



# **camitec**

**Cañellas y Micolau S.A.**

**Catálogo/Catàleg/Catalogue/Catalogue**

- Arandelas de caucho**
- Volanderes de catxú**
- Rubber Washers**
- Rondelles caoutchouc**

# ARANDELAS



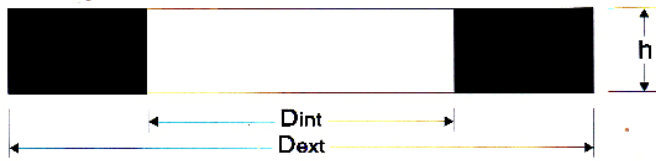
## Medidas:

$D_{ext}$  ..... diámetro exterior  
 $D_{int}$  ..... diámetro interior  
 $h$  ..... altura  
 $ag$  ..... número de agujeros

Referencia	$D_{ext}$	$D_{int}$	$h$	$ag$	Referencia	$D_{ext}$	$D_{int}$	$h$	$ag$	Referencia	$D_{ext}$	$D_{int}$	$h$	$ag$
SAR00200040	4.0	2.0	5.5		SAR00400120	12.0	4.0	2.0		SAR00800150	15.0	8.0	3.0	
SAR00200050	5.0	2.0	2.0		SAR00500120	12.0	5.0	1.0		SAR00830150	15.0	8.3	6.5	
SAR00000059	5.9	0.0	2.5		SAR00550120	12.0	5.5	3.0		SAR00830151	15.0	8.3	15.0	
SAR00300060	6.0	3.0	1.5		SAR00800120	12.0	8.0	1.8		SAR00850150	15.0	8.5	2.5	
SAR00250070	7.0	2.5	2.0		SAR00800121	12.0	8.0	2.0		SAR00900150	15.0	9.0	64.0	
SAR00400070	7.0	4.0	8.5		SAR00650125	12.5	6.5	10.5		SAR01000150	15.0	10.0	8.0	
SAR00180075	7.5	1.8	3.0		SAR00800125	12.5	8.0	2.0		SAR00650155	15.5	6.5	25.0	
SAR00500080	8.0	5.0	1.5		SAR00800126	12.5	8.0	11.0		SAR00880156	15.6	8.8	4.0	
SAR00600080	8.0	6.0	3.0		SAR00620127	12.7	6.2	3.2		SAR01300158	15.8	13.0	1.5	
SAR00500083	8.3	5.0	22.0		SAR00000130	13.0	0.0	5.0		SAR00550160	16.0	5.5	4.0	
SAR00400084	8.4	4.0	2.0		SAR00500130	13.0	5.0	50.0		SAR00600160	16.0	6.0	2.0	
SAR00420085	8.5	4.2	2.0		SAR00700130	13.0	7.0	5.0		SAR00780160	16.0	7.8	4.0	
SAR00430089	8.9	4.3	1.2		SAR00800130	13.0	8.0	2.0		SAR00800160	16.0	8.0	2.0	
SAR00000090	9.0	0.0	3.5		SAR00800131	13.0	8.0	5.0		SAR00830160	16.0	8.3	2.1	
SAR00500090	9.0	5.0	25.0		SAR00560131	13.1	5.6	2.1		SAR01200160	16.0	12.0	1.5	
SAR00380095	9.5	3.8	14.0		SAR00600135	13.5	6.0	7.0		SAR00900165	16.5	9.0	5.5	
SAR00000100	10.0	0.0	6.5		SAR00700135	13.5	7.0	5.5		SAR00900166	16.5	9.0	6.0	
SAR000001002	10.0	0.0	18.0		SAR00700136	13.5	7.0	6.0		SAR00900170	17.0	9.0	11.0	
