



CIEMA

DESDE 1986

CATÁLOGO TÉCNICO
2022/2023

LEGENDA DE PRODUTOS

Proc. Ref.: P.3
Março / 2021

PERFIS ESPONJOSOS

QUADRADOS E RETANGULARES

A	01
A	02
A	03
A	04
A	05
A	06
A	07
A	08
A	09
A	10
A	11
A	12
A	13
A	14
A	15
A	16
A	17
A	18
A	19
A	20
A	21

TUBOS ESPONJOSOS

A	22
---	----

REDONDOS CORDÕES

A	23
---	----

ESPONJOSOS DE USO GERAL

A	24
A	25
A	26
A	27
A	28
A	29
A	30
A	31
A	32
A	33
A	34
A	35
A	36
A	37
A	38

MACIÇOS CORDÕES ORINGS

B	01
B	02

MANGUEIRAS

B	03
B	04
B	05
B	06

QUADRADOS RETANGULARES FITAS E CINTAS

B	07
B	08
B	09
B	10
B	11
B	12
B	13
B	14
B	15

USO GERAL E PRÉ-MOLDADOS

B	16
B	17
B	18
B	19
B	20
B	21

PERFIS MACIÇOS

B	22
B	23
B	24
B	25
B	26
B	27
B	28
B	29
B	30
B	31
B	32
B	33
B	34
B	35
B	36
B	37
B	38
B	39
B	40
B	41

LINHA FURGÕES E CONTAINER

B	42
B	43
B	44
B	45
B	46
B	47
B	48
B	49
B	50
B	51
B	52
B	53
B	54
B	55

PERFIL TIPO U DE ACABAMENTO

C	01
C	02
C	03
C	04
C	05
C	06
C	07
C	08

PERFIL PARA ESQUADRIAS

C	09
C	10
C	11
C	12
C	13

PERFIL U INCERTO EM METAL

C	14
---	----

D	01
D	02
D	03
D	04
D	05
D	06
D	07
D	08

ARO RODAS PARA ÔNIBUS

D	09
---	----

PROCESSO DESENVOLVIMENTO

G-089

Revisão: 00

Proc. Ref.: P.3 e P.7

DESENVOLVIMENTO DE NOVOS PRODUTOS – INFORMAÇÃO PARA CLIENTES

1º. INÍCIO DO PROCESSO – Cliente faz o contato com o Setor de Vendas detalhando o produto que deseja e encaminha solicitação com desenho e/ou amostra assim como informando detalhes sobre sua aplicação, se vai ter contato com produtos químicos, derivados de petróleo, se vai ser fixado com cola ou parafusos, se vai resistir a altas temperaturas e outros detalhes que facilitem a definição da borracha a ser utilizada. Também informa a quantidade a ser comprada.

2º. ANÁLISE DE VIABILIDADE E ORÇAMENTO INICIAL – O Setor de Vendas encaminha ao Setor de Desenvolvimento a documentação fornecida e a amostra (se houver) e aguarda o retorno. Ao receber os dados para produção, o Setor de Vendas elabora o orçamento e informa, por escrito ao cliente.

3º. FORNECIMENTO DE AMOSTRA – Aprovado o orçamento o cliente informa, por escrito, o Setor de Vendas autorizando assim o Desenvolvimento do Produto com o fornecimento de amostra no prazo de 15 a 20 dias úteis. Produtos complexos ou que exijam o desenvolvimento de borracha que não é de linha podem exigir um prazo maior a ser negociado com o cliente.

4º. LOTE-PILOTO – Aprovada a amostra, com informação ao Setor de Vendas, é negociado um primeiro lote de fornecimento para produção em linha.

5º. FIM DO PROCESSO - LIBERAÇÃO PARA PRODUÇÃO EM LINHA – Aprovado o lote-piloto, conforme necessidade do cliente, negocia com o Setor de Vendas a quantidade normal de consumo, com os prazos determinados, conforme a carteira de pedidos da Ciema.

6º. SOLICITAÇÕES ESPECIAIS FORA DO PROCESSO NORMAL – Qualquer exceção aos passos normais poderá ser negociada por Vendas junto ao Cliente, porém a responsabilidade sobre eventuais atrasos e/ou prejuízos passará à responsabilidade exclusiva do cliente sendo que a Ciema se exime de qualquer tipo de indenização e/ou ressarcimento dos mesmos.

NOTA: Incluída cópia não-controlada com este mesmo conteúdo para folha do Catálogo. Distribuição para clientes em PDF.

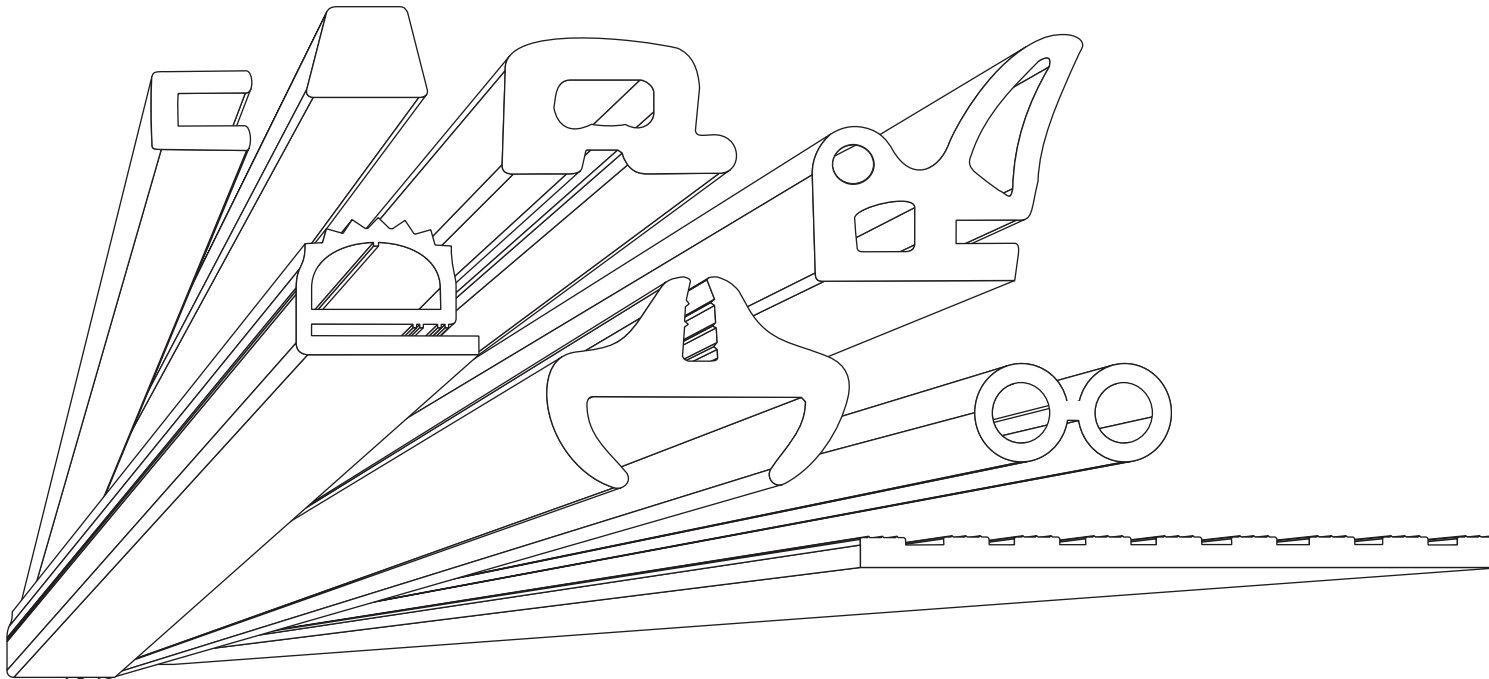
TIPOS DE ELASTÔMEROS

SBR

-Borracha Estireno Butadieno

-Copolímero de Estireno Butadieno

Borracha com boa resistência à deformação (permanente à compressão). Possui ótima aderência a materiais rígidos. Quando exposta a intempéries (agentes de clima e luz solar) deve ser usada com precaução devido a sua baixa resistência. Não recomendado o seu uso em contato com altas temperaturas, óleos lubrificantes e fluídos a base de petróleo. Geralmente utilizada para vedações onde o contato será apenas com pó e água. Borracha de baixo custo para uso geral.



TIPOS DE ELASTÔMEROS

EPDM

-Terpolímero Etileno / Propileno Dieno

-Poli (Etileno Co Propileno)

Borracha com ótima resistência a intempéries (agentes de clima e luz solar), e a deformação (permanente à compressão). Excelente resistência aos ácidos e álcalis assim como soluções aquecidas de detergentes.

Apresentam também boa resistência a solventes oxigenados, fluidos hidráulicos e gorduras animais.

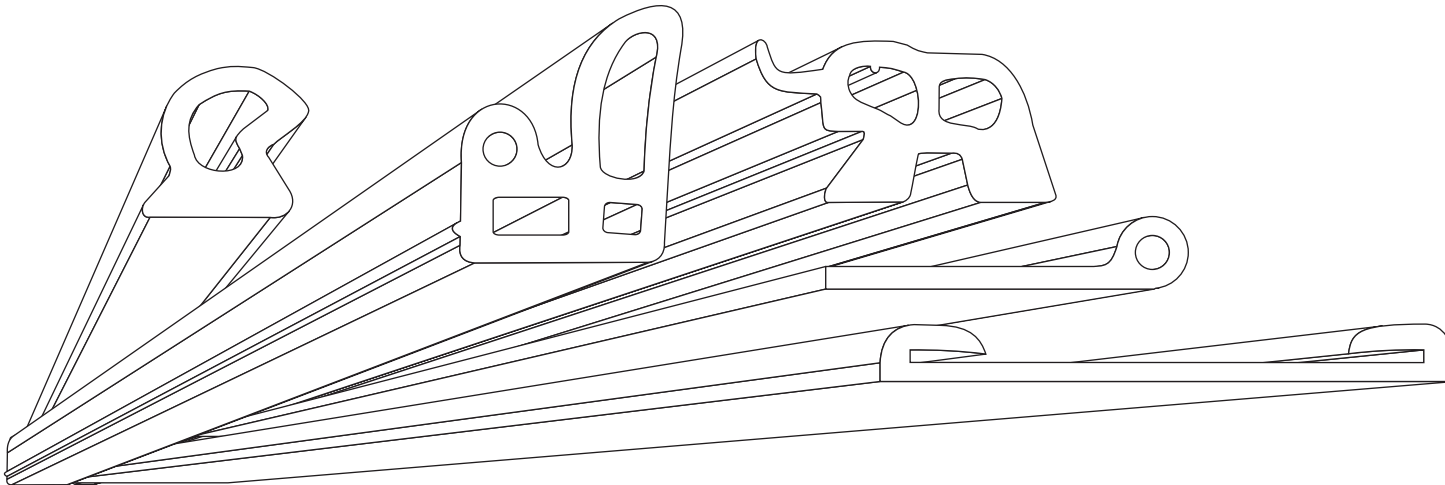
É uma das borrachas mais consumidas no mundo, em mangueiras, vedações para uso externo, como esponjados para carrocerias e portas, gaxetas de autoclaves e lavadoras com vapor e água quente com ou sem detergente e clareadores.

Bastante usada em frisos decorativos e de acabamento em móveis de uso externo e interno.

Não recomendado seu uso em contato com óleos lubrificantes e fluidos hidráulicos à base de petróleo.

Possui baixa resistência à chama, em condições normais.

Utilizada como guarnição de pára-brisas e janelas de ônibus, caminhões e veículos em geral.



TIPOS DE ELASTÔMEROS

NBR (NITRÍLICA)

-Borracha Butadieno Nitrilo

-Poli (Buadieno Co-Acrilonitrilo)

Aplicações principais:

Mangueiras para solventes, óleos, graxas e combustíveis, mangueiras para gases, anéis, gaxetas e retentores.

Borracha com boa resistência à óleos e combustíveis, boa resistência a abrasão, baixa permeabilidade à gases, média resistência ao calor, resistência a solventes e média resistência a chamas.

Alguns tipos (com PVC) tem excelente resistência a intempéries (ozônio).

Largamente usada quando há contato constante com óleos, graxas, lubrificantes e combustíveis.

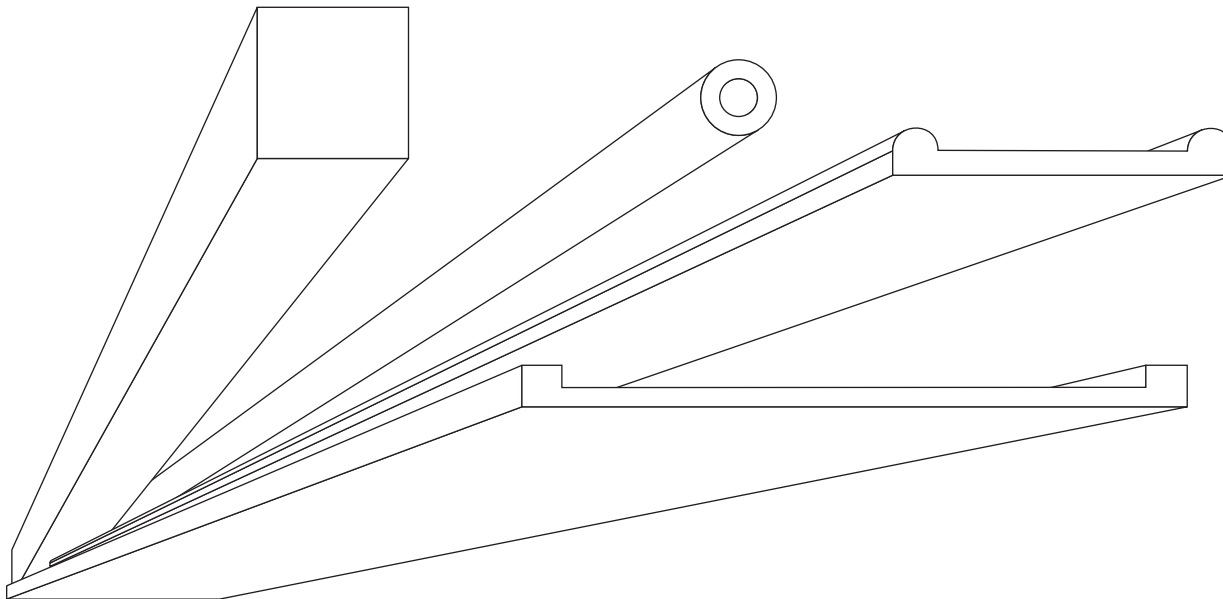


TABELA DE PROPRIEDADES FÍSICO MECÂNICAS E QUÍMICAS

ELASTÔMEROS		NATURAL NR	SBR	EPDM	NITRILICA NBR	NEOPRENE CR	SILICONE
FAIXA DE DUREZA (SHORE A)	MACIÇOS	30 - 100	35 - 90	40 - 90	40 - 100	40 - 90	35 - 90
	ESPONJOSOS	10 - 30	10 - 30	10 - 30	10 - 30	10 - 30	——
TENSÃO DE RUPTURA MÉDIA (kg/cm ²)		200	120	100	120	150	70
ALONGAMENTO MÁXIMO NA RUPTURA		800	600	600	650	600	800
RESISTÊNCIA AO RASGAMENTO		O	R	R	R	O	R - B
DEFORM. PERMAN. À COMPRESSÃO		O	B	R	R	B	R
RESISTÊNCIA À ABRASÃO		O	R - B	B	B	O	R
RESISTÊNCIA AO IMPACTO		O	B	B	R	B	NA
RESISTÊNCIA À FLEXÃO		O	B	R	R	O	B
IMPERMEABILIDADE À GASES		O	R	R	R	B	R
RESISTÊNCIA AO INTEMPERISMO		NA	R	O	R	O	O
RESISTÊNCIA À OXIDAÇÃO		R	R	O	B	O	O
RESISTÊNCIA AO OZÔNIO		R	R	O	R	O	O
RESISTÊNCIA À CHAMA		R	R	R	R	O	R
TEMPERATURAS DE TRABALHO (°C)	MÁXIMA	70	70	150	130	100	250
	MÍNIMA	-20	-20	-35	-15	-10	-80
RES. À ÓLEOS MINER. E SOLVENTES		NA	NA	NA	O	B	NA
RES. À ÓLEOS VEGETAL E ANIMAL		R	R	B	O	B	O
RESISTÊNCIA AOS ÁCIDOS		R	R	O	R	B	B
RESISTÊNCIA AOS ÁLCALIS		B	R	O	R	B	B

LEGENDA

O = Ótimo
 B = Bom
 R = Regular
 NA = Não Aplicável

TABELA DE TOLERÂNCIAS

COTA mm	até 5	6 a 10	11 a 15	16 a 20	21 a 30	31 a 50	51 a 80	81 a 120	121 a 180
MACIÇA	± 0,2	± 0,3	± 0,4	± 0,5	± 0,7	± 1,0	± 1,2	± 1,4	± 1,6
ESPONJA	± 0,3	± 0,4	± 0,5	± 0,8	± 1,0	± 1,5	± 2,0	± 2,5	± 3,0

ÍNDICE

CÓDIGO	PÁGINA
LINHA 1000	
1001	A04
1002	A06
1003	A06
1004	A04
1005	A11
1006	A04
1007	A01
1008	A07
1009	A02
1010	A01
1011	A04
1012	A25
1013	A11
1014	A03
1015	A23
1016	A05
1017	A01
1018	A10
1019	A07
1020	A22
1021	A03
1022	A03
1023	A02
1024	A03
1025	A04
1026	A15
1027	A23
1028	A01
1029	A18
1031	A32
1032	A31
1033	A30

CÓDIGO	PÁGINA
1034	A33
1035	A25
1036	A06
1037	A06
1038	A23
1039	A31
1040	A24
1041	A23
1042	A03
1043	A03
1044	A08
1045	A11
1046	A11
1047	A15
1048	A08
1049	A06
1050	A09
1051	A02
1052	A05
1053	A06
1054	A10
1055	A10
1056	A10
1057	A12
1058	A03
1059	A06
1060	A05
1061	A07
1062	A10
1064	A26
1065	A26
1066	A25
1067	A32

CÓDIGO	PÁGINA
1068	A18
1069	A23
1070	A23
1071	A23
1073	A26
1074	A26
1075	A29
1076	A32
1077	A05
1078	A06
1079	A32
1080	A05
1081	A08
1084	A26
1085	A29
1086	A05
1087	A07
1088	A04
1089	A08
1090	A05
1091	A29
1092	A25
1093	A06
1094	A26
1095	A03
1096	A01
1097	A13
1098	A30
1099	A23
1100	A03
1101	A27
1102	A28
1103	A28

CÓDIGO	PÁGINA
1104	A35
1105	A35
1106	A35
1107	A35
1108	A34
1109	A26
1110	A03
1111	A28
1112	A24
1114	A07
1115	A03
1116	A04
1117	A05
1121	A02
1122	A03
1123	A02
1124	A08
1125	A27
1126	A35
1127	A01
1128	A26
1129	A35
1130	A34
1131	A08
1132	A08
1134	A05
1135	A09
1136	A25
1137	A34
1138	A10
1139	A01
1140	A11
1141	A28

CÓDIGO	PÁGINA
1142	A28
1143	A28
1144	A35
1145	A26
1147	A23
1149	A25
1150	A31
1151	A19
1152	A27
1153	A23
1154	A12
1155	A29
1156	A11
1157	A13
1158	A13
1159	A02
1165	A29
1166	A28
1167	A01
1168	A01
1169	A35
1170	A29
1171	A35
1172	A27
1173	A31
1174	A32
1175	A24
1176	A25
1177	A34
1178	A27
1179	A27
1181	A08
1182	A03

CÓDIGO	PÁGINA
1184	A37
1185	A29
1186	A25
1188	A35
1189	A35
1190	A04
1191	A37
1192	A07
1193	A35
1194	A34
1195	A34
1196	A25
1197	A24
1198	A25
1199	A17
1201	A06
1202	A08
1203	A34
1204	A23
1205	A25
1206	A24
1207	A38
1208	A34
1209	A04
1210	A25
1212	A19
1213	A20
1214	A20
1215	A25
1216	A13
1219	A24
1220	A12
1221	A37

ÍNDICE

CÓDIGO	PÁGINA
1222	A25
1223	A32
1224	A31
1225	A02
1226	A08
1227	A23
1228	A17
1229	A04
1230	A11
1231	A10
1232	A13
1233	A30
1234	A38
1235	A07
1236	A10
1237	A12
1238	A27
1239	A23
1240	A06
1241	A14
1242	A01
1244	A23
1245	A23
1246	A36
1247	A27
1248	A13
1249	A34
1250	A37
1251	A38
1252	A38
1253	A02
1254	A25
1255	A32

CÓDIGO	PÁGINA
1256	A30
1258	A30
1260	A38
1262	A04
1263	A25
1264	A30
1265	A06
1266	A22
1267	A03
1268	A16
1269	A07
1270	A35
1271	A14
1272	A16
1273	A16
1275	A17
1276	A13
1277	A29
1278	A27
1279	A05
1280	A13
1281	A14
1282	A34
1283	A02
1284	A10
1285	A01
1286	A08
1287	A08
1288	A04
1289	A13
1290	A14
1291	A18
1292	A08

CÓDIGO	PÁGINA
1293	A14
1294	A20
1295	A27
1296	A10
1297	A37
1298	A20
1299	A36
1300	A31
1301	A37
1302	A37
1303	A29
1304	A06
1305	A07
1306	A05
1307	A02
1308	A25
1309	A17
1310	A23
1311	A23
1312	A23
1313	A36
1314	A38
1315	A22
1316	A22
1317	A32
1318	A33
1319	A09
1320	A31
1321	A24
1322	A14
1323	A38
1324	A32
1325	A27

CÓDIGO	PÁGINA
1326	A31
1327	A36
1328	A36
1329	A22
1330	A22
1331	A22
1332	A38
1333	A38
1334	A25
1337	A29
1339	A07
1340	A05
1341	A15
1342	A12
1343	A10
1344	A27
1345	A10
1346	A12
1347	A36
1348	A14
1349	A12
1350	A27
1351	A28
1352	A29
1353	A09
1354	A09
1355	A05
1356	A09
1357	A28
1358	A15
1359	A31
1360	A29
1361	A02

CÓDIGO	PÁGINA
1362	A09
1363	A11
1364	A09
1365	A18
1366	A30
1367	A31
1368	A24
1369	A37
1370	A02
1371	A25
1372	A26
1373	A30
1374	A34
1375	A26
1376	A36
1377	A15
1378	A05
1379	A12
1380	A02
1382	A35
1383	A03
1384	A04
1385	A06
1386	A08
1387	A11
1388	A01
1389	A03
1390	A04
1391	A06
1392	A08
1393	A11
1394	A13
1395	A01

CÓDIGO	PÁGINA
1396	A04
1397	A13
1398	A04
1399	A06
1400	A11
1401	A13
1402	A03
1403	A13
1404	A05
1405	A06
1406	A11
1407	A13
1408	A14
1409	A16
1410	A07
1411	A16
1412	A17
1413	A19
1414	A18
1415	A03
1416	A05
1417	A17
1418	A18
1419	A28
1420	A02
1421	A23
1422	A23
1423	A01
1424	A01
1426	A11
1427	A36
1428	A36
1429	A30

ÍNDICE

CÓDIGO	PÁGINA
1430	A21
1431	A26
1432	A38
1433	A25
1434	A28
1435	A38
1436	A16
1437	A 04
1438	A02
1439	A20
1440	A30
1441	A06
1442	A27
1443	A33
1444	A33
1446	A35
1447	A21
1448	A22
1449	A22
1450	A02
1451	A32
1452	A31
1453	A25
1454	A10
1455	A12
1456	A24
1457	A24
1458	A09
1459	A10
1460	A15
1461	A13
1462	A22
1463	A09

CÓDIGO	PÁGINA
1464	A12
1465	A01
1466	A25
1467	A36
1468	A18
1469	A32
1470	A25
1471	A12
1472	A22
1473	A20
1474	A18
1475	A03
1476	A10
1477	A27
1478	A24
1479	A36
1480	A32
1481	A19
1482	A09
1483	A31
1484	A33
1485	A33
1486	A08
1488	A10
1489	A23
1490	A26
1491	A26
1492	A09
1493	A07
1494	A12
1495	A15
1496	A15
1497	A17

CÓDIGO	PÁGINA
1498	A19
1499	A19
1500	A20
1501	A10
1502	A11
1503	A28
1504	A28
1505	A05
1506	A06
1507	A08
1508	A11
1509	A13
1510	A06
1511	A30
1512	A27
1513	A32
1514	A24
1515	A07
1516	A20
1517	A26
1518	A30
1519	A15
1520	A15
1521	A15
1522	A15
1523	A13
1524	A30
1525	A24
1526	A26
1527	A15
1528	A11
1529	A16
1530	A18

CÓDIGO	PÁGINA
1531	A19
1532	A20
1533	A17
1534	A15
1535	A28
1536	A31
1537	A02
1538	A27
1539	A31
1540	A34
1541	A28
1542	A36
1545	A08
1546	A06
1547	A27
1548	A23
1549	A23
1550	A23
1551	A23
1552	A23
1553	A14
1554	A16
1555	A26
1556	A20
1557	A20
1558	A34
1559	A38
1560	A33
1561	A33
1562	A26
1563	A36
1564	A27
1565	A03

CÓDIGO	PÁGINA
1566	A05
1567	A08
1568	A38
1570	A24
1571	A22
1572	A28
1573	A31
1574	A30
1575	A21
1576	A27
1577	A01
1578	A30
1579	A01
1580	A32
1581	A21
1582	A08
1583	A34
1584	A24
1585	A01
1586	A17
1587	A21
1588	A18
1589	A22
1590	A24
1591	A07
1592	A33
1593	A37
1594	A37
1595	A25
1596	A25
1598	A05
1599	A29
1600	A24

CÓDIGO	PÁGINA
1601	A20
1602	A17
1603	A12
1604	A04
1605	A33
1606	A27
1607	A26
1608	A31
1609	A33
1610	A24
1611	A22
1612	A30
1613	A12
1614	A07
1615	A07
1616	A24
1617	A04
1618	A03
1619	A07
1620	A21
1621	A08
1622	A36
1623	A36
1624	A07
1625	A23
1626	A23
1627	A08
1628	A28
1629	A08
1630	A33
1631	A13
1632	A20
1633	A12

ÍNDICE

[illegible]

ÍNDICE

CÓDIGO	PÁGINA
LINHA 3000	
3001	B17
3002	B10
3003	B34
3004	B01
3005	B09
3006	B12
3007	B16
3008	B19
3009	B19
3012	B06
3013	B07
3014	B07
3015	B07
3016	B07
3017	B07
3019	B01
3020	B01
3021	B01
3023	B01
3025	B01
3026	B01
3027	B01
3028	B01
3029	B01
3030	B07
3031	B08
3032	B09
3033	B14
3034	B13
3035	B06
3036	B24
3037	B43

CÓDIGO	PÁGINA
3038	B43
3039	B16
3040	B16
3042	B09
3043	B09
3044	B09
3045	B53
3047	B03
3048	B52
3049	B52
3050	B49
3051	B14
3052	B23
3053	B07
3055	B53
3056	B15
3057	B03
3058	B03
3059	B03
3060	B03
3061	B03
3062	B03
3063	B20
3064	B24
3066	B03
3067	B03
3068	B17
3069	B21
3070	B21
3071	B22
3072	B21
3073	B07
3074	B10

CÓDIGO	PÁGINA
3075	B19
3076	B10
3077	B11
3078	B08
3079	B38
3080	B26
3081	B18
3082	B09
3083	B14
3084	B23
3085	B07
3086	B19
3087	B17
3089	B05
3090	B20
3091	B11
3092	B02
3093	B44
3094	B01
3095	B04
3096	B05
3099	B02
3100	B42
3101	B19
3102	B19
3103	B19
3105	B04
3106	B38
3107	B43
3108	B05
3109	B06
3110	B04
3111	B14

CÓDIGO	PÁGINA
3112	B01
3113	B10
3114	B03
3116	B01
3117	B27
3118	B35
3119	B19
3120	B16
3121	B09
3122	B14
3124	B05
3125	B05
3126	B05
3127	B05
3128	B42
3129	B53
3132	B24
3133	B03
3134	B03
3135	B39
3136	B38
3138	B06
3139	B47
3142	B01
3143	B18
3144	B16
3145	B26
3148	B44
3149	B26
3150	B55
3154	B26
3155	B03
3156	B15

CÓDIGO	PÁGINA
3157	B03
3158	B01
3159	B53
3161	B21
3162	B07
3163	B08
3164	B08
3165	B07
3166	B08
3167	B08
3168	B01
3169	B13
3170	B05
3172	B23
3173	B23
3175	B03
3176	B15
3177	B05
3178	B01
3179	B01
3180	B01
3181	B02
3182	B02
3183	B24
3184	B36
3185	B17
3186	B15
3187	B18
3188	B03
3190	B24
3191	B26
3192	B15
3193	B17

CÓDIGO	PÁGINA
3195	B24
3196	B16
3197	B04
3198	B25
3199	B17
3200	B02
3201	B16
3202	B21
3203	B09
3205	B54
3206	B21
3207	B40
3209	B28
3210	B28
3211	B28
3212	B04
3213	B16
3214	B24
3215	B07
3216	B15
3218	B05
3219	B03
3220	B23
3221	B25
3222	B12
3223	B43
3224	B23
3225	B24
3226	B22
3227	B28
3228	B17
3229	B28

ÍNDICE

CÓDIGO	PÁGINA	CÓDIGO	PÁGINA	CÓDIGO	PÁGINA	CÓDIGO	PÁGINA	CÓDIGO	PÁGINA	CÓDIGO	PÁGINA
3230	B36	3264	B15	3299	B04	3333	B06	3373	B31	3408	B25
3231	B22	3265	B20	3300	B05	3334	B51	3374	B35	3409	B54
3232	B38	3266	B13	3301	B11	3335	B17	3375	B34	3410	B32
3233	B38	3267	B13	3302	B11	3337	B10	3376	B09	3411	B23
3234	B19	3268	B14	3303	B10	3338	B10	3377	B14	3412	B39
3235	B26	3269	B14	3304	B10	3339	B10	3378	B30	3413	B46
3236	B07	3270	B14	3305	B47	3340	B11	3379	B47	3414	B01
3237	B21	3271	B15	3306	B48	3341	B08	3380	B02	3415	B13
3238	B21	3272	B14	3307	B52	3342	B09	3381	B30	3416	B24
3239	B19	3273	B25	3308	B06	3343	B10	3382	B44	3417	B15
3240	B17	3274	B04	3309	B44	3344	B10	3383	B55	3418	B13
3241	B54	3275	B44	3310	B48	3345	B10	3384	B22	3419	B14
3242	B17	3276	B08	3311	B20	3346	B11	3385	B27	3420	B06
3244	B18	3277	B55	3312	B06	3349	B41	3386	B27	3421	B16
3245	B14	3278	B55	3313	B48	3350	B18	3387	B16	3422	B51
3246	B14	3279	B54	3314	B19	3351	B17	3388	B12	3423	B18
3247	B17	3280	B01	3315	B19	3352	B41	3389	B42	3424	B19
3248	B09	3281	B01	3316	B14	3353	B55	3390	B53	3425	B09
3249	B24	3282	B13	3317	B44	3354	B26	3392	B15	3426	B19
3250	B53	3283	B30	3318	B52	3355	B52	3393	B01	3427	B19
3251	B25	3285	B04	3319	B07	3357	B36	3394	B02	3428	B25
3252	B40	3286	B13	3320	B39	3358	B16	3395	B36	3429	B04
3253	B19	3287	B27	3322	B17	3359	B26	3396	B42	3430	B04
3254	B08	3288	B40	3323	B37	3360	B08	3397	B18	3431	B20
3255	B08	3289	B13	3324	B37	3361	B17	3398	B33	3432	B36
3256	B13	3290	B27	3325	B37	3362	B35	3399	B18	3433	B20
3257	B13	3291	B15	3326	B37	3363	B35	3400	B27	3434	B17
3258	B08	3293	B08	3327	B38	3367	B16	3401	B05	3435	B21
3259	B51	3294	B09	3328	B39	3368	B01	3403	B36	3436	B43
3260	B30	3295	B39	3329	B39	3369	B06	3404	B27	3437	B33
3261	B23	3296	B44	3330	B37	3370	B16	3405	B15	3438	B53
3262	B42	3297	B52	3331	B38	3371	B21	3406	B32	3439	B10
3263	B39	3298	B04	3332	B29	3372	B03	3407	B30	3440	B34

ÍNDICE

CÓDIGO	PÁGINA	CÓDIGO	PÁGINA	CÓDIGO	PÁGINA	CÓDIGO	PÁGINA	CÓDIGO	PÁGINA	CÓDIGO	PÁGINA
3441	B09	3474	B31	3510	B25	3545	B53	3579	B08	3614	B30
3442	B22	3475	B36	3511	B04	3546	B32	3580	B34	3615	B36
3443	B17	3476	B36	3512	B22	3547	B37	3581	B23	3616	B50
3444	B39	3477	B36	3513	B06	3548	B32	3582	B16	3617	B23
3445	B55	3478	B27	3514	B21	3549	B40	3583	B34	3618	B04
3446	B26	3479	B20	3515	B36	3550	B34	3584	B52	3619	B26
3447	B20	3480	B26	3516	B08	3551	B04	3585	B31	3620	B23
3448	B21	3481	B10	3517	B08	3552	B21	3586	B08	3621	B12
3449	B32	3482	B14	3518	B22	3553	B19	3587	B29	3622	B16
3450	B07	3484	B09	3519	B52	3554	B09	3588	B31	3623	B07
3451	B54	3485	B11	3520	B15	3555	B09	3589	B20	3624	B08
3452	B41	3486	B45	3521	B35	3556	B18	3590	B34	3625	B04
3453	B07	3487	B45	3522	B10	3557	B18	3591	B31	3626	B48
3454	B18	3488	B32	3523	B35	3558	B03	3592	B48	3627	B25
3455	B31	3489	B04	3524	B52	3559	B51	3593	B13	3628	B23
3456	B27	3490	B06	3525	B52	3560	B34	3594	B22	3629	B30
3457	B45	3491	B33	3526	B33	3561	B21	3595	B45	3630	B22
3458	B13	3492	B32	3527	B30	3562	B25	3596	B49	3631	B22
3459	B13	3493	B32	3528	B34	3563	B09	3597	B32	3632	B17
3460	B19	3494	B31	3529	B33	3564	B55	3598	B21	3633	B11
3461	B07	3495	B27	3531	B41	3565	B42	3599	B33	3634	B12
3462	B23	3496	B34	3532	B16	3566	B09	3600	B45	3635	B02
3463	B02	3497	B08	3533	B52	3567	B29	3601	B23	3636	B36
3464	B26	3498	B04	3534	B30	3568	B29	3602	B31	3637	B44
3465	B03	3499	B10	3535	B41	3569	B40	3603	B31	3638	B13
3466	B42	3500	B02	3536	B46	3570	B25	3604	B28	3639	B13
3467	B20	3501	B13	3537	B02	3571	B03	3605	B32	3640	B20
3468	B15	3502	B15	3538	B46	3572	B42	3606	B14	3641	B33
3469	B20	3505	B51	3540	B27	3573	B25	3607	B04	3642	B33
3470	B27	3506	B18	3541	B04	3575	B18	3608	B28	3643	B33
3471	B49	3507	B03	3542	B34	3576	B08	3609	B21	3644	B40
3472	B04	3508	B34	3543	B28	3577	B04	3610	B42	3645	B16
3473	B34	3509	B48	3544	B22	3578	B54	3613	B22	3646	B30

ÍNDICE

CÓDIGO	PÁGINA
3647	B29
3648	B29
3649	B29
3650	B49
3651	B35
3652	B41
3653	B33
3654	B29
3655	B24
3656	B36
3657	B30
3658	B25
3659	B32
3660	B29
3661	B43
3662	B30
3663	B36
3664	B31
3665	B04
3666	B43
3667	B53
3668	B30
3669	B51
3670	B43
3671	B05
3672	B05
3673	B53
3674	B51
3675	B12
3676	B25
3677	B21
3678	B18
3679	B36
3680	B15

CÓDIGO	PÁGINA
3681	B09
3682	B51
3683	B35
3684	B18
3685	B24
3686	B25
3687	B21
3688	B05
3689	B15
3690	B30
3691	B18
3692	B37
3693	B46
3694	B51
3695	B51
3696	B51
3697	B32
3698	B19
3699	B17
3700	B34
3701	B32
3702	B51
3704	B22
3705	B22
3706	B19
3707	B24
3708	B42
3709	B29
3710	B34
3711	B31
3712	B12
3713	B08
3714	B33

CÓDIGO	PÁGINA
3715	B35
3716	B35
3717	B50
3718	B50
3719	B35
3720	B29
3721	B03
3722	B24
3725	B29
3726	B22
3727	B34
3728	B18
3729	B18
3730	B02
3731	B37
3732	B16
3733	B21
3734	B19
3735	B37
3736	B09
3737	B25
3738	B16
3739	B28
3740	B31
3741	B30
3742	B08
3743	B08
3744	B18
3745	B09
3746	B10
3747	B11
3748	B34
3749	B33
3750	B50

CÓDIGO	PÁGINA
3751	B50
3752	B36
3753	B02
3754	B24
3755	B04
3756	B07
3757	B07
3759	B24
3760	B18
3761	B16
3762	B21
3763	B47
3764	B47
3765	B45
3766	B42
3767	B49
3768	B47
3769	B48
3770	B46
3771	B07
3772	B55
3773	B10
3775	B35
3776	B25
3777	B45
3778	B45
3779	B47
3780	B17
3781	B37

[illegible]

ÍNDICE

CÓDIGO	PÁGINA
LINHA 5000	
5001	C10
5002	C03
5003	C10
5004	C11
5005	C03
5006	C10
5007	C11
5008	C11
5009	C02
5010	C04
5011	C05
5012	C03
5013	C01
5014	C11
5015	C06
5016	C01
5017	C11
5018	C03
5019	C03
5020	C05
5021	C05
5022	C01
5023	C01
5024	C01
5025	C01
5026	C03
5027	C03
5028	C01
5031	C05
5032	C10
5033	C10

CÓDIGO	PÁGINA
5034	C10
5035	C07
5036	C03
5037	C04
5038	C04
5039	C04
5040	C04
5041	C02
5042	C04
5043	C01
5044	C06
5045	C04
5046	C04
5047	C06
5048	C09
5049	C11
5050	C05
5051	C04
5052	C05
5053	C06
5054	C01
5055	C03
5056	C04
5057	C06
5058	C02
5059	C09
5060	C09
5061	C12
5062	C01
5063	C06
5064	C11
5065	C02

CÓDIGO	PÁGINA
5066	C02
5068	C01
5069	C01
5070	C02
5071	C04
5072	C01
5073	C06
5074	C03
5076	C02
5077	C06
5079	C12
5080	C03
5081	C02
5082	C04
5083	C04
5084	C01
5085	C06
5087	C08
5088	C11
5089	C11
5090	C13
5091	C13
5092	C10
5093	C12
5094	C09
5095	C13
5096	C01
5097	C04
5098	C02
5099	C10
5100	C10
5101	C10

CÓDIGO	PÁGINA
5102	C10
5103	C07
5104	C07
5105	C07
5106	C06
5107	C02
5108	C08
5109	C03
5110	C11
5111	C11
5112	C06
5113	C06
5115	C07
5116	C02
5117	C13
5118	C13
5119	C07
5120	C09
5121	C09
5122	C09
5123	C07
5124	C10
5125	C10
5126	C04
5127	C10
5128	C01
5129	C07
5130	C11
5131	C01
5132	C12
5133	C12
5134	C12

CÓDIGO	PÁGINA
5135	C12
5136	C03
5137	C10
5138	C07
5139	C05
5140	C05
5141	C03
5142	C10
5143	C03
5144	C12
5145	C05
5146	C05
5147	C05
5148	C05
5149	C10
5150	C10
5151	C03
5152	C01
5153	C04
5154	C04
5155	C06
5156	C06
5157	C08
5158	C01
5159	C09
5160	C06
5161	C01
5162	C12
5163	C01
5164	C04
5165	C04
5166	C07

CÓDIGO	PÁGINA
5167	C05
5168	C05
5169	C05
5170	C12
5171	C04
5172	C05
5173	C08
5174	C08
5175	C02
5176	C10
5177	C05
5179	C02
5180	C07
5181	C07
5182	C11
5183	C03
5184	C03
5185	C08
5186	C08
5187	C03
5188	C03
5189	C02
5190	C03
5191	C02
5192	C02
5193	C08
5194	C09
5196	C01
5197	C08
5199	C04
5200	C03
5201	C04

ÍNDICE

[illegible]

CÓDIGO	PÁGINA
LINHA 7000	
7002	B38
7003	B38
7004	B43
7005	B43
7008	B43
7009	B43
7016	B38
7054	B44
7055	B44
7064	B44
7065	B44
7066	B43
7067	B43
7075	B43
7118	B37
7127	B38
7128	B38
7129	B39
7130	B37
7131	B37
7132	B37
7133	B38
7134	B39
7135	B39
7136	B37
7137	B38
7339	B48
7340	B48
7341	B48
7406	B48

