BRG	36,00	60,00	9,50	NBR	LI	TCS0146	---	BA	38,10	47,60	6,50	NBR	LI
TCS0105	01829	B	90,00	112,70	13,00	NBR	LI	TCS0147	02506	BR	38,00	52,25	7,00	NBR	LI
TCS0106	---	BAG	33,00	52,00	12,00	NBR	LI	TCS0148	02531	BR	75,00	95,00	10,00	NBR	LI
TCS0107	01879	BRG	70,00	95,00	13,00	NBR	LI	TCS0149	02535	BRG	12,00	22,00	5,00	NBR	LI
TCS0108	01880	BAG	69,80	98,45	11,80	NBR	LI	TCS0150	02556	BAGF	68,00	85,00	10,00	FPM	LI
TCS0109	01884	BRAG	120,00	144,95	15,00	NBR	LI	TCS0151	02571	BRG	17,00	25,00	4,00	NBR	LI
TCS0110	01907	BR	15,00	32,00	7,00	NBR	LI	TCS0152	---	BAG	44,40	63,50	12,70	NBR	LI
TCS0111	---	BR	19,00	29,00	6,50	NBR	LI	TCS0153	---	BRG	25,00	52,00	7,00	NBR	LI



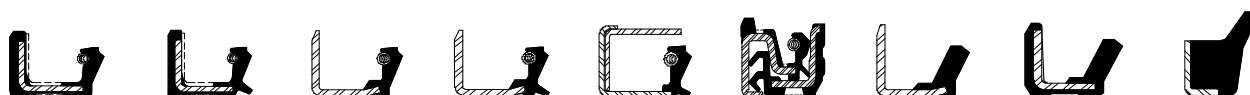
REFERÊNCIA AGEL

CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
TCS0154	02713	AGBF	121,10	160,20	35,00	NBR	LI	TCS0194	---	BRG	12,00	22,00	7,00	NBR	LI
TCS0155	02753	BRG	75,00	95,00	13,00	NBR	LI	TCS0195	---	GR	12,00	24,00	4,00	NBR	LI
TCS0156	02972	BAG	40,00	55,00	8,00	NBR	LI	TCS0196	---	BR	12,00	24,00	4,50	NBR	LI
TCS0157	03013	BA	20,00	31,00	7,00	NBR	LI	TCS0197	---	BRG	12,00	24,00	7,00	NBR	LI
TCS0158	---	BAG	41,10	50,70	6,35	NBR	LI	TCS0198	---	BRG	12,00	25,00	5,00	NBR	LI
TCS0159	---	BRGG	30,00	64,40	17,00	NBR	LI	TCS0199	---	BR	12,00	25,00	7,00	NBR	LI
TCS0160	05126	BRGF	59,93	76,20	11,10	FPM	LI	TCS0200	---	BRG	12,00	25,00	7,00	NBR	LI
TCS0161	07322	BRA	100,00	125,00	12,00	NBR	LI	TCS0201	---	BRGF	12,00	25,00	7,00	FPM	LI
TCS0162	---	GR	5,00	9,00	2,00	NBR	LI	TCS0202	---	BR	12,00	28,00	7,00	NBR	LI
TCS0163	---	BR	5,00	19,00	5,00	NBR	LI	TCS0204	---	BRG	12,00	30,00	8,00	NBR	LI
TCS0164	02515	GR	6,00	10,00	2,00	NBR	LI	TCS0205	---	GR	12,00	32,00	3,00	NBR	LI
TCS0165	---	GRP	6,00	11,00	4,00	ACM	LI	TCS0206	---	BR	12,00	37,00	7,00	NBR	LI
TCS0166	---	BRG	6,00	12,00	5,00	NBR	LI	TCS0207	---	BR	12,00	40,00	7,00	NBR	LI
TCS0167	---	BRG	6,00	16,00	7,00	NBR	LI	TCS0208	---	BA	12,65	20,35	6,00	NBR	LI
TCS0168	02306	BRG	6,60	14,50	7,00	NBR	LI	TCS0209	---	GR	12,70	20,40	4,50	NBR	LI
TCS0169	---	GR	6,53	11,00	2,00	NBR	LI	TCS0210	01966	BAG	12,70	25,40	6,35	NBR	LI
TCS0170	---	GRF	6,53	11,00	2,00	FPM	LI	TCS0211	---	BR	13,00	22,00	5,00	NBR	LI
TCS0171	---	BRG	7,00	14,00	4,00	NBR	LI	TCS0212	---	BRGF	13,00	26,00	7,00	FPM	LI
TCS0172	---	BRG	7,00	22,00	7,00	NBR	LI	TCS0213	---	BRG	13,00	28,00	7,00	NBR	LI
TCS0173	---	GR	7,50	12,10	12,00	NBR	LI	TCS0214	---	GR	13,50	30,00	3,00	NBR	LI
TCS0174	---	BR	8,00	22,00	7,00	NBR	LI	TCS0215	---	BRG	13,70	24,00	5,00	NBR	LI
TCS0175	---	BRF	8,00	22,00	7,00	FPM	LI	TCS0216	02162	BRG	14,00	24,00	6,00	NBR	LI
TCS0176	---	BR	8,00	22,00	7,00	HNBR	LI	TCS0217	---	BRGF	14,00	25,00	5,00	FPM	LI
TCS0177	---	BR	8,00	24,00	7,00	NBR	LI	TCS0218	---	BRG	14,00	25,00	5,00	NBR	LI
TCS0178	---	GR	9,00	13,00	3,00	NBR	LI	TCS0219	---	BRG	14,00	26,00	7,00	NBR	LI
TCS0179	---	GR	9,00	16,00	3,00	NBR	LI	TCS0220	---	BRG	14,00	30,00	7,00	NBR	LI
TCS0180	---	BR	9,00	22,00	7,00	HNBR	LI	TCS0221	---	BRG	14,00	32,00	7,00	NBR	LI
TCS0181	---	GR	9,53	15,88	4,57	NBR	LI	TCS0222	---	BR	14,73	55,00	6,00	NBR	LI
TCS0182	---	GR	9,53	14,00	3,00	NBR	LI	TCS0223	---	BRG	15,00	24,00	5,00	NBR	LI
TCS0183	---	GR	10,00	14,00	2,50	NBR	LI	TCS0224	---	BR	15,00	24,00	6,00	NBR	LI
TCS0184	---	GR	10,00	17,00	3,00	NBR	LI	TCS0225	01816	BA	15,00	24,00	7,00	NBR	LI
TCS0185	---	GR	10,00	18,00	5,00	NBR	LI	TCS0226	---	BRG	15,00	25,00	4,00	NBR	LI
TCS0186	---	BRGF	10,00	19,00	7,00	FPM	LI	TCS0227	---	BR	15,00	25,00	4,50	NBR	LI
TCS0187	---	GR	10,00	20,00	6,10	NBR	LI	TCS0228	---	BRG	15,00	25,00	5,00	NBR	LI
TCS0188	---	BRG	10,00	20,00	7,00	NBR	LI	TCS0229	07518	BRG	15,00	26,00	7,00	NBR	LI
TCS0189	03005	BRGF	10,00	21,00	5,00	FPM	LI	TCS0230	---	BRG	15,00	30,00	5,00	NBR	LI
TCS0190	---	GR	10,00	26,00	3,00	NBR	LI	TCS0231	---	BRGF	15,00	30,00	5,00	FPM	LI
TCS0191	---	BRG	11,60	24,00	10,00	NBR	LI	TCS0232	---	BA	15,00	30,00	7,00	NBR	LI
TCS0192	---	GR	12,00	19,00	3,00	NBR	LI	TCS0233	---	BRG	15,00	30,00	7,00	NBR	LI
TCS0193	03255	BR	12,00	21,00	4,00	NBR	LI	TCS0234	01907	BRG	15,00	32,00	7,00	NBR	LI