SAR00400100	10.0	4.0	3.0		SAR00950135	13.5	9.5	1.2		SAR00900171	17.0	9.0	14.0	
SAR00500100	10.0	5.0	1.0		SAR00610137	13.7	6.1	4.7		SAR01000170	17.0	10.0	4.5	
SAR00500101	10.0	5.0	2.2		SAR00650137	13.7	6.5	2.5		SAR01000171	17.0	10.0	15.0	
SAR00500102	10.0	5.0	6.0		SAR00250140	14.0	2.5	1.6		SAR01200170	17.0	12.0	3.5	
SAR00450105	10.5	4.5	4.5		SAR00640140	14.0	6.4	1.6		SAR01300170	17.0	13.0	12.0	
SAR00500105	10.5	5.0	5.0		SAR00680140	14.0	6.8	4.5		SAR01400170	17.0	14.0	6.0	
SAR00750105	10.5	7.5	5.0		SAR00800140	14.0	8.0	3.0		SAR01000175	17.5	10.0	8.0	
SAR00490108	10.8	4.9	5.0		SAR01000140	14.0	10.0	2.6		SAR01250175	17.5	12.5	70.0	
SAR00450110	11.0	4.5	1.0		SAR01100140	14.0	11.0	12.4		SAR01300175	17.5	13.0	51.5	
SAR00450111	11.0	4.5	2.0		SAR00920143	14.3	9.2	2.3		SAR00000180	18.0	0.0	10.0	
SAR00500110	11.0	5.0	1.0		SAR00820146	14.6	8.2	109.0		SAR00550180	18.0	5.5	4.0	
SAR00570110	11.0	5.7	7.5		SAR00870147	14.7	8.7	5.0		SAR00800180	18.0	8.0	4.5	
SAR00600110	11.0	6.0	1.2		SAR00990149	14.9	9.9	7.4		SAR01150180	18.0	11.5	13.0	
SAR00700111	11.0	7.0	85.0		SAR00000150	15.0	0.0	4.0		SAR01200180	18.0	12.0	10.0	
SAR00750110	11.0	7.5	21.0		SAR00000151	15.0	0.0	5.0		SAR01300180	18.0	13.0	3.5	
SAR00550116	11.5	5.5	9.0		SAR00000152	15.0	0.0	25.0		SAR01400180	18.0	14.0	2.0	
SAR00600115	11.5	6.0	6.5		SAR00300150	15.0	3.0	3.0		SAR01600180	18.0	16.0	30.0	
SAR00800115	11.5	8.0	2.0		SAR00440150	15.0	4.4	5.0		SAR01070183	18.3	10.7	4.0	
SAR00850115	11.5	8.5	1.0		SAR00550150	15.0	5.5	4.5		SAR00000190	19.0	0.0	20.0	
SAR00850116	11.5	8.5	21.5		SAR00600150	15.0	6.0	4.0		SAR00400190	19.0	4.0	1.0	
SAR00000120	12.0	0.0	4.0		SAR00600152	15.0	6.0	15.0		SAR00400191	19.0	4.0	2.0	
SAR00000121	12.0	0.0	4.5		SAR00600153	15.0	6.0	20.0		SAR00450190	19.0	4.5	2.0	
SAR00000123	12.0	0.0	7.0		SAR00600154	15.0	6.0	24.0		SAR00550190	19.0	5.5	2.1	
SAR00000124	12.0	0.0	15.0		SAR00700150	15.0	7.0	14.0		SAR00850190	19.0	8.5	2.0	