CÓDIGO	PÁGINA
LINHA 8000	
8001	D04
8002	D04
8003	D04
8004	D02
8005	D01
8006	D02
8007	D01
8008	D02
8009	D06
8010	D02
8011	D04
8012	D03
8013	D01
8014	D04
8015	D01
8016	D05
8017	D05
8018	D01
8019	D02
8020	D03
8021	D03
8022	D08
8023	D06
8024	D03
8025	D06
8026	D02
8027	D02
8028	D02
8029	D03
8030	D02
8031	D07

CÓDIGO		PÁGINA
LINHA 8000		
8032		D09
8033		D05
8034		D04
8035		D06
8036		D06
8037		D05
8038		D01
8039		D08
8040		D04
8041		D03
8042		D04
8043		D03
8044		D06
8045		D03
8046		D03
8048		D07
8049		D01
8050		D05
8051		D08
8052		D06
8053		D08
8054		D02
8055		D07
8056		D04
8057		D02
8058		D04
8059		D05
8060		D05
8061		D07
8062		D07
8063		D09

CÓDIGO	PÁGINA
LINHA 8000	
8064	D05
8065	D09
8066	D09
8067	D06
8068	D07
8069	D07
8070	D03
8071	D06
8072	D06
8073	D04
8075	D07
8076	D02
8077	D03
8078	D04
8079	D05
8080	D07
8081	D03
8082	D04
8083	D04
8084	D04
8085	D01
8086	D01
8087	D06
8088	D05
8089	D01
8090	D01
8091	D04
8092	D01
8093	D01
8094	D05
8095	D08

[illegible]

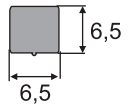
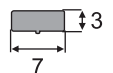
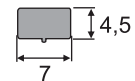
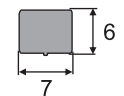
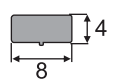
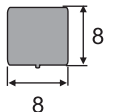
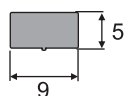
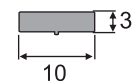
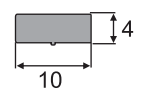
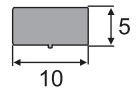
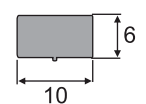
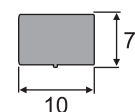
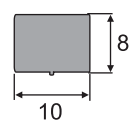
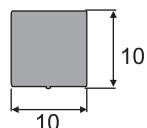
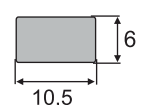
PERFIS ESPONJOSOS



LINHA 1.000 - PERFIS ESPONJOSOS

A

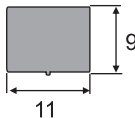
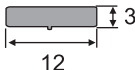
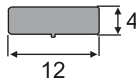
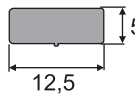
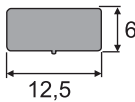
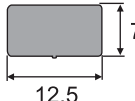
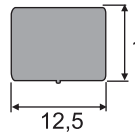
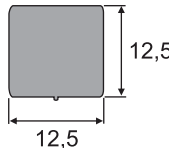
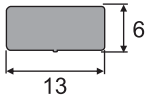
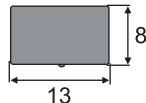
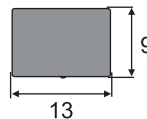
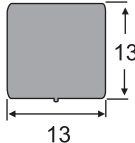
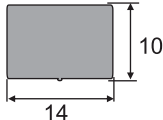
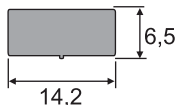
01

1424 SBR 15 Sh A  Rolo 100 m	1010 SBR 10 Sh A 1465 EPDM 10 Sh A  Rolo 100 m	1423 SBR 15 Sh 1577 EPDM 15 Sh.  Rolo 100 m	1028 SBR 10 Sh A  Rolo 100 m
096 SBR 10 Sh A  Rolo 100 m	1168 SBR 10 Sh A 1585 EPDM 10 Sh A  Rolo 100 m	1139 SBR 10 Sh A  Rolo 100 m	285 SBR 15 Sh A  Rolo 100 m
1388 EPDM 10 Sh A  Rolo 100 m	1395 SBR 10 Sh A  Rolo 100 m	1007 SBR 10 Sh A  Rolo 100 m	1017 SBR 10 Sh A 1242 EPDM 10 Sh A  Rolo 100 m
1127 SBR 10 Sh A  Rolo 100 m	1167 SBR 10 Sh A  Rolo 50 m	1579 EPDM 15 Sh A  Rolo 100 m	

LINHA 1.000 - PERFIS ESPONJOSOS

A

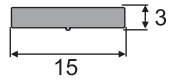
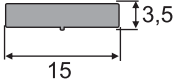
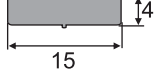
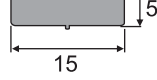
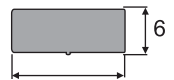
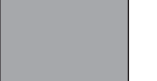
02

1159 SBR 10 Sh A  Rolo 100 m	1121 SBR 10 Sh A  Rolo 100 m	1307 SBR 10 Sh A  Rolo 100 m	1023 SBR 10 Sh A  Rolo 100 m
1420 SBR 10 Sh A 1450 EPDM 10 Sh A  Rolo 100 m	1380 SBR 10 Sh A  Rolo 100 m	1009 SBR 10 Sh A  Rolo 50 m	1123 SBR 10 Sh A 1253 SBR 15 Sh A 1370 SBR 25 Sh A  Rolo 50 m
1283 SBR 10 Sh A  Rolo 100 m	1537 EPDM 10 Sh A  Rolo 100 m	1438 SBR 10 Sh A  Rolo 50 m	1225 SBR 10 Sh A  Rolo 50 m
1361 SBR 10 Sh A  Rolo 50 m	1051 SBR 10 Sh A  Rolo 100 m		

LINHA 1.000 - PERFIS ESPONJOSOS

A

03

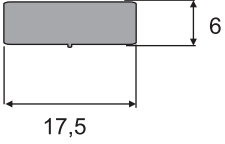
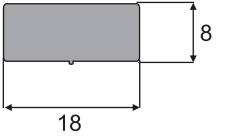
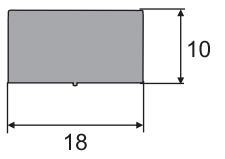
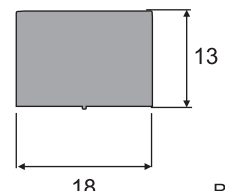
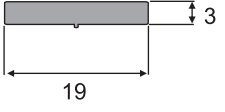
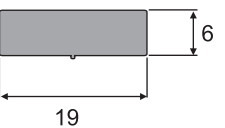
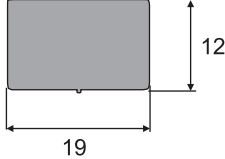
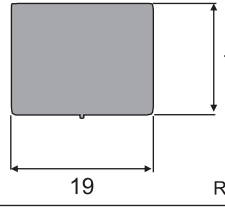
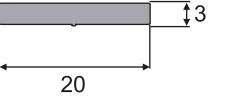
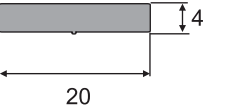
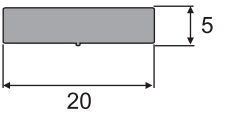
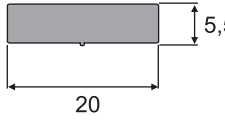
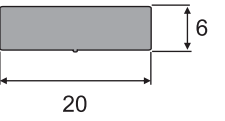
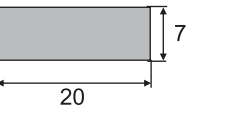
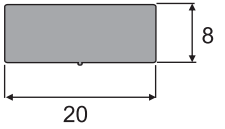
1383 SBR 10 Sh A 1676 EPDM 10 Sh A  Rolo 100 m	1110 SBR 10 Sh A  Rolo 100 m	1389 SBR 10 Sh A  Rolo 100 m	1014 SBR 10 Sh A  Rolo 100 m
1095 SBR 10 Sh A 1100 EPDM 10 Sh A  Rolo 100 m	1021 SBR 10 Sh A 1565 SBR 20 Sh A  Rolo 100 m	1402 SBR 10 Sh A  Rolo 50 m	1415 SBR 10 Sh A  Rolo 50 m
1115 SBR 10 Sh A  Rolo 50 m	1043 SBR 10 Sh A 1182 EPDM 10 Sh A  Rolo 50 m	1024 SBR 10 Sh A  Rolo 100 m	1122 SBR 10 Sh A 1475 EPDM 10 Sh A  Rolo 100 m
1022 SBR 10 Sh A 1267 EPDM 10 Sh A  Rolo 50 m	1042 SBR 10 Sh A  Rolo 50 m	1058 SBR 10 Sh A 1618 EPDM 10 Sh A  Rolo 50 m	

* ITEM NOVO

LINHA 1.000 - PERFIS ESPONJOSOS

A

04

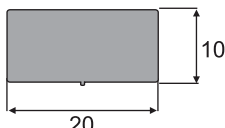
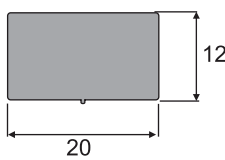
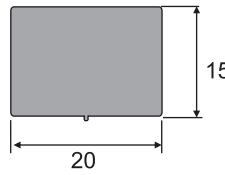
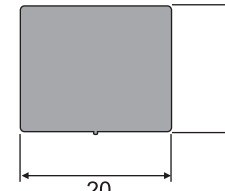
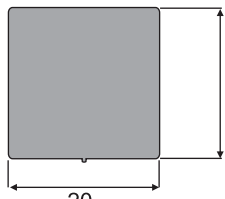
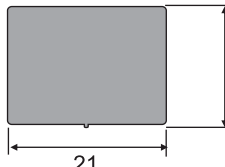
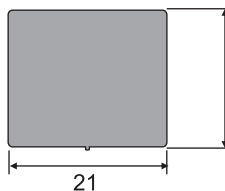
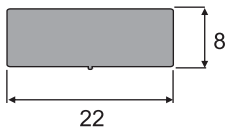
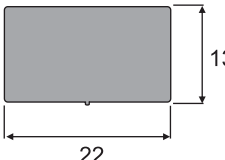
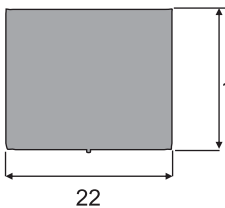
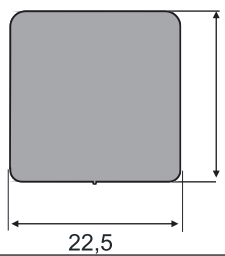
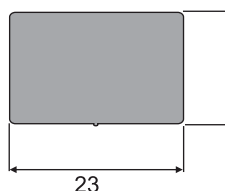
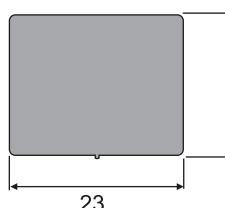
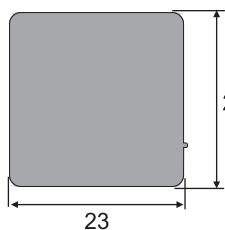
1262 EPDM 10 Sh A  17,5 Rolo 50 m	1088 SBR 10 Sh A  18 Rolo 50 m	1006 SBR 10 Sh A 1437 EPDM 15 Sh A  18 Rolo 50 m	1001 SBR 10 Sh A 1229 EPDM 10 Sh A  18 Rolo 50 m
1288 SBR 15 Sh A  19 Rolo 100 m	1004 SBR 10 Sh A 1190 EPDM 10 Sh A  19 Rolo 50 m	1209 SBR 10 Sh A  19 Rolo 50 m	1025 SBR 10 Sh A  19 Rolo 50 m
1384 SBR 10 Sh A  20 Rolo 100 m	1390 SBR 10 Sh A  20 Rolo 50 m	1396 SBR 10 Sh A  20 Rolo 50 m	1011 SBR 10 Sh A 1617 EPDM 10 Sh A  20 Rolo 50 m ✱
1398 SBR 10 Sh A  20 Rolo 50 m	1604 EPDM 10 Sh A  20 Rolo 50 m	1116 SBR 10 Sh A  20 Rolo 50 m	

✱ ITEM NOVO

LINHA 1.000 - PERFIS ESPONJOSOS

A

05

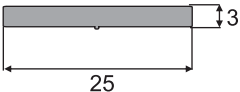
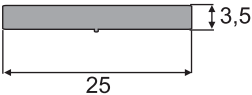
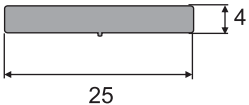
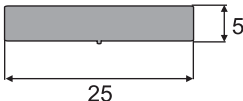
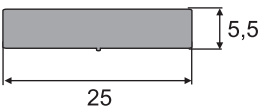
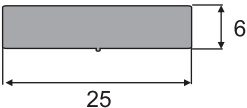
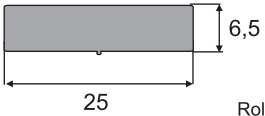
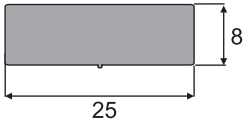
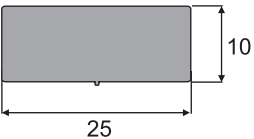
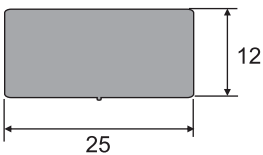
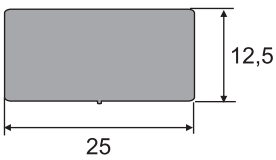
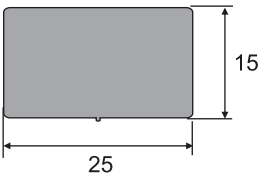
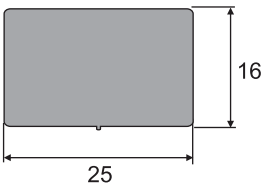
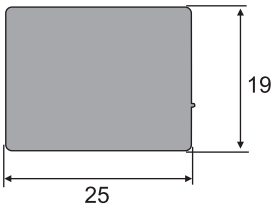
1117 SBR 10 Sh A 1080 SBR 20 Sh A 1505 EPDM 10 Sh A 1681 SBR 10 Sh A  Rolo 50 m	1416 SBR 10 Sh A  Rolo 50 m	1404 SBR 10 Sh A  Rolo 50 m	1077 SBR 10 Sh A  Rolo 25 m
1090 SBR 10 Sh A 1378 EPDM 15 Sh A  Rolo 25 m	1306 EPDM 10 Sh A  Rolo 25 m	1016 SBR 10 Sh A  Rolo 25 m	1134 SBR 10 Sh A  Rolo 50 m
1052 SBR 10 Sh A  Rolo 50 m	1279 SBR 10 Sh A  Rolo 50 m	1060 SBR 10 Sh A 1340 EPDM 10 Sh A  Rolo 25 m	1566 SBR 10 Sh A  Rolo 25 m
1355 SBR 10 Sh A  Rolo 25 m	1086 SBR 10 Sh A  Rolo 25 m	1598 EPDM 10 Sh A  Rolo 25 m	

* ITEM NOVO

LINHA 1.000 - PERFIS ESPONJOSOS

A

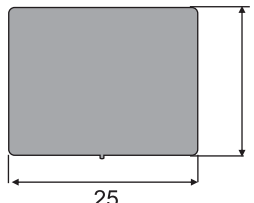
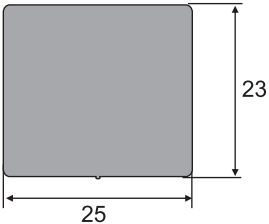
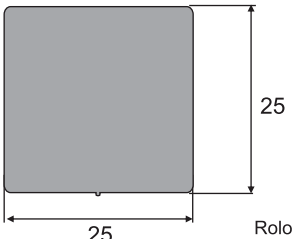
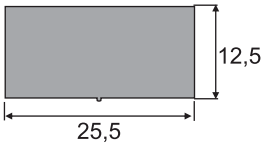
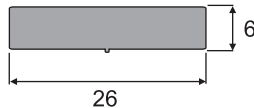
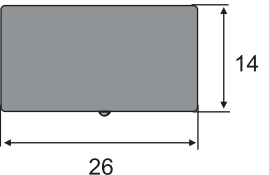
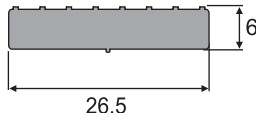
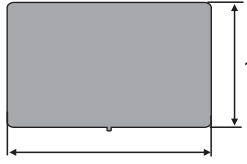
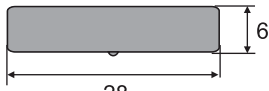
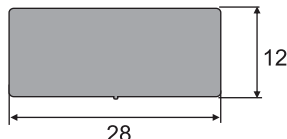
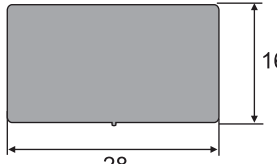
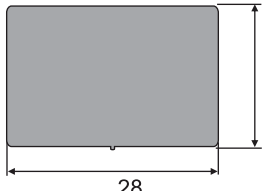
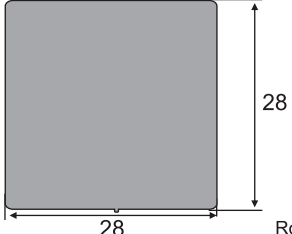
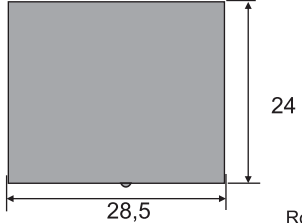
06

1385 SBR 10 Sh A  Rolo 50 m	1049 SBR 10 Sh A  Rolo 50 m	1265 EPDM 10 Sh A 1391 SBR 10 Sh A  Rolo 50 m	1036 SBR 10 Sh A 1510 EPDM 10 Sh A  Rolo 50 m
1053 SBR 10 Sh A 1078 EPDM 10 Sh A  Rolo 50 m	1399 SBR 10 Sh A  Rolo 50 m	1037 SBR 10 Sh A 1201 EPDM 10 Sh A  Rolo 50 m	1304 SBR 10 Sh A  Rolo 50 m
1240 SBR 10 Sh A 1506 EPDM 10 Sh A  Rolo 50 m	1059 SBR 10 Sh A  Rolo 50 m	1002 SBR 10 Sh A  Rolo 50 m	1405 SBR 10 Sh A 1546 EPDM 10 Sh A  Rolo 25 m
1093 SBR 10 Sh A  Rolo 25 m	1003 SBR 10 Sh A 1441 EPDM 10 Sh A  Rolo 25 m		

LINHA 1.000 - PERFIS ESPONJOSOS

A

07

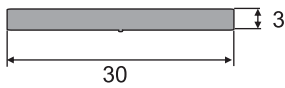
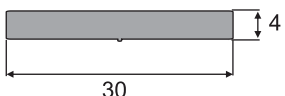
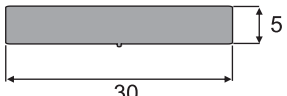
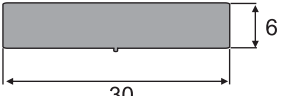
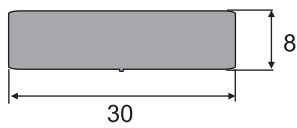
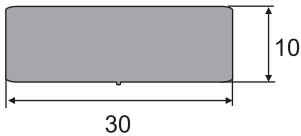
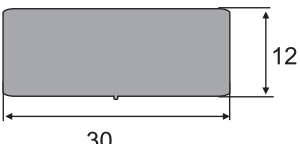
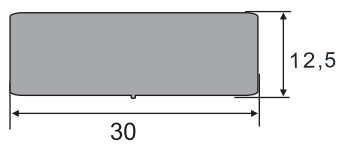
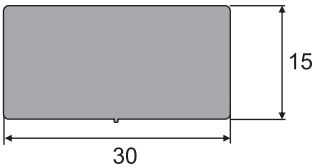
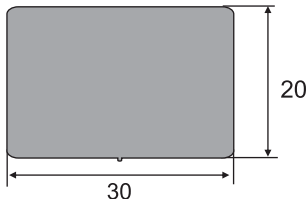
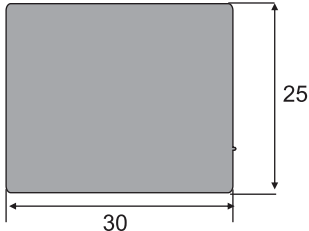
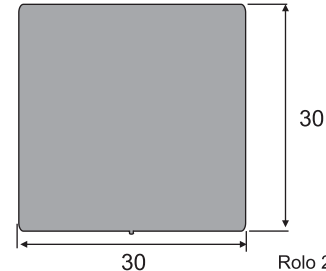
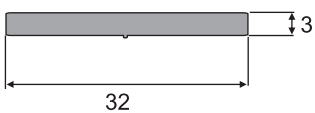
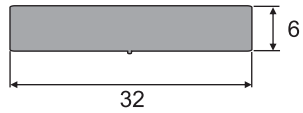
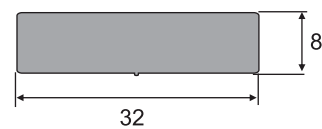
1019 SBR 10 Sh A 1192 EPDM 10 Sh A 1410 SBR 15 Sh A  25 20 Rolo 25 m	1235 SBR 10 Sh A  25 23 Rolo 25 m	1114 SBR 10 Sh A  25 25 Rolo 25 m	1339 EPDM 10 Sh A  25,5 12,5 Rolo 50 m
1087 SBR 10 Sh A 1619 EPDM 10 Sh A  26 6 Rolo 50 m ✱	1624 EPDM 10 Sh A  26 14 Rolo 50 m ✱	1269 EPDM 20 Sh A  26,5 6 Rolo 50 m	1614 SBR 10 Sh A  27 10 Rolo 50 m ✱
1515 SBR 10 Sh A  27 17 Rolo 25 m	1615 SBR 10 Sh A  28 6 Rolo 50 m ✱	1493 SBR 10 Sh A  28 12 Rolo 25 m	1305 EPDM 10 Sh A  28 16 Rolo 25 m
1008 SBR 10 Sh A  28 19 Rolo 25 m	1061 SBR 10 Sh A  28 28 Rolo 25 m	1591 EPDM 10 Sh A  28,5 24 Rolo 25 m	

✱ ITEM NOVO

LINHA 1.000 - PERFIS ESPONJOSOS

A

08

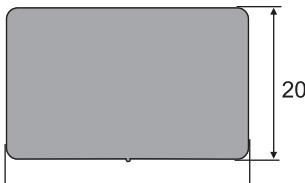
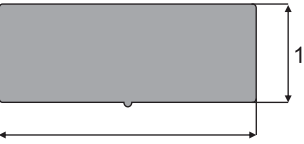
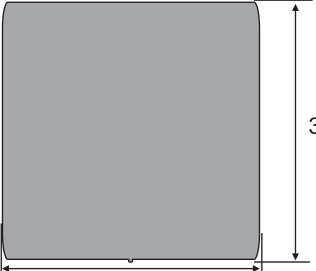
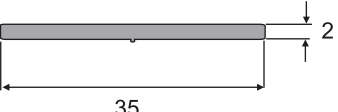
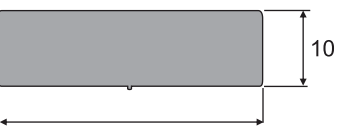
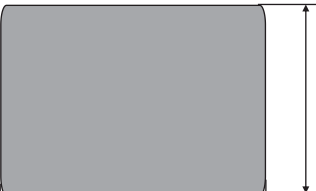
1386 SBR 10 Sh A  Rolo 50 m	1392 SBR 10 Sh A  Rolo 50 m	1131 SBR 10 Sh A 1545 EPDM 10 Sh A  Rolo 50 m	1132 SBR 10 Sh A  Rolo 50 m
1668 SBR 10 Sh A  Rolo 50 m	1181 SBR 10 Sh A 1507 EPDM 10 Sh A  Rolo 25 m	1664 EPDM 25 Sh A  Rolo 25 m	1567 SBR 10 Sh A  Rolo 25 m
1089 SBR 10 Sh A 1582 EPDM 10 Sh A  Rolo 25 m	1226 SBR 10 Sh A 1621 EPDM 10 Sh A  Rolo 25 m	1124 SBR 10 Sh A 1202 EPDM 10 Sh A  Rolo 25 m	1081 SBR 10 Sh A 1486 EPDM 10 Sh A  Rolo 25 m
1287 SBR 15 Sh A  Rolo 50 m	1048 SBR 10 Sh A 1627 EPDM 10 Sh A  Rolo 50 m	1286 SBR 10 Sh A  Rolo 25 m	

* ITEM NOVO

LINHA 1.000 - PERFIS ESPONJOSOS

A

09

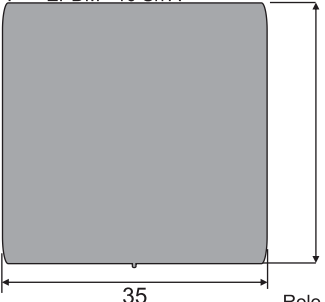
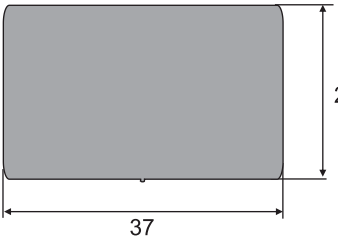
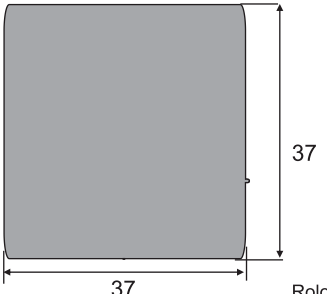
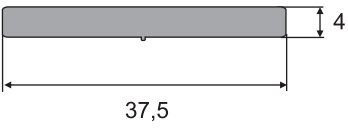
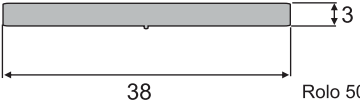
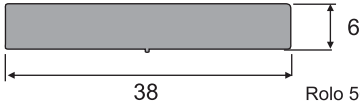
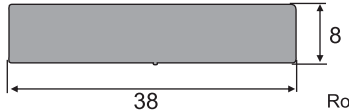
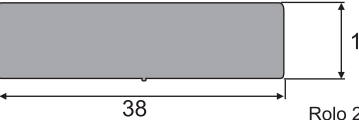
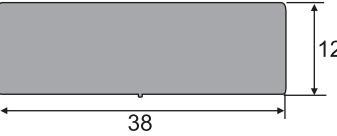
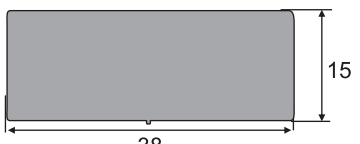
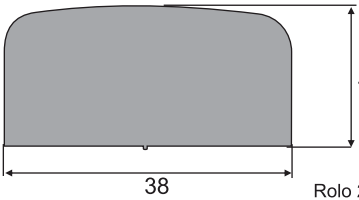
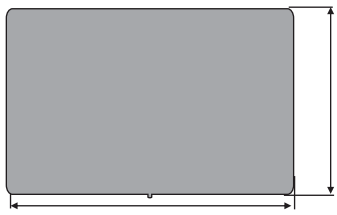
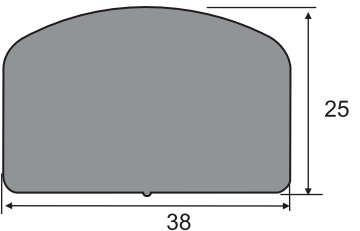
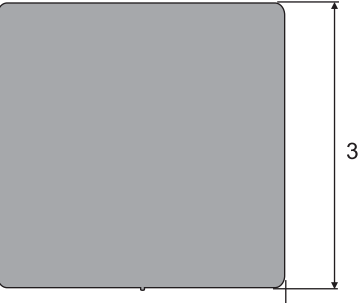
1044 SBR 10 Sh A  32 10 Rolo 25 m	1292 SBR 10 Sh A  32 13 Rolo 25 m	1629 SBR 10 Sh A  32 20 Rolo 25 m	1362 SBR 10 Sh A 1364 EPDM 10 Sh A  32 32 Rolo 25 m
1463 SBR 15 Sh A  34 13 Rolo 25 m	1356 SBR 10 Sh A  34 34 Rolo 25 m	1135 SBR 15 Sh A  35 2 Rolo 50 m	1353 SBR 10 Sh A  35 5 Rolo 50 m
1050 SBR 10 Sh A  35 8 Rolo 25 m	1354 SBR 10 Sh A  35 10 Rolo 25 m	1660 SBR 10 Sh A  35 12 Rolo 25 m	
1319 SBR 10 Sh A  35 14 Rolo 25 m	1458 SBR 10 Sh A  35 20 Rolo 25 m	1492 SBR 10 Sh A  35 25 Rolo 25 m	1482 SBR 10 Sh A  35 30 Rolo 25 m

* ITEM NOVO

LINHA 1.000 - PERFIS ESPONJOSOS

A

10

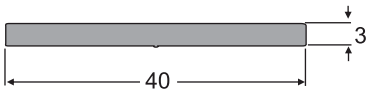
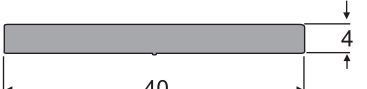
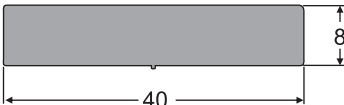
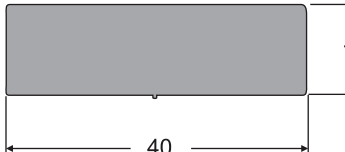
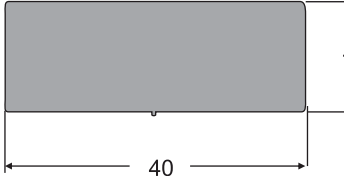
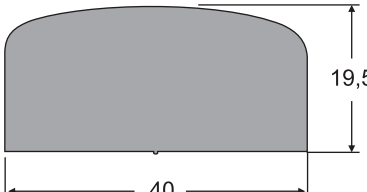
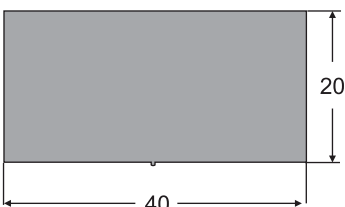
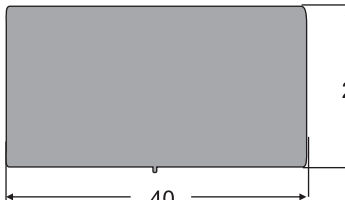
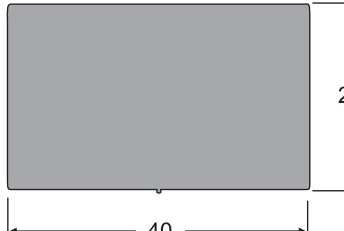
1501 EPDM 10 Sh A  35 35 Rolo 25 m	1236 SBR 10 Sh A  23 37 Rolo 25 m	1476 EPDM 10 Sh A  37 37 Rolo 25 m	1054 SBR 10 Sh A  4 37,5 Rolo 50 m
1284 SBR 15 Sh A  3 38 Rolo 50 m	1018 SBR 10 Sh A  6 38 Rolo 50 m	1635 SBR 10 Sh A  8 38 Rolo 50 m	1055 SBR 10 Sh A  10 38 Rolo 25 m
1454 SBR 10 Sh A  12,5 38 Rolo 25 m	1056 SBR 10 Sh A 1231 EPDM 10 Sh A  15 38 Rolo 25 m	1345 EPDM 10 Sh A 1459 SBR 10 Sh A  18 38 Rolo 25 m	1062 SBR 10 Sh A  19 38 Rolo 25 m
1636 SBR 10 Sh A  25 38 Rolo 25 m	1343 EPDM 10 Sh A 1488 SBR 10 Sh A  25 38 Rolo 25 m	1296 EPDM 10 Sh A  26 38 Rolo 25 m	1138 SBR 10 Sh A  38 38 Rolo 25 m

* ITEM NOVO

LINHA 1.000 - PERFIS ESPONJOSOS

A

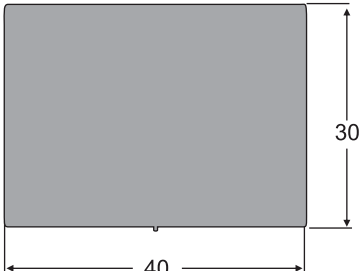
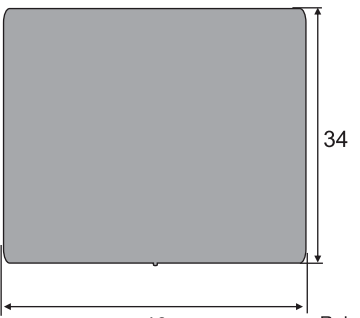
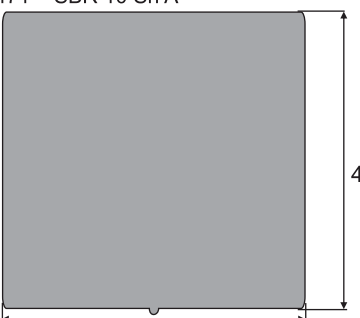
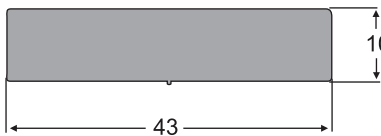
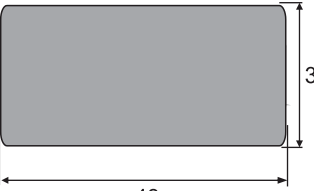
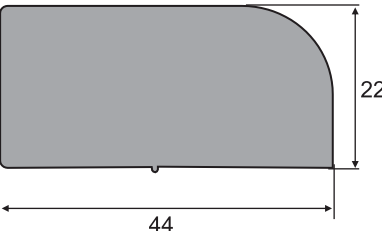
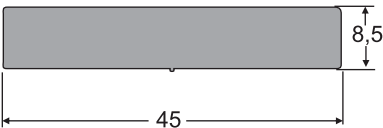
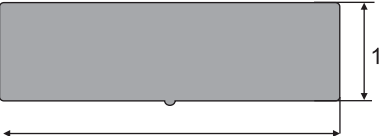
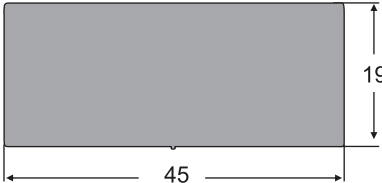
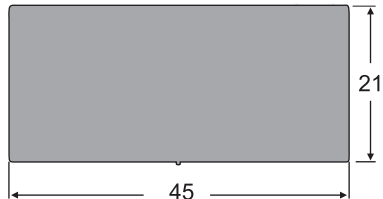
11

1387 SBR 10 Sh A  Rolo 50 m	1393 SBR 10 Sh A  Rolo 50m	1363 SBR 10 Sh A  Rolo 50 m	1400 SBR 10 Sh A  Rolo 25 m
1140 SBR 10 Sh A  Rolo 25 m	1013 SBR 10 Sh A 1508 EPDM 10 Sh A 1528 SBR 20 Sh A  Rolo 25 m	1046 SBR 10 Sh A 1230 EPDM 10 Sh A  Rolo 25 m	1406 SBR 10 Sh A  Rolo 25 m
1045 SBR 10 Sh A  Rolo 25 m	1005 SBR 10 Sh A 1502 EPDM 10 Sh A  Rolo 25 m	1680 SBR 10 Sh A  Rolo 25 m	1156 SBR 10 Sh A 1426 SBR 25 Sh A  Rolo 25 m

LINHA 1.000 - PERFIS ESPONJOSOS

A

12

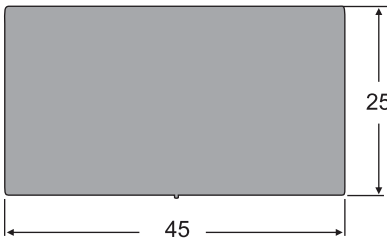
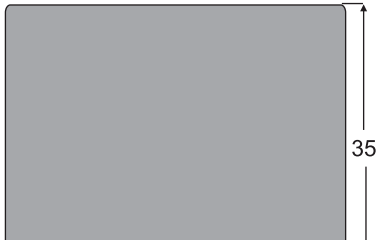
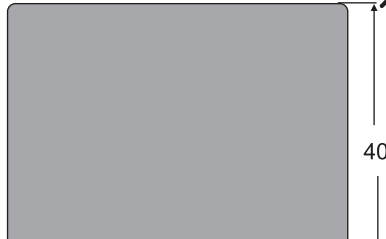
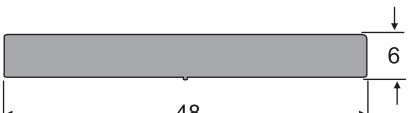
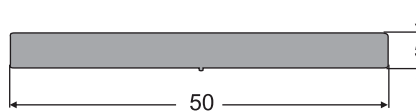
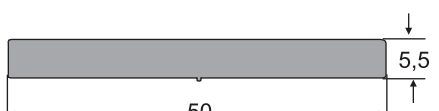
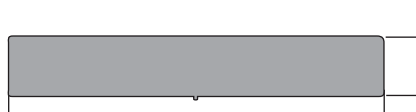
1346 SBR 10 Sh A 1379 EPDM 10 Sh A  40 30 Rolo 25 m	1349 SBR 10 Sh A  40 34 Rolo 25 m	1464 EPDM 10 Sh A 1471 SBR 10 Sh A  40 40 Rolo 25 m	1494 SBR 10 Sh A  43 10 Rolo 25 m
1675 SBR 10 Sh A  43 30 Rolo 25 m	1634 SBR 10 Sh A  44 22 Rolo 25 m	1057 SBR 10 Sh A 1342 SBR 15 Sh A  45 8,5 Rolo 25 m	1633 SBR 10 Sh A  45 10 Rolo 25 m
1455 SBR 10 Sh A  45 13 Rolo 25 m	1237 SBR 10 Sh A  45 19 Rolo 25 m	1154 SBR 10 Sh A  45 21 Rolo 25 m	

* ITEM NOVO

LINHA 1.000 - PERFIS ESPONJOSOS

A

13

1216 SBR 10 Sh A 1523 SBR 15 Sh A  25 45 Rolo 25 m	A1666 SBR 10 Sh  30 45 Rolo 25 m	1220 SBR 10 Sh A  35 45 Rolo 25 m	1603 SBR 10 Sh A 1613 EPDM 10 Sh A  40 45 Rolo 15 m
1248 SBR 15 Sh A  6 48 Rolo 25 m	1280 SBR 10 Sh A  10 48 Rolo 25 m	1289 SBR 15 Sh A  3 50 Rolo 25 m	1394 SBR 10 Sh A  4 50 Rolo 25 m
1397 SBR 10 Sh A  5 50 Rolo 25 m	1097 SBR 10 Sh A  5,5 50 Rolo 25 m	1401 SBR 10 Sh A  6 50 Rolo 25 m	1157 SBR 10 Sh A  8 50 Rolo 25 m
1403 SBR 10 Sh A 1509 EPDM 10 Sh A  10 50 Rolo 25 m	1276 SBR 10 Sh A  10,5 50 Rolo 25 m	1158 SBR 10 Sh A 1232 EPDM 10 Sh A 1461 SBR 25 Sh A  12 50 Rolo 25 m	1407 SBR 10 Sh A 1631 EPDM 10 Sh A  15 50 Rolo 25 m