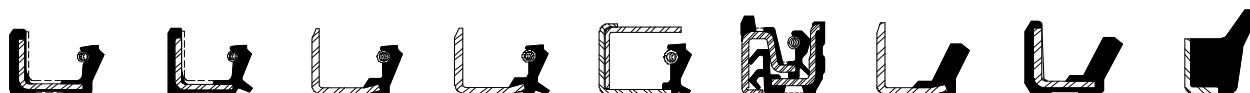
REFERÊNCIA AGEL

CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
TCS0235	01907	BRGF	15,00	32,00	7,00	FPM	LI	TCS0276	---	BRGF	19,00	40,00	8,00	FPM	LI
TCS0236	---	BRG	15,00	35,00	5,00	NBR	LI	TCS0277	---	BRG	19,00	47,00	7,00	NBR	LI
TCS0238	---	BRG	30,00	52,00	6,00	MVQ/PTFE	LI	TCS0278	---	GA	19,05	25,40	3,18	NBR	LI
TCS0239	---	BRG	32,00	52,00	6,00	PTFE	LI	TCS0279	---	BAF	19,05	25,40	3,18	FPM	LI
TCS0240	---	BRG	15,00	42,00	8,00	NBR	LI	TCS0280	---	BAG	19,05	33,35	7,94	NBR	LI
TCS0241	---	GR	15,88	20,65	2,36	NBR	LI	TCS0281	---	BRG	19,05	38,10	7,94	NBR	LI
TCS0242	---	BAG	15,88	31,75	6,35	NBR	LI	TCS0282	---	BRGF	19,80	30,00	6,00	FPM	LI
TCS0243	---	BR	16,00	24,00	4,00	NBR	LI	TCS0283	02573	GR	20,00	26,00	4,00	NBR	LI
TCS0244	---	BRG	16,00	30,00	7,00	NBR	LI	TCS0284	---	BRG	20,00	30,00	6,00	NBR	LI
TCS0245	---	BRGF	16,00	32,00	7,00	FPM	LI	TCS0285	---	BRG	20,00	30,00	7,00	NBR	LI
TCS0246	00796	BRG	16,00	32,00	7,00	NBR	LI	TCS0287	---	BRG	20,00	30,00	8,00	NBR	LI
TCS0247	---	BRG	16,00	35,00	7,00	NBR	LI	TCS0288	---	BRG	20,00	32,00	5,00	NBR	LI
TCS0248	---	BRG	17,00	24,00	5,00	NBR	LI	TCS0289	---	BRG	30,00	45,00	7,00	NBR	LI
TCS0249	---	BRG	17,00	24,00	7,00	NBR	LI	TCS0290	---	BRG	20,00	32,00	7,00	NBR	LI
TCS0250	02701	BRG	17,00	28,00	5,00	NBR	LI	TCS0291	---	BRGF	20,00	32,00	8,00	FPM	LI
TCS0251	01072	BRG	17,00	28,00	6,00	NBR	LI	TCS0292	02311	BR	20,00	34,00	7,00	NBR	LI
TCS0252	---	BRG	17,00	28,00	7,00	NBR	LI	TCS0293	---	BRG	20,00	35,00	5,00	NBR	LI
TCS0253	00012	BA	44,80	61,40	12,00	NBR	LI	TCS0294	01386	BRG	20,00	35,00	8,00	NBR	LI
TCS0254	---	BR	17,00	29,00	5,00	NBR	LI	TCS0295	---	BRGP	20,00	36,00	7,00	ACM	LI
TCS0255	---	BRG	17,00	29,00	7,00	NBR	LI	TCS0296	---	BRG	20,00	36,00	7,00	NBR	LI
TCS0256	02425	BRG	17,00	32,00	7,00	NBR	LI	TCS0297	---	BRG	20,00	38,00	5,00	NBR	LI
TCS0257	---	BRG	17,00	32,00	8,00	NBR	LI	TCS0298	---	BRG	20,00	40,00	8,00	NBR	LI
TCS0258	00853	BRG	17,00	35,00	7,00	NBR	LI	TCS0299	---	BRG	20,00	40,00	10,00	NBR	LI
TCS0259	---	BRG	17,00	36,00	7,00	NBR	LI	TCS0300	---	BRG	20,00	47,00	7,00	NBR AZ	LI
TCS0260	---	BR	17,40	25,00	4,00	NBR	LI	TCS0301	---	BRG	20,00	47,00	7,00	NBR	LI
TCS0261	---	GR	18,00	24,00	3,00	NBR	LI	TCS0302	---	BRG	20,00	47,00	8,00	NBR	LI
TCS0262	---	BRG	18,00	28,00	7,00	NBR	LI	TCS0303	---	BRG	20,00	52,00	8,00	NBR	LI
TCS0263	---	BRG	18,00	30,00	6,00	NBR	LI	TCS0304	---	BRGF	21,00	35,00	7,00	FPM AZ	LI
TCS0264	---	BRG	18,00	32,00	7,00	NBR	LI	TCS0305	---	BRG	21,50	35,00	8,00	NBR	LI
TCS0265	---	BRGF	18,00	32,00	7,00	FPM	LI	TCS0306	---	BRAGF	20,00	36,00	6,00	FPM	LI
TCS0266	---	BRG	18,00	35,00	7,00	NBR	LI	TCS0307	---	GR	22,00	29,00	4,00	NBR	LI
TCS0267	---	BRG	18,00	35,00	8,00	NBR	LI	TCS0308	---	BA	22,00	32,00	7,00	NBR	LI
TCS0268	---	BRGF	18,00	40,00	8,00	FPM	LI	TCS0309	---	BRG	22,00	34,00	7,00	NBR	LI
TCS0269	---	BRG	18,90	30,00	5,00	NBR	LI	TCS0311	01112	BRG	22,00	38,00	8,00	NBR	LI
TCS0270	---	BRG	19,00	30,00	6,00	NBR	LI	TCS0312	---	BRG	22,00	40,00	6,00	NBR	LI
TCS0271	---	BRG	19,00	32,00	8,00	NBR	LI	TCS0314	---	BR	22,00	42,00	5,00	NBR	LI
TCS0272	---	BRG	19,00	35,00	7,00	NBR	LI	TCS0315	---	GR	22,00	42,00	5,00	NBR	LI
TCS0273	---	BRGF	19,00	35,00	7,00	FPM	LI	TCS0316	---	BRG	22,00	42,00	7,00	NBR	LI
TCS0274	---	BRG	19,00	36,00	7,00	NBR	LI	TCS0317	00815	BRG	22,00	42,00	10,00	NBR	LI
TCS0275	---	BRG	19,00	38,00	7,00	NBR	LI	TCS0318	01914	BRGF	22,00	42,00	10,00	FPM	LI