Referencia	D <sub>ext</sub>	D <sub>int</sub>	h ag	Referencia	D <sub>ext</sub>	D <sub>int</sub>	h ag	Referencia	D <sub>ext</sub>	D <sub>int</sub>	h ag
SAR00950190	19.0	9.5	8.0	SAR01800220	22.0	18.0	5.0	SAR02100265	26.5	21.0	3.0
SAR01000190	19.0	10.0	2.0	SAR01270222	22.2	12.7	3.2	SAR00750270	27.0	7.5	2.3
SAR01300190	19.0	13.0	1.5	SAR01320222	22.2	13.2	7.0	SAR01300270	27.0	13.0	10.0
SAR01400190	19.0	14.0	2.0	SAR01550225	22.5	15.5	11.0	SAR01600270	27.0	16.0	20.0
SAR00800192	19.2	8.0	2.0	SAR01850225	22.5	18.5	5.0	SAR01800270	27.0	18.0	15.0
SAR01000195	19.5	10.0	4.5	SAR01000230	23.0	10.0	21.0	SAR01900270	27.0	19.0	5.0
SAR00000200	20.0	0.0	28.0	SAR01200230	23.0	12.0	2.5	SAR02000270	27.0	20.0	13.0
SAR00350200	20.0	3.5	10.0	SAR01250230	23.0	12.5	27.5	SAR02080270	27.0	20.8	2.0
SAR00600200	20.0	6.0	4.0	SAR01500230	23.0	15.0	2.0	SAR02120272	27.2	21.2	3.0
SAR00700200	20.0	7.0	2.0	SAR01590230	23.0	15.9	30.0	SAR00500278	27.8	5.0	5.0
SAR00850200	20.0	8.5	70.0	SAR01200232	23.2	12.0	5.7	SAR01200280	28.0	12.0	2.0
SAR01000200	20.0	10.0	3.0	SAR01200233	23.3	12.0	22.0	SAR01200281	28.0	12.0	34.0
SAR01000201	20.0	10.0	4.0	SAR00550235	23.5	5.5	2.0	SAR01300280	28.0	13.0	3.0
SAR01000202	20.0	10.0	50.0	SAR01800235	23.5	18.0	3.0	SAR01350280	28.0	13.5	10.0
SAR01000203	20.0	10.0	100.0	SAR00000240	24.0	0.0	7.0	SAR01500280	28.0	15.0	3.0
SAR01100200	20.0	11.0	2.0	SAR00720240	24.0	7.2	3.5	SAR01500281	28.0	15.0	10.0
SAR01100201	20.0	11.0	3.0	SAR00800240	24.0	8.0	20.0	SAR01550280	28.0	15.5	2.7
SAR01100202	20.0	11.0	20.0	SAR01200240	24.0	12.0	0.5	SAR01600280	28.0	16.0	12.0
SAR01100203	20.0	11.0	22.0	SAR01200242	24.0	12.0	10.0	SAR01600281	28.0	16.0	32.0
SAR01150200	20.0	11.5	6.5	SAR01400240	24.0	14.0	2.5	SAR01800280	28.0	18.0	3.0
SAR01200200	20.0	12.0	3.0	SAR01600240	24.0	16.0	2.0	SAR01900280	28.0	19.0	1.5
SAR01200202	20.0	12.0	15.0	SAR01700240	24.0	17.0	2.0	SAR02000280	28.0	20.0	4.0
SAR01250200	20.0	12.5	20.0	SAR00900242	24.2	9.0	5.0	SAR02700280	28.0	27.0	7.0
SAR01260200	20.0	12.6	4.6	SAR01870224	24.4	18.7	4.1	SAR01200282	28.2	12.0	14.5
SAR01300200	20.0	13.0	4.5	SAR01250245	24.5	12.5	22.8	SAR02320282	28.2	23.2	3.0
SAR01300202	20.0	13.0	7.0	SAR01400245	24.5	14.0	3.0	SAR02160286	28.6	21.6	2.8
SAR01400200	20.0	14.0	4.0	SAR01400246	24.5	14.0	4.0	SAR01600290	29.0	16.0	18.0
SAR01400201	20.0	14.0	7.0	SAR00000250	25.0	0.0	7.0	SAR01750290	29.0	17.5	14.0
SAR01580200	20.0	15.8	1.0	SAR00800250	25.0	8.0	3.0	SAR02400290	29.0	24.0	1.4
SAR01650200	20.0	16.5	15.5	SAR00900252	25.0	9.0	2.0	SAR00630293	29.3	6.3	1.5