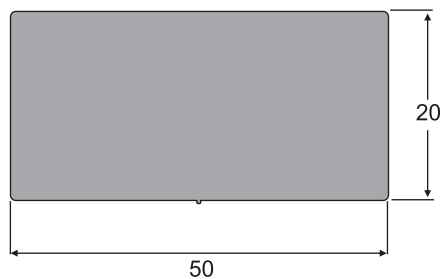
* ITEM NOVO

LINHA 1.000 - PERFIS ESPONJOSOS

A

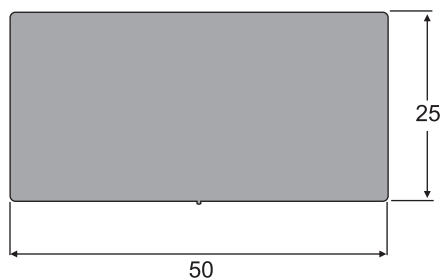
14

1348 SBR 10 Sh A



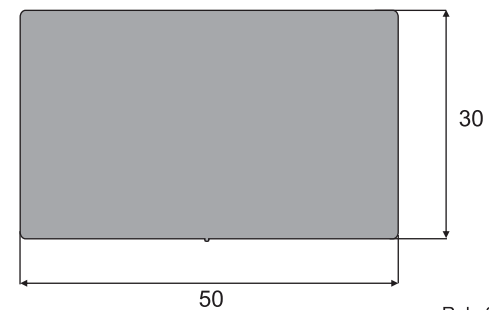
Rolo 25 m

1241 SBR 10 Sh A



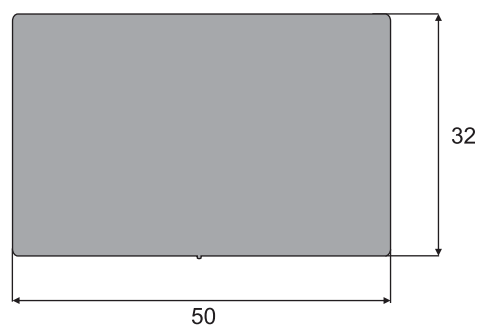
Rolo 25 m

1408 SBR 10 Sh A



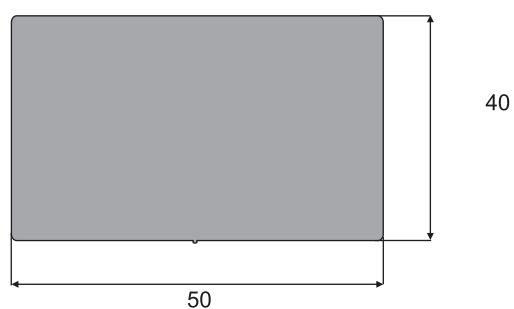
Rolo 25 m

1293 SBR 10 Sh A



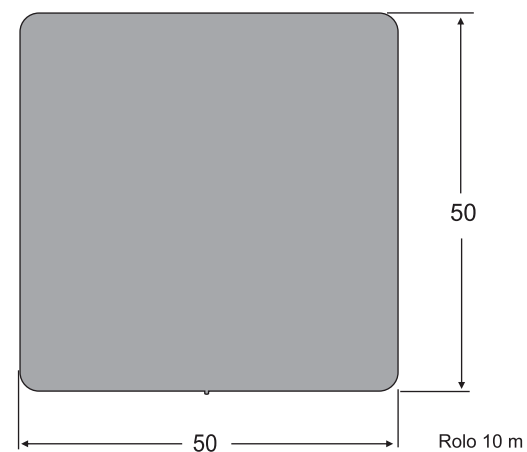
Rolo 15 m

1553 SBR 10Sh A



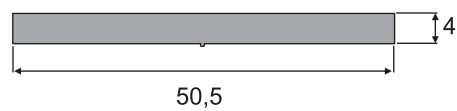
Rolo 15 m

1271 SBR 10 Sh A



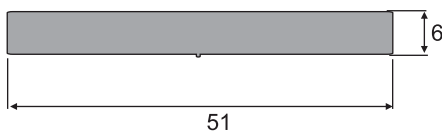
Rolo 10 m

1322 SBR 10 Sh A



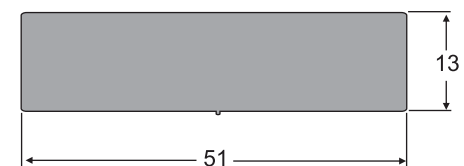
Rolo 25 m

1290 SBR 10 Sh A



Rolo 25 m

1281 SBR 10 Sh A

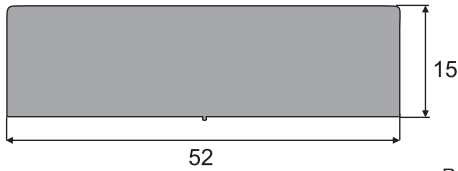
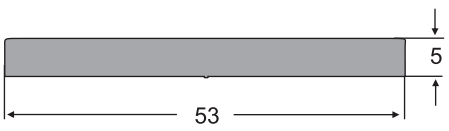
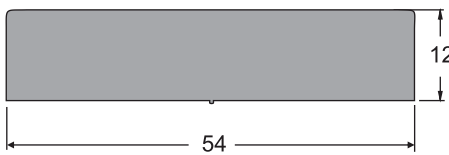
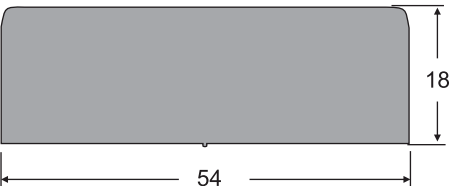
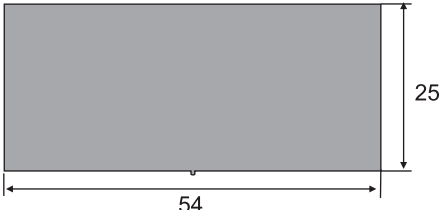
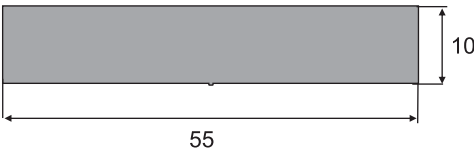
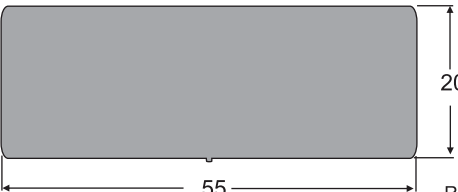
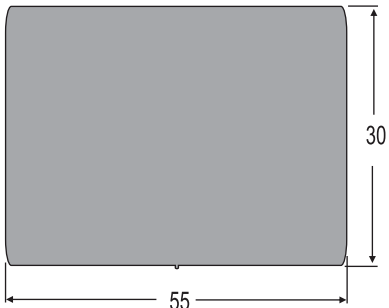
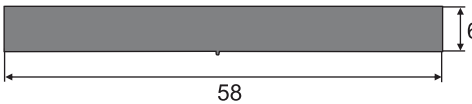
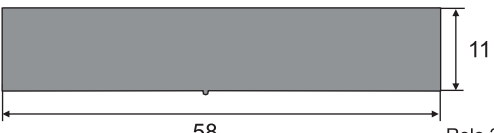
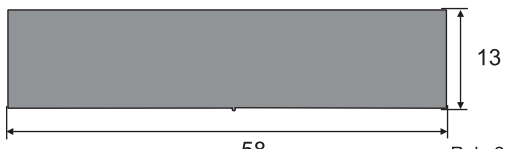


Rolo 25 m

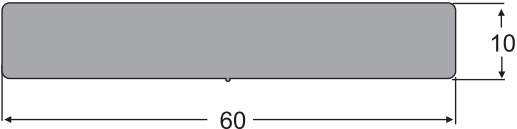
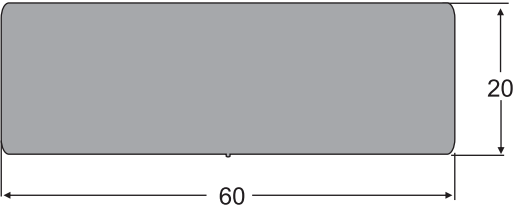
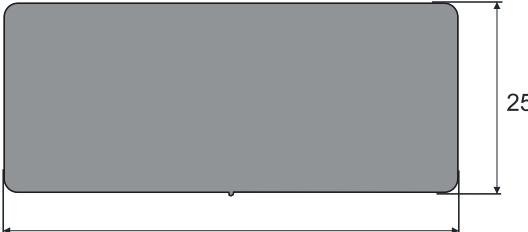
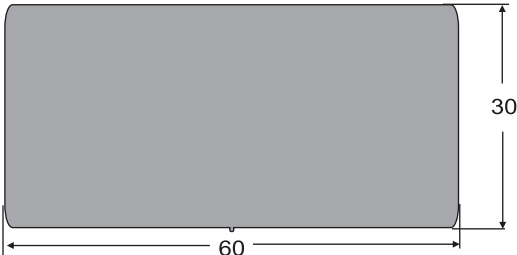
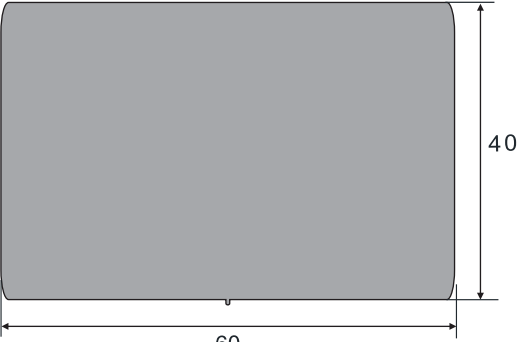
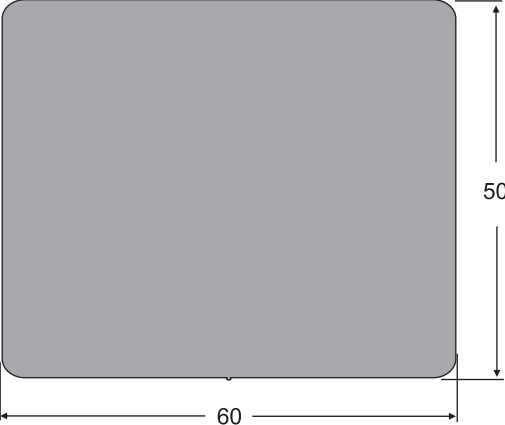
LINHA 1.000 - PERFIS ESPONJOSOS

A

15

1460 SBR 15 Sh A  52 15 Rolo 25 m	1495 SBR 10 Sh A  53 5 Rolo 50 m	1026 SBR 10 Sh A  54 12 Rolo 25 m
1047 SBR 10 Sh A 1527 EPDM 10 Sh A  54 18 Rolo 25 m	1341 EPDM 20 Sh A  54 25 Rolo 25 m	1496 SBR 10 Sh A 1534 SBR 20 Sh A  55 10 Rolo 25 m
1377 SBR 10 Sh A  55 20 Rolo 25 m	1358 SBR 10 Sh A  55 30 Rolo 15 m	1519 SBR 15 Sh A  58 6 Rolo 25 m
1520 SBR 10 Sh A  58 9,5 Rolo 25 m	1521 SBR 10 Sh A  58 11 Rolo 25 m	1522 SBR 10 Sh A  58 13 Rolo 25 m

LINHA 1.000 - PERFIS ESPONJOSOS

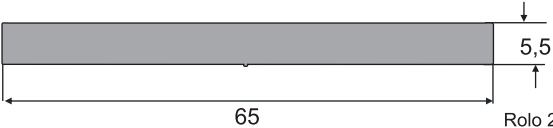
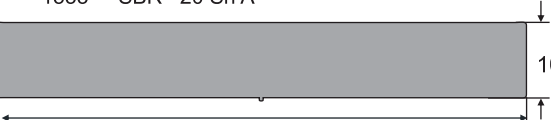
1411 SBR 10 Sh A  Rolo 25 m	1436 SBR 10 Sh A  Rolo 25 m	1273 SBR 10 Sh A 1529 SBR 20 Sh A  Rolo 25 m
1645 SBR 10 Sh A  Rolo 25 m	1272 SBR 10 Sh A  Rolo 25 m	1646 SBR 10 Sh A  Rolo 25 m
1409 SBR 10 Sh A  Rolo 25 m	1554 SBR 10 Sh A  Rolo 15 m	1268 SBR 10 Sh A  Rolo 10 m

* ITEM NOVO

LINHA 1.000 - PERFIS ESPONJOSOS

A

17

1674 SBR 10 Sh A  63 13 Rolo 25 m	1586 SBR 10 Sh A  63 32 Rolo 15 m	1228 SBR 10 Sh A  65 5,5 Rolo 25 m 1497 SBR 10 Sh A  65 10 Rolo 25 m
1643 EPDM 10 Sh A  65 16,5 Rolo 25 m	1412 SBR 15 Sh A  70 4 Rolo 25 m	1647 SBR 10 Sh A  70 6,5 Rolo 25 m
1199 SBR 10 Sh A 1275 SBR 15 Sh A 1533 SBR 20 Sh A  70 10 Rolo 25 m	1417 SBR 10 Sh A  70 12 Rolo 25 m	1648 SBR 10 Sh A  70 15 Rolo 25 m
1309 SBR 10 Sh A  70 20 Rolo 25 m	1651 SBR 10 Sh A  70 25 Rolo 25 m	1602 EPDM 10 Sh A  70 30 Rolo 15 m

* ITEM NOVO

LINHA 1.000 - PERFIS ESPONJOSOS

A

18

1068 SBR 10 Sh A Base Capota Fibra 73 6,5 Rolo 25 m	1588 SBR 10 Sh A 74 5 Rolo 25 m	1414 SBR 10 Sh A 75 6 Rolo 25 m
1029 SBR 10 Sh A 1365 SBR 15 Sh A 75 6,5 Rolo 25 m	1639 EPDM 10 Sh A 75 8 Rolo 25 m	1530 SBR 20 Sh A 75 10 Rolo 25 m
1418 SBR 10 Sh A 75 15 Rolo 25 m	1652 SBR 10 Sh A 75 20 Rolo 25 m	1468 SBR 10 Sh A 75 28 Rolo 15 m
1291 SBR 15 Sh A 76 5 Rolo 25 m	1474 SBR 10 Sh A 76 12,5 Rolo 25 m	

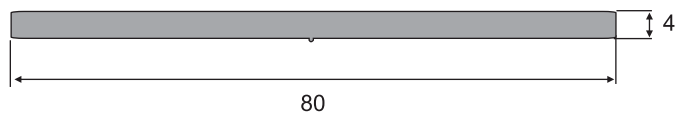
* ITEM NOVO

LINHA 1.000 - PERFIS ESPONJOSOS

A

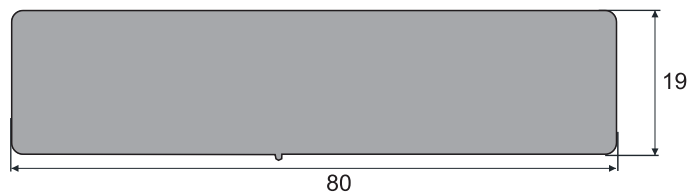
19

1413 SBR 15 Sh A



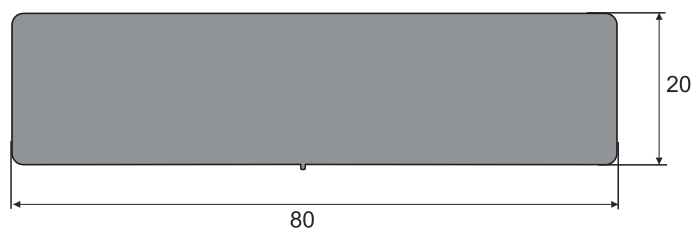
Rolo 25 m

1650 EPDM 20 Sh A



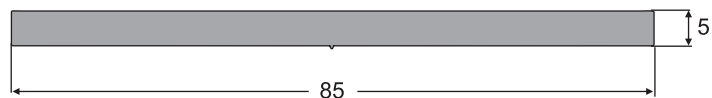
Rolo 25 m

1657 EPDM 10 Sh A



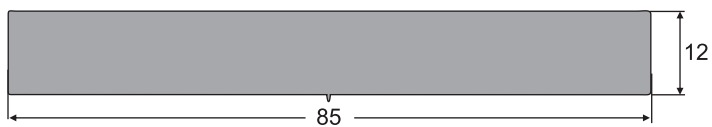
Rolo 25 m

1499 SBR 15 Sh A



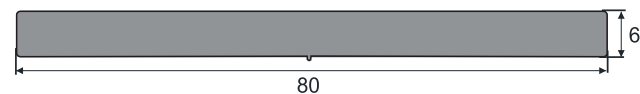
Rolo 25 m

1658 SBR 15 Sh A



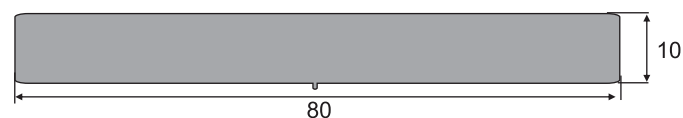
Rolo 25 m

1665 SBR 10 Sh A



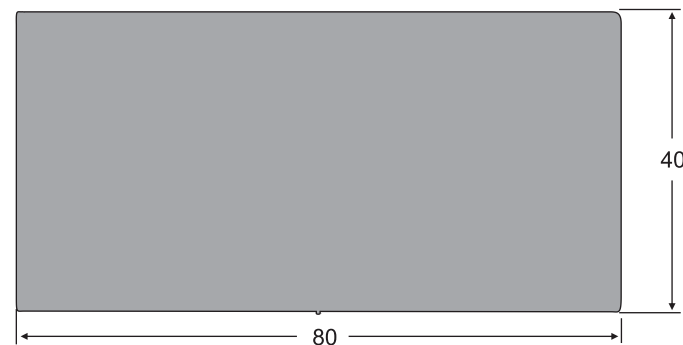
Rolo 25 m

1498 SBR 10 Sh A
1531 SBR 20 Sh A



Rolo 25 m

1151 SBR 10 Sh A



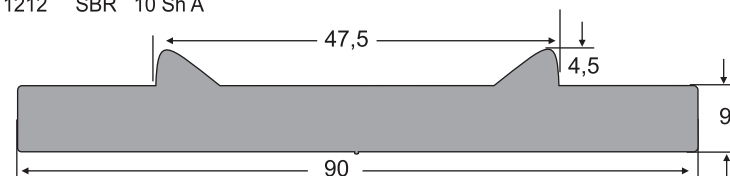
Rolo 10 m

1481 EPDM 25 Sh A



Rolo 25 m

1212 SBR 10 Sh A



Rolo 25 m

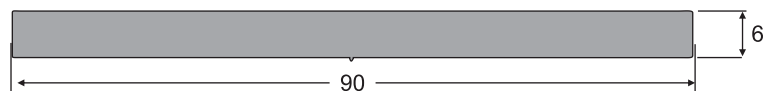
* ITEM NOVO

LINHA 1.000 - PERFIS ESPONJOSOS

A

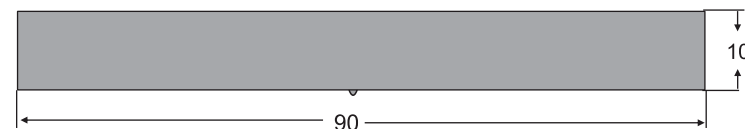
20

1500 SBR 15 Sh A



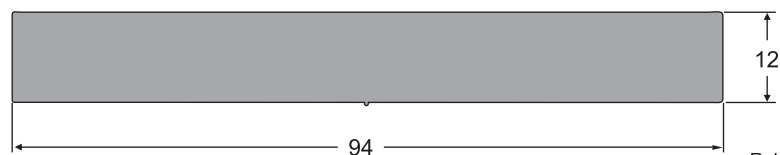
Rolo 25 m

1532 SBR 20 Sh A



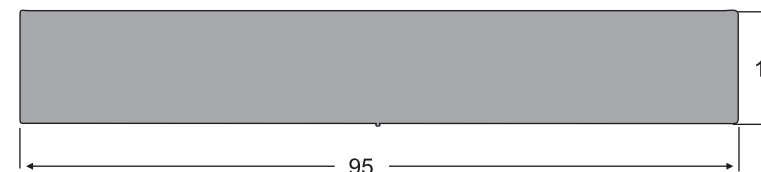
Rolo 25 m

1213 SBR 15 Sh A
1632 EPDM 15 Sh A



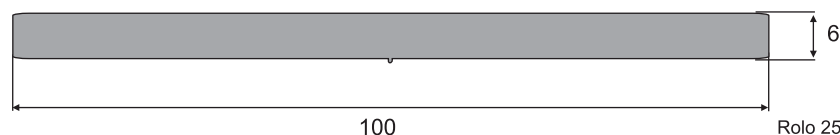
Rolo 15 m

1214 SBR 15 Sh A



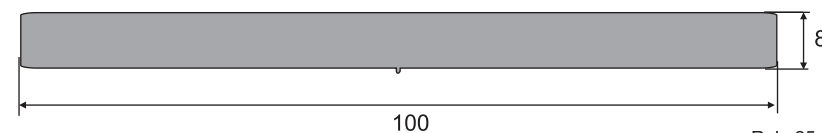
Rolo 15 m

1294 EPDM 20 Sh A
1473 SBR 15 Sh A



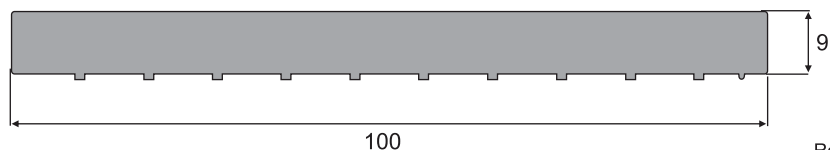
Rolo 25 m

1601 EPDM 20 Sh A



Rolo 25 m

1298 SBR 25 Sh A



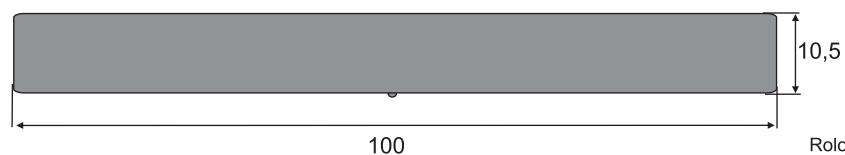
Rolo 25 m

1439 SBR 10 Sh A
1557 SBR 20 Sh A



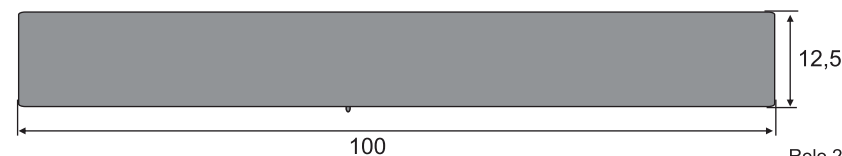
Rolo 25 m

1556 SBR 15 Sh A



Rolo 25 m

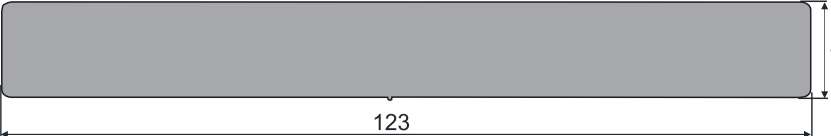
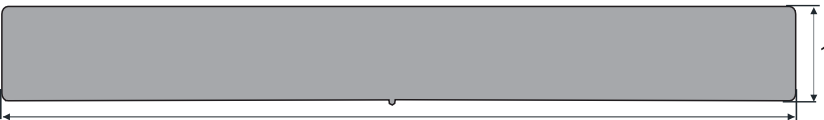
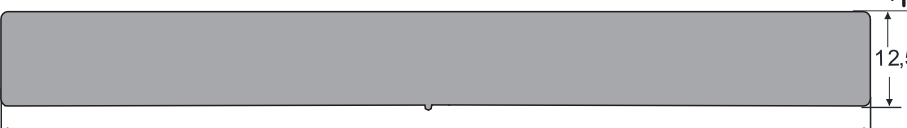
1516 SBR 10 Sh A



Rolo 25 m

* ITEM NOVO

LINHA 1.000 - PERFIS ESPONJOSOS

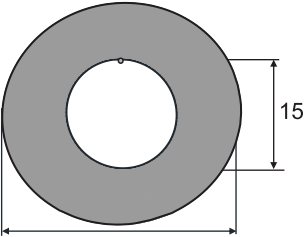
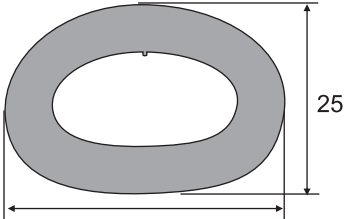
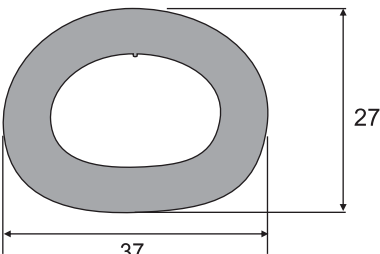
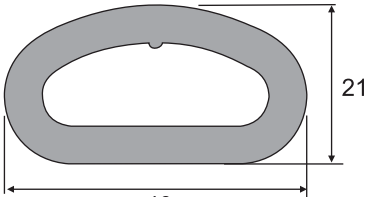
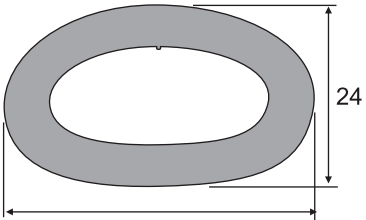
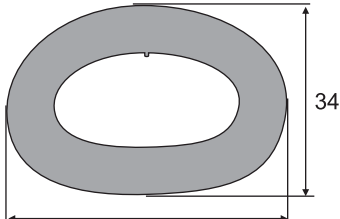
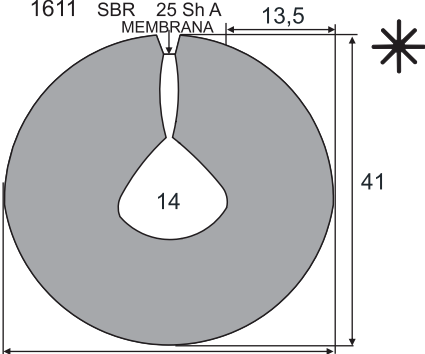
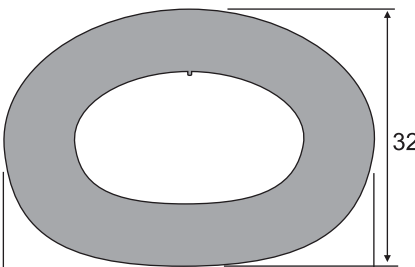
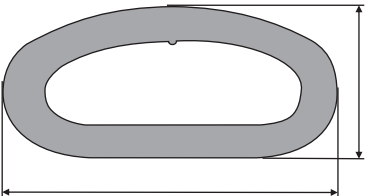
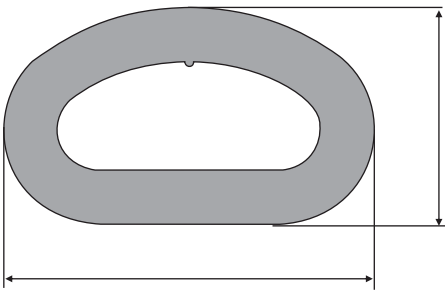
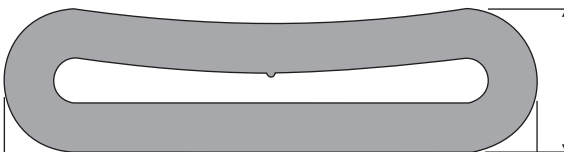
1659 SBR 15 Sh A  100 Rolo 15 m	1430 SBR 15 Sh A  100 Rolo 10 m
1587 SBR 15 Sh A  100 Rolo 10 m	1620 SBR 15 Sh A  105 Rolo 25 m
1663 SBR 10 Sh A  123 Rolo 15 m	1672 SBR 15 Sh A  120 Rolo 15 m
1575 SBR 10 Sh A  127 Rolo 10 m	1581 EPDM 20 Sh A  126 Rolo 15 m
	1649 SBR 15 Sh A  130 Rolo 15 m

* ITEM NOVO

LINHA 1.000 - TUBOS ESPONJOSOS

A

22

1571 EPDM 25 Sh A  33 Ø Interno: 15mm usar 17mm Rolo 25 m	1315 SBR 25 Sh A  37 Ø Interno: 18,5 mm usar 23mm Rolo 25 m	1329 EPDM 25 Sh A  37 Ø Interno: 21 mm usar 25,4mm Rolo 25 m	1447 SBR 25 Sh A  40 Ø Interno: 21 mm usar 25,4mm Rolo 25 m
1316 SBR 25 Sh A parede 6mm. 1330 EPDM 25 Sh A parede 7mm. 1462 EPDM 20 Sh A parede 6,5mm  41 Ø Interno: 23 mm usar 28mm Rolo 25 m	1589 EPDM 25 Sh A  42 Ø Interno: 20 mm usar 23mm Rolo 25 m	1611 SBR 25 Sh A MEMBRANA  13,5 14 41 43,5 Rolo 25 m	1266 SBR 25 Sh A 1331 EPDM 25 Sh A  45 32 Ø Interno: 22,5 mm usar 27mm Rolo 25 m
1448 SBR 50 Sh A  45,5 20 Ø Interno: 22mm usar 27mm. Rolo 25 m	1472 EPDM 25 Sh A 1684 EPDM 20 Sh A  47 32,5 Ø Interno: 25,6 mm usar 30mm Rolo 25 m	1449 SBR 50 Sh A  74 19 Ø Interno: 31 mm usar 36 mm Rolo 25 m	

✱ ITEM NOVO

CONSIDERAÇÕES IMPORTANTES

ACONDICIONAMENTO DOS CORDÕES ESPONJOSOS/MACIÇOS

ESPONJOSOS			MACIÇOS		
Ø mm	m / rolo	Frações / rolo	Ø mm	m / rolo	Frações / rolo
4 a 7	150	3 x 50 m	3 a 6	150	3 x 50 m
8 a 10	75	3 x 25m	7 a 9	75	3 x 25 m
11 a 14	60	3 x 20 m	10 a 14	50	2 x 25 m
15 a 25	25	Inteiro	15 a 25	25	Inteiro

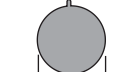
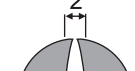
TABELA DE TOLERÂNCIAS

COTA mm	até 5	6 a 10	11 a 15	16 a 20	21 a 30	31 a 50	51 a 80	81 a 120	121 a 180
MACIÇA	± 0,2	± 0,3	± 0,4	± 0,5	± 0,7	± 1,0	± 1,2	± 1,4	± 1,6
ESPONJA	± 0,3	± 0,4	± 0,5	± 0,8	± 1,0	± 1,5	± 2,0	± 2,5	± 3,0

LINHA 1.000 - PERFIS ESPONJOSOS

A

23

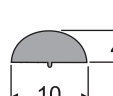
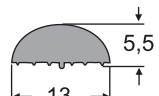
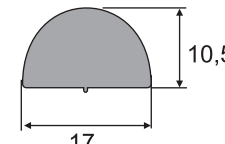
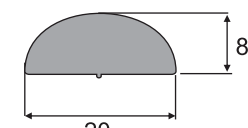
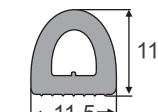
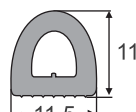
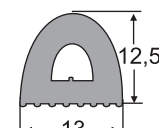
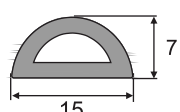
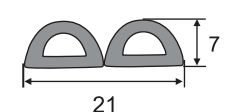
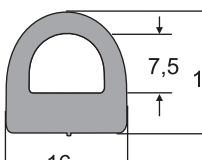
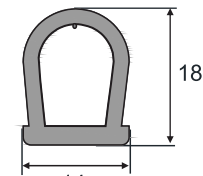
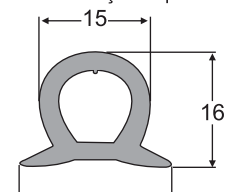
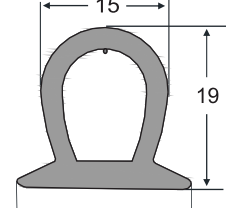
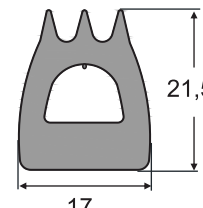
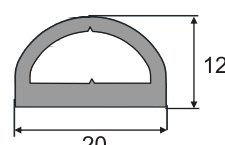
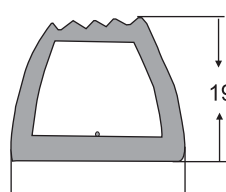
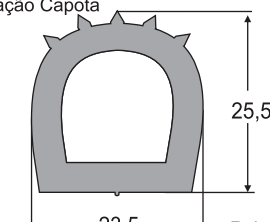
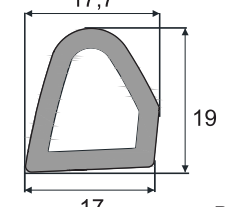
1204 SBR 15 Sh A 1548 EPDM 15 Sh A  Rolo 150 m	1147 SBR 10 Sh A 1549 EPDM 15 Sh A  Rolo 150 m	1015 SBR 10 Sh A 1550 EPDM 15 Sh A  Rolo 150 m	1020 SBR 10 Sh A 1551 EPDM 15 Sh A  Rolo 150 m	1038 SBR 10 Sh A 1552 EPDM 15 Sh A 1640 EPDM 25 Sh A  Rolo 75 m
1041 SBR 10 Sh A  Rolo 75 m	1027 SBR 10 Sh A 1626 SBR 25 Sh A  Rolo 75 m	1069 SBR 10 Sh A 1239 SBR 15 Sh A  Rolo 60 m	1070 SBR 10 Sh A 1489 EPDM 10 Sh A  Rolo 60 m	1071 SBR 10 Sh A  Rolo 60 m
1227 SBR 10 Sh A  Rolo 60 m	SBR 10 Sh A SBR 25 Sh A  Rolo 25 m	1153 SBR 10 Sh A  Rolo 25 m	1244 SBR 10 Sh A  Rolo 25 m	SBR 10 Sh A EPDM 10 Sh A  Rolo 25 m
1311 SBR 10 Sh A  Rolo 25 m	1312 SBR 10 Sh A  Rolo 25 m	1099 SBR 15 Sh A  Rolo 25 m	1421 SBR 25 Sh A  Rolo 50 m	1422 SBR 25 Sh A  Rolo 25 m

* ITEM NOVO

LINHA 1.000 - PERFIS ESPONJOSOS

A

24

1040 SBR 10 Sh A  Rolo 100 m	1478 SBR 25 Sh A  Rolo 75 m	1321 SBR 10 Sh A  Rolo 100 m	1368 EPDM 20 Sh A  Rolo 50 m	1600 SBR 25 Sh A Vedação Tampa de Tambor Com grau alimentício  Rolo 100 m
1175 SBR 25 Sh A 1456 EPDM 25 Sh Vedação Tampa de Tambor  Rolo 100 m	1197 SBR 25 Sh A 1457 EPDM 25 Sh A Vedação Tampa de Tambor  Rolo 100 m	1679 EPDM 20 Sh A  Rolo 25 m	1525 EPDM 20 Sh A  Rolo 30 m	1590 EPDM 10 Sh A  Rolo 100 m
1206 EPDM 15 Sh A Base Capô África Marcopolo  Rolo 50 m	1610 EPDM 25 Sh A  Rolo 25 m	1112 SBR 15 Sh A Vedação Capota  Rolo 25 m	1584 SBR 25 Sh A  Rolo 25 m	1570 EPDM 15 Sh A  Rolo 25 m
1616 EPDM 25 Sh A  Rolo 25 m	1514 EPDM 25 Sh A  Rolo 25 m	1219 EPDM 20 Sh A Vedação Capota  Rolo 25 m	1683 EPDM 25 Sh A  Rolo 25 m	

* ITEM NOVO

LINHA 1.000 - PERFIS ESPONJOSOS

A

25

1196 SBR 25 Sh A Vedação Tampa de Tambor Rolo 200 m	1176 SBR 10 Sh A Rolo 100 m	1596 EPDM 10 Sh A Rolo 100 m	1012 SBR 10 Sh A Rolo 50 m	1136 SBR 10 Sh A Rolo 50 m
1222 SBR 10 Sh A 1470 EPDM 15 Sh A Vedação Quadro de Comando Rolo 100 m	1215 SBR 10 Sh A 1210 EPDM 15 Sh A 1263 EPDM 20 Sh A Vedação Quadro de Comando Rolo 100 m	1308 EPDM 10 Sh A 10 Rolo 50 m	1198 SBR 10 Sh A 1466 EPDM 10 Sh A Vedação Quadro de Comando Rolo 50 m	1066 SBR 10 Sh A 1149 EPDM 10 Sh A Vedação Quadro de Comando Rolo 50 m
1371 EPDM 15 Sh A Vedação Quadro de Comando Rolo 50 m	1254 SBR 10 Sh A Rolo 25 m	1334 SBR 10 Sh A Rolo 25 m	1433 SBR 15 Sh A Vedação Universal Rolo 50 m	1205 SBR 10 Sh A Vedação Tampa Inspeção Painel Marcopolo Rolo 50 m
1035 SBR 10 Sh A Vedação Feixo Retrátil Esquadrias Rolo 50 m	1092 SBR 10 Sh A Rolo 50 m	1186 SBR 10 Sh A 1453 EPDM 10 Sh A Vedação Quadro Comando Rolo 50 m	1595 EPDM 15 Sh A 18 Rolo 25 m	

LINHA 1.000 - PERFIS ESPONJOSOS

A

26

1517 SBR 10 Sh A Rolo 50 m	1431 SBR 15 Sh A 1607 EPDM 15 Sh A * Rolo 100 m	1065 SBR 10 Sh A Rolo 50 m	1064 SBR 10 Sh A Rolo 50 m	1109 SBR 10 Sh A Vedação Ônibus Gabriela - Comil Rolo 50 m
1073 SBR 10 Sh A Porta MB 0362 e 0364 Rolo 50 m	1526 SBR 10 Sh A Rolo 25 m	1128 SBR 10 Sh A Bagageiro Diplomata Busscar Rolo 25 m	1074 SBR 10 Sh A Rolo 50 m	1555 EPDM 25 Sh A Rolo 25 m
1084 SBR 10 Sh A Vedação portas furgão Rolo 25 m	1372 SBR 15 Sh A 1677 SBR 10 Sh A * Rolo 25 m	1375 SBR 15 Sh A Rolo 25 m	1491 SBR 10 Sh A Vedação portas furgão Rolo 25 m	1562 SBR 15 Sh A 1678 SBR 10 Sh A * Rolo 25 m
1094 SBR 10 Sh A Rolo 25 m	1145 SBR 10 Sh A Rolo 25 m	1490 SBR 10 Sh A Rolo 25 m		

* ITEM NOVO

LINHA 1.000 - PERFIS ESPONJOSOS

A

27

1101 SBR 10 Sh A Vedação Base Capota Rolo 50 m	1238 SBR 15 Sh A Vedação Base Capota Rolo 100 m	1295 SBR 15 Sh A 1344 EPDM 20 Sh A Vedação Base Capota Rolo 50 m	1512 EPDM 15 Sh A Vedação Farol de Trator Rolo 50 m	1606 EPDM 10 Sh A Rolo 50 m
1278 SBR 10 Sh A Vedação Base Capotas Rolo 25 m	1442 SBR 10 Sh A Vedação Base Capotas Rolo 50 m	1179 SBR 10 Sh A Rolo 50 m	1152 SBR 15 Sh A Rolo 50 m	1178 EPDM 25 Sh A Rolo 25 m
1172 EPDM 15 Sh A Rolo 100 m	1564 EPDM 20 Sh A Rolo 100 m	1653 EPDM 25 Sh A Rolo 100 m	1247 EPDM 15 Sh A Rolo 100 m	1538 EPDM 20 Sh A Rolo 100 m
1125 SBR 15 Sh A 1477 EPDM 20 Sh A Rolo 50 m	1325 EPDM 20 Sh A Rolo 50 m	1576 EPDM 20 Sh A Rolo 25 m	1350 EPDM 15 Sh A Rolo 50 m	1547 EPDM 20 Sh A Rolo 50 m

* ITEM NOVO

LINHA 1.000 - PERFIS ESPONJOSOS

A

28

1351 SBR 15 Sh A Rolo 50 m	1357 EPDM 15 Sh A Rolo 50 m	1662 EPDM 10 Sh A Rolo 50 m	1667 SBR 10 Sh A Rolo 25 m	1628 EPDM 15 Sh A Rolo 25 m
1419 EPDM 20 Sh A Rolo 100 m	1503 EPDM 25 Sh A Rolo 100 m	1504 EPDM 25 Sh A Rolo 25 m	1143 SBR 15 Sh A Rolo 25 m	1535 EPDM 15 Sh A Rolo 25 m
1572 EPDM 20 Sh A Rolo 25 m	1541 EPDM 20 Sh A Rolo 25 m	1141 SBR 15 Sh A Rolo 25 m	1434 SBR 15 Sh A Vedação Universal Rolo 50 m	1166 SBR 10 Sh A Rolo 50 m
1111 SBR 15 Sh A Rolo 25 m	1103 SBR 15 Sh A Rolo 25 m	1142 SBR 15 Sh A Rolo 25 m	1102 SBR 15 Sh A Bagageiro MB 0364 Rolo 25 m	1685 SBR 10 Sh A Rolo 25 m

* ITEM NOVO

LINHA 1.000 - PERFIS ESPONJOSOS

A

29

1277 EPDM 10 Sh A Porta Lateral Linshalm Rolo 25 m	1165 EPDM 10 Sh A Porta Lateral Linshalm Rolo 25 m	1360 SBR 15 Sh A Porta Furgão A Guerra Rolo 25 m	1091 SBR 15 Sh A Caixa Rancho Fachini Rolo 25 m	1671 EPDM 15 Sh A Rolo 25 m
1075 EPDM 15 Sh A Rolo 25 m	1170 EPDM 15 Sh A Porta Traseira Linshalm Rolo 25 m	1337 EPDM 10 Sh A Porta Tras Linshalm - Modelo 2005 Rolo 25 m	1085 EPDM 15 Sh A Porta Traseira Linshalm Rolo 25 m	1599 SBR 15 Sh A Rolo 25 m
1155 SBR 15 Sh A Porta Furgão Fachini Alumínio Rolo 25 m	1185 SBR 15 Sh A Porta Furgão Fachini Alumínio Rolo 25 m	1303 EPDM 15 Sh A Porta Furgão Fachini Galvanizado Rolo 25 m	1352 EPDM 15 Sh A Porta Furgão Galvanizado Fachini Rolo 25 m	

LINHA 1.000 - PERFIS ESPONJOSOS

A

30

1256 SBR 15 Sh A Furgão Iderol Rolo 25 m	1258 SBR 15 Sh A 1574 EPDM 15 Sh A Furgão Iderol Rolo 25 m	1524 EPDM 10 Sh A Rolo 25 m	1661 SBR 10 Sh A Rolo 25 m	1098 SBR 10 Sh A Porta Furgão Rolo 25 m
1612 SBR 10 Sh A Rolo 25 m	1233 SBR 15 Sh A Rolo 25 m	1033 SBR 10 Sh A 1518 EPDM 10 Sh A Porta Furgão Cargo Van Rolo 25 m	1578 EPDM 10 Sh A Porta Furgão Cargo Van Rolo 25 m	1373 SBR 10 Sh A Porta Furgão Cargo Van com aba Rolo 25 m
1440 SBR 15 Sh A Porta furgão Antonini Rolo 25 m	1264 SBR 15 Sh A Porta Furgão Rodoviária Rolo 25 m	1511 SBR 10 Sh A Rolo 25 m	1366 EPDM 15 Sh A Porta Furgão Randon Rolo 25 m	1429 SBR 15 Sh A Porta furgão Randon c/ aba Rolo 25 m