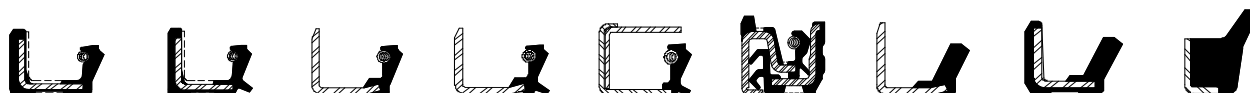
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CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
TCS0319	---	BRG	22,00	47,00	8,00	NBR	LI	TCS0360	---	BRGF	26,00	42,00	7,00	FPM AZ	LI
TCS0320	---	BRGF	22,50	37,00	7,00	FPM AZ	LI	TCS0361	---	BRG	26,00	42,00	8,00	NBR	LI
TCS0321	---	BRG	23,00	34,00	6,00	NBR	LI	TCS0363	---	BRG	26,00	48,00	8,00	NBR	LI
TCS0322	---	BRG	23,00	35,00	6,00	NBR	LI	TCS0364	---	BRG	27,00	38,00	6,00	NBR	LI
TCS0323	---	BR	23,42	29,77	4,78	NBR	LI	TCS0365	---	BRG	27,00	42,00	7,00	NBR	LI
TCS0324	---	BRG	24,00	35,00	7,00	NBR	LI	TCS0366	---	BRG	28,00	38,00	7,00	NBR	LI
TCS0325	---	BRG	24,00	40,00	7,00	NBR	LI	TCS0367	---	BRG	28,00	40,00	5,00	NBR	LI
TCS0326	---	BRGF	24,00	40,00	8,00	FPM	LI	TCS0368	---	BRGF	28,00	40,00	6,00	FPM	LI
TCS0327	---	BRG	70,00	120,00	10,00	NBR	LI	TCS0369	01495	BRG	28,00	40,00	7,00	NBR	LI
TCS0327	---	BRG	70,00	120,00	10,00	NBR	LI	TCS0370	02413	BRG	28,00	40,00	8,00	NBR	LI
TCS0328	---	B	24,61	38,07	7,94	NBR	LI	TCS0371	---	BRG	28,00	42,00	6,00	NBR	LI
TCS0329	02107	GA	25,00	35,00	5,00	NBR	LI	TCS0372	---	BRF	28,00	42,00	7,00	FPM	LI
TCS0330	---	BRG	25,00	35,00	7,00	NBR	LI	TCS0373	---	BRG	28,00	44,00	7,00	NBR	LI
TCS0331	---	BRG	25,00	37,00	5,00	NBR	LI	TCS0374	---	BRG	28,00	45,00	8,00	NBR	LI
TCS0332	---	BRG	25,00	37,00	6,00	NBR	LI	TCS0375	---	BR	28,45	38,10	6,35	NBR	LI
TCS0333	---	BRG	25,00	37,00	7,00	NBR	LI	TCS0378	---	BRG	28,58	41,28	6,35	NBR	LI
TCS0334	---	GR	25,00	38,00	5,00	NBR	LI	TCS0379	---	BR	28,58	55,37	12,70	NBR	LI
TCS0335	---	BA	25,00	38,00	6,00	NBR	LI	TCS0380	---	BRG	30,00	40,00	5,00	NBR	LI
TCS0336	---	BAF	25,00	38,00	6,00	FPM	LI	TCS0381	---	BRG	30,00	42,00	5,00	NBR	LI
TCS0337	---	BRG	25,00	38,00	7,00	NBR	LI	TCS0382	---	BAG	30,00	42,00	6,00	NBR	LI
TCS0338	---	BRGF	25,00	38,00	7,00	FPM	LI	TCS0383	---	BR	30,00	42,00	7,00	NBR	LI
TCS0339	---	BRG	25,00	38,00	8,00	NBR	LI	TCS0386	---	BRG	30,00	42,00	8,00	NBR	LI
TCS0340	---	BRG	25,00	40,00	7,00	NBR	LI	TCS0387	---	BRGF	30,00	42,00	8,00	FPM	LI
TCS0341	---	BRGF	25,00	40,00	8,00	FPM	LI	TCS0388	---	BRG	30,00	43,00	8,00	NBR	LI
TCS0342	01604	BRG	25,00	42,00	6,00	NBR	LI	TCS0389	---	BRG	30,00	45,00	8,00	NBR	---
TCS0343	---	BRG	25,00	42,00	7,00	NBR	LI	TCS0390	---	BRGF	30,00	45,00	8,00	FPM	---
TCS0344	---	BA	25,00	43,00	6,00	NBR	LI	TCS0391	---	BRG	30,00	47,00	7,00	NBR	LI
TCS0345	---	BR	25,00	43,00	6,00	NBR	LI	TCS0392	---	BRG	30,00	48,00	7,00	NBR	LI
TCS0346	---	BAG	25,00	43,00	8,00	NBR	LI	TCS0393	---	BRGF	30,00	50,00	7,00	FPM	LI
TCS0347	---	BRG	25,00	45,00	7,00	NBR	LI	TCS0394	---	BR	30,00	50,00	8,00	NBR	LI
TCS0348	---	BRG	25,00	45,00	11,00	NBR	LI	TCS0395	---	BRG	30,00	50,00	8,00	NBR	LI
TCS0349	---	BRGF	25,00	47,00	5,00	FPM AZ	LI	TCS0396	---	BRGF	30,00	50,00	10,00	FPM	LI
TCS0350	---	BRGF	25,00	47,00	7,00	FPM	LI	TCS0397	---	BRG	35,00	50,00	11,00	NBR	LI
TCS0353	---	BRGF	25,00	50,00	10,00	FPM	LI	TCS0398	00248	BR	142,90	171,05	14,30	NBR	LI
TCS0354	---	BRG	25,00	52,00	10,00	NBR	LI	TCS0400	---	BAG	30,00	55,00	7,00	NBR	LI
TCS0355	---	BRF	25,00	62,00	7,00	FPM	LI	TCS0401	---	BRGF	30,00	60,00	10,00	FPM	LI
TCS0356	---	BRG	25,00	62,00	7,00	NBR	LI	TCS0402	---	BRF	30,00	62,00	7,00	FPM	LI
TCS0357	---	BRG	25,00	62,00	10,00	NBR	LI	TCS0404	---	BAG	30,00	72,00	7,00	NBR	LI
TCS0358	---	BA	25,40	38,10	6,35	NBR	LI	TCS0405	---	BA	31,00	43,00	6,00	NBR	LI
TCS0359	---	BRG	25,40	38,10	9,53	NBR	LI	TCS0406	---	BAGF	31,00	43,00	6,00	FPM	LI