ITEM NOVO

LINHA 1.000 - PERFIS ESPONJOSOS

A

31

1483 EPDM 20 Sh A Rolo 25 m	1300 SBR 15 Sh A Rolo 25 m	1150 SBR 15 Sh A Rolo 25 m	1367 SBR 25 Sh A 1452 EPDM 25 Sh A Rolo 25 m	1224 SBR 15 Sh A Rolo 25 m
1032 SBR 15 Sh A Portas C10/C14 até 84 F-1000 92 Rolo 25 m	1608 EPDM 20 Sh A * Rolo 25 m	1320 EPDM 25 Sh A Rolo 25 m	1359 EPDM 20 Sh A Rolo 25 m	1173 SBR 15 Sh A 1573 EPDM 15 Sh A Rolo 25 m
1326 EPDM 20 Sh A Rolo 25 m	1039 SBR 15 Sh A 1539 EPDM 15 Sh A Porta furgão Rolo 25 m	1536 EPDM 25 Sh A Rolo 25 m		

* ITEM NOVO

LINHA 1.000 - PERFIS ESPONJOSOS

A

32

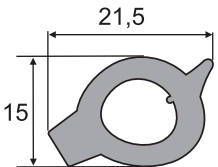
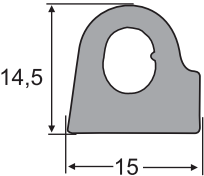
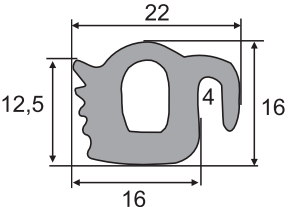
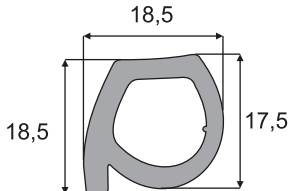
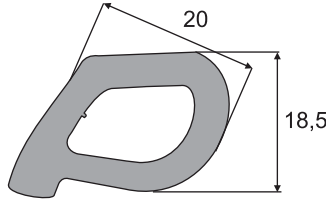
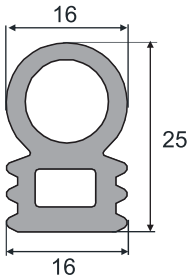
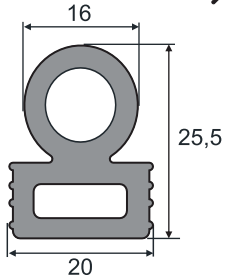
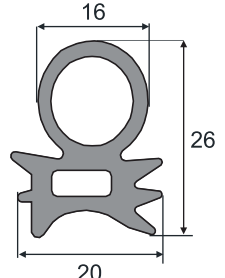
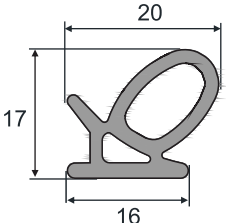
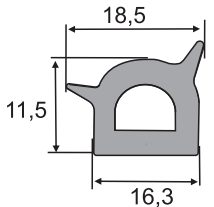
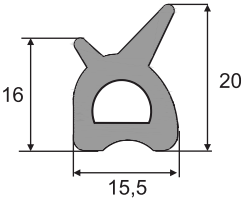
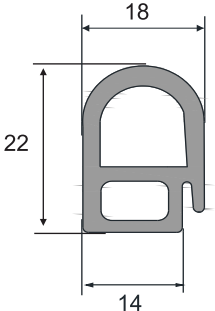
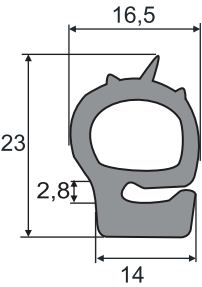
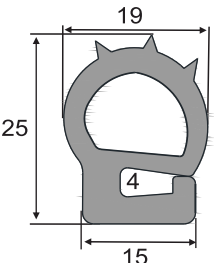
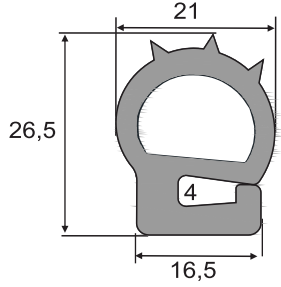
1223 SBR 15 Sh A 1513 EPDM 15 Sh A Vedação Quadro de Comando Rolo 50 m	1076 SBR 10 Sh A 1451 EPDM 10 Sh A Vedação Quadro de Comando Rolo 50 m	1682 SBR 10 Sh A * Rolo 25 m	1669 SBR 10 Sh A * Rolo 25 m	1067 SBR 10 Sh A Porta Central Kombi Rolo 25 m
1324 SBR 15 Sh A Rolo 25 m	1317 EPDM 15 Sh A Rolo 25 m	1469 EPDM 20 Sh A Rolo 25 m	1031 SBR 10 Sh A Porta Furgão Rolo 25 m	1480 EPDM 20 Sh A Rolo 25 m
1637 EPDM 20 Sh A * Rolo 25 m	1580 EPDM 10 Sh A Rolo 25 m	1079 SBR 10 Sh A Rolo 25 m	1174 SBR 10 Sh A Rolo 25 m	1255 EPDM 15 Sh A Furgão Argi Rolo 25 m

* ITEM NOVO

LINHA 1.000 - PERFIS ESPONJOSOS

A

33

1318 EPDM 15 Sh A  Rolo 25 m	1444 EPDM 10 Sh A  Rolo 25 m	1034 SBR 10 Sh A Porta Mercedes Bens  Rolo 50m	1484 EPDM 25 Sh A  Rolo 25 m	1443 EPDM 15 Sh A  Rolo 25 m
1655 EPDM 25 Sh A *  Rolo 25 m	1654 EPDM 25 Sh A *  Rolo 25 m	1656 EPDM 25 Sh A *  Rolo 25 m	1609 EPDM 25 Sh A *  Rolo 25 m	1592 EPDM 15 Sh A  Rolo 25 m
1561 EPDM 25 Sh A  Rolo 25 m	1560 EPDM 20 Sh A  Rolo 25 m	1485 EPDM 20 Sh A  Rolo 25 m	1605 EPDM 20 Sh A *  Rolo 25 m	1630 EPDM 15 Sh A *  Rolo 25 m

* ITEM NOVO

LINHA 1.000 - PERFIS ESPONJOSOS

A

34

1540 EPDM 20 Sh A Rolo 50 m	1195 EPDM 15 Sh A Vedação Bagageiro Rodoviário Comil Rolo 25 m	1638 EPDM 25 Sh A Rolo 25 m	1208 EPDM 15 Sh A Vedação Bagageiro Rodoviário Comil Rolo 25 m	1203 EPDM 15 Sh A Vedação Bagageiro Rodoviário MP Rolo 25 m
1558 EPDM 25 Sh A Rolo 25 m	1583 EPDM 20 Sh A Rolo 25 m	1194 EPDM 15 Sh A Vedação Capô Motor Comil Rolo 25 m	1177 EPDM 15 Sh A Vedação Capô Ônibus MP GV Rolo 25 m	1374 EPDM 15 Sh A Rolo 25 m
1249 EPDM 15 Sh A Rolo 25 m	1137 EPDM 10 Sh A Bagageiro Comil Rolo 25 m	1108 EPDM 15 Sh A Ved. Bagageiro Ônibus Marcopolo GV, Viaggio e Paradiso Rolo 25 m	1130 EPDM 15 Sh A Bagageiro MB 0371 MB 0400 Rolo 25 m	1282 EPDM 15 Sh A Bagageiro Ônibus MB O.370/71 Bagageiro Ônibus MB O.400 Rolo 25 m

ITEM NOVO

LINHA 1.000 - PERFIS ESPONJOSOS

A

35

1189 EPDM 15 Sh A Vedação Tampa Traseira Comil Rolo 25 m	1188 EPDM 15 Sh A Tampa Geladeira Vedação Painel Ônibus Rodoviário Comil Rolo 25 m	1169 EPDM 15 Sh A Rolo 25 m	1171 EPDM 15 Sh A Bagageiro Comil Rolo 25 m	1105 EPDM 10 Sh A Porta Viaggio MP Rolo 25 m
1107 SBR 10 Sh A Bagageiro Viaggio e Paradiso MP Rolo 25 m	1129 SBR 10 Sh A - Porta Geração IV MP Rolo 25 m	1106 SBR 10 Sh A Porta Rodoviário Elbus/Jumbus Busscar Rolo 25 m	1446 EPDM 25 Sh A Rolo 25m	1193 EPDM 20 Sh A Vedação Inferior Porta Ônibus Rodoviário Comil Rolo 25 m
1104 SBR 10 Sh A Bagageiro Ônibus - Diversos Rolo 25 m	1126 SBR 10 Sh A Rolo 25 m	1270 EPDM 20 Sh A Rolo 25 m	1382 EPDM 15 Sh A Rolo 25 m	1144 SBR 10 Sh A Bagageiro Comil Rolo 25 m

LINHA 1.000 - PERFIS ESPONJOSOS

A

36

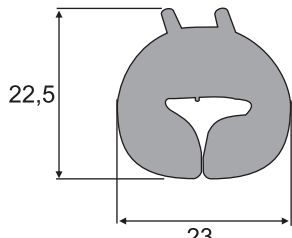
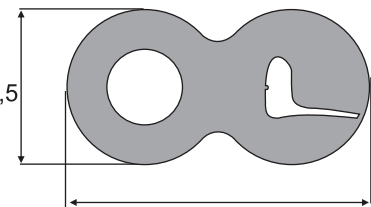
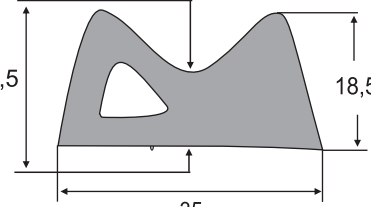
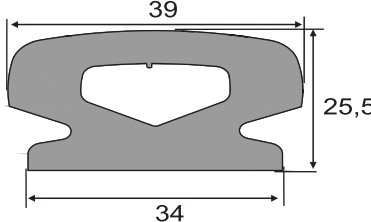
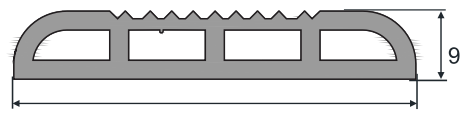
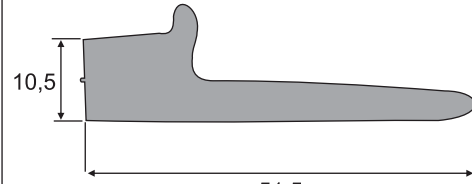
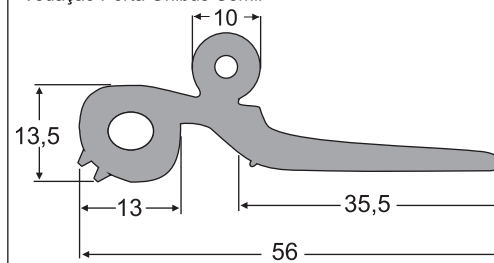
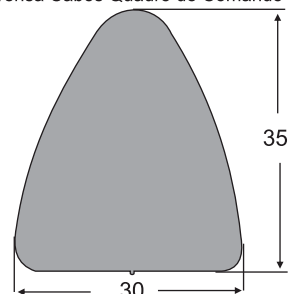
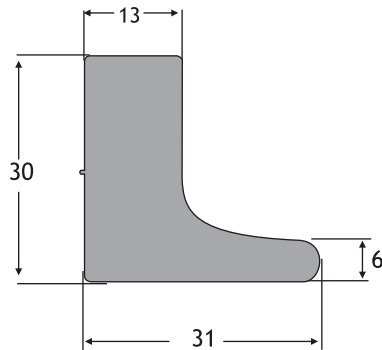
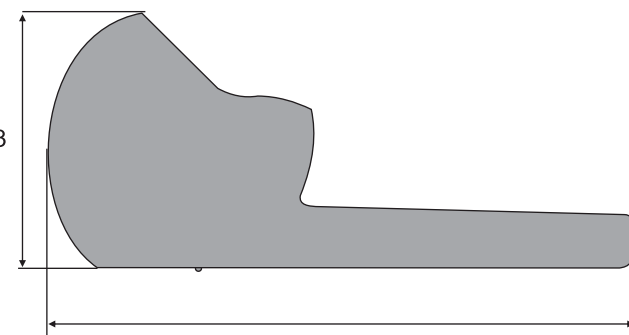
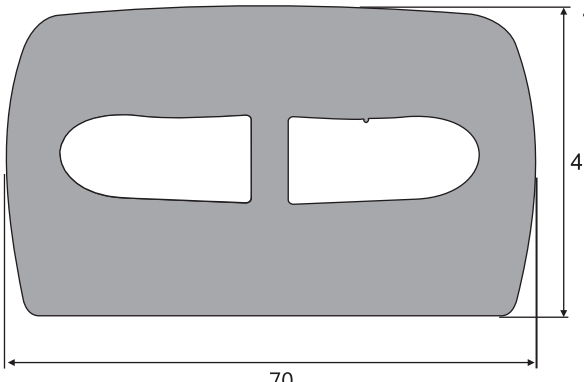
1623 EPDM 15 Sh A * Rolo 25 m	1622 EPDM 15 Sh A * Rolo 25 m	1563 EPDM 20 Sh A Rolo 25 m	1542 EPDM 15 Sh A Rolo 25 m	1246 EPDM 20 Sh A Vedação Fecho Retrátil Rolo 50 m
1299 SBR 25 Sh A Rolo 25 m	1479 EPDM 15 Sh A Rolo 25 m	1427 SBR 25 Sh A Rolo 25 m	1467 EPDM 15 Sh A Rolo 25 m	1328 EPDM 15 Sh A Rolo 25 m
1313 SBR 25 Sh A Rolo 25 m	1428 EPDM 15 Sh A Rolo 25 m	1327 EPDM 15 Sh A Rolo 25 m	1347 EPDM 15 Sh A Bagageiro Rolo 25 m	1376 EPDM 15 Sh A Rolo 25 m

* ITEM NOVO

LINHA 1.000 - PERFIS ESPONJOSOS

A

37

1297 SBR 25 Sh A  Rolo 25 m	1301 SBR 25 Sh A  Rolo 25 m	1221 EPDM 15 Sh A  Rolo 25 m	1593 EPDM 15 Sh A  Rolo 25 m
1594 EPDM 20 Sh A  Rolo 25 m	1302 EPDM 25 Sh A  Rolo 25 m	1191 EPDM 15 Sh A Vedação Porta Ônibus Comil  Rolo 25 m	1184 SBR 10 Sh A Prensa Cabos Quadro de Comando  Rolo 25 m
1250 SBR 15 Sh A Vedação Cabine Máquina Agrícola  Rolo 25 m	1369 SBR 25 Sh A Vedação Máquina Secadora de Couros  Rolo 25 m	1673 SBR 25 Sh A  Rolo 10 m	

* ITEM NOVO

LINHA 1.000 - PERFIS ESPONJOSOS

A

38

1251 EPDM 15 Sh A Rolo 25 m	1207 SBR 10 Sh A Tampa Painel Marcopolo Rolo 50 m	1234 SBR 15 Sh A Rolo 50 m	1314 SBR 15 Sh A Rolo 25 m	1559 EPDM 25 Sh A Rolo 25 m
1260 SBR 15 Sh A Rolo 25 m	1435 EPDM 25 Sh A Rolo 25 m	1323 EPDM 15 Sh A Base para cabine máquina agrícola Rolo 25 m	1432 EPDM 15 Sh A Base para cabine máquina agrícola Rolo 25 m	
1332 EPDM 15 Sh A Base para cabine máquina agrícola Rolo 25 m	1333 EPDM 15 Sh A Base para cabine máquina agrícola Rolo 25 m	1252 EPDM 15 Sh A Base para cabine máquina agrícola Rolo 25 m	1568 EPDM 10 Sh A Rolo 25 m	

CONSIDERAÇÕES IMPORTANTES

ACONDICIONAMENTO DOS CORDÕES MACIÇOS/ ESPONJOSOS.

ESPONJOSOS			MACIÇOS		
Ø mm	m / rolo	Frações / rolo	Ø mm	m / rolo	Frações / rolo
4 a 7	150	3 x 50 m	3 a 6	150	3 x 50 m
8 a 10	75	3 x 25m	7 a 9	75	3 x 25 m
11 a 14	60	3 x 20 m	10 a 14	50	2 x 25 m
15 a 25	25	Inteiro	15 a 25	25	Inteiro

TABELA DE TOLERÂNCIAS

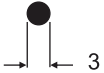
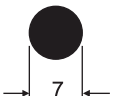
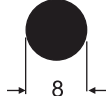
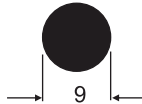
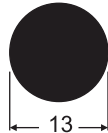
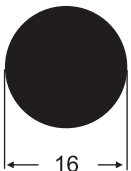
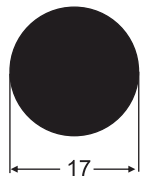
COTA mm	até 5	6 a 10	11 a 15	16 a 20	21 a 30	31 a 50	51 a 80	81 a 120	121 a 180
MACIÇA	± 0,2	± 0,3	± 0,4	± 0,5	± 0,7	± 1,0	± 1,2	± 1,4	± 1,6
ESPONJA	± 0,3	± 0,4	± 0,5	± 0,8	± 1,0	± 1,5	± 2,0	± 2,5	± 3,0

PERFIS MACIÇOS



LINHA 3.000 - CORDÕES

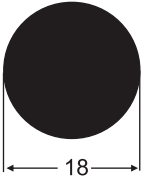
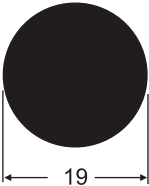
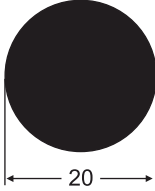
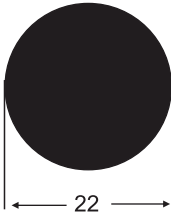
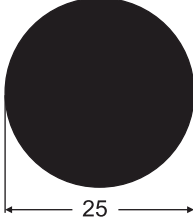
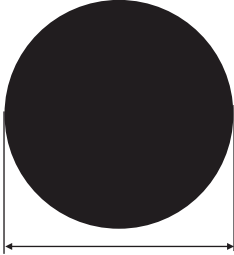
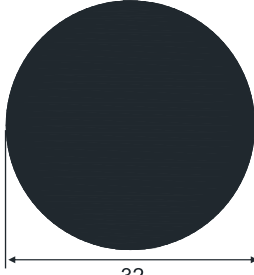
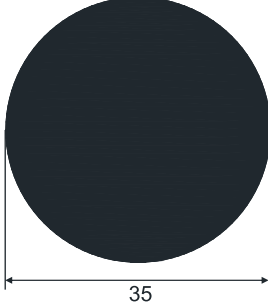
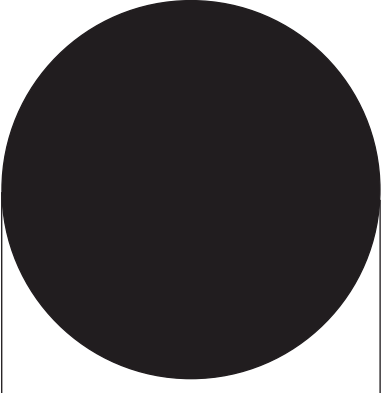
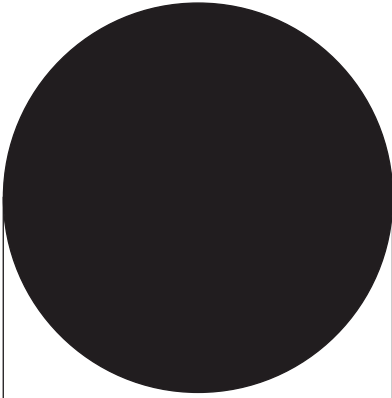
B 01

3029 NBR 70 Sh A 3158 EPDM 70 Sh A  Rolo150 m	3020 NBR 70 Sh A 3168 SBR 70 Sh A  Rolo150 m	3021 NBR 70 Sh A 3028 SBR 70 Sh A  Rolo150 m	3023 NBR 70 Sh A  Rolo150 m
3025 NBR 70 Sh A  Rolo 75 m	3019 NBR 70 Sh A 3004 SBR 70 Sh A  Rolo 75 m	3026 NBR 70 Sh A  Rolo 75 m	3027 NBR 70 Sh A  Rolo 50 m
3142 NBR 70 Sh A  Rolo 50 m	3112 NBR 70 Sh A  Rolo 50 m	3094 NBR 70 Sh A 3414 SBR 70 Sh A  Rolo 50 m	3178 NBR 70 Sh A 3393 SBR 70 Sh A  Rolo 50 m
3116 NBR 70 Sh A 3280 SBR 70 Sh A  Rolo 25 m	3179 NBR 70 Sh A 3368 SBR 70 Sh A  Rolo 25 m	3180 NBR 70 Sh A 3281 SBR 70 Sh A  Rolo 25 m	

LINHA 3.000 - CORDÕES

B

02

3181 NBR 70 Sh A 3380 SBR 70 Sh A  18 Rolo 25 m	3092 NBR 70 Sh A  19 Rolo 25 m	3182 NBR 70 Sh A 3200 SBR 70 Sh A  20 Rolo 25 m	3537 NBR 70 Sh A  22 Rolo 25 m
3099 NBR 70 Sh A 3394 SBR 70 Sh A  25 Rolo 25 m	3730 NBR 70 Sh A  30 Rolo 25 m	3635 SBR 80 Sh A  32 Rolo 25 m	3753 NBR 70 Sh A  35 Rolo 25 m
3463 EPDM 75 Sh A  50 Rolo 10 m	3500 NBR 80 Sh A  51,5 Rolo 10 m		


ITEM NOVO

LINHA 3.000 - MANGUEIRAS

B

03

3134 NBR 70 Sh A  Rolo 100 m	3066 SBR 70 Sh A 3155 NBR 65 Sh A  Rolo 100 m	3558 NBR 70 Sh A  Rolo 100 m	3133 NBR 70 Sh A  Rolo 100 m
3058 NBR 70 Sh A  Rolo 50 m	3060 NBR 70 Sh A 3372 SBR 70 Sh A  Rolo 50 m	3047 SBR 70 Sh A 3507 NBR 70 Sh A 3571 EPDM 75 Sh A  Rolo 50 m	3067 EPDM 65 Sh A  Rolo 50 m
3057 NBR 70 Sh A  Rolo 50 m	3061 NBR 70 Sh A 3219 EPDM 75 Sh A  Rolo 50 m	3059 NBR 70 Sh A  Rolo 50 m	3188 EPDM 70 Sh A  Rolo 50 m
3114 SBR 60 Sh A 3157 NBR 70 Sh A  Rolo 50 m	3175 EPDM 70 Sh A  Rolo 25 m	3062 NBR 70 Sh A  Rolo 50 m	EPDM 65 Sh A NBR 70 Sh A  Rolo 50 m

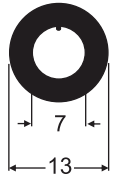
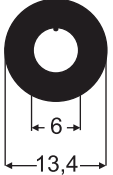


* ITEM NOVO

LINHA 3.000 - MANGUEIRAS

B

04

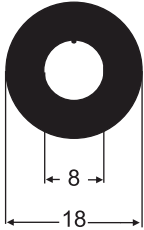
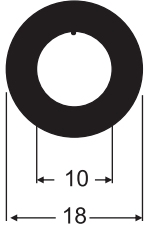
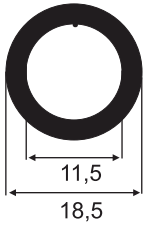
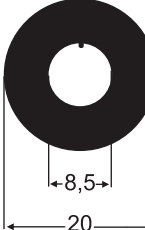
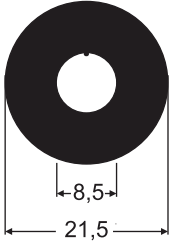
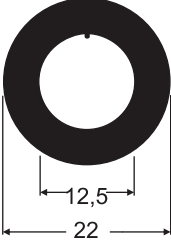
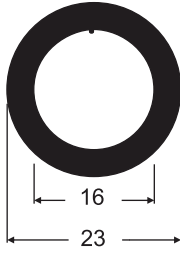
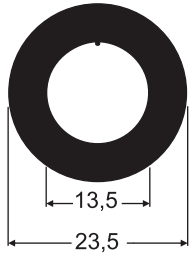
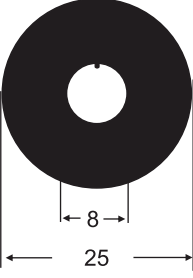
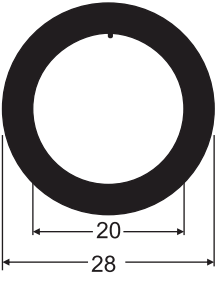
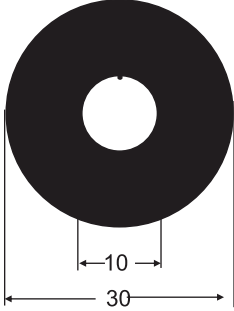
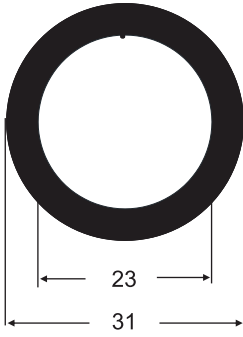
3095 SBR 60 Sh A 3489 EPDM 60 Sh A Ordenhadeira  Rolo 50 m	3625 NBR 70 Sh A  Rolo 50 m	3511 SBR 60 Sh A Ordenhadeira  Rolo 50 m	3618 NBR 75 Sh A  Rolo 25 m
3755 NBR 65 Sh A  Rolo 50 m	3110 SBR 60 Sh A 3498 EPDM 65 Sh A Ordenhadeira  Rolo 50 m	3299 EPDM 70 Sh A  Rolo 25 m	3430 EPDM 70 Sh A  Rolo 25 m
3429 SBR 60 Sh A  Rolo 25 m	3197 SBR 60 Sh A 3212 SBR 70 Sh A  Rolo 25 m	3607 NBR 70 Sh A  Rolo 25 m	3665 EPDM 75 Sh A  Rolo 25 m
3274 NBR 70 Sh A 3285 SBR 70 Sh A  Rolo 25 m	3298 EPDM 70 Sh A 3472 SBR 70 Sh A 3551 NBR 70 Sh A  Rolo 25 m	3105 EPDM 65 Sh A Mangueira Jardim  Rolo 25 m	NBR 75 Sh A EPDM 75 Sh A  Rolo 25 m

* ITEM NOVO

LINHA 3.000 - MANGUEIRAS

B

05

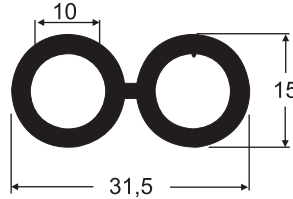
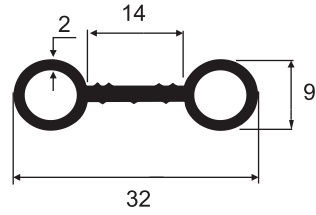
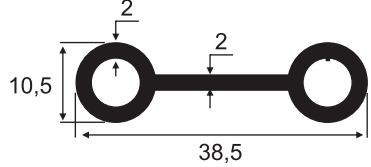
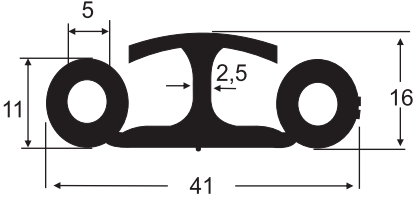
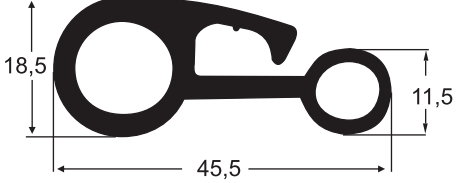
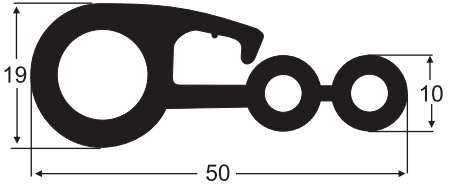
3170 SBR 60 Sh A  Rolo 25 m	3125 NBR 70 Sh A 3218 EPDM 70 Sh A  Rolo 25 m	3300 EPDM 70 Sh A  Rolo 25 m	3177 SBR 60 Sh A Ordenhadeira  Rolo 25 m
3089 SBR 60 Sh A Ordenhadeira  Rolo 25 m	3096 SBR 60 Sh A 3401 NBR 70 Sh A Ordenhadeira  Rolo 25 m	3127 EPDM 65 Sh A 3124 NBR 70 Sh A  Rolo 25 m	3108 SBR 60 Sh A Ordenhadeira  Rolo 25 m
3672 EPDM 65 Sh A  Rolo 25 m	3126 NBR 70 Sh A  Rolo 25 m	3671 EPDM 65 Sh A  Rolo 25 m	3688 NBR 70 Sh A  Rolo 25 m

*** ITEM NOVO**

LINHA 3.000 - MANGUEIRAS

B

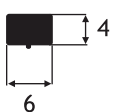
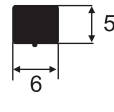
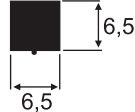
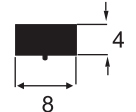
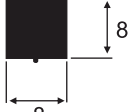
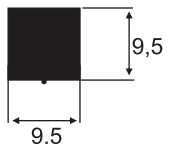
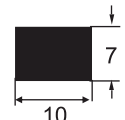
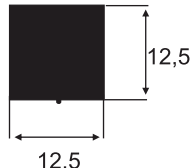
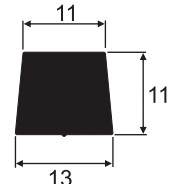
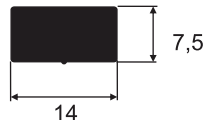
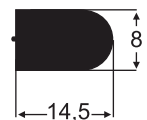
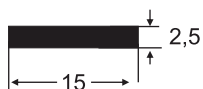
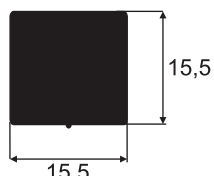
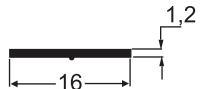
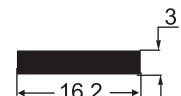
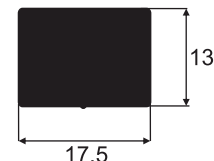
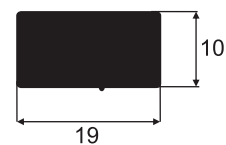
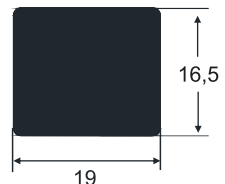
06

3109 SBR 60 Sh A 3490 EPDM 65 Sh A Ordenhadeira  Rolo 50 m	3312 SBR 60 Sh A 3333 SBR 70 Sh A  Rolo 25 m	3012 SBR 70 Sh A Base Chassi VW  Rolo 25 m	3420 SBR 70 Sh A  Rolo 25 m
3035 EPDM 60 Sh A  Rolo 75 m	3308 EPDM 75 Sh A  Rolo 24,6 m	3138 SBR 75 Sh A Retorno Resfriador  Rolo 24,6 m	3369 SBR 80 Sh A Retorno Resfriador  Rolo 25 m
3513 EPDM 80 Sh A  Rolo 25 m			

LINHA 3.000 - PERFIS ESPECIAIS

B

07

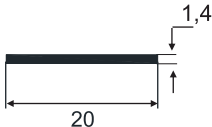
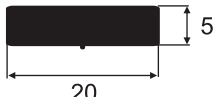
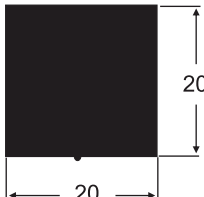
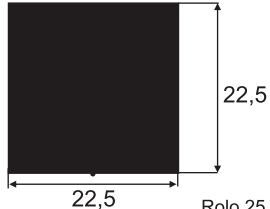
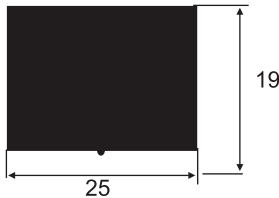
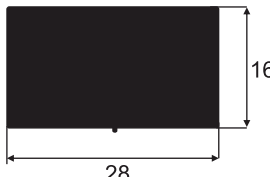
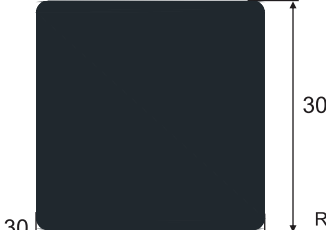
3319 NBR 70 Sh A  Rolo 100 m	3236 NBR 70 Sh A  Rolo 100 m	3013 NBR 70 Sh A  Rolo 100 m	3215 EPDM 65 Sh A  Rolo 100 m	3014 NBR 70 Sh A  Rolo 50 m
3015 NBR 70 Sh A  Rolo 50 m	3771 SBR 70 Sh A  Rolo 50 m	3016 NBR 70 Sh A  Rolo 50 m	3450 SBR 70 Sh A  Rolo 50 m	3461 SBR 70 Sh A  Rolo 50 m
3757 EPDM 70 Sh A  Rolo 50m	3017 NBR 70 Sh A  Rolo 50 m	3073 EPDM 75 Sh A  Rolo 50 m	3030 SBR 70 Sh A  Rolo 100 m	3162 SBR 70 Sh A 3165 NBR 70 Sh A  Rolo 25 m
3085 EPDM 65 Sh A  Rolo 100 m	3756 NBR 65 Sh A  Rolo 100 m	3053 SBR 70 Sh A  Rolo 25 m	3453 EPDM 65 Sh A  Rolo 25 m	3623 EPDM 65 Sh A  Rolo 25 m

* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

08

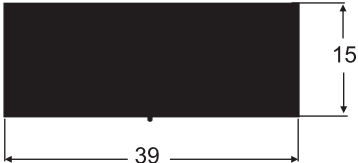
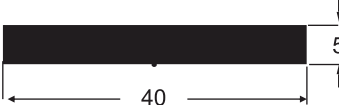
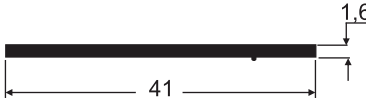
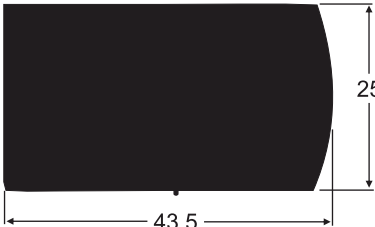
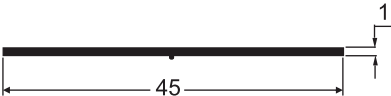
3586 EPDM 70 Sh A  Rolo 100 m	3276 EPDM 65 Sh A  Rolo 50 m	3163 SBR 70 Sh A 3166 NBR 70 Sh A  Rolo 25 m	3255 EPDM 70 Sh A  Rolo 25 m	3516 SBR 70 Sh A 3517 EPDM 70 Sh A  Rolo 25 m
3031 NBR 70 Sh A 3258 EPDM 70 Sh A  Rolo 50 m	3497 EPDM 70 Sh A  Rolo 100 m	3078 SBR 70 Sh A  Rolo 25 m	3742 EPDM 70 Sh A  Rolo 25 m	
3713 EPDM 70 Sh A  Rolo 25 m	3164 SBR 70 Sh A 3167 NBR 70 Sh A  Rolo 25 m	3576 EPDM 65 Sh A  Rolo 25 m	3254 EPDM 70 Sh A  Rolo 25 m	
3293 SBR 70 Sh A 3341 EPDM 65 Sh A 3579 NBR 70 Sh A  Rolo 50m	3743 EPDM 70 Sh A  Rolo 50m	3360 SBR 70 Sh A  Rolo 25 m	3624 EPDM 65 Sh A  Rolo 15 m	

* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

09

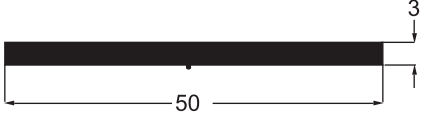
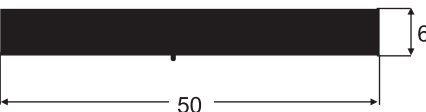
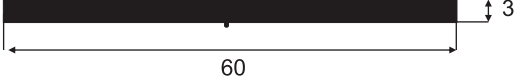
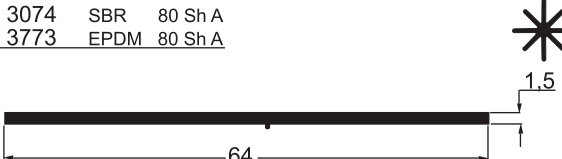
3555 EPDM 80 Sh A  Rolo 50m	3681 NBR 70 Sh A  Rolo 50 m	3745 EPDM 70 Sh A  Rolo 25 m	3736 EPDM 65 Sh A  Rolo 50 m	3032 SBR 70 Sh A 3121 EPDM 65 Sh A  Rolo 50 m
3043 EPDM 65 Sh A 3566 SBR 70 Sh A  Rolo 15 m	3044 EPDM 65 Sh A  Rolo 15 m	3294 SBR 70 Sh A 3342 EPDM 65 Sh A  Rolo 25 m	3376 NBR 70 Sh A  Rolo 25 m	
3441 SBR 70 Sh A  Rolo 15 m	3554 SBR 70 Sh A  Rolo 10 m	3082 SBR 70 Sh A 3203 EPDM 65 Sh A  Rolo 50 m	3248 SBR 80 Sh A  Rolo 15 m	
3005 EPDM 65 Sh A  Rolo 100 m	3425 EPDM 80 Sh A 3563 NBR 75 Sh A  Rolo 25 m	3042 EPDM 65 Sh A 3484 EPDM 70 Sh A  Rolo 15 m		

* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

10

3499 EPDM 70 Sh A  Rolo 100 m	3113 SBR 70 Sh A  Rolo 50 m	3002 SBR 70 Sh A 3439 EPDM 80 Sh A  Rolo 50 m
3746 SBR 70 Sh A  Rolo 25 m	3337 SBR 70 Sh A 3343 EPDM 65 Sh A  Rolo 25 m	3303 NBR 70 Sh A 3304 SBR 70 Sh A  Rolo 15 m
3338 SBR 70 Sh A 3344 EPDM 65 Sh A  Rolo 25 m	3076 EPDM 65 Sh A  Rolo 15 m	3481 SBR 70 Sh A  Rolo 25 m
3339 SBR 70 Sh A 3345 EPDM 65 Sh A  Rolo 25 m	3522 SBR 70 Sh A  Rolo 15 m	3074 SBR 80 Sh A 3773 EPDM 80 Sh A  Rolo 100 m

* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

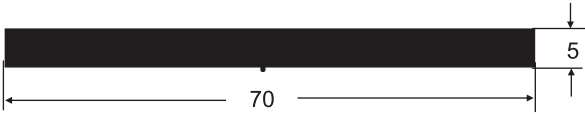
11

3077 EPDM 65 Sh A



Rolo 15 m

3747 EPDM 70 Sh A



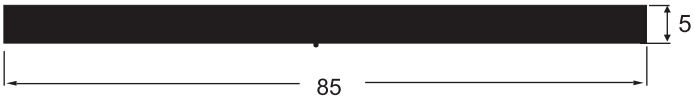
Rolo 25 m

3340 SBR 70 Sh A
3346 EPDM 65 Sh A



Rolo 25 m

3301 SBR 80 Sh A



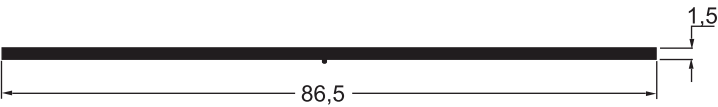
Rolo 15 m

3302 SBR 80 Sh A



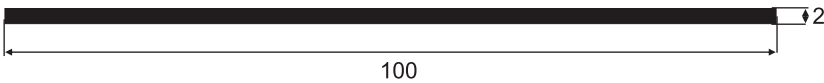
Rolo 15 m

3091 SBR 80 Sh A



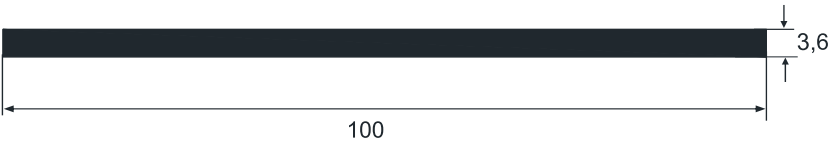
Rolo 50 m

3485 EPDM 65 Sh A



Rolo 25 m

3633 EPDM 75 Sh A



Rolo 25 m

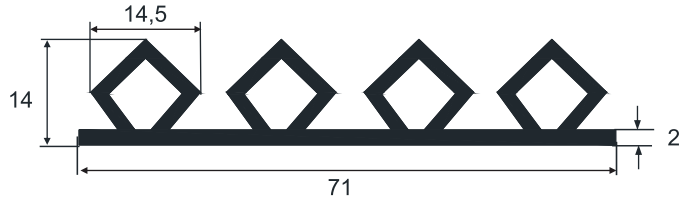
* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

12

3675 EPDM 75 Sh A



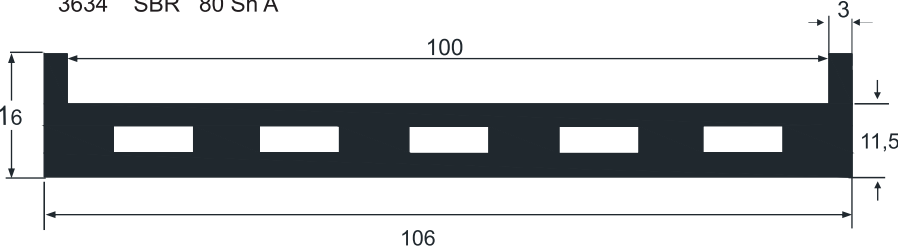
Rolo 25 m

3388 SBR 70 Sh A



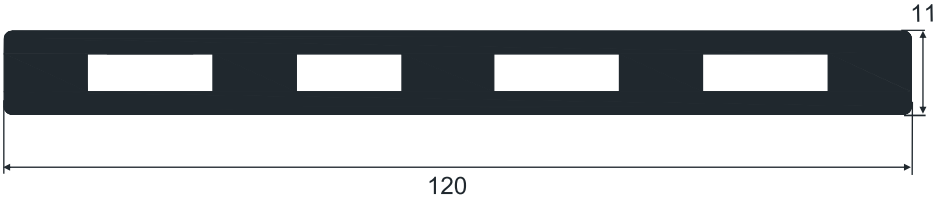
Rolo 15 m

3634 SBR 80 Sh A



Rolo 15 m

3621 SBR 70 Sh A



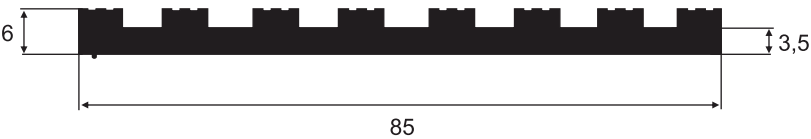
Rolo 15 m

3712 EPDM 75 Sh A



Rolo 25 m

3222 SBR 60 Sh A



Rolo 25 m

3006 SBR 70 Sh A



Rolo 25 m

LINHA 3.000 - CINTAS

B

13

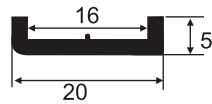
3418 SBR 70 Sh A Rolo 50 m	3169 EPDM 65 Sh A 3266 NBR 70 Sh A Rolo 25 m	3639 SBR 70 Sh A Rolo 25 m	3034 SBR 70 Sh A 3267 NBR 70 Sh A Rolo 25 m
3458 EPDM 70 Sh A Rolo 25m	3459 NBR 70 Sh A Rolo 25m	3638 SBR 70 Sh A Rolo 25m	3289 EPDM 70 Sh A 3593 NBR 70 Sh A Rolo 25 m
3257 NBR 70 Sh A Rolo 25 m	3256 NBR 70 Sh A Rolo 25 m	3282 NBR 70 Sh A Rolo 25 m	
3286 NBR 70 Sh A Rolo 25 m		3415 NBR 70 Sh A 3501 SBR 70 Sh A Rolo 25 m	

LINHA 3.000 - CINTAS

B

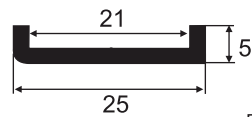
14

3246 SBR 70 Sh A



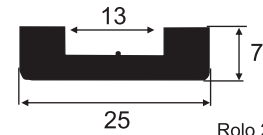
Rolo 50 m

3245 SBR 70 Sh A



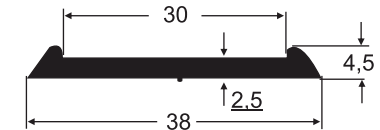
Rolo 50 m

3377 SBR 80 Sh A



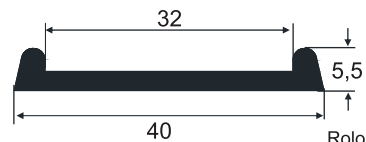
Rolo 25 m

3033 SBR 60 Sh A



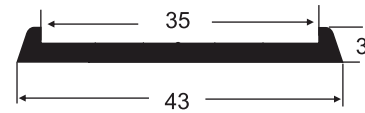
Rolo 50 m

3606 EPDM 65 Sh A



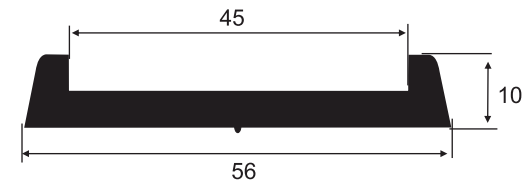
Rolo 50 m

3316 EPDM 70 Sh A



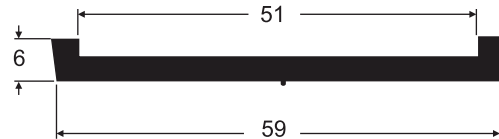
Rolo 50 m

3419 EPDM 75 Sh A



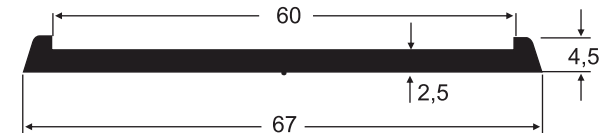
Rolo 25 m

3051 SBR 70 Sh A
3268 NBR 70 Sh A



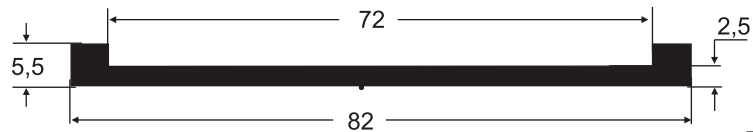
Rolo 30 m

3122 EPDM 65 Sh A
3269 NBR 70 Sh A



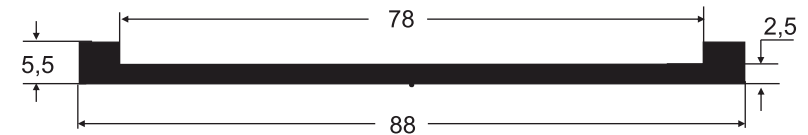
Rolo 50 m

3083 EPDM 75 Sh A
3270 NBR 70 Sh A



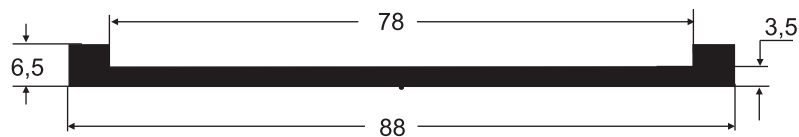
Rolo 25 m

3111 EPDM 75 Sh A



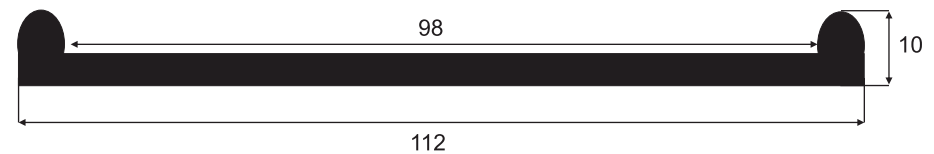
Rolo 25 m

3272 NBR 70 Sh A



Rolo 25 m

3482 NBR 70 Sh A



Rolo 25 m

LINHA 3.000 - CINTAS

B

15

3056 SBR 70 Sh A Rolo 50 m	3520 EPDM 65 Sh A Rolo 50 m	3392 EPDM 80 Sh A Degraus de escada para lanchas Rolo 25 m	3291 EPDM 65 Sh A 3405 EPDM 80 Sh A Rolo 25 m
3680 EPDM 70 Sh A Cinta Tanque * Rolo 25 m	3417 SBR 7001 Sh A Cinta Tanque Rolo 25 m	3264 SBR 60 Sh A Tanque Gás Automotivo Rolo 25 m	3216 NBR 70 Sh A Cinta Tanque Rolo 25 m
3192 EPDM 65 Sh A Cinta Tanque Rolo 25 m	3186 SBR 70 Sh A Tanque Gás Automotivo Rolo 25 m	3156 SBR 70 Sh A 3176 EPDM 65 Sh A 3271 NBR 70 Sh A Rolo 25 m	
3468 NBR 70 Sh A 3502 SBR 70 Sh A Rolo 25m		3689 SBR 70 Sh A Cinta Tanque * Rolo 25m	

* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

16

3358 SBR 60 Sh A Rolo 100 m	3761 SBR 70 Sh A Rolo 50 m	3039 EPDM 65 Sh A Perfil para Rodo Rolo 100 m	3040 SBR 80 Sh A Perfil para Rodo Rolo 50 m	3120 SBR 70 Sh A Perfil para Rodo Rolo 50 m
3144 SBR 70 Sh A Perfil de Acabamento Rolo 50 m	3196 SBR 80 Sh A Perfil para Rodo Rolo 100 m	3007 SBR 70 Sh A Rolo 50 m	3421 SBR 70 Sh A Rolo 50 m	3732 NBR 70 Sh A Rolo 25m
3213 EPDM 80 Sh A Rolo 100 m	3622 SBR 80 Sh A Rolo 100 m	3201 SBR 70 Sh A Rolo 50 m	3532 EPDM 70 Sh A Rolo 50 m	3738 EPDM 70 Sh A Rolo 50 m
3582 EPDM 70 Sh A Rolo 25m	3370 SBR 80 Sh A Rolo 50 m	3367 SBR 80 Sh A Rolo 50 m	3387 SBR 70 Sh A Rolo 50 m	3645 SBR 70 Sh A Rolo 25m

* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

17

3068 SBR 70 Sh A Rolo 100 m	3193 EPDM 75 Sh A Rolo 100 m	3087 SBR 70 Sh A Rolo 50 m	3322 EPDM 65 Sh A Rolo 50 m	3240 SBR 80 Sh A Friso Lateral Ônibus Rolo 50 m
3632 EPDM 70 Sh A Rolo 50 m	3434 NBR 70 Sh A Rolo 50 m	3242 SBR 70 Sh A Friso Lateral Ônibus Rolo 50 m	3335 SBR 70 Sh A Rolo 50 m	3699 EPDM 70 Sh A * Rolo 50 m
3361 EPDM 70 Sh A Rolo 25 m	3351 EPDM 70 Sh A Rolo 25 m	3443 EPDM 70 Sh A Rolo 50 m	3185 SBR 70 Sh A Rolo 25 m	3001 SBR 70 Sh A Rolo 25 m
3247 SBR 60 Sh A Rolo 50 m	3199 SBR 70 Sh A Batente Lateral Barco Rolo 25 m	3228 EPDM 75 Sh A Batente Lateral Balcao Frigorífico Rolo 25 m	3780 EPDM 75 Sh A * Rolo 25 m	

* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

18

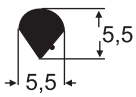
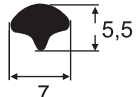
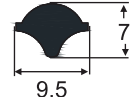
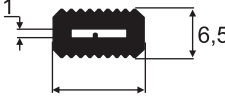
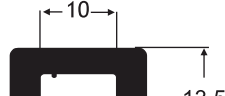
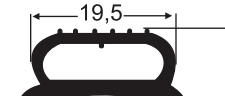
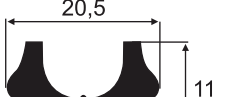
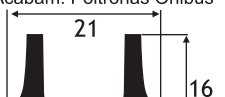
3423 EPDM 75 Sh A Calha de Água Rolo 100 m	3454 EPDM 70 Sh A Rolo 100 m	3350 SBR 70 Sh A Rolo 50 m	3244 SBR 80 Sh A Rolo 50 m	3399 SBR 80 Sh A Rolo 100 m
3506 EPDM 80 Sh A Vedação externa capacetes Rolo 100 m	3187 EPDM 65 Sh A Rolo 50 m	3678 EPDM 75 Sh A Rolo 100 m	3684 EPDM 60 Sh A Rolo 100 m	3575 NBR 85 Sh A Rolo 50 m
3143 SBR 80 Sh A Rolo 50 m	3397 EPDM 75 Sh A Rolo 50 m	3760 EPDM 70 Sh A * Rolo 50 m	3691 EPDM 75 Sh A * Rolo 50 m	3744 EPDM 70 Sh A * Rolo 50 m
3728 EPDM 70 Sh A * Rolo 50 m	3729 EPDM 70 Sh A * Rolo 50 m	3081 SBR 70 Sh A Rolo 25 m	3556 EPDM 75 Sh A Rolo 25 m	3557 EPDM 80 Sh A Rolo 25 m

* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

19

3103 SBR 70 Sh A Cunha  Rolo 100 m	3102 SBR 70 Sh A 3314 NBR 70 Sh A 3460 EPDM 70 Sh A  Rolo 100 m	3101 SBR 70 Sh A 3426 EPDM 70 Sh A 3427 NBR 70 Sh A Cunha  Rolo 50 m	3706 EPDM 75 Sh A Cunha  Rolo 50 m	3119 SBR 70 Sh A Cunha  Rolo 50 m
3075 SBR 70 Sh A  Rolo 100 m	3315 SBR 70 Sh A  Rolo 50 m	3086 SBR 70 Sh A  Rolo 25 m	3698 EPDM 75 Sh A  Rolo 25 m	3008 EPDM 75 Sh A  Rolo 25 m
3253 SBR 70 Sh A Vedação Balcão Frigorífico  Rolo 50 m	3239 SBR 80 Sh A Friso Acabam. Poltronas Ônibus  Rolo 25 m	3234 SBR 80 Sh A Friso Acabam. Poltronas Ônibus  Rolo 25 m	3009 SBR 70 Sh A  Rolo 25 m	3734 EPDM 70 Sh A  Rolo 25 m
3424 EPDM 75 Sh A  Rolo 25 m	3553 EPDM 75 Sh A  Rolo 25 m			

* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

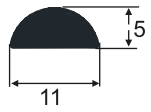
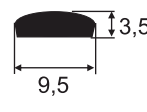
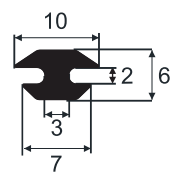
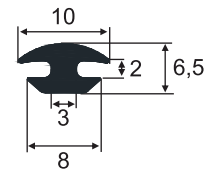
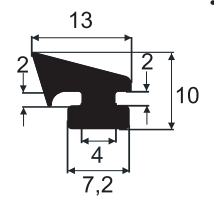
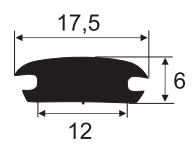
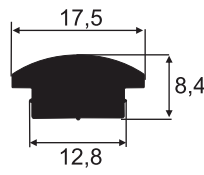
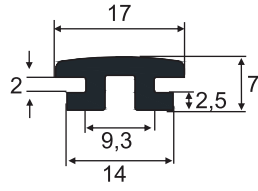
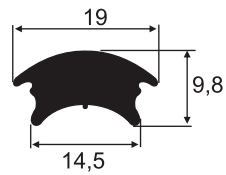
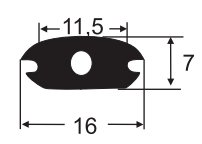
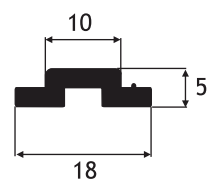
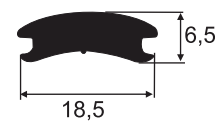
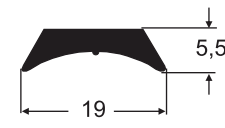
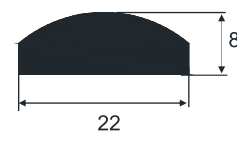
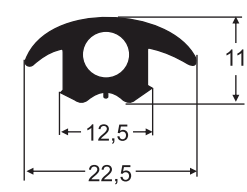
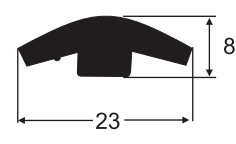
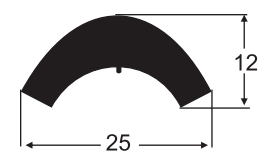
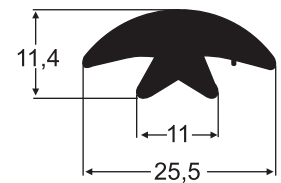
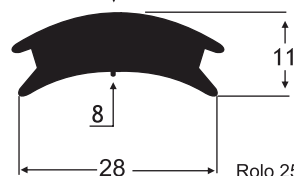
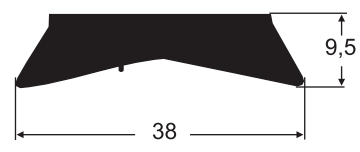
20

3090 EPDM 65 Sh A Rolo 100 m	3589 EPDM 65 Sh A Rolo 100 m	3311 EPDM 75 Sh A Protetor Tapapó Ônibus Articulado Rolo 50 m	3640 EPDM 80 Sh A Rolo 50 m	3433 EPDM 75 Sh A Rolo 50 m
3467 EPDM 75 Sh A Rolo 25m	3469 EPDM 70 Sh A Rolo 25m	3447 SBR 70 Sh A Rolo 25 m	3063 SBR 70 Sh A Rolo 25 m	
3265 SBR 80 Sh A Rolo 25 m	3479 EPDM 75 Sh A Rolo 25 m	3431 EPDM 70 Sh A Rolo 25 m		

LINHA 3.000 - PERFIS ESPECIAIS

B

21

3598 EPDM 80 Sh A  Rolo 100 m	3514 EPDM 65 Sh A  Rolo 100m	3733 EPDM 70 Sh A  Rolo 100m	3677 EPDM 70 Sh A  Rolo 100m	3762 NBR 80 Sh A  Rolo 50 m
3561 EPDM 75 Sh A  Rolo 50 m	3435 EPDM 75 Sh A  Rolo 50 m	3687 EPDM 80 Sh A  Rolo 50 m	3238 SBR 80 Sh A Batente Lateral Ônibus  Rolo 50 m	3552 EPDM 75 Sh  Rolo 50 m
3237 SBR 80 Sh A  Rolo 50 m	3448 EPDM 75 Sh A  Rolo 50m	3070 SBR 70 Sh A Friso Lateral Ônibus  Rolo 50 m	3609 SBR 70 Sh A  Rolo 100 m	3072 SBR 80 Sh A  Rolo 50 m
3371 SBR 70 Sh A  Rolo 50 m	3161 SBR 80 Sh A Batente Lateral Barcos  Rolo 25 m	3206 SBR 80 Sh A  Rolo 25 m	3202 SBR 80 Sh A Batente Lateral Ônibus  Rolo 25 m	3069 SBR 70 Sh A Friso Lateral Ônibus  Rolo 25 m

* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

22

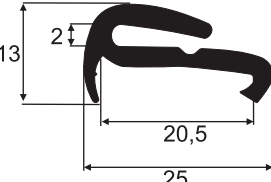
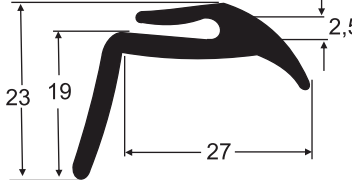
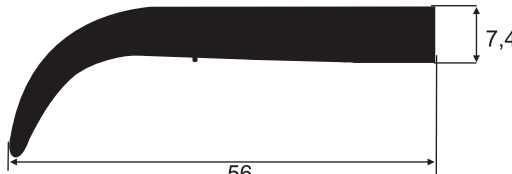
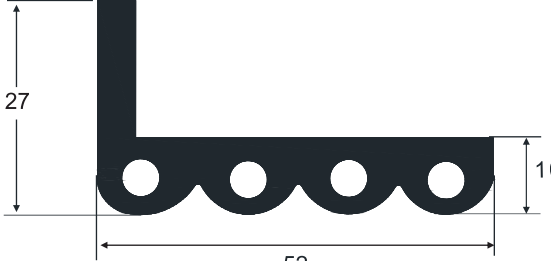
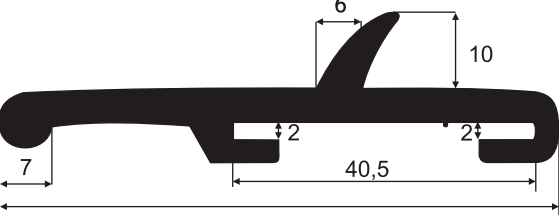
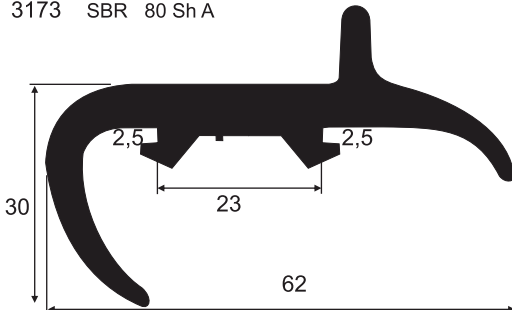
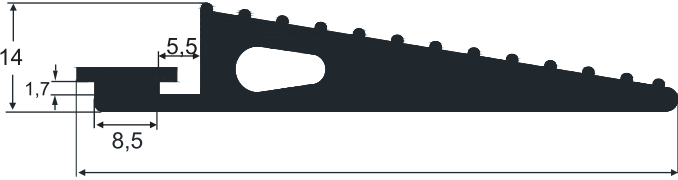
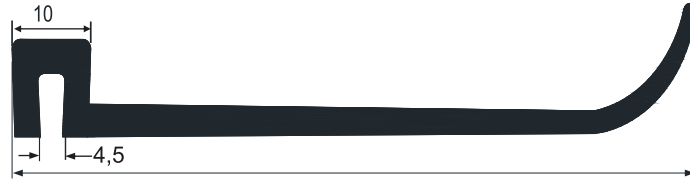
3630 SBR 80 Sh A Rolo 25 m	3631 SBR 80 Sh A Rolo 25 m	3544 EPDM 65 Sh A Rolo 25 m	3705 EPDM 75 Sh A 3726 EPDM 70 Sh A Rolo 25 m	3442 EPDM 75 Sh A Rolo 25 m
3704 EPDM 75 Sh A Rolo 25 m	3594 EPDM 80 Sh A Rolo 25 m	3613 EPDM 80 Sh A Rolo 50 m	3384 SBR 70 Sh A Rolo 50 m	3512 SBR 85 Sh A 3518 EPDM 80 Sh A Rolo 25 m
3071 SBR 80 Sh A Friso Lateral Ônibus Rolo 25 m	3231 SBR 70 Sh A Batente Lateral Ônibus Rolo 25 m	3226 EPDM 80 Sh A Rolo 25 m		

* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

23

3261 SBR 80 Sh A  Rolo 50 m	3462 EPDM 75 Sh A  Rolo 25 m	3620 EPDM 75 Sh A  Rolo 50 m	3052 SBR 80 Sh A  Rolo 25 m	3084 SBR 70 Sh A Vedação Portas Ônibus  Rolo 25 m
3224 EPDM 70 Sh A 3411 SBR 70 Sh A Vedação Portabras  Rolo 25 m	3172 EPDM 75 Sh A  Rolo 25 m	3628 EPDM 65 Sh A  Rolo 25 m		
3220 EPDM 80 Sh A Pára-Lama Off Road  Rolo 25 m	3173 SBR 80 Sh A  Rolo 25 m	3601 EPDM 75 Sh A  Rolo 25 m		
3617 EPDM 80Sh A  Rolo 25 m	3581 EPDM 75 Sh A  Rolo 25 m			

LINHA 3.000 - PERFIS ESPECIAIS

B

24

3195 EPDM 65 Sh A Rolo 25 m	3064 SBR 70 Sh A Rolo 50 m	3685 EPDM 70 Sh A Rolo 25 m	3036 SBR 70 Sh A 3225 EPDM 70 Sh A Rolo 25 m	3707 EPDM 75 Sh A Rolo 25 m
3759 EPDM 75 Sh A Rolo 25 m	3722 EPDM 75 Sh A Rolo 25 m	3754 EPDM 70 Sh A Rolo 25 m	3132 SBR 70 Sh A Rolo 25 m	3249 EPDM 70 Sh A Rolo 25 m
3655 EPDM 70 Sh A Rolo 25 m	3214 SBR 80 Sh A Rolo 25 m	3190 SBR 70 Sh A Vedação Porta Furgão Rolo 25 m	3183 SBR 80 Sh A 3416 EPDM 80 Sh A Vedação Porta Furgão Rolo 25 m	

* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

25

3676 EPDM 70 Sh A Rolo 50 m	3627 NBR 80 Sh A Rolo 50 m	3573 EPDM 65 Sh A Rolo 25 m	3737 EPDM 60 Sh A Rolo 50 m	3510 EPDM 70 Sh A 3658 EPDM 60 Sh A Rolo 50 m
3251 SBR 70 Sh A Vedação Balcao Frigorifico Rolo 25 m	3686 EPDM 70 Sh A Rolo 25 m	3221 EPDM 80 Sh A Rolo 25 m	3776 EPDM 70 Sh A Rolo 25 m	3198 SBR 80 Sh A Perfil Rodo Rolo 25 m
3428 EPDM 70 Sh A Rolo 50 m	3570 EPDM 80 Sh A Rolo 50 m	3562 EPDM 75 Sh A Rolo 50 m	3408 EPDM 65 Sh A Rolo 25 m	3273 SBR 80 Sh A Rolo 25 m

* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

26

3080 SBR 70 Sh A Rolo 50 m	3149 SBR 70 Sh A Rolo 25 m	3154 SBR 70 Sh A Rolo 25 m	3191 EPDM 65 Sh A Vedação Portas de Baú Portabráis Rolo 25 m	3464 EPDM 75 Sh A Rolo 25 m
3446 EPDM 70 Sh A Rolo 25 m	3235 SBR 80 Sh A Vedação Vidros Ônibus Rolo 25 m	3145 EPDM 75 Sh A Rolo 50 m	3354 SBR 80 Sh A Rolo 25 m	3480 EPDM 70 Sh A Vedação câmara fria Estacionária Rolo 25 m
3359 EPDM 65 Sh A Rolo 15m		3619 EPDM 65 Sh A Rolo 25 m		

LINHA 3.000 - PERFIS ESPECIAIS

B

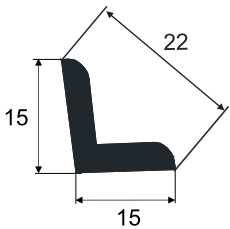
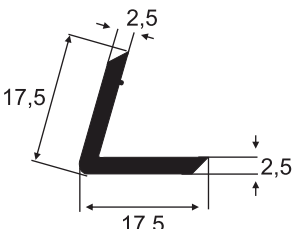
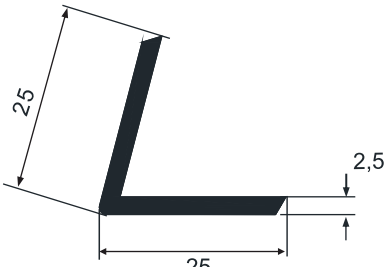
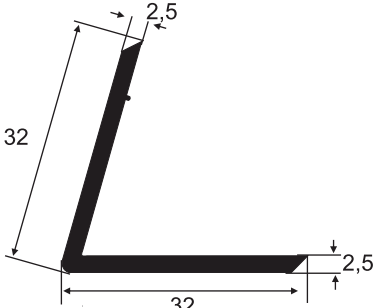
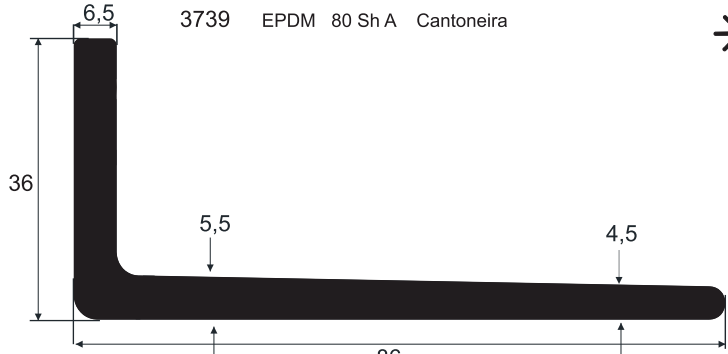
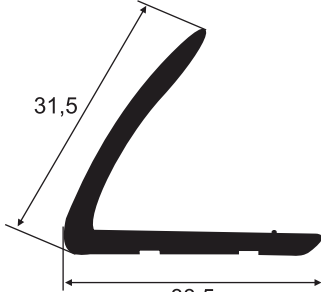
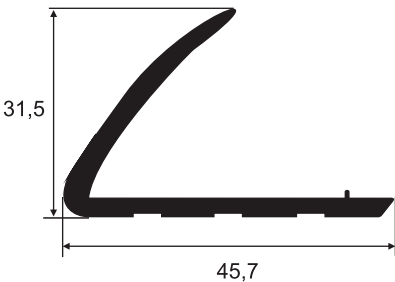
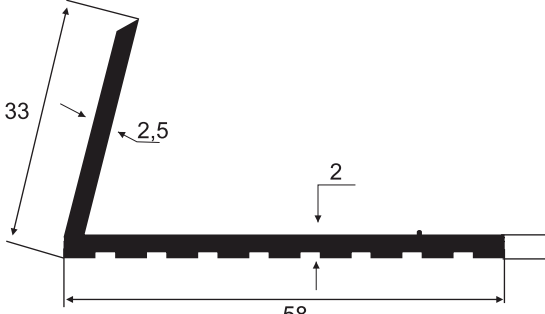
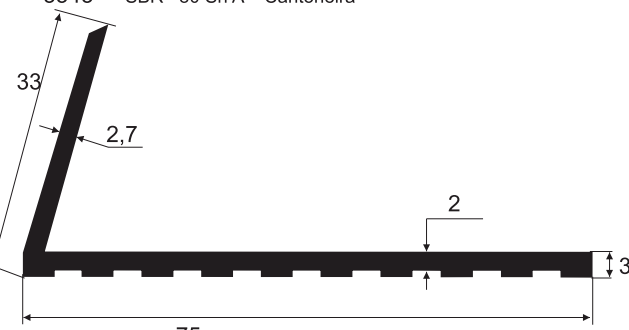
27

3404 EPDM 70 Sh A 39,5 32 Rolo 25 m	3456 EPDM 70 Sh A 36 55 Rolo 25 m	3470 EPDM 70 Sh A 33 20,5 Rolo 25 m	3400 NBR 70 Sh A 30 22 Rolo 25 m
3287 EPDM 65 Sh A Vedação Fulão 19 24 30 Rolo 25 m	3540 NBR 70 Sh A Vedação Fulão 19,5 25 31,5 Rolo 25 m	3117 EPDM 65 Sh A Vedação Fulão 22 11 40 Rolo 25 m	3290 EPDM 65 Sh A Vedação Fulão 24 39 Rolo 25 m
3385 EPDM 75 Sh A 30 28 26,5 Rolo 25 m	3386 EPDM 75 Sh A 30 28 25 Rolo 25 m	3478 EPDM 75 Sh A 32 29,5 8,5 8,5 25 Rolo 25 m	3495 EPDM 65 Sh A 20 24 8 42,5 Rolo 25 m

LINHA 3.000 - PERFIS ESPECIAIS

B

28

3608 EPDM 70 Sh A  Rolo 50 m	3209 SBR 80 Sh A Cantoneira  Rolo 50 m	3604 SBR 85 Sh A Cantoneira  Rolo 25 m
3210 SBR 80 Sh A Cantoneira  Rolo 25 m	3739 EPDM 80 Sh A Cantoneira  Rolo 25 m	3227 SBR 80 Sh A Cantoneira  Rolo 25 m
3229 SBR 80 Sh A Cantoneira  Rolo 25 m	3211 SBR 80 Sh A Cantoneira  Rolo 25 m	3543 SBR 80 Sh A Cantoneira  Rolo 25 m

* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

29

3332 EPDM 65 Sh A 9,5 17,5 Rolo 50 m	3567 EPDM 70 Sh A 6 10 18 4 Rolo 50 m	3568 EPDM 70 Sh A 4 9 26 30 5 Rolo 50 m	3660 SBR 80 Sh A 17 33,5 3 Rolo 25 m	3587 EPDM 80 Sh A 6 13 5 22 8 Rolo 25 m
3649 NBR 75 Sh A 6 16 15 21 6 Rolo 25 m	3648 NBR 75 Sh A 8 18 15 23 8 Rolo 25 m	3647 NBR 75 Sh A 10 20 15 25 10 Rolo 25 m	3654 NBR 70 Sh A 15 28 65 20 Rolo 22 m	
3725 SBR 60 Sh A 30,5 50 Rolo 25 m	3720 SBR 70 Sh A 8 20 52 Rolo 25 m	3709 EPDM 70 Sh A 45 49 102 Rolo 10 m		

* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

30

3657 NBR 80 Sh A Ved. Formas Pré- Moldados Rolo 50 m	3741 NBR 70 Sh A Ved. Formas Pré- Moldados Rolo 50 m	3690 NBR 80 Sh A Ved. Formas Pré- Moldados Rolo 50 m	3381 NBR 70 Sh A Ved. Formas Pré- Moldados Rolo 50 m	3668 NBR 80 Sh A Ved. Formas Pré- Moldados Rolo 25 m
3614 NBR 80 Sh A Ved. Formas Pré- Moldados Rolo 50 m	3629 NBR 75 Sh A Ved. Formas Pré- Moldados Rolo 50 m	3407 NBR 80 Sh A Ved. Formas Pré- Moldados Rolo 50 m	3378 NBR 70 Sh A Ved. Formas Pré- Moldados Rolo 50 m	3283 NBR 70 Sh A Ved. Formas Pré- Moldados Rolo 50 m
3662 NBR 80 Sh A Ved. Formas Pré- Moldados Rolo 50 m	3527 NBR 75 Sh A Ved. Formas Pré- Moldados Rolo 50 m	3646 NBR 80 Sh A Ved. Formas Pré- Moldados Rolo 50 m	3260 SBR 80 Sh A Ved. Formas Pré- Moldados Rolo 50 m	3534 NBR 80 Sh A Ved. Formas Pré- Moldados Rolo 50 m

* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

31

3664 NBR 80 Sh A Ved. Formas Pré- Moldados Rolo 100 m	3603. NBR 75 Sh A Ved. Formas Pré- Moldados Rolo 25 m	3740. NBR 70 Sh A Ved. Formas Pré- Moldados Rolo 50 m	3588 NBR 80 Sh A Ved. Formas Pré- Moldados Rolo 25 m
3602 NBR 75 Sh A Ved. Formas Pré- Moldados Rolo 25 m	3591 SBR 80 Sh A 3711 NBR 80 Sh A Ved. Formas Pré- Moldados Rolo 25 m	3494 NBR 80 Sh A Ved. Formas Pré- Moldados Rolo 25 m	3474 NBR 75 Sh A Ved. Formas Pré- Moldados Rolo 25 m
3455 NBR 80 Sh A Ved. Formas Pré- Moldados Rolo 25 m	3585 NBR 80 Sh A Ved. Formas Pré- Moldados Rolo 25 m	3373 NBR 70 Sh A Ved. Formas Pré- Moldados Rolo 25 m	

* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

32

3597 NBR 80 Sh A Ved. Formas Pré- Moldados Rolo 25 m	3410 NBR 80 Sh A Ved. Formas Pré- Moldados Rolo 25 m	3493 NBR 80 Sh A Ved. Formas Pré- Moldados Rolo 25 m	3406 SBR 80 Sh A Vedação formas 3546 NBR 75 Sh A Pré - Moldados Rolo 25 m
3449 NBR 80 Sh A 3659 NBR 65 Sh A Ved. Formas Pré- Moldados Rolo 25 m	3697 NBR 80 Sh A Ved. Formas Pré- Moldados Rolo 25 m	3492 NBR 80 Sh A Ved. Formas Pré- Moldados Rolo 25 m	3605 NBR 80 Sh A Ved. Formas Pré- Moldados Rolo 25 m
3488 NBR 80 Sh A Ved. Formas Pré- Moldados Rolo 25 m	3701 NBR 75 Sh A Ved. Formas Pré- Moldados Rolo 25 m	3548 NBR 80 Sh A Ved. Formas Pré- Moldados Rolo 25 m	

* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

33

3653 NBR 65 Sh A Ved. Formas Pré- Moldados Rolo 25 m	3398 NBR 55 Sh A Vedação Forma Pré-Moldados Rolo 25 m	3491 NBR 80 Sh A Ved. Formas Pré- Moldados Rolo 25 m	3437 NBR 55 Sh A Ved. Formas Pré- Moldados Rolo 25 m
3599 NBR 75 Sh A Ved. Formas Pré- Moldados Rolo 25 m	3529 NBR 75 Sh A Ved. Formas Pré- Moldados Rolo 25 m	3526 NBR 75 Sh A Ved. Formas Pré- Moldados Rolo 25 m	3714 NBR 70 Sh A Ved. Formas Pré- Moldados Rolo 25 m
3641 NBR 80 Sh A Ved. Formas Pré- Moldados Rolo 25 m	3643 NBR 80 Sh A Ved. Formas Pré- Moldados Rolo 25 m	3749 NBR 65 Sh A Ved. Formas Pré- Moldados Rolo 25 m	3642 NBR 80 Sh A Ved. Formas Pré- Moldados Rolo 25 m

* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

34

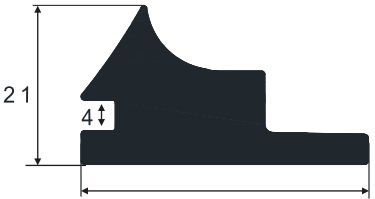
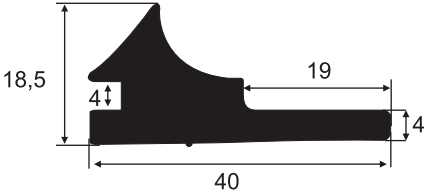
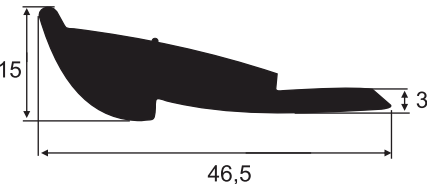
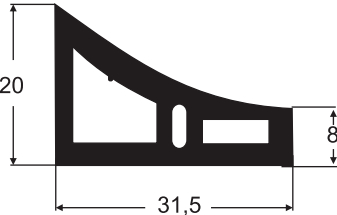
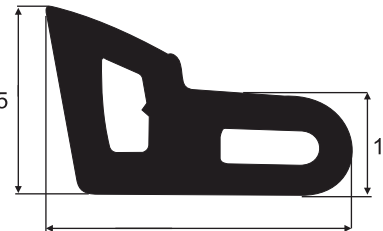
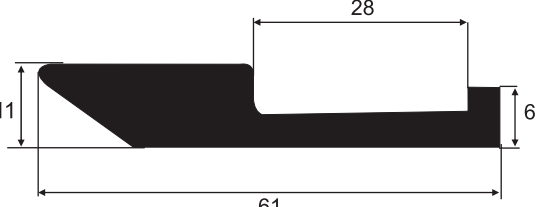
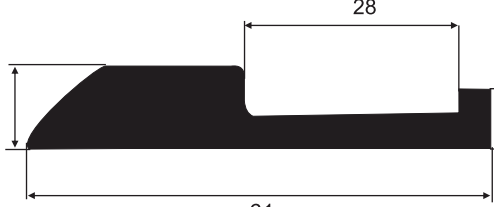
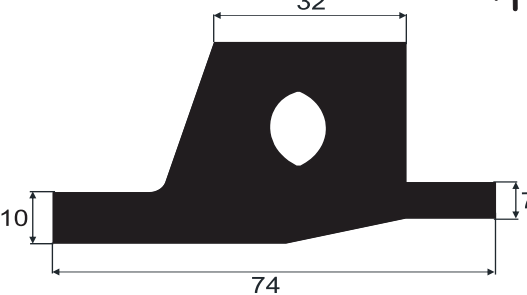
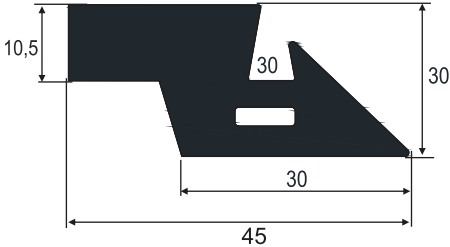
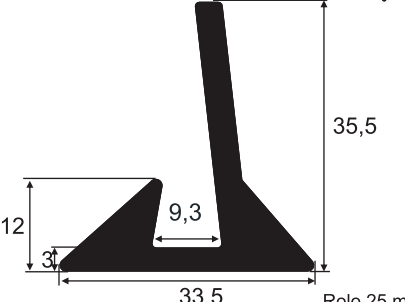
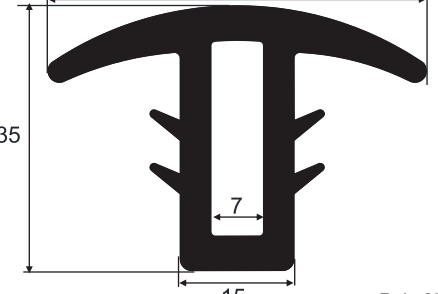
3590 SBR 80 Sh A 3710 NBR 80 Sh A Ved. Forma Pré Moldado Rolo 50 m	3528 NBR 75 Sh A Ved. Formas Pré- Moldados Rolo 25 m	3580 NBR 75 Sh A 3748 NBR 80 Sh A Ved. Forma Pré Moldado Rolo 50 m	3375 NBR 65 Sh A 3496 NBR 70 Sh A Ved. Forma Pré Moldado Rolo 50 m	3508 NBR 70 Sh A Ved. Formas Pré- Moldados Rolo 25 m
3473 NBR 70 Sh A Ved. Formas Pré- Moldados Rolo 25 m	3700 NBR 70 Sh A Ved. Formas Pré- Moldados Rolo 25 m	3440 NBR 65 Sh A 3583 NBR 70 Sh A Ved. Formas Pré- Moldados Rolo 50 m	3727 NBR 70 Sh A Ved. Formas Pré- Moldados Rolo 25 m	
3542 NBR 65 Sh A Ved. Formas Pré- Moldados Rolo 25 m	3560 NBR 65 Sh A Rolo 25 m	3003 EPDM 65 Sh A Vedação Pára-Lama Agco Rolo 25 m	3550 NBR 65 Sh A Rolo 25 m	