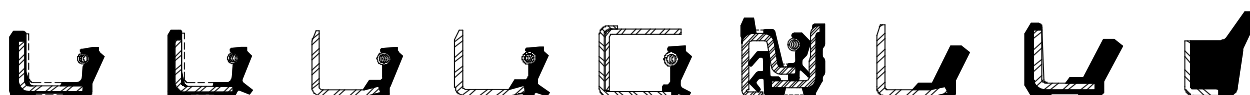
REFERÊNCIA AGEL

CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
TCS0407	---	GR	31,50	41,00	4,00	NBR	LI	TCS0450	---	GA	40,00	52,00	6,00	NBR	LI
TCS0408	---	BA	31,75	43,00	6,00	NBR	LI	TCS0451	---	BRF	40,00	52,00	7,00	FPM	LI
TCS0409	---	BAG	31,75	50,80	12,27	NBR	LI	TCS0452	---	BRG	40,00	52,00	7,00	NBR	LI
TCS0410	---	BAG	32,00	42,00	6,00	NBR	LI	TCS0453	---	BRG	40,00	54,00	7,00	NBR	LI
TCS0411	---	BRG	32,00	44,00	7,00	NBR	LI	TCS0454	---	BAG	40,00	55,00	6,50	NBR	LI
TCS0412	---	BRG	32,00	46,00	6,00	NBR	LI	TCS0455	02031	BRG	40,00	56,00	7,00	NBR	LI
TCS0413	00839	BRG	32,00	50,00	8,00	NBR	LI	TCS0456	---	BRG	40,00	56,00	8,00	NBR	LI
TCS0414	---	BRGF	32,00	50,00	10,00	FPM	LI	TCS0457	---	BRG	40,00	58,00	7,00	NBR	LI
TCS0416	---	BRGF	32,00	55,00	10,00	FPM	LI	TCS0458	---	BRG	40,00	58,00	8,00	NBR	LI
TCS0417	---	BRG	32,00	58,00	10,00	NBR	LI	TCS0462	---	BRG	40,00	68,00	8,00	NBR	LI
TCS0418	---	BRG	32,00	62,00	8,00	NBR	LI	TCS0464	---	BRG	40,00	90,00	8,00	NBR	LI
TCS0419	---	BR	34,00	44,00	4,00	NBR	LI	TCS0465	---	BRGF	40,00	90,00	10,00	FPM	LI
TCS0420	---	BR	34,00	44,00	7,00	NBR	LI	TCS0466	---	BR	41,28	61,90	12,70	NBR	LI
TCS0421	---	BRG	34,00	48,00	8,00	NBR	LI	TCS0467	---	BA	42,00	55,00	7,00	NBR	LI
TCS0422	---	BRGF	34,00	55,00	10,00	FPM	LI	TCS0468	---	BRG	42,00	60,00	7,00	NBR	LI
TCS0423	---	BRG	34,00	58,00	6,00	NBR	LI	TCS0469	---	BRG	42,00	62,00	7,00	NBR	LI
TCS0424	---	BR	34,93	47,63	6,35	NBR	LI	TCS0470	---	BRGF	42,00	62,00	8,00	FPM AZ	LI
TCS0425	---	BRG	35,00	45,00	8,00	NBR	LI	TCS0471	---	BRG	42,00	65,00	7,00	NBR	LI
TCS0426	---	BRGF	35,00	45,00	8,00	FPM	LI	TCS0472	---	BRG	42,00	68,00	8,00	NBR	LI
TCS0427	---	BRG	35,00	46,00	7,00	NBR	LI	TCS0473	---	BRG	42,00	72,00	8,00	NBR	LI
TCS0428	---	BRG	35,00	47,00	7,00	NBR	LI	TCS0474	---	BRG	43,00	58,00	7,50	NBR	LI
TCS0429	---	BRG	35,00	48,00	7,00	NBR	LI	TCS0475	---	BRG	43,50	62,00	6,50	NBR	LI
TCS0430	---	BRG	35,00	48,00	8,00	NBR	LI	TCS0476	---	BAG	43,66	65,05	12,70	NBR	LI
TCS0431	---	BRG	35,00	49,00	7,00	NBR	LI	TCS0477	---	GA	43,66	65,05	12,70	NBR	LI
TCS0432	---	BRGF	35,00	50,00	11,00	FPM	LI	TCS0478	---	BRG	44,00	52,00	6,00	NBR	LI
TCS0434	---	BRG	35,00	54,00	8,00	NBR	LI	TCS0479	---	BRG	44,00	58,00	8,00	NBR	LI
TCS0436	---	BRG	13,00	24,00	7,00	NBR	LI	TCS0480	---	BRG	44,00	62,00	7,00	NBR	LI
TCS0437	---	BRG	35,00	70,00	8,00	NBR	LI	TCS0481	---	BRG	18,00	30,00	7,00	NBR	LI
TCS0438	---	BRF	36,00	50,00	7,00	FPM	LI	TCS0482	---	BRG	45,00	55,00	8,00	NBR	LI
TCS0439	---	BRG	35,00	60,00	10,00	NBR	LI	TCS0483	---	BRG	45,00	58,00	7,00	NBR	LI
TCS0440	---	BRG	36,50	62,00	7,00	NBR	LI	TCS0511	---	BA	45,00	60,00	6,00	NBR	LI
TCS0441	---	BR	38,00	50,00	7,00	NBR	LI	TCS0512	---	BRG	45,00	60,00	8,00	NBR	LI
TCS0442	---	BR	38,00	50,00	8,00	NBR	LI	TCS0513	---	BRF	45,00	62,00	8,00	FPM	LI
TCS0443	---	BAG	38,00	52,00	7,00	NBR	LI	TCS0514	---	BRG	45,00	62,00	8,00	NBR	LI
TCS0444	---	BRG	38,00	58,00	7,00	NBR	LI	TCS0515	---	BRGF	45,00	62,00	8,00	FPM	LI
TCS0445	---	BRG	38,00	68,00	8,00	NBR	LI	TCS0516	---	BRGF	45,00	62,00	9,00	FPM	LI
TCS0446	---	BRG	38,89	53,19	8,00	NBR	LI	TCS0517	00460	BR	62,00	85,00	10,00	NBR	LI
TCS0447	---	BRGF	40,00	50,00	5,00	FPM AZ	LI	TCS0519	02324	BRG	45,00	65,00	8,00	NBR	LI
TCS0448	---	BRG	40,00	50,00	7,00	NBR	LI	TCS0520	---	BRG	45,00	68,00	12,00	NBR	LI
TCS0449	---	BRG	40,00	50,00	8,00	NBR	LI	TCS0521	---	BRG	45,00	70,00	10,00	NBR	LI