✱ ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

35

3651 NBR 70 Sh A Ved. Formas Pré- Moldados  Rolo 25 m	3374 NBR 70 Sh A Ved. Formas Pré- Moldados  Rolo 25 m	3362 NBR 70 Sh A Ved. Formas Pré- Moldados  Rolo 25 m	3118 SBR 70 Sh A Ved. Formas Pré- Moldados  Rolo 25 m
3719 EPDM 65 Sh A *  Rolo 25 m	3363 NBR 70 Sh A Ved. Formas Pré- Moldados  Rolo 25 m	3521 NBR 70 Sh A Ved. Formas Pré- Moldados  Rolo 25 m	3523 NBR 70 Sh A Ved. Formas Pré- Moldados  Rolo 25 m
3775 EPDM 75 Sh A *  Rolo 15 m	3683 NBR 70 Sh A Ved. Formas Pré- Moldados *  Rolo 25 m	3715 NBR 70 Sh A Ved. Formas Pré- Moldados *  Rolo 25 m	3716 EPDM 75 Sh A *  Rolo 25 m

* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

36

3636 SBR 70 Sh A Rolo 50 m	3656 NBR 75 Sh A 3752 EPDM 75 Sh A Rolo 25 m	3432 NBR 80 Sh A 3663 NBR 70 Sh A Rolo 25 m	3475 SBR 80 Sh A Rolo 25 m	3476 SBR 80 Sh A Rolo 25 m
3477 SBR 80 Sh A Rolo 25 m	3184 EPDM 80 Sh A Máquina Madeira MDF Rolo 25 m	3230 SBR 60 Sh A Batente para Equip. Hospitalar Rolo 25 m	3515 EPDM 70 Sh A Rolo 25 m	3403 SBR 70 Sh A Rolo 25 m
3395 EPDM 65 Sh A Rolo 25 m	3357 SBR 80 Sh A Rolo 25 m	3679 EPDM 65 Sh A Rolo 30 m	3615 SBR 60 Sh A Rolo 25 m	

* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

37

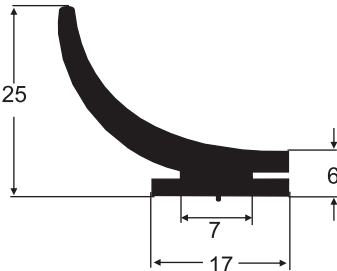
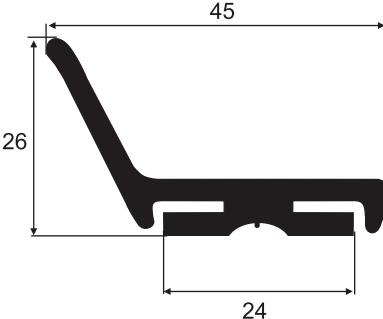
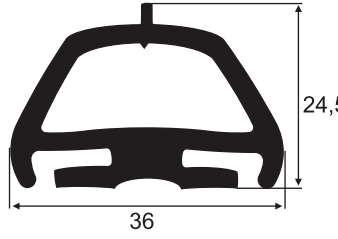
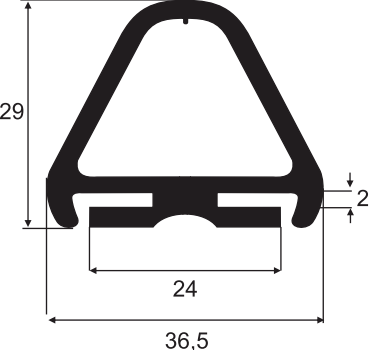
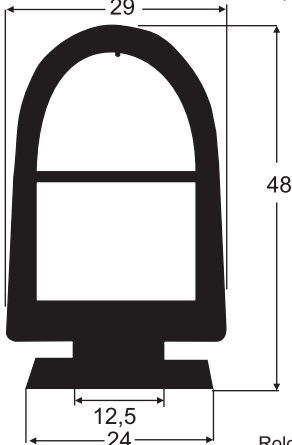
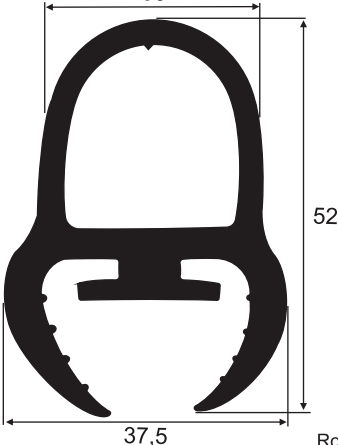
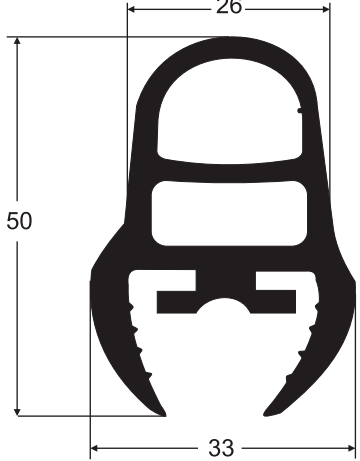
3781 EPDM 70 Sh A Rolo 25 m	3323 SBR 70 Sh A 7130 SBR 70 Sh A 3731 EPDM 70 Sh A Vedação Central Porta Ônibus Ciferal Padron Rio, Glsbus Rolo 25 m	3325 SBR 70 Sh A 7131 SBR 80 Sh A 3735 EPDM 65 Sh A Vedação Porta Ônibus Caio, Gabriela, Amélia, Vitória Rolo de 25m	3326 SBR 80 Sh A 7132 SBR 80 Sh A Vedação Central Portas Ônibus Thanco, Condor Falcão, Águia, Pégasus, Ciferal Tocantins Fênix Alvorada Rolo de 25m
3692 NBR 70 Sh A Rolo 25 m	3324 SBR 80 Sh A 7118 SBR 80 Sh Vedação Central Porta Ônibus Thanco, Scorpion, Micro Rolo de 25m	3547 EPDM 80 Sh A Vedação Porta de Ônibus Rolo 25 m	3330 SBR 80 Sh A 7136 SBR 80 Sh A Vedação Porta Ônibus Comil Svelto I, II Dopio Versátil, MP Torino Allegro GV Rolo de 25m

* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

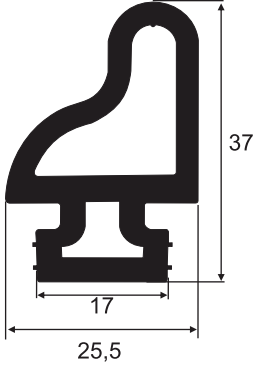
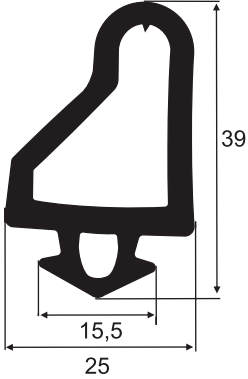
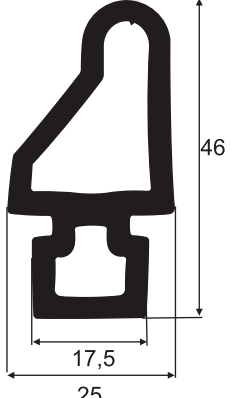
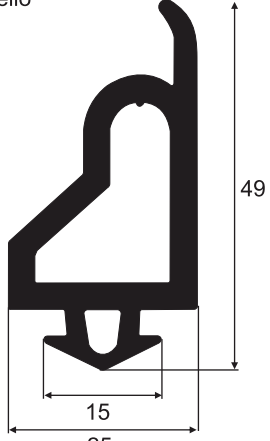
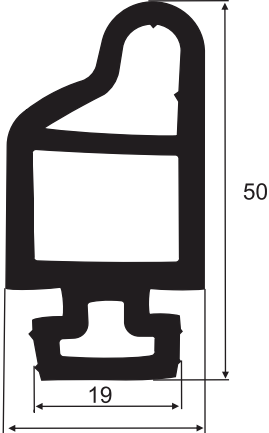
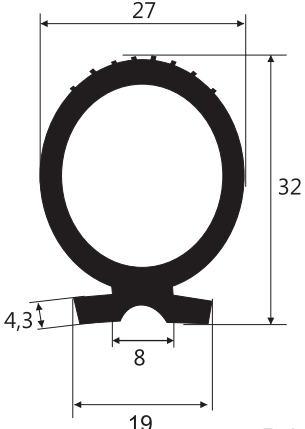
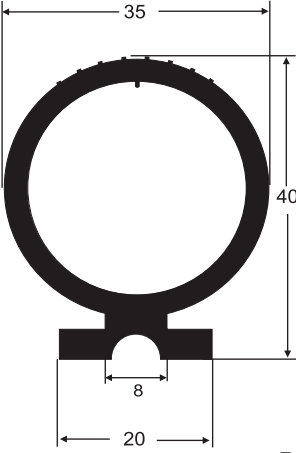
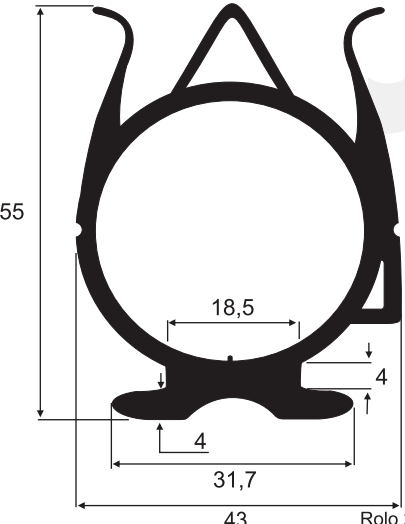
38

3079 SBR 70 Sh A * 7002 SBR 70 Sh A Vedação Portas Ônibus Caio  Rolo 50 m	3232 SBR 80 Sh A 7127 SBR 80 Sh A Vedação Lateral portas Busscar Urbanuss e Interbuss  Rolo 50 m	3327 SBR 80 Sh A 7133 SBR 80 Sh A Vedação Central Portas Busscar Urbanuss Pluss, Interbuss  Rolo 25 m	3233 SBR 80 Sh A 7128 SBR 80 Sh A Vedação Portas Ônibus Busscar Micruss e Mini Micruss  Rolo 25m
3136 SBR 70 Sh A 7016 SBR 70 Sh A) Vedação Portas Ônibus Mega, Neobus, Thanco Scorpion  Rolo 25m	3331 SBR 80 Sh A 7137 SBR 80 Sh A Vedação Porta Ônibus Caio, Alpha 30  Rolo 25m	3106 SBR 70 Sh A 7003 SBR 70 Sh A Porta Ônibus Caio  Rolo 25m	

LINHA 3.000 - PERFIS ESPECIAIS

B

39

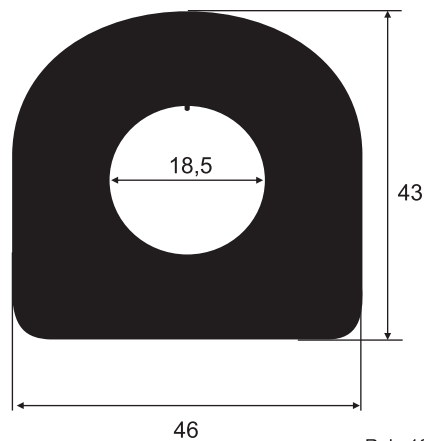
3444 EPDM 75 Sh A Vedação Porta Ônibus SV 2008 Urbano Comil  Rolo 25m	3328 SBR 80 Sh A 7134 SBR 80 Sh A Vedação Central Portas MP Torino, Allegro GV Volare, Fratello  Rolo 25m	3329 SBR 80 Sh A 7135 SBR 80 Sh A Ved. Central Port. Ônibus Busscar Micruss e Mini Micruss Vedação Central Portas MP Torino, Allegro GV Volare, Fratello  Rolo 25m	3412 SBR 80 Sh A Ved. Central Port. Ônibus Busscar Micruss e Mini Micruss Vedação Central Portas MP Torino, Allegro GV Volare, Fratello  Rolo 25m
3320 SBR 80 Sh A 7129 SBR 80 Sh A Porta Ônibus, Vedação Porta Ônibus Comil I Svelto I, II Duplo Versátil  Rolo 25m	3135 EPDM 65 Sh A Vedação Portas Secadora Madeira  Rolo 25 m	3295 EPDM 80 Sh A Vedação Portas Secadora Madeira  Rolo 25 m	3263 SBR 85 Sh A  Rolo 25 m

LINHA 3.000 - PERFIS ESPECIAIS

B

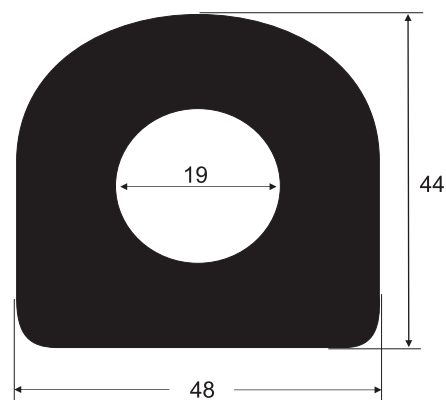
40

3252 SBR 70 Sh A



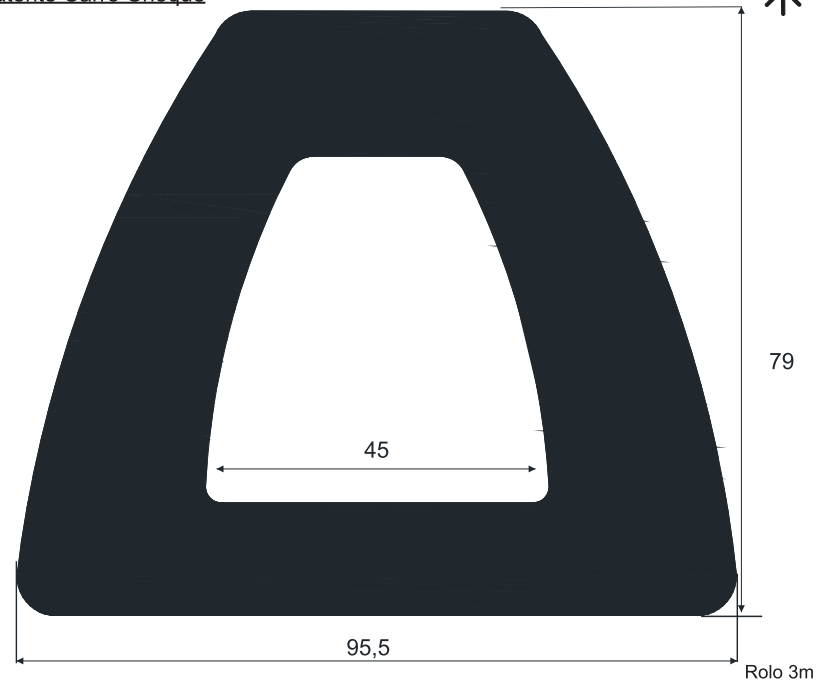
Rolo 10 m

3549 NBR 70 Sh A



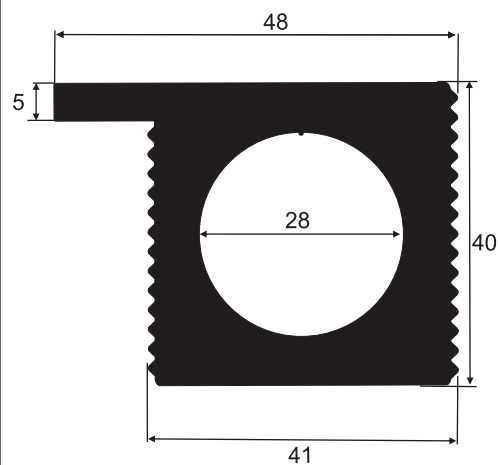
Barra 10 m

3644 EPDM 75 Sh A
Batente Carro Choque



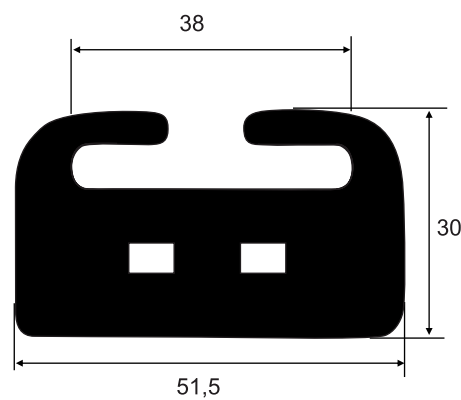
Rolo 3m

3207 SBR 80 Sh A



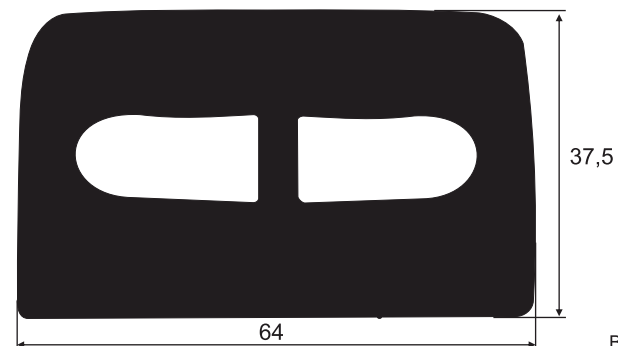
Barras 10m

3569 EPDM 65 Sh A



Barras 15m

3288 EPDM 60 Sh A



Barras 10m

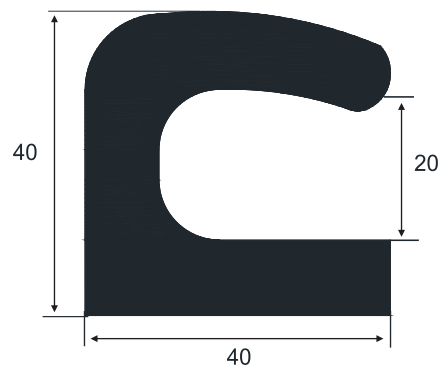
* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

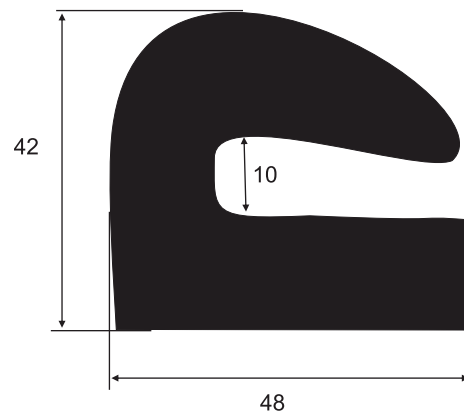
41

3652 EPDM 70 Sh A



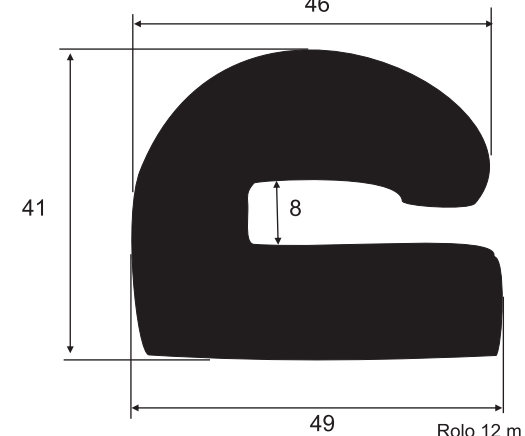
Rolo 25 m

3531 EPDM 70 Sh A

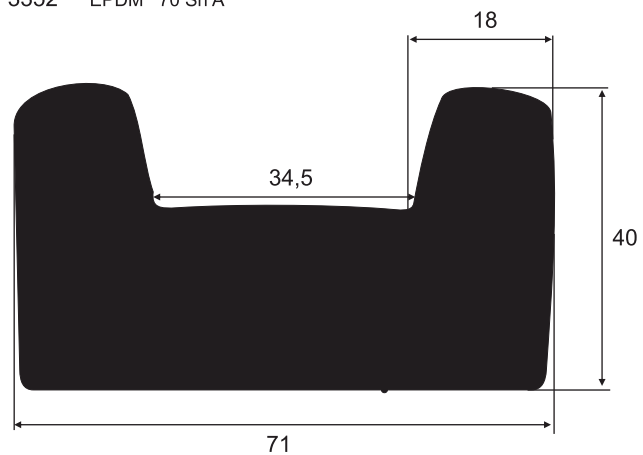


Rolo 12 m

3535 EPDM 60 Sh A 46

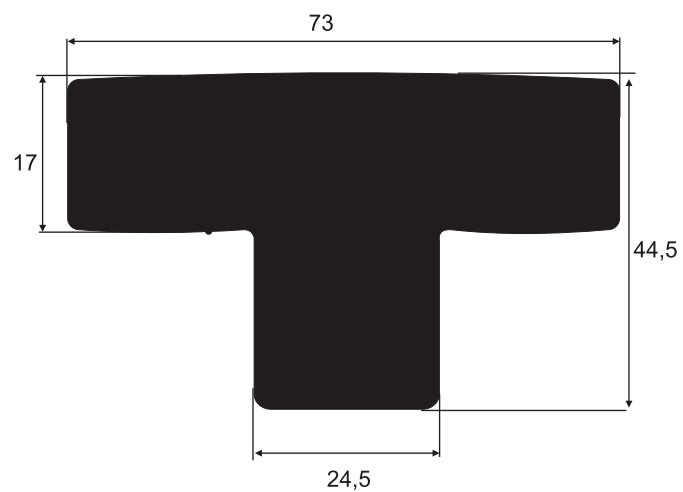


3352 EPDM 70 Sh A



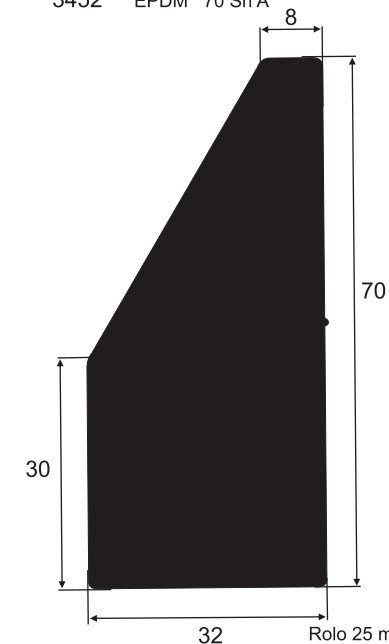
Rolo 10 m

3349 SBR 80 Sh A



Rolo 10 m

3452 EPDM 70 Sh A 8



LINHA 3.000 - PERFIS ESPECIAIS

B

42

3708 EPDM 75 Sh A Bandô para Caminhão 128 Rolo 32 m	3128 SBR 60 Sh A Protetor Pó Pára-Lama M. Benz 60 Rolo 25 m
3610 EPDM 75 Sh A Bandô Randon 130 Rolo 32 m	3262 SBR 80 Sh A 66 Rolo 25 m
3466 EPDM 70 Sh A Bandô Linshalm 133 Rolo 32 m	3100 EPDM 60 Sh A 63,5 Rolo 25 m
3565 EPDM 75 Sh A Bandô para Caminhão 133 Rolo 32 m	3389 EPDM 65 Sh A 70 Rolo 25 m
3396 EPDM 80 Sh A Bandô A Guerra 144 Rolo 32 m	
3572 EPDM 75 Sh A / IBC 3766 SBR 75 Sh A Bandô para Caminhão Fachini 142,5 Rolo 32 m	

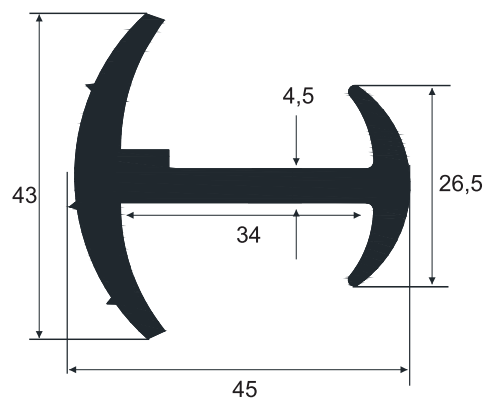
* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

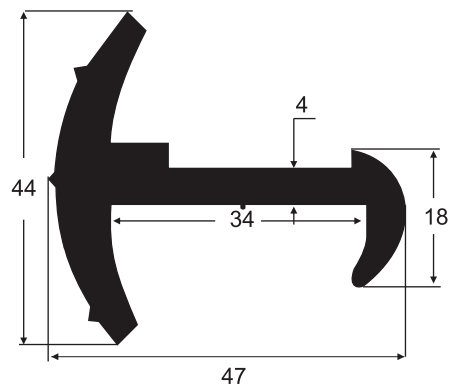
43

3670 EPDM 80 Sh A
Vedação Porta Furgões



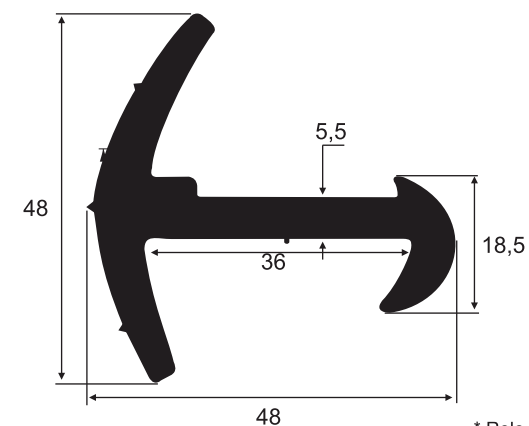
Rolo 25 m

SBR 80 Sh A *
SBR 80 Sh A (Barra c/ 2,50 m)
SBR 80 Sh A (Barra c/ 4,60 m)
SBR 80 Sh A (Barra c/ 2,80 m)
SBR 80 Sh A (Barra c/ 2,30 m)
SBR 80 Sh A (Barra c/ 3,00 m)
EPDM 80 Sh A Vedação Porta Furgões



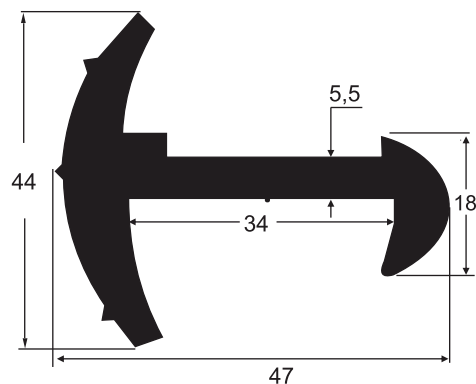
* Rolo 25 m

SBR 80 Sh A *
SBR 85 Sh A *
SBR 80 Sh A (Barra c/ 2,80 m)
SBR 80 Sh A (Barra c/ 2,30 m)
SBR 75 Sh A
Vedação Porta Furgões



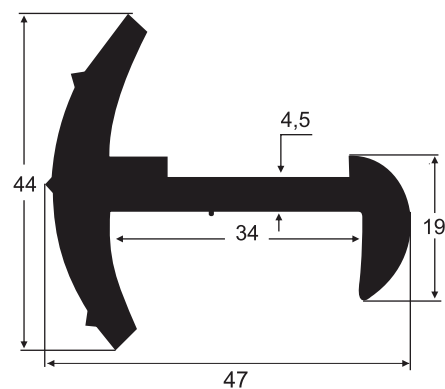
* Rolo 25 m

3038 SBR 80 Sh A
Vedação Porta Furgões



Rolo 25 m

3223 SBR 85 Sh A
Vedação Porta Furgões

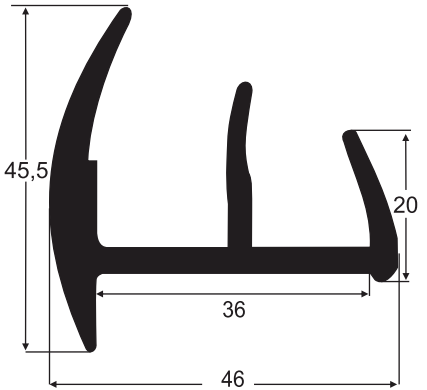
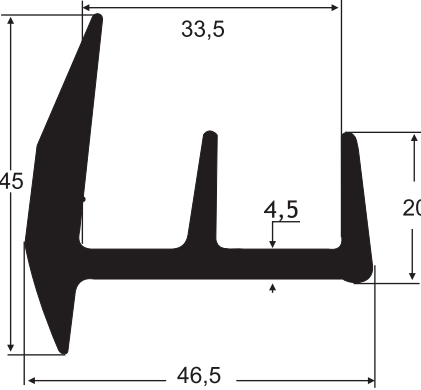
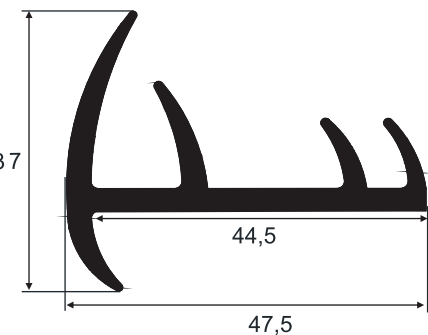
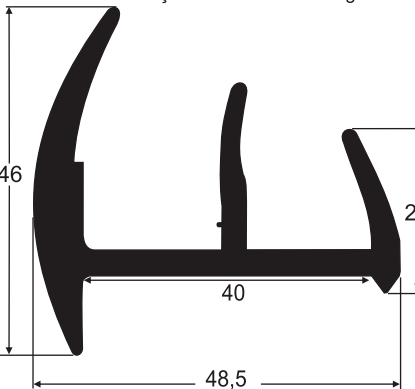
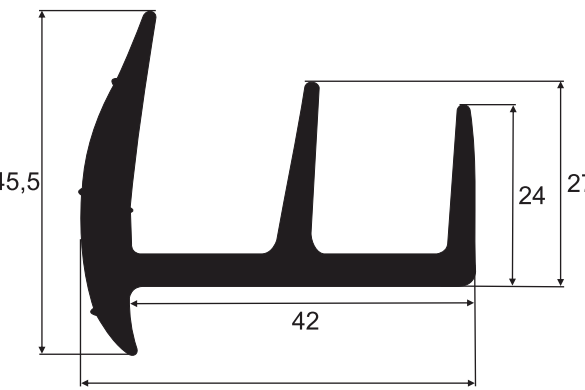
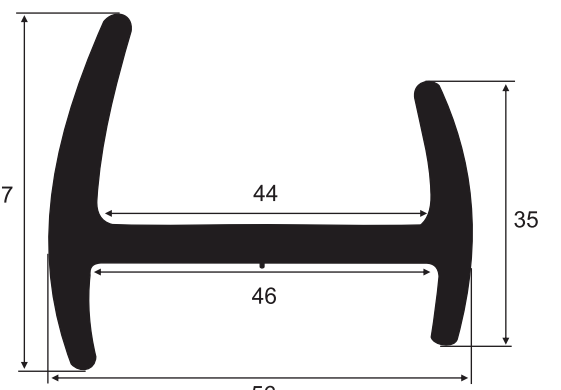
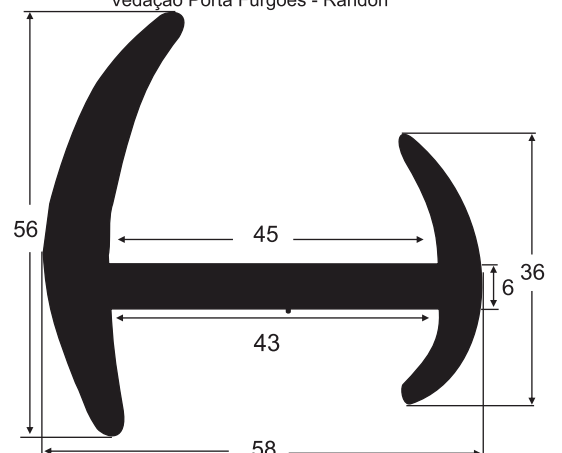


Rolo 25 m

LINHA 3.000 - PERFIS ESPECIAIS

B

44

3309 EPDM 75 Sh A 3637 EPDM 80 Sh A Vedação Caixa Rancho Furgões  Rolo 25 m	3093 EPDM 65 Sh A Vedação Caixa Rancho Furgões  Rolo 25 m	3382 EPDM 70 Sh A  Rolo 25 m	3317 EPDM 70 Sh A Vedação Caixa Rancho Furgões  Rolo 25 m
3275 EPDM 65 Sh A Vedação Caixa Rancho Furgões  Rolo 25 m	3296 SBR 80 Sh A Vedação Porta Furgões  Rolo 25 m	SBR 80 Sh A * SBR 80 Sh A (Barra c/ 5,00 m) SBR 80 Sh A (Barra c/ 2,60 m) SBR 80 Sh A (Barra c/ 2,80 m) SBR 80 Sh A (Barra c/ 2,30 m) Vedação Porta Furgões - Randon  Rolo 25 m	

LINHA 3.000 - PERFIS ESPECIAIS

B

45

3457 EPDM 75 Sh A 44 29 34 45 Rolo 25 m	3600 EPDM 75 Sh A 52 22,5 46 52 Rolo 25 m	3487 EPDM 70 Sh A 3765 SBR 70 Sh A 50 31 50 62 Rolo 25 m	3486 EPDM 75 Sh A 50 28 45 57 Rolo 25 m
3595 EPDM 75 Sh A 41 61 66 Rolo 25 m	3777 EPDM 75 Sh A 44 32 60 70 Rolo 25 m	3778 EPDM 75 Sh A 44 32 65 74 Rolo 25 m	

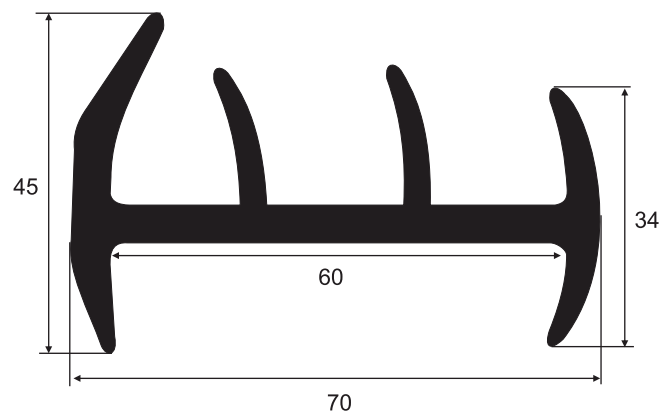
✱ ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

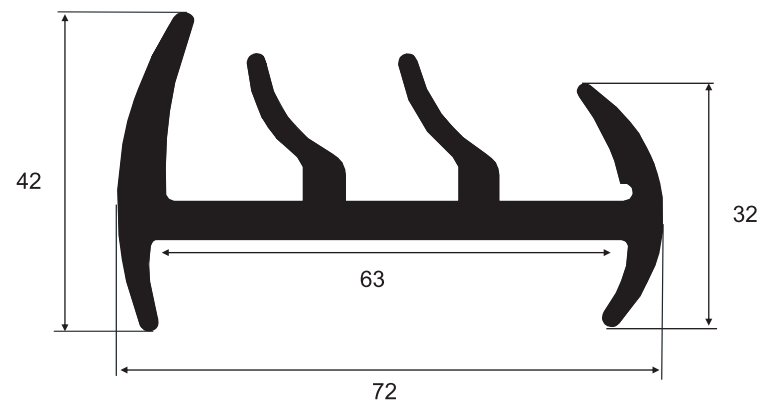
46

3536 EPDM 75 Sh A
Vedação Porta Frigorífico



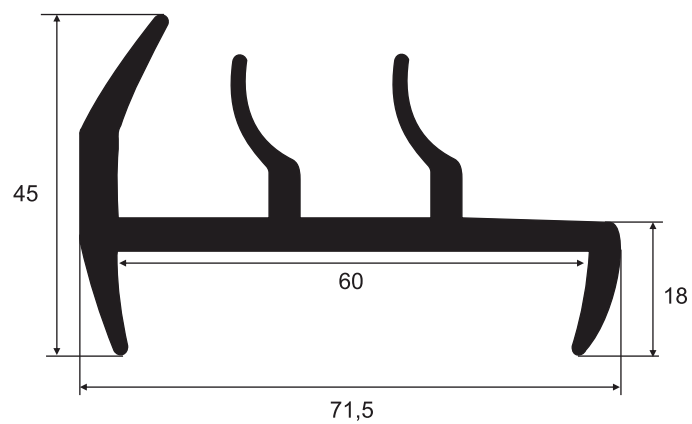
Rolo 25 m

3693 EPDM70 Sh A - Vedação Porta Frigorífico



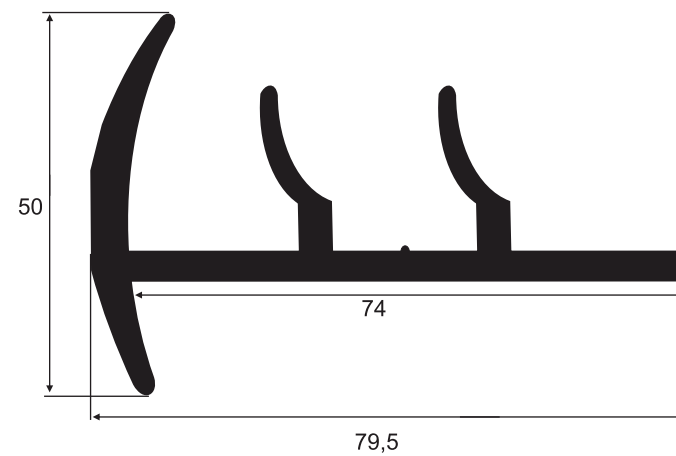
Rolo 25 m

3538 EPDM 75 Sh A
Vedação Porta Frigorífico



Rolo 25 m

3413 EPDM 75 Sh A - Vedação Porta Frigorífico
3770 SBR 75 Sh A - Vedação Porta Frigorífico



Rolo 25 m



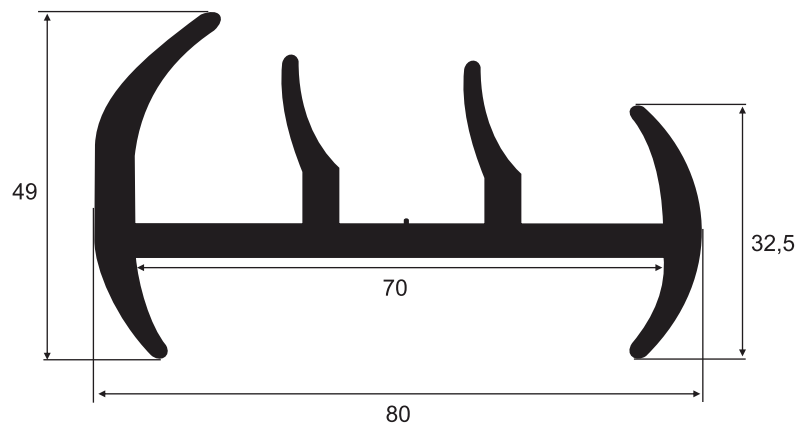
* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

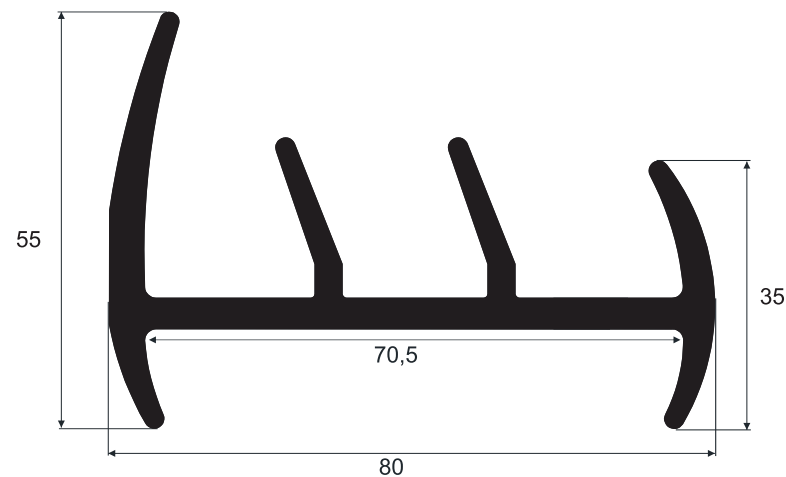
47

3139 EPDM 75 Sh A - Vedação Furgão Frigorífico
3764 SBR 75 Sh A - Vedação Furgão Frigorífico



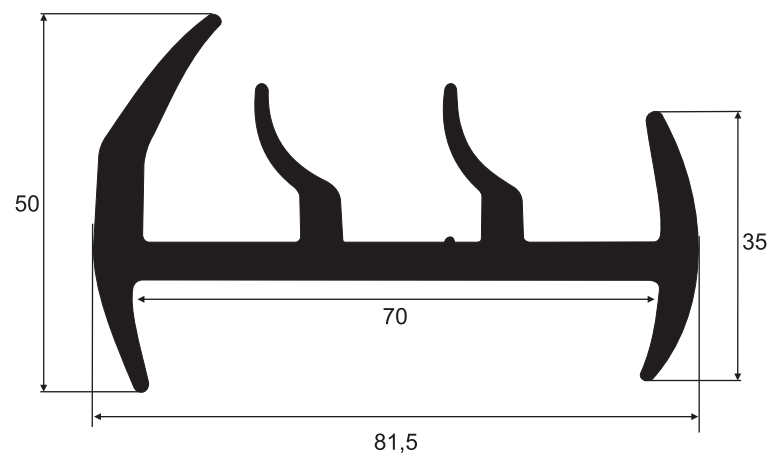
Rolo 25 m

3779 EPDM 75 Sh A - Vedação Furgão Frigorífico



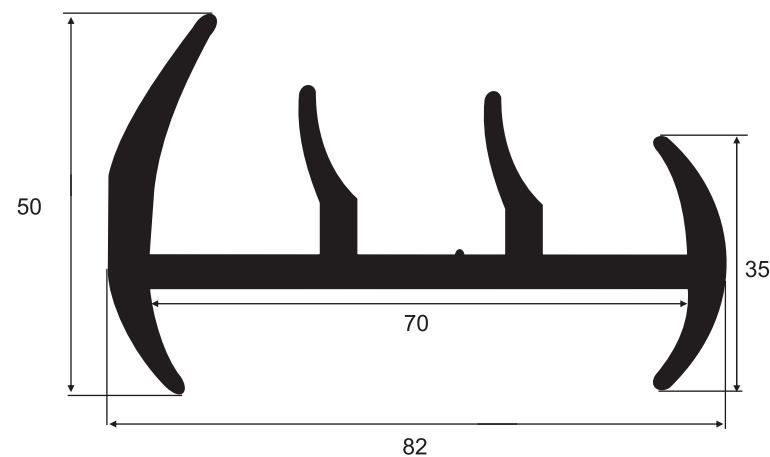
Rolo 25 m

3305 EPDM 75 Sh A - Vedação Furgões Frigoríficos Niju
3763 SBR 75 Sh A - Vedação Furgões Frigoríficos Niju



Rolo 25 m

3379 EPDM 70 Sh A - Vedação Furgões Frigoríficos Randon
3768 SBR 75 Sh A - Vedação Furgões Frigoríficos.



Rolo 25 m

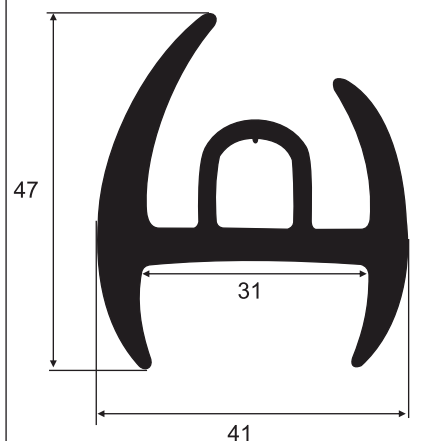
* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

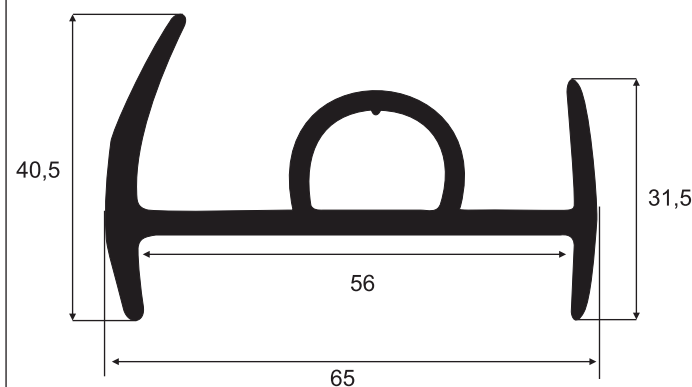
48

3313 EPDM 70 Sh A
Vedação Caixa Rancho



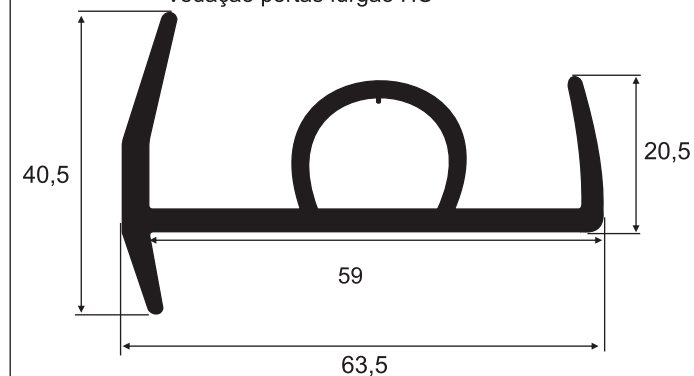
Rolo 25m

3509 EPDM 70 Sh A - Vedação portas furgão Carropel
3769 SBR 70 Sh A - Vedação portas furgão Carropel



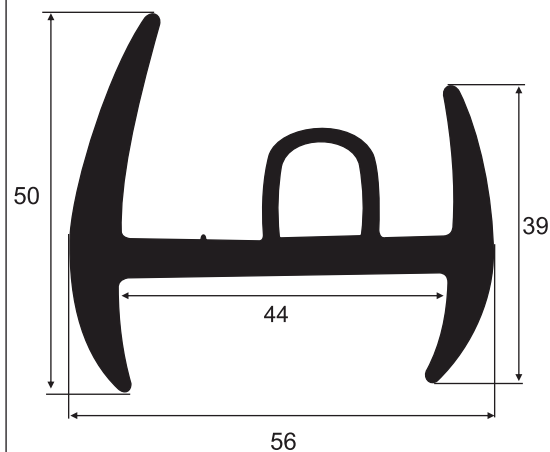
Rolo 25m

3310 EPDM 75 Sh A
7339 1.900mm.
7340 2.300mm.
7341 2.500mm.
7406 2.100mm.
Vedação portas furgão HC



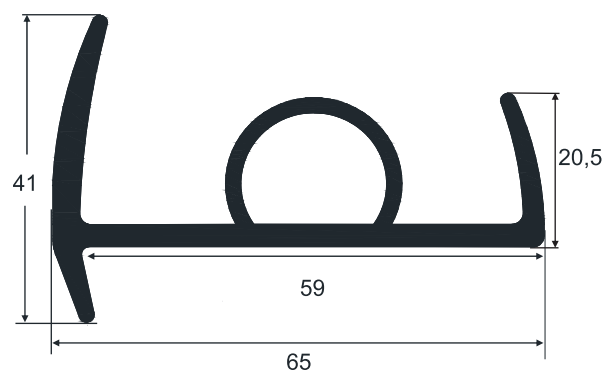
Rolo 25 m

3306 EPDM 70 Sh A
Vedação Caixa Rancho



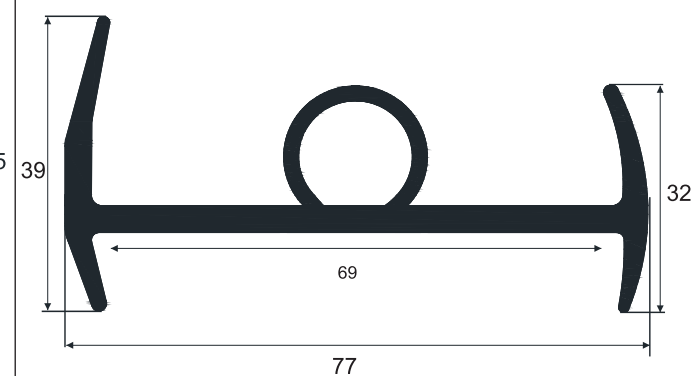
Rolo 25 m

3592 EPDM 75 Sh A
Vedação portas furgão HC



Rolo 25m

3626 EPDM 75 Sh A



Rolo 25 m

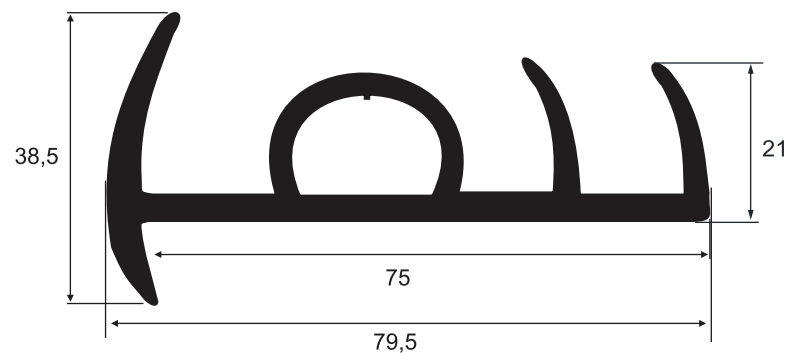
* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

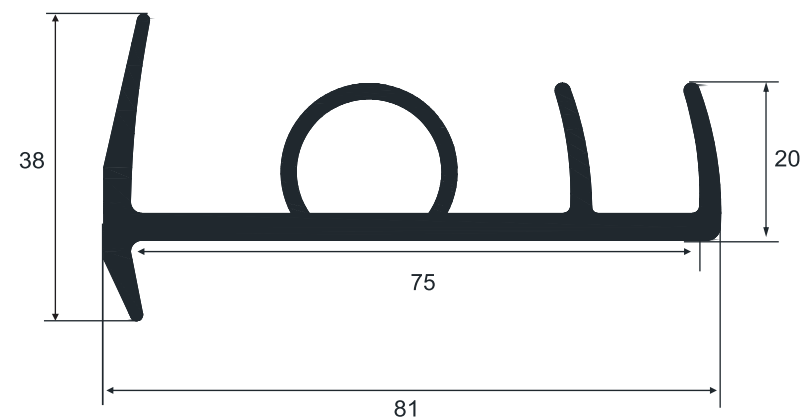
49

3050 EPDM 75 Sh A - Vedação Furgão Frigorífico
3767 SBR 75 Sh A - Vedação Furgão Frigorífico



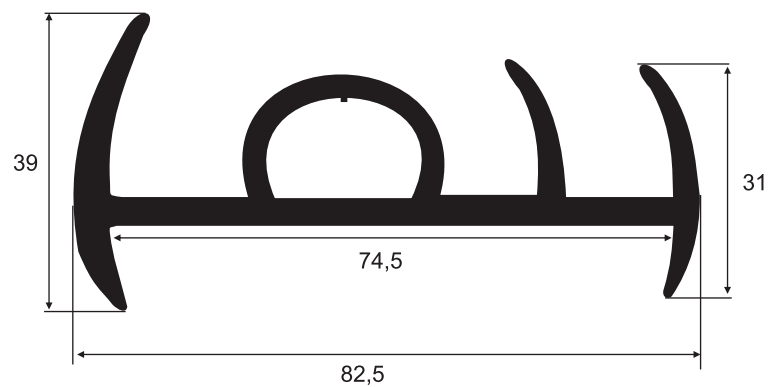
Rolo 25 m

3596 EPDM 75 Sh A



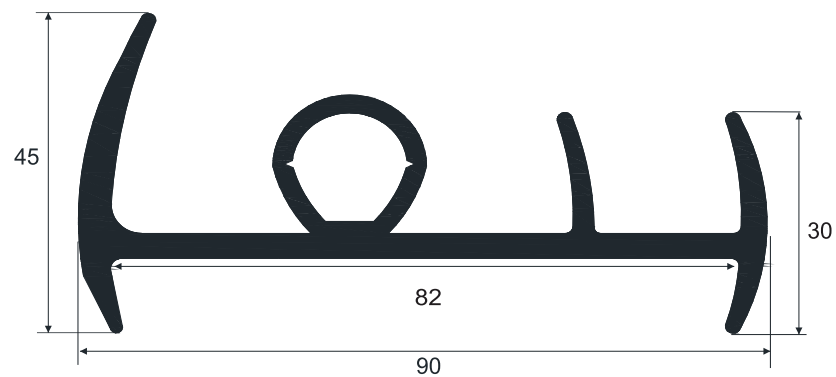
Rolo 25 m

3471 EPDM 75 Sh A



Rolo 25 m

3650 EPDM 75 Sh A



Rolo 25 m

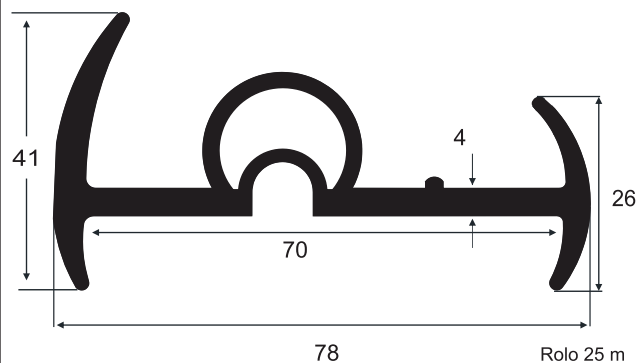
* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

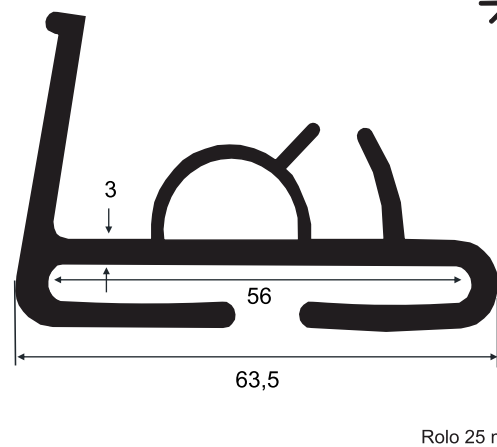
B

50

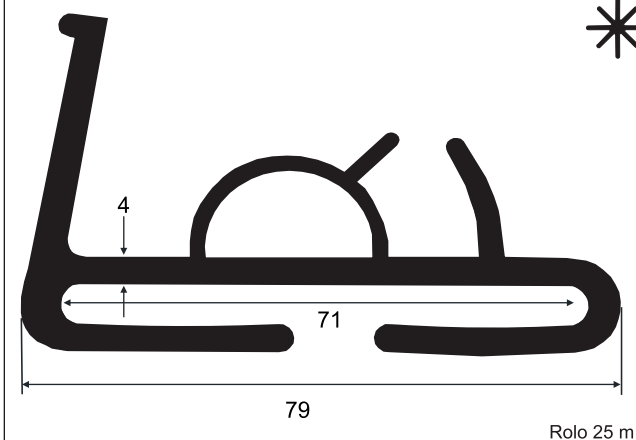
3751 EPDM 75 Sh A



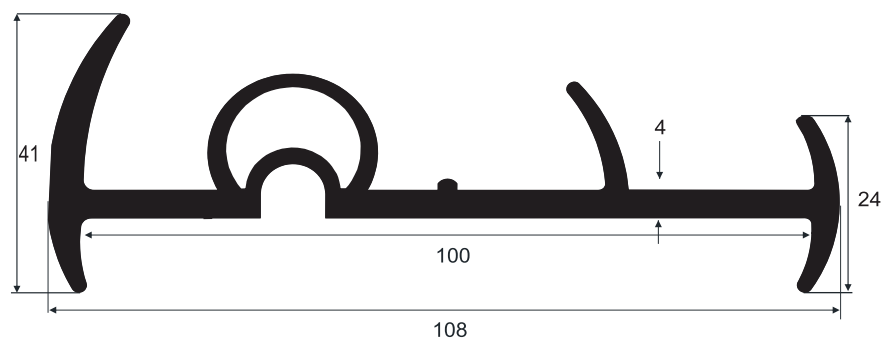
3717 EPDM 75 Sh A



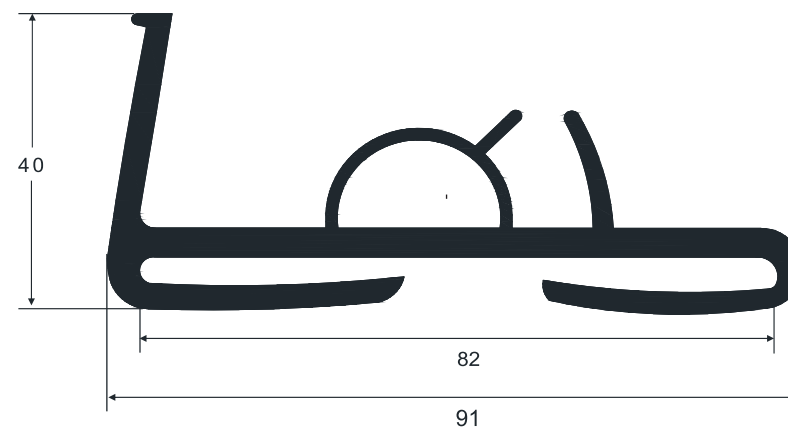
3718 EPDM 75 Sh A



3750 EPDM 75 Sh A



3616 EPDM 80 Sh A



ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

51

3505 EPDM 75 Sh A Rolo 25 m	3674 EPDM 70 Sh A Rolo 25 m	3669 EPDM 75 Sh A Rolo 25 m	3259 EPDM 70 Sh A Rolo 25 m
3559 NBR 65 Sh A Rolo 25 m	3334 EPDM 65 Sh A Rolo 25 m	3702 EPDM 75 Sh A Visor para Equipamento Frigorífico Rolo 25 m	3694 EPDM 75 Sh A Rolo 25 m
3695 EPDM 75 Sh A Rolo 25 m	3422 SBR 70 Sh A Rolo 25 m	3696 NBR 80 Sh A Rolo 25 m	3682 EPDM 70 Sh A Rolo 25 m

* ITEM NOVO

LINHA 3.000 - PERFIS ESPECIAIS

B

52

3355 SBR 70 Sh A Rolo 25 m	3297 EPDM 70 Sh A Rolo 25 m	3519 EPDM 70 Sh A Vedação portas Portabrás Rolo 25 m	3533 EPDM 75 Sh A Vedação porta Furgão Rolo 25 m
3318 SBR 70 Sh A Rolo 25 m	3048 EPDM 65 Sh A Vedação Furgão Fachini Rolo 25 m	3307 EPDM 70 Sh A Vedação Porta Furgão Fachini Rolo 25 m	3049 EPDM 70 Sh A Vedação Porta Furgão Fachini Rolo 25 m
3525 EPDM 75 Sh A Rolo 25 m	3584 EPDM 75 Sh A Rolo 25 m	3524 EPDM 75 Sh A Rolo 25 m	3524 EPDM 75 Sh A Rolo 25 m

LINHA 3.000 - PERFIS ESPECIAIS

B

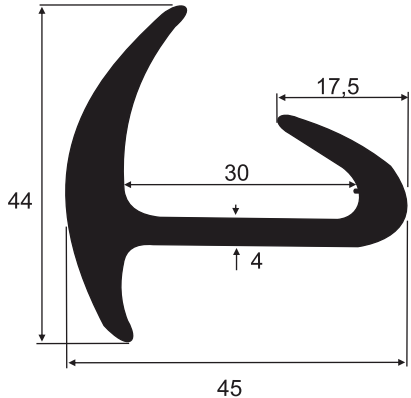
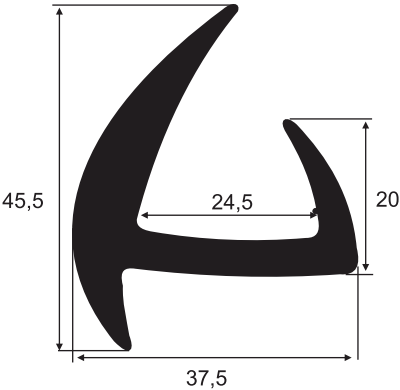
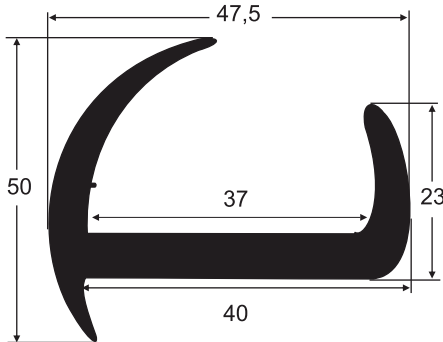
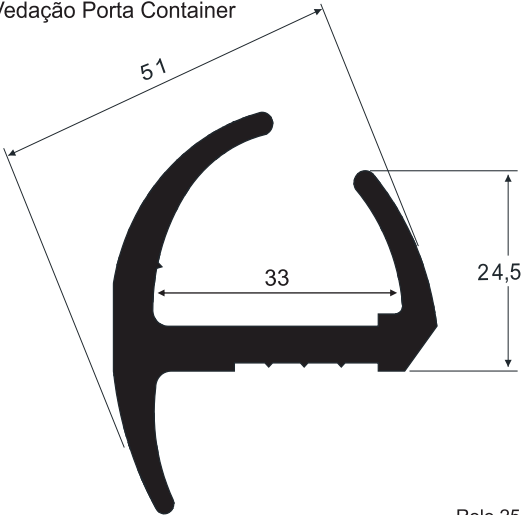
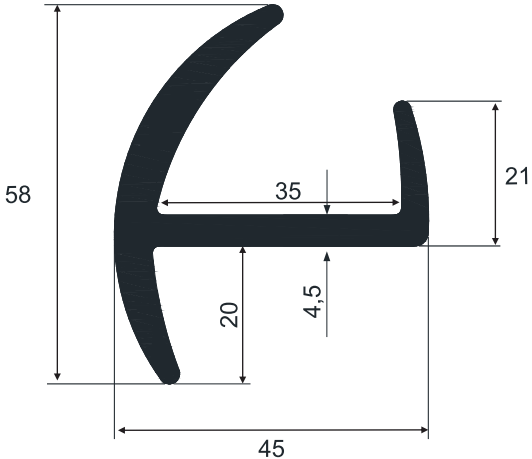
53

3159 SBR 60 Sh A Rolo 50 m	3129 SBR 70 Sh A Rolo 25 m	3055 SBR 70 Sh A Rolo 25 m	3250 SBR 80 Sh A Rolo 25 m	3045 SBR 80 Sh A Vedação Furgão Diversos Rolo 25 m
3390 EPDM 70 Sh A 3438 EPDM 80 Sh A Vedação Portas Furgões Rolo 25 m	3545 EPDM 80 Sh A Rolo 25m	3673 EPDM 80 Sh A Rolo 25 m	3667 EPDM 80 Sh A Rolo 25 m	

LINHA 3.000 - PERFIS ESPECIAIS

B

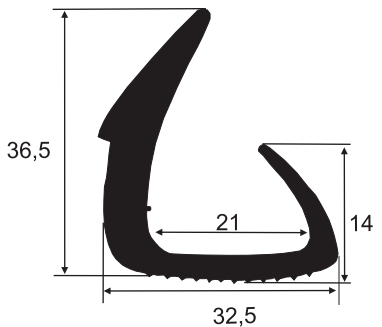
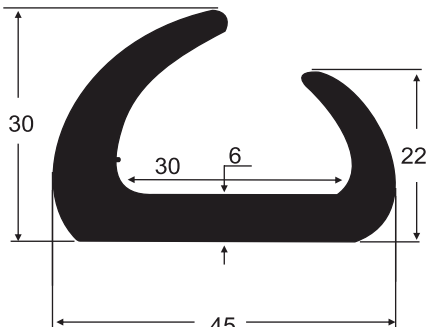
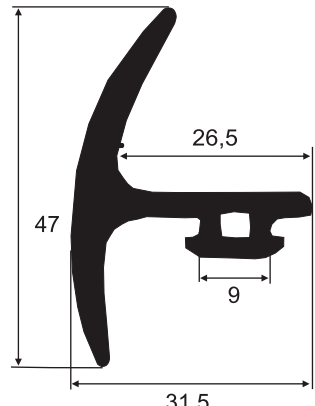
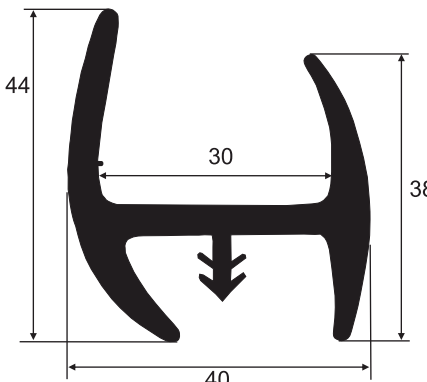
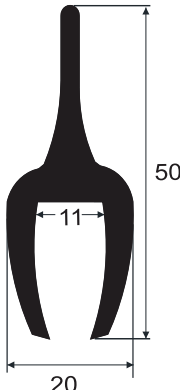
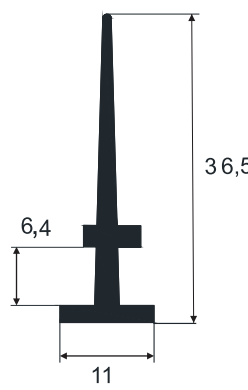
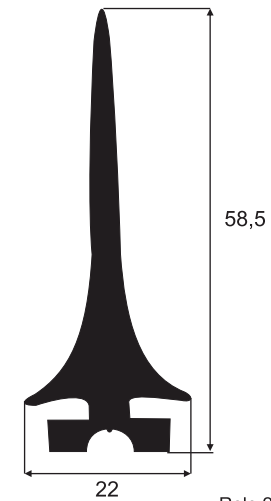
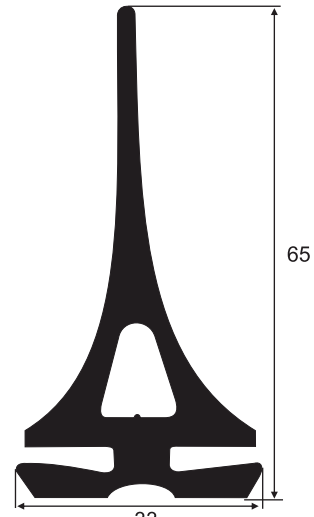
54

3241 SBR 80 Sh A Vedação Porta Container  Rolo 25 m	3409 SBR 80 Sh A Vedação Porta Container  Rolo 25 m	3205 SBR 80 Sh A 3451 EPDM 80 Sh A Vedação Porta Container  Rolo 25 m
3279 SBR 80 Sh A Vedação Porta Container  Rolo 25 m	3578 EPDM 75 Sh A  Rolo 25 m	

LINHA 3.000 - PERFIS ESPECIAIS

B

55

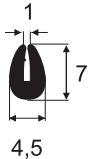
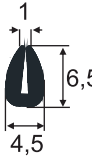
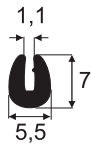
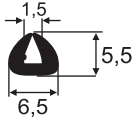
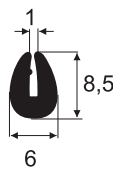
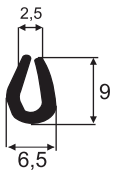
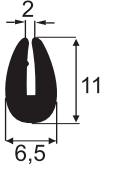
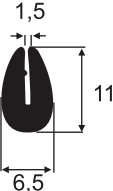
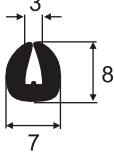
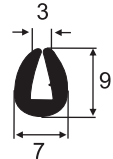
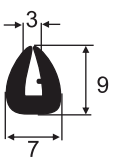
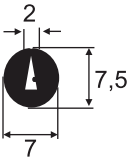
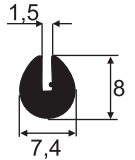
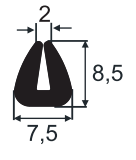
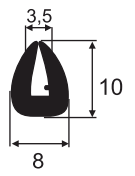
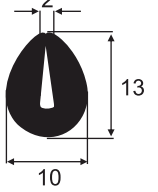
3277 SBR 80 Sh A Vedação Porta Container  Rolo 25 m	3150 SBR 60 Sh A Vedação Porta Container  Rolo 25 m	3353 SBR 80 Sh A Vedação Porta Container  Rolo 25 m	3278 SBR 80 Sh A Vedação Porta Container  Rolo 25 m
3772 EPDM 75 Sh A  Rolo 25m	3564 EPDM 75 Sh A  Rolo 25m	3383 EPDM 80 Sh A  Rolo 25m	3445 EPDM 70 Sh A  Rolo 25m

* ITEM NOVO

LINHA 5.000 - PERFIS DE ACABAMENTO

C

01

5013 SBR 70 Sh A 5152 EPDM 70 Sh A  Rolo 100 m	5062 SBR 70 Sh A  Rolo 100 m	5084 EPDM 70 Sh A  Rolo 100 m	5069 SBR 70 Sh A  Rolo 100 m	5022 SBR 70 Sh A 5128 EPDM 75 Sh A  Rolo 100 m
5158 EPDM 70 Sh A  Rolo 100 m	5054 SBR 70 Sh A  Rolo 100 m	5096 SBR 70 Sh A  Rolo 100 m	5024 SBR 70 Sh A  Rolo 100 m	5131 SBR 70 Sh A  Rolo 100 m
5025 SBR 70 Sh A  Rolo 100 m	5023 SBR 70 Sh A  Rolo 100 m	5016 SBR 70 Sh A  Rolo 100 m	5043 SBR 70 Sh A 5196 EPDM 70 Sh A  Rolo 100 m	5068 SBR 70 Sh A  Rolo 100 m
5072 SBR 70 Sh A  Rolo 50 m	5028 SBR 70 Sh A 5161 EPDM 70 Sh A  Rolo 50 m	5163 SBR 70 Sh A  Rolo 50 m		

✱ ITEM NOVO

LINHA 5.000 - PERFIS DE ACABAMENTO

C

02

5065 SBR 70 Sh A Rolo 100 m	5066 SBR 70 Sh A Rolo 100 m	5107 SBR 70 Sh A Rolo 50 m	5175 NBR 70 Sh A Rolo 50 m
5076 EPDM 65 Sh A Rolo 50 m	5081 EPDM 65 Sh A Acab. Painei Marcopolo Alegro Rolo 50 m	5058 EPDM 65 Sh A Rolo 50 m	5009 EPDM 65 Sh A Rolo 50 m
5041 SBR 70 Sh A Rolo 50 m	5070 SBR 70 Sh A Rolo 50 m	5179 EPDM 75 Sh A Rolo 25 m	5189 EPDM 75 Sh A Rolo 50 m
5192 EPDM 75 Sh A * Rolo 25 m	5191 EPDM 75 Sh A * Rolo 25 m	5098 SBR 70 Sh A Rolo 25 m	5116 SBR 70 Sh A Rolo 25 m

* ITEM NOVO

LINHA 5.000 - PERFIS DE ACABAMENTO

C

03

5002 SBR 70 Sh A Rolo 100 m	5012 SBR 70 Sh A Rolo 100 m	5018 SBR 70 Sh A Rolo 100 m	5184 EPDM 70 Sh A Rolo 100 m	5019 EPDM 70 Sh A Rolo 100 m
5188 SBR 70 Sh A Rolo 100 m	5005 SBR 70 Sh A 5151 EPDM 70 Sh A Rolo 100 m	5200 EPDM 60 Sh A Rolo 100 m	5141 EPDM 70 Sh A Rolo 100 m	5183 EPDM 70 Sh A Rolo 100 m
5080 EPDM 65 Sh A Rolo 100 m	5136 SBR 70 Sh A Rolo 50 m	5187 EPDM 70 Sh A Rolo 50 m	5109 SBR 70 Sh A 5190 EPDM 70 Sh A Rolo 100 m	5143 SBR 70 Sh A Rolo 100 m
5036 SBR 70 Sh A Rolo 50 m	5074 SBR 70 Sh A Rolo 50 m	5026 SBR 70 Sh A Rolo 50 m	5055 SBR 70 Sh A Rolo 25 m	5027 SBR 70 Sh A Rolo 50 m

* ITEM NOVO

LINHA 5.000 - PERFIS DE ACABAMENTO

C

04

5037 SBR 70 Sh A Rolo 100 m	5051 SBR 70 Sh A Rolo 100 m	5042 SBR 70 Sh A Rolo 100 m	5039 SBR 70 Sh A Rolo 100 m	5046 SBR 70 Sh A Rolo 100 m
5056 SBR 70 Sh A Rolo 100 m	5038 SBR 70 Sh A Rolo 50 m	5010 SBR 70 Sh A Rolo 100 m	5154 EPDM 70 Sh A Rolo 50 m	5153 SBR 70 Sh A Rolo 100 m
5171 NBR 65 Sh A Rolo 50 m	5071 SBR 70 Sh A Rolo 50 m	5040 EPDM 65 Sh A Rolo 50 m	5097 SBR 70 Sh A Rolo 50 m	5164 SBR 70 Sh A Rolo 50 m
5165 SBR 70 Sh A Rolo 50 m	5045 SBR 70 Sh A Rolo 25 m	5082 SBR 70 Sh A Rolo 25 m	5083 SBR 70 Sh A 5126 NBR 70 Sh A 5201 EPDM 70 Sh A Rolo 25 m	5199 EPDM 75 Sh A Rolo 25 m

* ITEM NOVO

LINHA 5.000 - PERFIS DE ACABAMENTO

C

05

5050 SBR 70 Sh A Rolo 100 m	5020 SBR 70 Sh A Rolo 100 m	5052 SBR 70 Sh A Rolo 100 m	5021 SBR 70 Sh A Rolo 100 m	5011 SBR 70 Sh A Rolo 100 m
5031 SBR 70 Sh A Rolo 100 m	5140 EPDM 70 Sh A Rolo 50 m	5139 EPDM 70 Sh A Rolo 50m	5147 EPDM 70 Sh A Rolo 50m	5146 EPDM 70 Sh A Rolo 50 m
5172 EPDM 75 Sh A Rolo 50 m	5148 EPDM 75 Sh A Rolo 50m	5145 EPDM 75 Sh A Rolo 50 m	5177 EPDM 70 Sh A Rolo 25 m	5167 EPDM 75 Sh A Vedação Vidro de Barco Rolo 25 m
5169 EPDM 75 Sh A Rolo 25 m	5168 EPDM 75 Sh A Vedação para Barco Rolo 25 m			

LINHA 5.000 - PERFIS DE ACABAMENTO

C

06

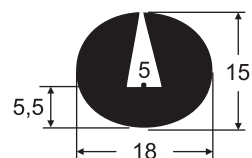
5047 SBR 70 Sh A Rolo 100 m	5044 SBR 70 Sh A Rolo 100 m	5063 SBR 70 Sh A Rolo 100 m	5015 SBR 70 Sh A Rolo 100 m
5057 SBR 70 Sh A Rolo 50 m	5053 SBR 70 Sh A Rolo 50 m	5106 EPDM 70 Sh A Rolo 50 m	5073 SBR 70 Sh A Rolo 25 m
5156 SBR 70 Sh A Rolo 50 m	5112 SBR 70 Sh A Ved. Entre vidros ônibus Busscar Urbanus, Interbus. Rolo 25 m	5113 SBR 70 Sh A Ved. Entre vidros ônibus Neobus/Mega, Busscar Urbanus/Interbus Rolo 25 m	5085 SBR 70 Sh A Vedação Entre Vidros Ônibus Marcopolo Metalbus Urbano Rolo 25 m
5155 SBR 70 Sh A Rolo 100 m	5077 SBR 60 Sh A Rolo 50 m	5160 SBR 70 Sh A Rolo 50 m	

LINHA 5.000 - PERFIS DE ACABAMENTO

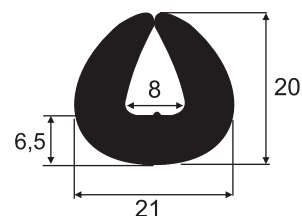
C

07

5035 SBR 70 Sh A

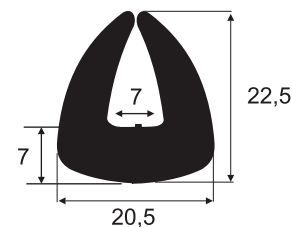


Rolo 25 m

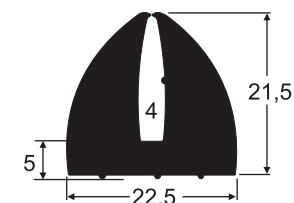
5103 SBR 70 Sh A
Vedação de Peneiras de Mineração


Rolo 25 m

5115 EPDM 70 Sh A

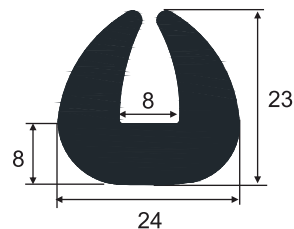


Rolo 25 m

5138 SBR 70 Sh A
Proteção Máquinas Calçados


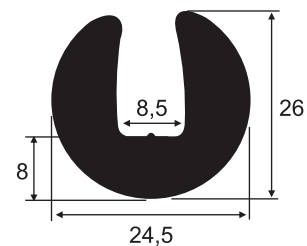
Rolo 25 m

5181 SBR 70 Sh A



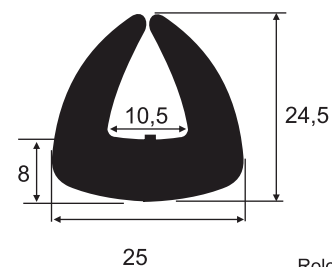
Rolo 25 m

5129 SBR 70 Sh A

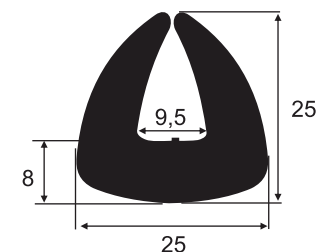


Rolo 25 m

5104 SBR 70 Sh A

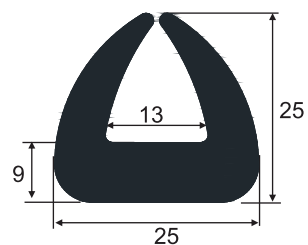


Rolo 25 m

5105 SBR 70 Sh A
Vedação de Peneiras de Mineração


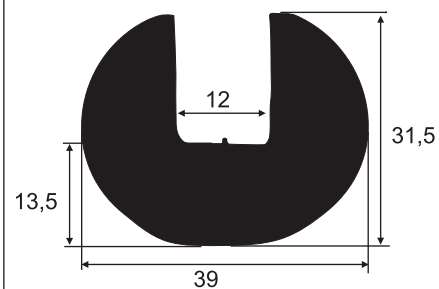
Rolo 25 m

5180 SBR 70 Sh A



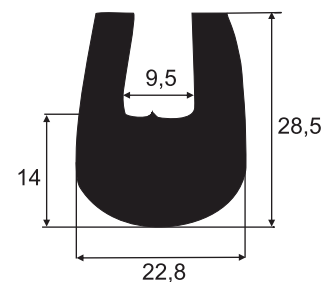
Rolo 25 m

5119 SBR 70 Sh A

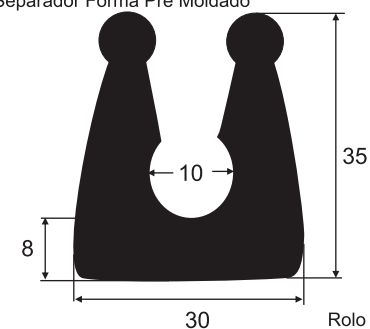


Rolo 25 m

5123 SBR 80 Sh A



Rolo 25 m

5166 EPDM 75 Sh A -
Separador Forma Pré Moldado


Rolo 25 m

LINHA 5.000 - PERFIS DE ACABAMENTO

C

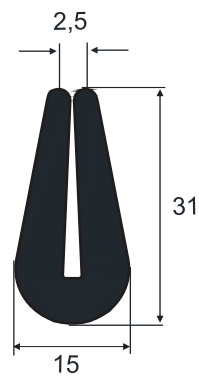
08

5174 EPDM 75 Sh A



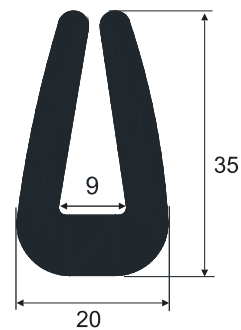
Rolo 50 m

5185 SBR 75 Sh A



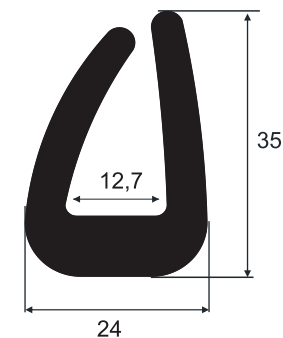
Rolo 25 m

5186 SBR 75 Sh A



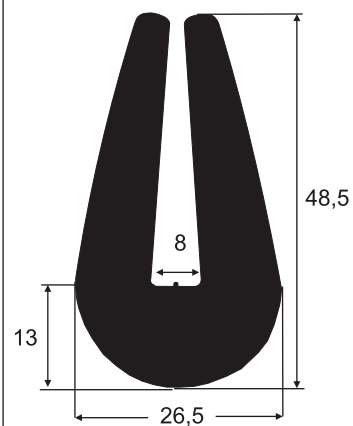
Rolo 25 m

5197 SBR 70 Sh A

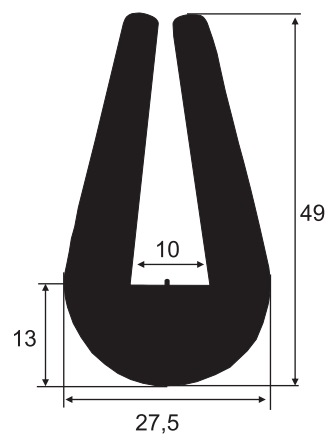


Rolo 25 m

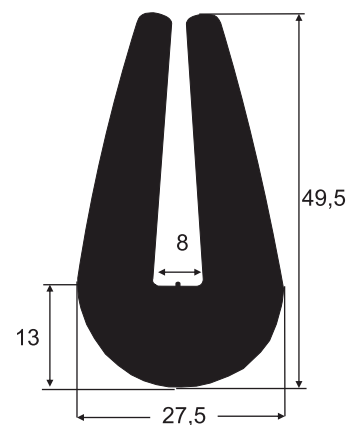
5173 EPDM 70 Sh A



Rolo 25 m

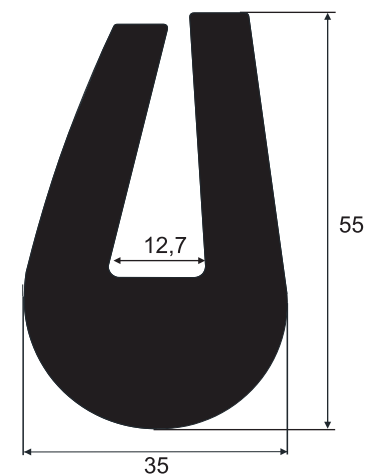
5087 SBR 70 Sh A
5157 EPDM 70 Sh A
Vedação de Peneiras para Mineração