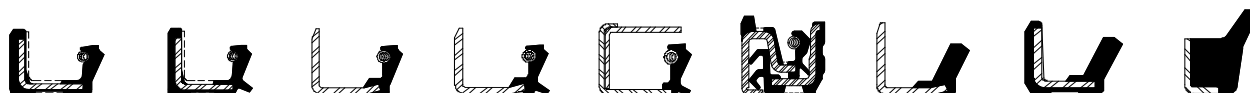
REFERÊNCIA AGEL

CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
TCS0522	---	BRG	45,00	70,00	12,00	NBR	LI	TCS0563	---	BRG	60,00	75,00	8,00	FPM	LI
TCS0523	---	BRG	45,00	72,00	7,00	NBR	LI	TCS0564	---	BRG	60,00	75,00	8,00	NBR	LI
TCS0524	---	BRG	46,00	58,00	7,00	NBR	LI	TCS0567	---	BRGF	60,00	82,00	12,00	FPM	LI
TCS0525	---	BRGS	47,00	66,50	11,00	MVQ	LI	TCS0568	01841	BRG	60,00	82,00	12,00	NBR	LI
TCS0526	---	BRG	47,22	63,50	6,35	NBR	LI	TCS0569	00021	BG	60,33	88,42	11,13	NBR	LI
TCS0527	---	BRGF	48,00	62,00	8,00	FPM	LI	TCS0570	---	BG	60,33	89,99	9,53	NBR	LI
TCS0528	---	BRG	48,00	62,00	9,00	NBR	LI	TCS0571	---	BG	63,50	85,09	11,13	NBR	LI
TCS0529	---	BR	48,00	70,00	12,00	NBR	LI	TCS0572	---	BR	64,00	80,00	8,00	NBR	LI
TCS0530	---	BRG	48,00	110,00	12,00	NBR	LI	TCS0573	---	BRG	65,00	80,00	12,00	NBR	LI
TCS0531	---	BA	49,00	62,00	7,00	NBR	LI	TCS0574	---	BRGF	65,00	85,00	10,00	FPM	LI
TCS0532	---	BRG	50,00	65,00	9,00	NBR	LI	TCS0575	---	BRG	65,00	85,00	13,00	NBR	LI
TCS0533	---	B	50,00	70,00	8,00	NBR	LI	TCS0577	---	BAG	69,00	85,00	10,00	NBR	LI
TCS0534	---	BAG	50,00	70,00	9,00	NBR	LI	TCS0578	---	BAF	70,00	85,00	9,00	FPM	LI
TCS0536	---	BRG	50,00	80,00	10,00	NBR	LI	TCS0579	---	BRG	70,00	88,00	12,00	NBR	LI
TCS0537	---	BRGF	50,00	90,00	10,00	FPM	LI	TCS0580	---	BAF	70,00	90,00	10,00	FPM	LI
TCS0538	---	BRG	50,50	62,00	9,00	NBR	LI	TCS0582	---	BRG	70,00	90,00	12,00	NBR	LI
TCS0539	---	BG	50,80	81,00	11,90	NBR	LI	TCS0583	---	BRG	70,00	92,00	12,00	NBR	LI
TCS0540	---	BR	52,00	71,00	9,00	NBR	LI	TCS0584	---	BRG	70,00	95,00	12,00	NBR	LI
TCS0541	---	BRG	52,00	75,00	12,00	NBR	LI	TCS0585	---	BRG	70,00	100,00	10,00	NBR	LI
TCS0542	---	BG	53,19	77,80	12,70	NBR	LI	TCS0586	---	BRG	70,00	110,00	8,00	NBR	LI
TCS0543	---	BGF	53,98	76,20	9,53	FPM	LI	TCS0587	---	BRG	70,00	125,00	12,00	NBR	LI
TCS0544	---	BRG	55,00	70,00	8,00	NBR	LI	TCS0588	---	BRG	75,00	90,00	8,00	NBR	LI
TCS0545	---	BRG	55,00	70,00	9,00	NBR	LI	TCS0589	02451	BRG	75,00	90,00	10,00	NBR	LI
TCS0546	---	BRG	55,00	70,00	10,00	NBR	LI	TCS0590	---	BRG	75,00	92,00	12,00	NBR	LI
TCS0547	---	BRGF	55,00	72,00	8,00	FPM	LI	TCS0592	---	BAG	16,00	30,00	6,30	NBR	LI
TCS0548	---	BAGF	55,00	72,00	9,00	FPM	LI	TCS0593	01044	BAG	74,00	90,00	10,00	NBR	LI
TCS0549	02111	BRG	55,00	72,00	9,00	NBR	LI	TCS0594	---	BAGF	75,00	100,00	13,00	FPM	LI
TCS0550	---	BRG	55,00	72,00	10,00	NBR	LI	TCS0595	---	BRG	75,00	100,00	13,00	NBR	LI
TCS0551	---	BAG	55,00	75,00	8,00	NBR	LI	TCS0596	---	BR	75,00	110,00	13,00	NBR	LI
TCS0552	---	BRG	55,00	75,00	8,00	NBR	LI	TCS0598	---	BAG	76,20	96,85	9,53	NBR	LI
TCS0553	---	BRG	55,00	75,00	9,00	NBR	LI	TCS0599	---	BRGS	79,30	99,00	10,00	MVQ	LI
TCS0554	---	BGF	55,00	75,00	16,00	FPM	LI	TCS0600	---	BRG	80,00	95,00	9,00	NBR	LI
TCS0555	---	BRG	55,00	78,00	12,00	NBR	LI	TCS0601	---	BRG	80,00	96,00	9,00	NBR	LI
TCS0556	---	BRG	55,00	85,00	8,00	NBR	LI	TCS0602	---	BAF	80,00	100,00	10,00	FPM	LI
TCS0557	---	BR	55,00	100,00	12,00	NBR	LI	TCS0603	02661	BRG	80,00	100,00	12,00	NBR	LI
TCS0558	---	BR	58,00	80,00	7,00	NBR	LI	TCS0604	---	BRGF	80,00	100,00	13,00	FPM	LI
TCS0559	---	BAG	58,00	80,00	10,00	NBR	LI	TCS0605	---	BRG	80,00	105,00	10,00	NBR	LI
TCS0560	---	BRG	59,13	73,03	7,94	NBR	LI	TCS0606	---	BRG	80,00	105,00	12,00	NBR	LI
TCS0561	---	BRF	60,00	72,00	8,00	FPM	LI	TCS0607	---	BRG	80,00	110,00	10,00	NBR	LI
TCS0562	---	BRG	60,00	72,00	8,00	NBR	LI	TCS0608	---	BRG	85,00	100,00	12,00	NBR	LI



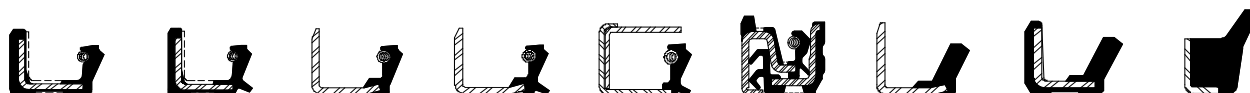
REFERÊNCIA AGEL

CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
TCS0609	---	GA	47,00	63,00	6,00	PU	LI	TCS0653	---	BR	150,00	180,00	12,00	NBR	LI
TCS0610	---	BRG	90,00	110,00	10,00	NBR	LI	TCS0654	---	BRGF	160,00	190,00	14,00	FPM	LI
TCS0611	02574	BRG	90,00	110,00	12,00	NBR	LI	TCS0655	---	BRGF	160,00	190,00	15,00	FPM	LI
TCS0612	---	BRG	90,00	115,00	13,00	NBR	LI	TCS0656	---	BRGF	165,00	200,00	15,00	FPM	LI
TCS0613	02571	BRGF	90,00	120,00	12,00	FPM	LI	TCS0657	---	BR	180,00	220,00	15,00	NBR	LI
TCS0614	---	B	95,00	115,00	13,00	NBR	LI	TCS0658	---	BRGF	190,00	220,00	15,00	FPM	LI
TCS0615	---	B	95,00	115,00	13,00	ACM	LI	TCS0659	---	BRG	200,00	230,00	15,00	NBR	LI
TCS0616	---	BAO	17,00	28,00	6,50	NBR	LI	TCS0660	---	B	209,55	260,35	15,88	NBR	LI
TCS0619	---	BRG	100,00	120,00	10,00	NBR	LI	TCS0661	---	BRG	220,00	260,00	22,00	NBR	LI
TCS0620	---	BAF	100,00	120,00	11,00	FPM	LI	TCS0662	---	BA	230,00	254,00	12,00	NBR	LI
TCS0621	01375	BRG	100,00	120,00	12,00	NBR	LI	TCS0663	---	BRG	240,00	270,00	15,00	NBR	LI
TCS0622	00291	B	49,20	76,05	12,70	NBR	LI	TCS0664	---	BRG	240,00	280,00	15,00	NBR	LI
TCS0623	---	BRG	100,00	125,00	13,00	NBR	LI	TCS0665	---	BRGF	250,00	280,00	15,00	FPM	LI
TCS0625	01974	BRG	100,00	130,00	13,00	NBR	LI	TCS0666	---	BRG	250,00	280,00	15,00	NBR	LI
TCS0626	---	BRG	100,00	180,00	12,00	NBR	LI	TCS0671	---	BRGG	19,00	32,00	6,00	NBR	LI
TCS0627	02985	BRGF	105,00	130,00	12,00	FPM	LI	TCS0676	---	BRG	18,00	28,00	5,00	NBR	LI
TCS0628	---	BRG	105,00	150,00	14,00	NBR	LI	TCS0677	---	BR	35,00	46,00	7,00	NBR	LI
TCS0629	---	BRG	107,95	152,40	12,70	NBR	LI	TCS0678	---	BRG	19,00	32,00	5,00	NBR	LI
TCS0630	---	BRG	110,00	130,00	12,00	NBR	LI	TCS0679	---	BAG	16,00	30,00	6,00	NBR	LI
TCS0631	---	BRG	110,00	135,00	12,00	NBR	LI	TCS0682	---	BRG	26,00	35,50	6,50	NBR	LI
TCS0632	---	BRG	110,00	140,00	12,00	NBR	LI	TCS0683	---	BR	26,00	37,00	7,00	NBR	LI
TCS0633	---	BRGF	110,00	140,00	13,00	FPM	LI	TCS0684	---	BAG	17,00	32,00	7,00	NBR	LI
TCS0634	---	BRG	110,00	140,00	14,00	NBR	LI	TCS0685	---	BAG	18,00	34,00	8,00	NBR	LI
TCS0635	---	BRGF	110,00	140,00	14,00	FPM	LI	TCS0686	---	BRG	18,00	32,00	8,00	NBR	LI
TCS0636	---	BRG	114,30	152,40	12,70	NBR	LI	TCS0687	---	GR	20,00	26,00	3,00	NBR	LI
TCS0637	---	BAGF	115,00	145,00	14,00	FPM	LI	TCS0688	---	BAG	24,00	43,00	8,50	NBR	LI
TCS0638	---	BRG	118,00	150,00	12,00	NBR	LI	TCS0696	---	HASTE	8,40	18,50	7,50	FPM	LI
TCS0640	---	BRGF	120,00	150,00	14,00	FPM	LI	TCS0697	05142	BRAG	20,00	31,00	7,00	NBR	LI
TCS0641	---	BRG	120,00	150,00	14,00	NBR	LI	TCS0698	05141	BRAG	17,00	28,00	7,00	NBR	LI
TCS0642	---	BRG	125,00	155,00	14,00	NBR	LI	TCS0708	---	BR	23,00	38,00	7,00	NBR	LI
TCS0643	---	BRGS	130,00	160,00	13,00	MVQ VR	LI	TCS0713	01366	B	35,00	72,00	10,00	NBR	LI
TCS0644	---	BAGF	130,00	160,00	14,00	FPM	LI	TCS0716	00218	B	36,50	57,05	12,70	NBR	LI
TCS0645	---	BRG	130,00	160,00	14,00	NBR	LI	TCS0717	---	BRG	136,00	158,00	12,00	NBR	LI
TCS0646	---	BRG	135,00	165,00	14,00	NBR	LI	TCS0718	---	AGGC	33,30	46,43	3,75	NBR	LI
TCS0647	---	BRG	140,00	160,00	14,00	NBR	LI	TCS0719	---	BAG	19,05	33,36	7,94	NBR	LI
TCS0648	---	BRGF	140,00	170,00	15,00	FPM	LI	TCS0720	01802	BR	42,00	62,00	6,00	NBR	LI
TCS0649	---	BRG	140,00	170,00	15,00	NBR	LI	TCS0721	---	BRG	36,00	63,50	8,00	NBR	LI
TCS0650	---	BRG	145,00	170,00	12,00	NBR	LI	TCS0722	---	BRG	79,00	110,00	10,00	NBR	LI
TCS0651	---	BRG	145,00	170,00	13,00	NBR	LI	TCS0723	---	BR	68,00	100,00	10,00	NBR	LI
TCS0652	---	BRGF	145,00	180,00	12,00	FPM	LI	TCS0724	---	BRG	107,00	140,00	13,00	NBR	LI