Rolo 25 m

5108 SBR 70 Sh A
Vedação Peneiras para Mineração


Rolo 25 m

5193 SBR 70 Sh A



Rolo 20 m

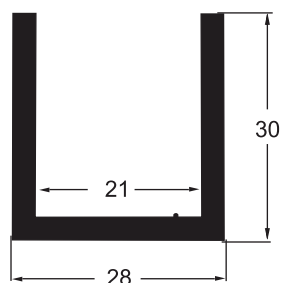
* ITEM NOVO

LINHA 5.000 - PERFIS DE ACABAMENTO

C

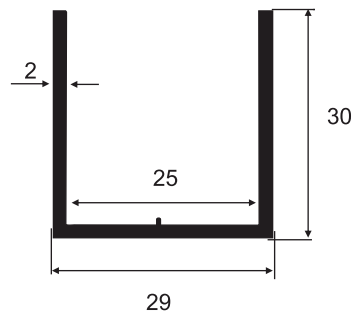
09

5122 SBR 70 Sh A
5194 EPDM 65 Sh A



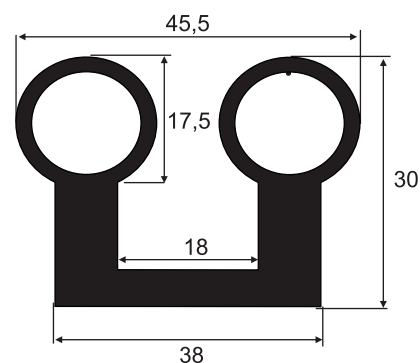
Rolo 25 m

5120 EPDM 70 Sh A



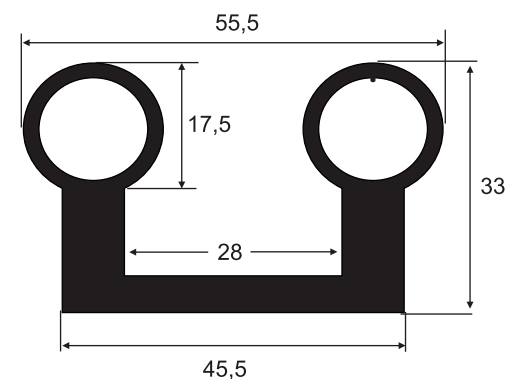
Rolo 25 m

5159 EPDM 70 Sh A



Rolo 25 m

5121 EPDM 70 Sh A



Rolo 25 m

5060 SBR 80 Sh A



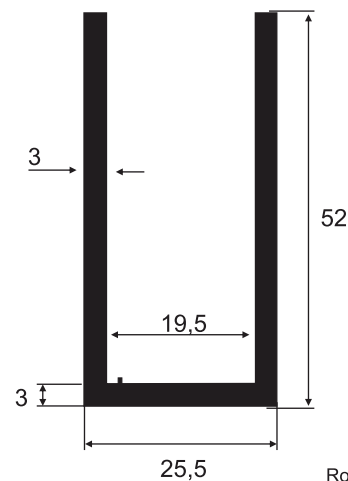
Rolo 25 m

5059 SBR 80 Sh A



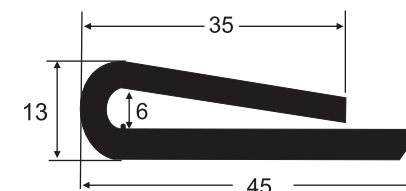
Rolo 25 m

5094 SBR 80 Sh A



Rolo 25 m

5048 EPDM 65 Sh A



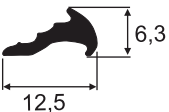
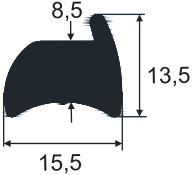
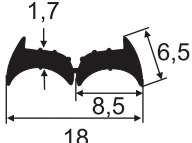
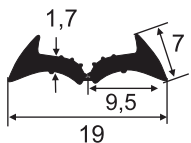
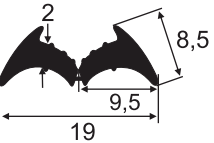
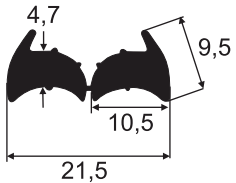
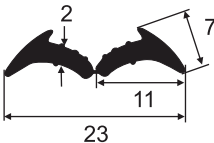
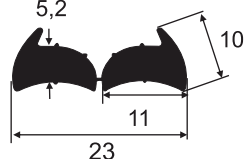
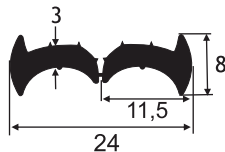
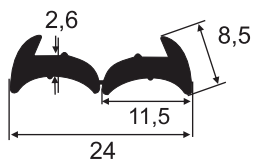
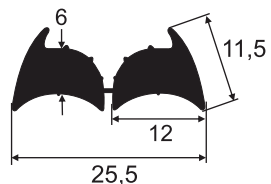
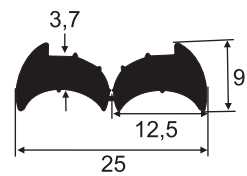
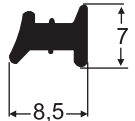
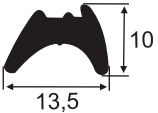
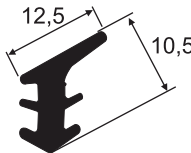
Rolo 25 m

* ITEM NOVO

LINHA 5.000 - ESQUADRIAS

C

10

5137 EPDM 75 Sh A  Rolo 100 m	5176 EPDM 70 Sh A  Rolo 50m	5099 SBR 70 Sh A  Rolo 100 m	5003 EPDM 70 Sh A  Rolo 100 m
5006 EPDM 70 Sh A  Rolo 100 m	5034 EPDM 70 Sh A 5102 SBR 70 Sh A  Rolo 100 m	5033 EPDM 70 Sh A 5101 SBR 70 Sh A  Rolo 100 m	5150 EPDM 70 Sh A  Rolo 50m
5032 EPDM 70 Sh A 5100 SBR 70 Sh A  Rolo 100 m	5092 EPDM 70 Sh A  Rolo 100 m	5149 EPDM 70 Sh A  Rolo 50 m	5124 EPDM 70 Sh A 5125 SBR 70 Sh A  Rolo 100 m
5001 SBR 70 Sh A  Rolo 100 m	5127 EPDM 70 Sh A  Rolo 100 m	5142 EPDM 75 Sh A  Rolo 100 m	

LINHA 5.000 - ESQUADRIAS

C

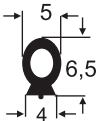
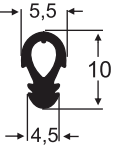
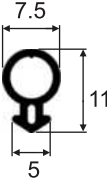
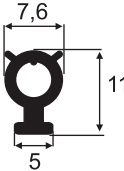
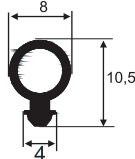
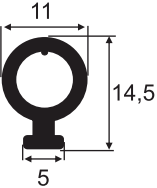
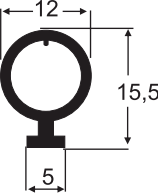
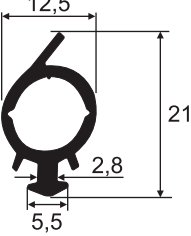
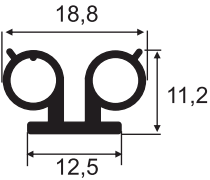
11

5007 SBR 70 Sh A Rolo 50 m	5008 SBR 70 Sh A Rolo 100 m	5049 EPDM 70 Sh A Rolo 50 m	5017 EPDM 70 Sh A Rolo 50 m
5014 EPDM 70Sh A Rolo 100 m	5089 EPDM 70 Sh A Rolo 100 m	5088 EPDM 70 Sh A Rolo 100 m	5064 SBR 70 Sh A Rolo 100 m
5004 SBR 70 Sh A Rolo 100 m	5110 SBR 70 Sh A Rolo 50 m	5182 EPDM 80 Sh A Rolo 50 m	5130 EPDM 80 Sh A Rolo 100 m
5111 EPDM 70 Sh A Rolo 25 m			

LINHA 5.000 - ESQUADRIAS

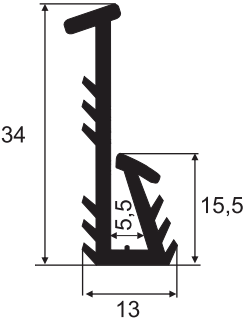
C

12

5061 EPDM 70 Sh A  Rolo 50 m	5079 EPDM 70 Sh A  Rolo 100 m	5135 EPDM 70 Sh A Vedação Esquadrias  Rolo 50 m	5134 EPDM 70 Sh A  Rolo 100 m
5162 EPDM 70 Sh A  Rolo 50 m	5132 EPDM 70 Sh A  Rolo 50 m	5093 EPDM 70 Sh A  Rolo 50 m	5144 EPDM 75 Sh A  Rolo 50 m
5133 EPDM 70 Sh A  Rolo 50 m	5170 EPDM 70 Sh A  Rolo 50 m		

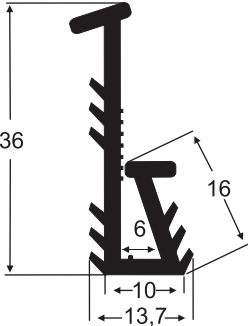
LINHA 5.000 - ESQUADRIAS

5118 EPDM 70 Sh A



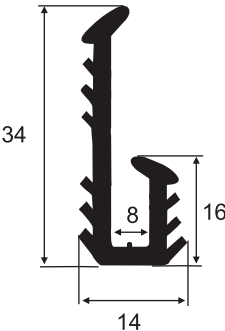
Rolo 25 m

5090 EPDM 70 Sh A



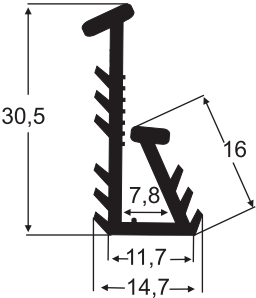
Rolo 25 m

5117 EPDM 70 Sh A



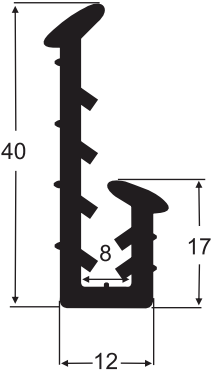
Rolo 25 m

5091 EPDM 70 Sh A



Rolo 25 m

5095 EPDM 70 Sh A

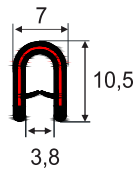
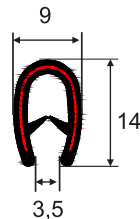
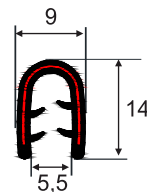
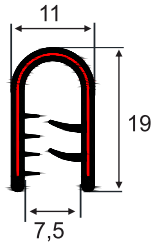


Rolo 25 m

LINHA 4000 - PERFIS DE ACABAMENTO **CASCA DE COBRA**

C

14

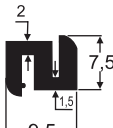
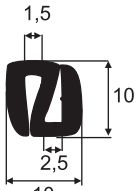
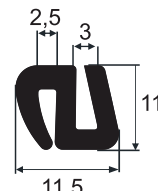
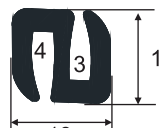
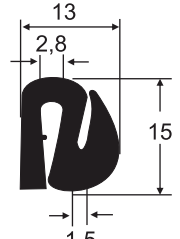
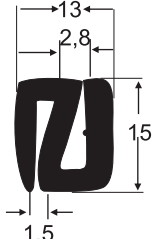
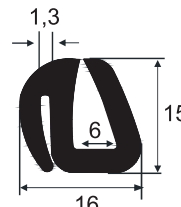
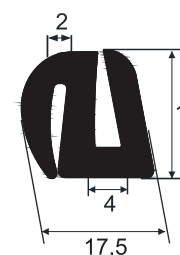
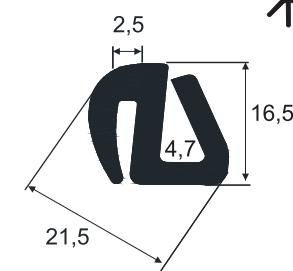
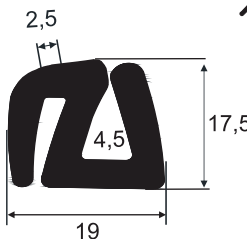
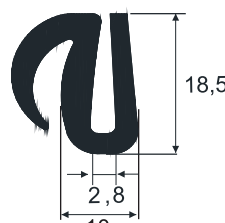
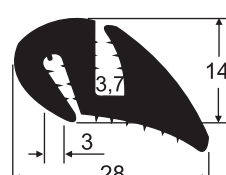
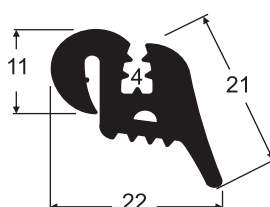
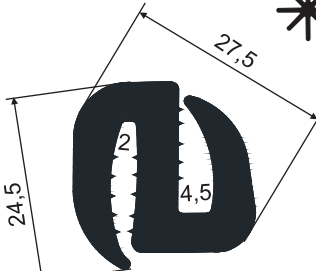
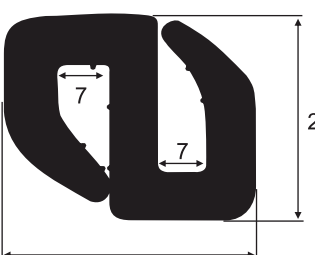
4000- PLÁSTICO PVC  Rolo 50 m	4001- PLÁSTICO PVC  Rolo 50 m	4002- PLÁSTICO PVC  Rolo 50 m
4003- PLÁSTICO PVC  Rolo 50 m		

* ITEM NOVO

LINHA 8.000 - GUARNIÇÕES

D

01

8018 SBR 70 Sh A  Rolo 50 m	8005 SBR 70 Sh A 8102 EPDM 70 Sh A  Rolo 50 m	8098 SBR 80 Sh A  Rolo 50 m	8085 NBR 65 Sh A  Rolo 50 m	8038 SBR 70 Sh A  Rolo 50 m
8015 SBR 60 Sh A  Rolo 50 m	8089 SBR 70 Sh A  Rolo 50 m	8090 SBR 70 Sh A  Rolo 50 m	8092 EPDM 80 Sh A  Rolo 25 m	8097 NBR 70 Sh A  Rolo 50 m
8086 SBR 70 Sh A  Rolo 50 m	8013 SBR 70 Sh A  Rolo 25 m	8007 SBR 60 Sh A  Rolo 25 m	8093 EPDM 70 Sh A  Rolo 25 m	8049 EPDM 70 Sh A  Rolo 25 m

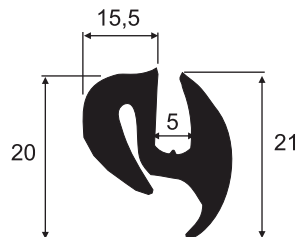
✱ ITEM NOVO

LINHA 8.000 - GUARNIÇÕES

D

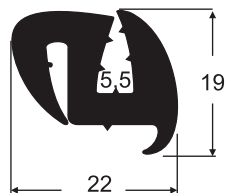
02

8054 SBR 60 Sh A



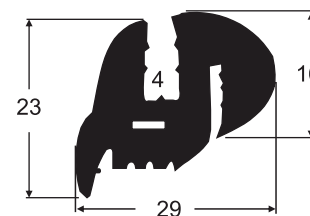
Rolo 25 m

8004 SBR 60 Sh A

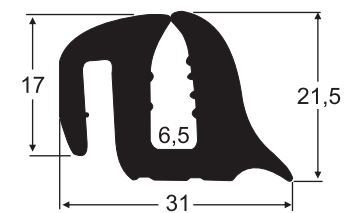


Rolo 25 m

8006 SBR 60 Sh A

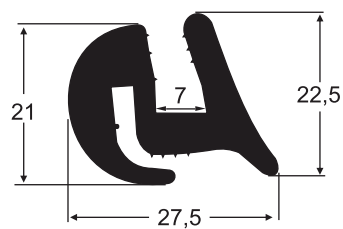


Rolo 25 m

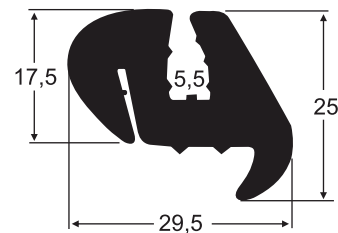
8027 EPDM 60 Sh A
Guarnição Vidro Colheidadeira


Rolo 25 m

8010 SBR 60 Sh A

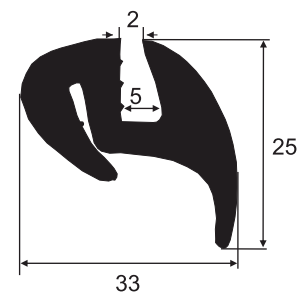


Rolo 25 m

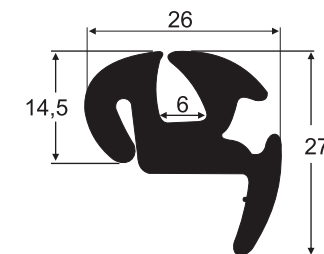
8019 SBR 60 Sh A
Vigia do Mercedes Benz


Rolo 25 m

8057 SBR 60 Sh A



Rolo 25 m

8030 SBR 60 Sh A
Vigia Central Scania


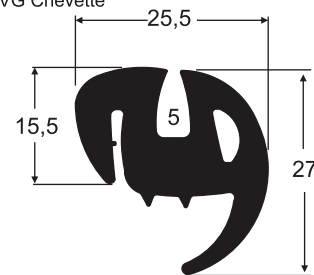
* Cunha 3101

Rolo 25 m

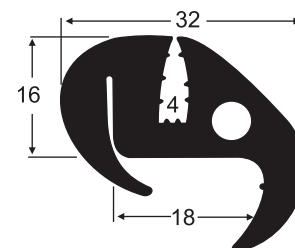
8076 SBR 60 Sh A



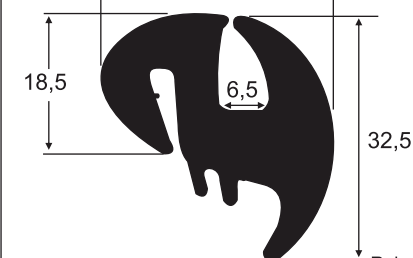
Rolo 25 m

8008 SBR 60 Sh A
PB/VG Chevette


Rolo 25 m

8026 EPDM 60 Sh A
Vidro Porta San Marino


Rolo 25 m

8028 SBR 60 Sh A
32

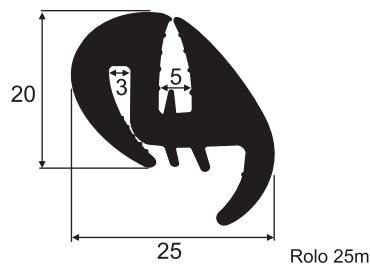
Rolo 25 m

LINHA 8.000 - GUARNIÇÕES

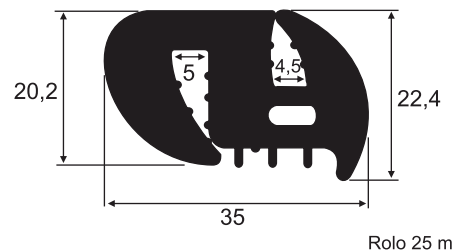
D

03

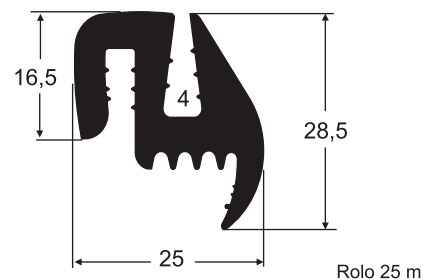
8081 SBR 70 Sh A



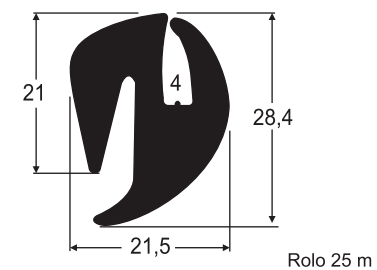
8077 SBR 60 Sh A



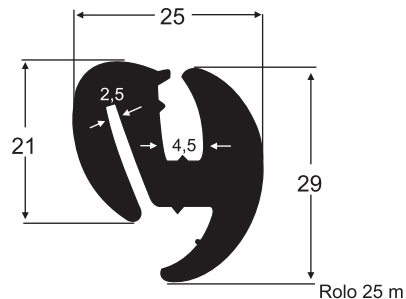
8012 SBR 60 Sh A



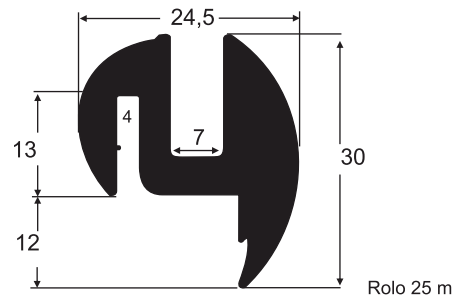
8046 SBR 60 Sh A



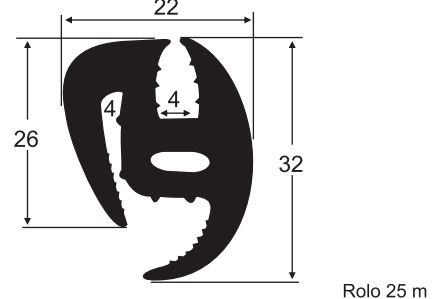
8045 SBR 70 Sh A



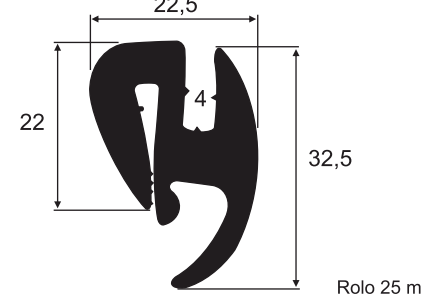
8043 EPDM 60 Sh A



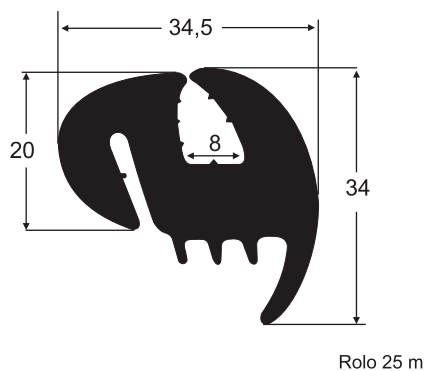
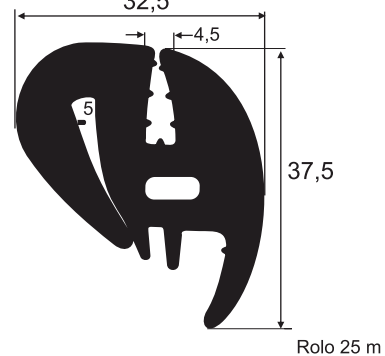
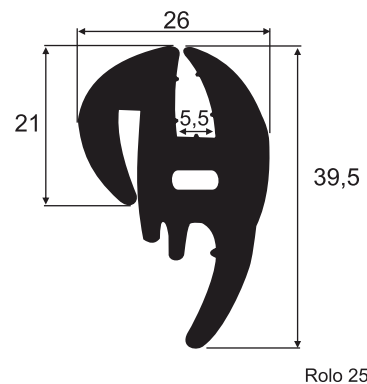
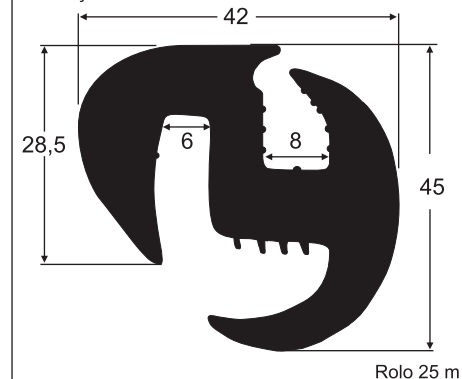
8041 SBR 60 Sh A



8070 SBR 60 Sh A



8029 SBR 60 Sh A


8021 SBR 60 Sh A
Parabrisa MB - HPN - FPN

8020 SBR 70 Sh A
Parabrisa Mercedes Ben Cabine Alta 75/89

8024 EPDM 70 Sh A
Guarnição Pára-brisa San Marino


LINHA 8.000 - GUARNIÇÕES

D

04

8034 SBR 60 Sh A Cunha 3102 Rolo 50 m	8058 SBR 60 Sh A Cunha 3101 Rolo 25m	8101 EPDM 70 Sh A Cunha 3460 Rolo 25m	8011 SBR 60 Sh A Cunha 3101 Rolo 25 m	8073 NBR 65 Sh A Cunha 3314 Rolo 25 m
8001 SBR 60 Sh A Cunha 3101 8083 EPDM 65 Sh A Cunha 3426 8084 EPDM 60 Sh A Cunha 3426 Rolo 25 m	8042 NBR 70 Sh A Cunha 3314 Rolo 25 m	8082 EPDM 70 Sh A Cunha 3460 Rolo 25 m	8014 SBR 60 Sh A Cunha 3101 Rolo 25 m	
8040 SBR 60 Sh A Cunha 3101 Rolo 25 m	8002 SBR 60 Sh A Cunha 3101 8078 EPDM 65 Sh A Cunha 3426 Rolo 25 m	8003 SBR 60 Sh A Cunha 3101 8091 EPDM 60 Sh A Cunha 3426 Rolo 25 m	8056 SBR 60 Sh A Cunha 3101 Rolo 25 m	

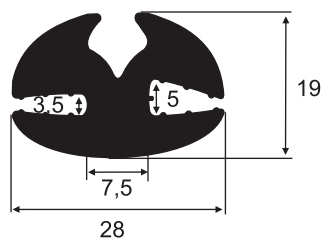
✱ ITEM NOVO

LINHA 8.000 - GUARNIÇÕES

D

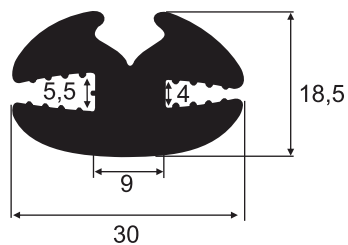
05

8059 SBR 60 Sh A Cunha 3101



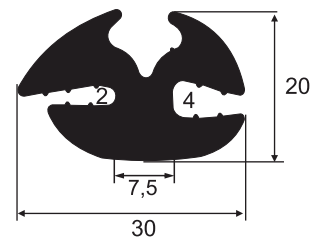
Rolo 25 m

8033 SBR 60 Sh A Cunha 3101



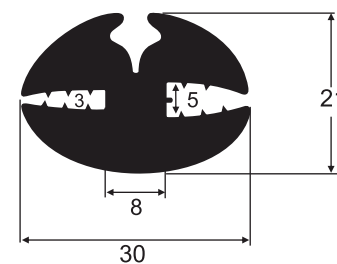
Rolo 25 m

8064 SBR 60 Sh A Cunha 3101



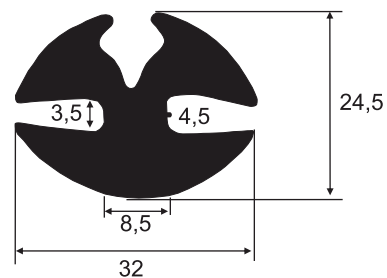
Rolo 25 m

8050 SBR 60 Sh A Cunha 3101



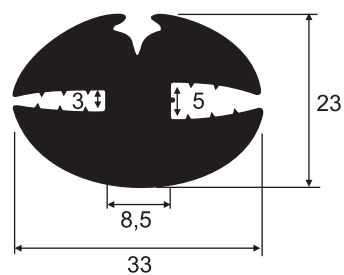
Rolo 25 m

8060 SBR 60 Sh A Cunha 3101



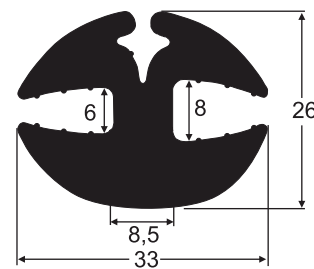
Rolo 25 m

8016 SBR 60 Sh A Cunha 3101



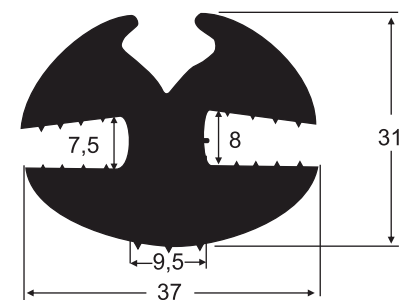
Rolo 25 m

8079 EPDM 70 Sh A Cunha 3426



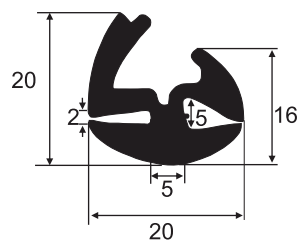
Rolo 25 m

8017 SBR 60 Sh A Cunha 3119



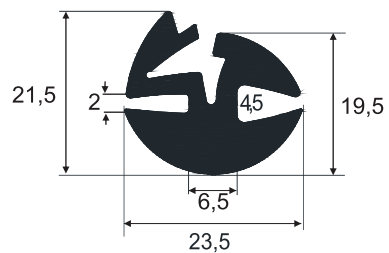
Rolo 25 m

8037 SBR 70 Sh A



Rolo 25 m

8088 SBR 65 Sh A



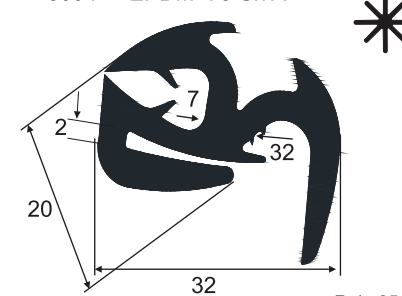
Rolo 25 m

8096 SBR 65 Sh A



Rolo 25 m

8094 EPDM 75 Sh A



Rolo 25 m

* ITEM NOVO

LINHA 8.000 - GUARNIÇÕES

D 06

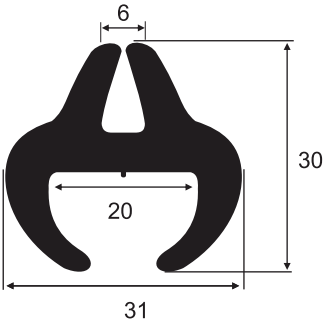
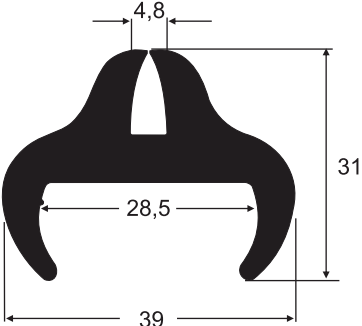
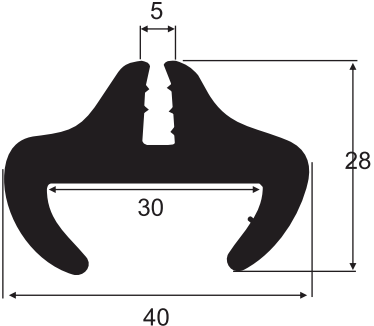
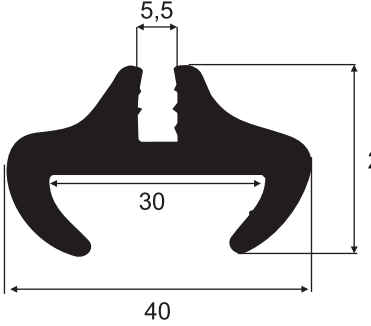
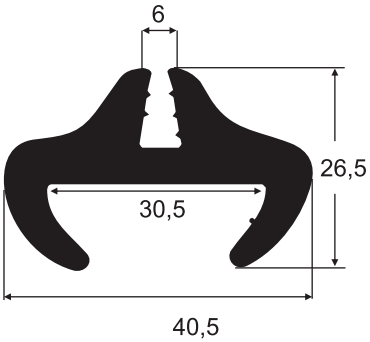
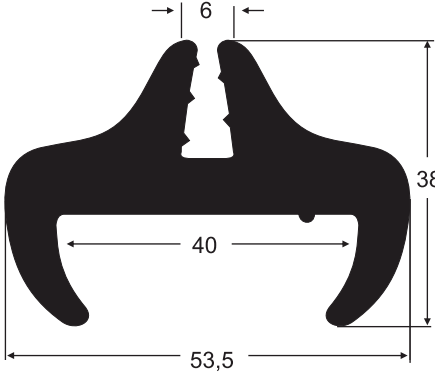
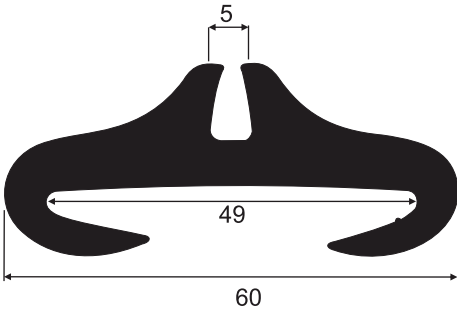
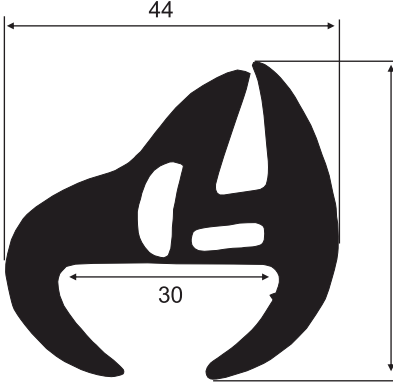
8100 SBR 70 Sh A Rolo 25m	8071 SBR 70 Sh A Rolo 25m	8067 SBR 60 Sh A Rolo 25 m	8009 SBR 60 Sh A Rolo 25 m
8036 SBR 70 Sh A Rolo 25 m	8025 EPDM 60 Sh A Rolo 25 m	8023 EPDM 60 Sh A Rolo 25 m	8035 SBR 60 Sh A Rolo 50 m
8087 EPDM 70 Sh A Rolo 32 m	8072 SBR 60 Sh A Rolo 25 m	8044 SBR 70 Sh A Rolo 25 m	8052 SBR 60 Sh A Rolo 25 m

* ITEM NOVO

LINHA 8.000 - GUARNIÇÕES

D

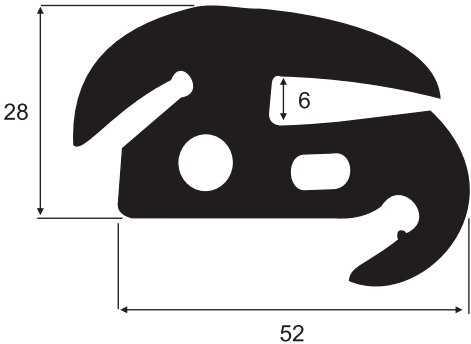
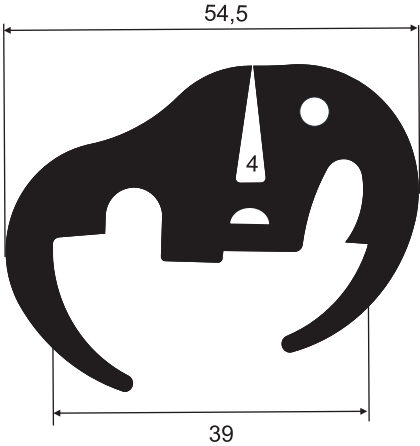
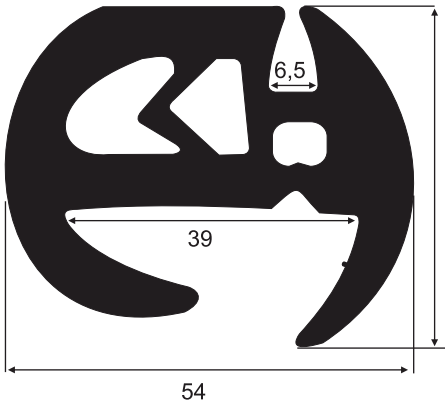
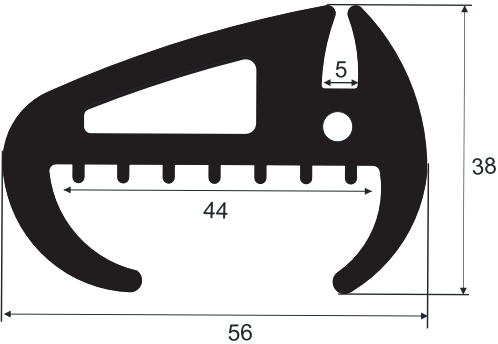
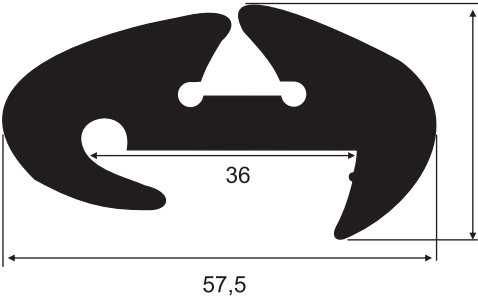
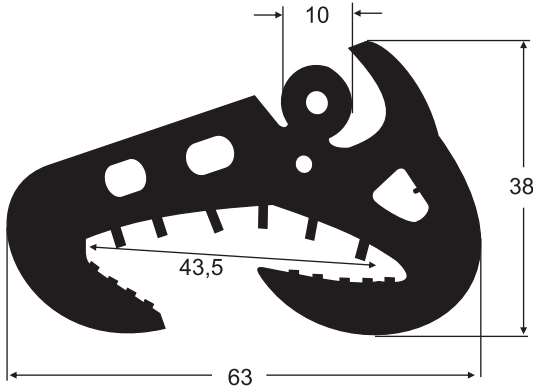
07

8055 SBR 60 Sh A Vedação Cabine Máq. Agrícola/Ônibus  Rolo 25 m	8080 SBR 60 Sh A Vedação Lateral Cabine Trator  Rolo 30 m	8062 SBR 70 Sh A 8031 SBR 60 Sh A Vedação Cabine Máq. Agrícola/Ônibus  Rolo 25 m	8075 SBR 60 Sh A Vedação Cabine Máq. Agrícola/Ônibus  Rolo 25 m
8069 SBR 70 Sh A Vedação Cabine Máq. Agrícola/Ônibus  Rolo 25 m	8048 SBR 60 Sh A Vedação Cabine Máq. Agrícola/Ônibus  Rolo 25 m	8068 SBR 70 Sh A  Rolo 25 m	8061 EPDM 60 Sh A  Rolo 25 m

LINHA 8.000 - GUARNIÇÕES

D

08

8053 SBR 60 Sh A Vedação Cabine Máq. Agrícola  Rolo 25 m	8095 EPDM 70 Sh A  Rolo 25 m	8022 EPDM 70 Sh A Guarnição de Janela San Marino - Ônibus  Rolo 25 m
8099 EPDM 65 Sh A  Rolo 25 m	8051 SBR 60 Sh A Vedação Cabine Máq. Agrícola  Rolo 25 m	8039 EPDM 60 Sh A Janela Lateral Comil - Ônibus  Rolo 25 m

* ITEM NOVO

LINHA 8.000 - AROS DE RODA

D

09

8063 SBR 60 Sh A Aro de Roda Ônibus Neobus, MP Senior, MP Torino GV MP Rodoviário GV Rolo 25 m	8032 SBR 60 Sh A Aro de Roda ônibus Caio, Comil, Metalbus e Thanco Rolo 25 m	8065 SBR 60 Sh A Aro de Roda ônibus MP Rodov. Torino GIV Rolo 25 m
8066 SBR 60 Sh A Aro de Roda Ônibus Ciferal Padron, MP Rodov GIV, Torino GIV e GV Rolo 25 m		



CIEMA COMÉRCIO DE BORRACHAS LTDA

Rua São João, 282 E, Centro | **Chapecó-SC**

49 3322 4311 | www.ciema.com.br

Vendas |  **49 98870 4498**