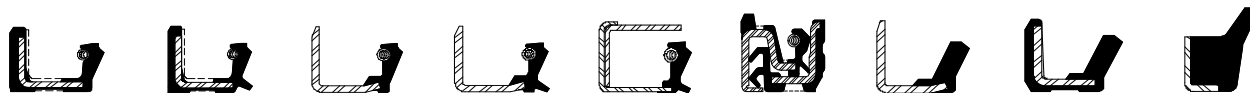
REFERÊNCIA AGEL

CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
TCS0725	---	BRG	98,00	130,00	12,00	NBR	LI	TCS0800	02091	BAG	35,00	62,00	12,00	NBR	LI
TCS0726	---	GB	40,00	62,00	12,00	NBR	LI	TCS0801	01602	BAG	40,00	72,00	12,00	NBR	LI
TCS0727	00998	BRG	8,50	16,00	6,50	NBR	LI	TCS0802	00618	BAG	85,00	110,00	14,00	NBR	LI
TCS0728	01930	BAG	54,10	73,00	8,50	NBR	LI	TCS0803	02395	BAGG	45,00	73,10	13,00	NBR	LI
TCS0729	01931	BAG	41,40	70,60	7,90	NBR	LI	TCS0804	02392	BRGE2	55,00	70,00	6,0/10,2	NBR	BI
TCS0732	---	BRG	50,80	69,85	8,00	NBR	LI	TCS0805	02442	BAGE	50,00	65,00	9,7/14,0	NBR	BI
TCS0733	---	BR	28,00	42,00	7,00	NBR	LI	TCS0806	01581	BG	30,00	72,00	10,00	NBR	LI
TCS0734	---	BRG	105,00	130,00	12,00	NBR	LI	TCS0807	---	BRG	40,00	68,00	10,00	NBR	LI
TCS0735	---	BRG	160,00	190,00	15,00	NBR	LI	TCS0808	00834	BRG	50,00	72,10	10,00	NBR	LI
TCS0736	---	BG	69,80	98,45	9,50	NBR	LI	TCS0809	---	B	79,80	98,40	9,50	NBR	LI
TCS0738	---	BRG	100,00	140,00	13,00	NBR	LI	TCS0810	02689	BAG	12,00	20,00	5,00	NBR	LI
TCS0739	---	BRG	140,00	160,00	12,00	NBR	LI	TCS0811	---	BRG	40,00	90,00	10,00	NBR	LI
TCS0740	02685	BRG	60,00	90,00	8,00	NBR	LI	TCS0812	03252	BRG	14,00	22,00	5,00	NBR	LI
TCS0741	---	BRG	38,00	63,70	8,00	NBR	LI	TCS0813	01348	BRG	15,00	30,00	10,00	NBR	LI
TCS0742	---	BRG	65,00	100,00	8,00	NBR	LI	TCS0814	---	BRG	15,00	35,00	10,00	NBR	LI
TCS0743	02927	BRG1	8,70	13,50	11,00	FPM	LI	TCS0815	01415	BRG	17,00	35,00	10,00	NBR	LI
TCS0754	---	BRG	20,00	36,00	7,00	NBR	LI	TCS0818	---	BRG	110,00	140,00	13,00	NBR	LI
TCS0756	---	BR	28,00	38,00	7,00	NBR	LI	TCS0819	02570	BRGF	25,00	40,00	7,00	FPM	LI
TCS0757	---	BR	25,00	35,00	7,00	NBR	LI	TCS0820	02802	BRGF	25,00	35,00	7,00	FPM	LI
TCS0758	---	BRG1	23,50	32,50	5,3/6,0	NBR	LI	TCS0821	---	BAO	17,00	32,00	8,50	NBR	LI
TCS0767	---	BRG	26,00	35,00	6,00	NBR	LI	TCS0823	---	BRG	18,70	35,00	7,00	NBR	LI
TCS0772	---	BR	28,00	37,60	6,00	NBR	LI	TCS0824	---	BRG	19,00	30,00	5,00	NBR	LI
TCS0773	---	BR	20,60	41,00	6,30	NBR	LI	TCS0825	---	GA	30,20	42,00	6,00	NBR	LI
TCS0776	---	BR	23,00	35,00	6,50	NBR	LI	TCS0826	---	BRG	19,05	34,60	6,30	NBR	LI
TCS0779	00358	BRG	30,00	50,00	10,00	NBR	LI	TCS0827	---	BR	33,00	46,00	7,00	NBR	LI
TCS0780	---	BRG	25,00	50,00	10,00	NBR	LI	TCS0829	---	BR	25,00	34,00	5,00	NBR	LI
TCS0781	02373	BRG	13,00	26,00	7,00	NBR	LI	TCS0830	---	BRGG	19,00	37,00	6,50	NBR	LI
TCS0785	---	BRG1	22,30	32,20	5,0/7,0	NBR	LI	TCS0832	---	BRG	50,00	72,00	8,00	NBR	LI
TCS0786	---	BRG	26,00	37,00	7,00	NBR	LI	TCS0833	---	BRG	20,00	32,00	5,50	NBR	LI
TCS0787	03005	BRG	12,00	21,00	5,00	NBR	LI	TCS0834	---	BRG	26,00	34,00	4,50	NBR	LI
TCS0789	---	BRG	37,00	83,00	12,00	NBR	LI	TCS0837	02171	BR	10,00	19,00	7,00	NBR	LI
TCS0790	00490	BRG	70,00	90,00	13,00	NBR	LI	TCS0838	00821	BR	19,05	31,75	6,35	NBR	LI
TCS0791	01299	BRG	28,60	38,10	5,95	NBR	LI	TCS0839	01149	BR	31,75	44,45	6,35	NBR	LI
TCS0792	02675	BRG	40,08	82,95	9,92	NBR	LI	TCS0840	---	BR	38,00	50,00	7,00	NBR	LI
TCS0793	00141	BAG	25,40	38,10	9,92	NBR	LI	TCS0841	01193	BR	130,00	160,00	12,00	NBR	LI
TCS0794	01576	BAG	16,00	22,10	6,40	NBR	LI	TCS0842	01630	BAG	31,75	42,86	7,94	NBR	LI
TCS0796	01389	BAG	14,00	24,00	7,00	NBR	LI	TCS0843	02169	BAG	45,00	62,00	7,00	NBR	LI
TCS0797	01935	BAG	20,00	30,00	7,00	NBR	LI	TCS0844	02116	BAGP	60,33	82,55	11,11	ACM	LI
TCS0798	00766	BAG	15,00	30,00	8,00	NBR	LI	TCS0845	02270	B	32,00	72,00	10,00	NBR	LI
TCS0799	02062	BAG	25,00	40,00	7,00	NBR	LI	TCS0846	---	BRG	85,00	125,00	10,00	NBR	LI



REFERÊNCIA AGEL

CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
TCS0847	---	BRG	95,00	110,00	12,00	NBR	LI	TCS0911	00644	BG	82,50	107,85	11,90	NBR	LI
TCS0848	01737	BR	11,00	17,00	4,00	NBR	LI	TCS0912	---	BRG	25,00	35,00	10,00	NBR	LI
TCS0849	01737	BR	11,00	17,00	4,00	NBR AZUL	LI	TCS0914	01194	BR	60,00	85,10	12,70	NBR	LI
TCS0850	---	BR	200,00	230,00	13,00	NBR	LI	TCS0915	01738	BG	45,00	60,00	10,00	NBR	LI
TCS0858	---	BAG	17,00	34,00	8,00	NBR	LI	TCS0916	01779	BG	22,00	47,00	9,00	NBR	LI
TCS0860	01828	B	61,90	79,95	10,00	NBR	LI	TCS0917	01807	BAG	50,00	70,00	12,00	NBR	LI
TCS0861	00609	BRG	75,00	100,00	10,00	NBR	LI	TCS0918	---	BA	45,00	72,00	10,00	NBR	LI
TCS0863	02225	BRG	40,00	68,00	12,00	NBR	LI	TCS0919	01182	BRG	30,00	72,00	9,50	NBR	LI
TCS0864	01656	BRG	44,50	70,00	10,00	NBR	LI	TCS0921	02036	GB	73,00	101,60	17,40	NBR	LI
TCS0865	00919	BRG	56,00	85,00	13,00	NBR	LI	TCS0922	02017	GB	73,50	95,00	18,00	NBR	LI
TCS0866	00118	BAG	22,00	35,00	10,00	NBR	LI	TCS0923	02246	BAG	168,00	188,00	31,50	NBR	LI
TCS0868	02981	GA	43,00	52,00	6,50	NBR	LI	TCS0924	---	BR	115,00	140,35	13,00	NBR	LI
TCS0871	00795	BRG	16,00	30,00	10,00	NBR	LI	TCS0925	01657	BA	38,00	57,00	7,00	NBR	LI
TCS0872	---	HASTE	9,00	12,00	4,00/10,50	FPM	LI	TCS0927	01959	BAG	15,00	35,00	7,00	NBR	LI
TCS0879	02531	BRG	75,00	95,00	10,00	NBR	LI	TCS0928	00980	BA	16,00	28,00	7,00	NBR	LI
TCS0880	02127	BG	76,20	101,60	11,12	NBR	LI	TCS0929	00798	BA	19,00	31,90	7,00	NBR	LI
TCS0881	05142	BRAG	20,00	31,00	7,30	MVQ	LI	TCS0930	00767	BA	20,00	32,00	5,00	NBR	LI
TCS0882	---	BA	10,00	27,00	6,70	NBR	LI	TCS0931	00769	BA	22,00	31,90	5,00	NBR	LI
TCS0883	---	BA	10,00	25,50	6,30	NBR	LI	TCS0932	---	BRG	160,00	180,00	15,00	NBR	LI
TCS0884	---	BA	12,70	28,50	6,50	NBR	LI	TCS0933	---	BRG	40,00	85,00	10,00	NBR	LI
TCS0885	---	BA	12,70	27,00	6,50	NBR	LI	TCS0934	---	BRGF	60,00	80,00	12,00	FPM	LI
TCS0886	---	BA	12,00	26,00	7,00	NBR	LI	TCS0936	00359	BR	45,00	65,00	10,00	NBR	LI
TCS0887	---	BA	12,00	25,00	7,00	NBR	LI	TCS0937	---	B	72,20	100,00	12,70	NBR	LI
TCS0894	---	BA	26,00	43,15	10,00	NBR	LI	TCS0938	---	B	15,90	23,80	4,80	NBR	LI
TCS0895	00818	BR	60,00	80,00	13,00	NBR	LI	TCS0945	---	BRAG	19,05	33,30	7,20	NBR	H
TCS0896	00793	BAG	55,00	90,00	10,00	NBR	LI	TCS0946	---	BRG	19,00	28,00	5,00	NBR	LI
TCS0897	01746	BG	20,00	42,00	10,00	NBR	LI	TCS0947	---	BR	22,00	30,00	4,00	NBR	LI
TCS0898	00005	B	52,40	80,95	11,50	NBR	LI	TCS0952	---	BRG	48,00	62,00	7,00	NBR	LI
TCS0899	00533	BA	42,80	68,15	10,70	NBR	LI	TCS0953	---	BRG	14,00	22,00	4,00	ACM	LI
TCS0900	01963	BAG	41,10	49,30	6,50	NBR	LI	TCS0954	---	BRG	28,00	38,30	5,00	NBR	LI
TCS0901	00276	B	44,50	73,00	12,00	NBR	LI	TCS0958	---	BRG	40,00	85,00	12,00	NBR	LI
TCS0902	01901	BG	101,80	127,10	11,90	NBR	LI	TCS0968	---	B	133,35	158,75	12,70	NBR	LI
TCS0903	00616	BR	102,00	130,00	13,00	NBR	LI	TCS0971	---	BRG	19,05	38,00	5,00	NBR	LI
TCS0904	01253	BG	89,00	114,25	12,70	NBR	LI	TCS0976	---	BR	24,00	35,40	6,50	NBR	LI
TCS0905	01660	BAGE1	39,40	80,20	6,4/11,8	NBR	BI	TCS0979	---	BRG	120,00	160,00	12,00	NBR	LI
TCS0906	02416	BAG	82,50	120,00	15,00	NBR	LI	TCS0980	---	BRG	130,00	160,00	13,00	NBR	LI
TCS0907	00838	BG	53,00	75,00	12,00	NBR	LI	TCS0981	---	BAG	70,00	85,00	8,00	NBR	LI
TCS0908	02095	GA	35,00	42,00	4,00	NBR	LI	TCS0982	---	BRG	40,00	80,00	12,00	NBR	LI
TCS0909	00837	B	40,00	70,00	12,00	NBR	LI	TCS0989	---	GR	19,05	35,00	6,00	NBR	LI
TCS0910	---	BF	87,30	114,30	22,20	FPM	LI	TCS0991	---	BRG	25,00	36,00	5,00	NBR	LI



REFERÊNCIA AGEL

CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI	CÓDIGO	REF	MOD.	Ø INT.	Ø EXT.	H1 / H2	MAT	ORI
TCS0992	---	BRG	110,00	160,00	12,00	NBR	LI								
TCS0995	---	GAE	30,00	40,00	7,0/10,0	NBR	LI								
TCS0998	---	BRG1	19,00	38,10	6,5/9,0	NBR	LI								
TCS1000	---	BRG	38,00	55,00	8,00	NBR	LI								
TCS1001	02822	BRG	40,00	52,00	6,00	NBR	LI								
TCS1002	02224	BRG	35,00	56,00	10,00	NBR	LI								
TCS1003	---	BRG	40,00	70,00	10,00	NBR	LI								
TCS1004	---	BRG	60,00	90,00	12,00	NBR	LI								
TCS1005	---	BRG	19,00	32,00	5,00	NBR	LI								
TCS1006	---	BRG	24,00	33,00	5,00	NBR	LI								
TCS1007	---	BRO	20,00	34,00	8,00	NBR	LI								
TCS1008	---	BRAG	17,00	29,00	8,00	NBR	LI								
TCS1009	---	BRGF	60,00	90,00	8,00	FPM	LI								
TCS1010	---	BRG	45,00	100,00	10,00	NBR	LI								
TCS1011	---	GAE	36,00	46,00	7,0/10,0	NBR	LI								
TCS1012	---	GA	7,95	15,88	3,96	NBR	LI								
TCS1014	---	BRG	20,00	35,00	6,00	NBR	LI								

Tecnologia em Retentores

AGEL, detentora da marca APC, consolida parceria com a gigante internacional TCS. Excelência em produtos e serviços reconhecidos mundialmente e atestados pela certificação IATF 16949:2016.

Aplicação Automotiva:

- caixa de direção
- cubo de roda
- câmbio e girabrequim
- amortecedor
- compressor de ar
- transmissão
- selo de haste de válvula

Aplicação Industrial:

- rolamentos
- redutores
- motores elétricos
- ferramentas pneumáticas
- linha branca

Aplicação Agrícola, Construção e Mineração:

- máquinas e equipamentos agrícolas
- máquinas e equipamentos de construção
- máquinas e equipamentos de mineração



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