SAR00000205	20.5	0.0	18.0	SAR01000250	25.0	10.0	6.5	SAR01400295	29.5	14.0	10.5
SAR00400205	20.5	4.0	10.0	SAR01050250	25.0	10.5	50.0	SAR00000300	30.0	0.0	105.0
SAR00620208	20.8	6.2	5.5	SAR01100250	25.0	11.0	3.0	SAR00700300	30.0	7.0	5.0
SAR00520210	21.0	5.2	3.0	SAR01500250	25.0	15.0	4.0	SAR00700302	30.0	7.0	30.0
SAR00900210	21.0	9.0	1.5	SAR01500251	25.0	15.0	15.0	SAR00750300	30.0	7.5	30.0
SAR01000210	21.0	10.0	5.0	SAR01600250	25.0	16.0	3.0	SAR00800300	30.0	8.0	15.0
SAR01800210	21.0	18.0	70.0	SAR01700250	25.0	17.0	1.0	SAR00800303	30.0	8.0	30.0
SAR01900210	21.0	19.0	10.0	SAR01800251	25.0	18.0	4.0	SAR00850300	30.0	8.5	3.0
SAR01050215	21.5	10.5	10.0	SAR01200255	25.5	12.0	10.0	SAR01000300	30.0	10.0	5.0
SAR01550215	21.5	15.5	10.5	SAR00900256	25.6	9.0	2.0	SAR01100300	30.0	11.0	5.5
SAR01600215	21.5	16.0	8.0	SAR01100260	26.0	11.0	4.0	SAR01100302	30.0	11.0	16.0
SAR00600220	22.0	6.0	2.0	SAR01100263	26.0	11.0	26.0	SAR01300300	30.0	13.0	13.0
SAR00900220	22.0	9.0	10.0	SAR01200260	26.0	12.0	20.0	SAR01400300	30.0	14.0	3.5
SAR01000220	22.0	10.0	6.0	SAR01300260	26.0	13.0	26.0	SAR01400301	30.0	14.0	10.0
SAR01020220	22.0	10.2	20.0	SAR01500260	26.0	15.0	4.0	SAR01500300	30.0	15.0	4.0
SAR01100220	22.0	11.0	6.0	SAR01500261	26.0	15.0	5.0	SAR01600300	30.0	16.0	30.0
SAR01200220	22.0	12.0	15.0	SAR01800260	26.0	18.0	7.0	SAR01600303	30.0	16.0	45.0
SAR01400220	22.0	14.0	4.0	SAR02000260	26.0	20.0	8.0	SAR01650300	30.0	16.5	31.0
SAR01400223	22.0	14.0	25.0	SAR02150260	26.0	21.5	15.2	SAR01800300	30.0	18.0	31.0
SAR01600221	22.0	16.0	4.5	SAR02150261	26.0	21.5	15.5	SAR02000300	30.0	20.0	3.0
SAR01600222	22.0	16.0	10.0	SAR01400265	26.5	14.0	4.3	SAR02000301	30.0	20.0	5.0

# ARANDELAS



## Medidas:

$D_{ext}$  ..... diámetro exterior  
 $D_{int}$  ..... diámetro interior  
 $h$  ..... altura  
 $ag$  ..... número de agujeros

**Referencia**     **$D_{ext}$**      **$D_{int}$**      **$h$**      **$ag$**

SAR02200300    30.0    22.0    4.0  
 SAR02400300    30.0    24.0    2.5  
 SAR02350305    30.5    23.5    2.4  
 SAR00000306    30.6    0.0    2.5  
 SAR00000310    31.0    0.0    16.0  
 SAR01400310    31.0    14.0    3.0  
 SAR01740315    31.5    17.4    40.0  
 SAR02680318    31.8    26.8    3.5  
 SAR00700320    32.0    7.0    34.0  
 SAR01500320    32.0    15.0    32.0

SAR01900320    32.0    19.0    2.0  
 SAR02100320    32.0    21.0    20.0  
 SAR02200320    32.0    22.0    6.5  
 SAR02200321    32.0    22.0    8.0  
 SAR02600320    32.0    26.0    20.0  
 SAR01920327    32.7    19.2    2.0  
 SAR02850328    32.8    28.5    3.0  
 SAR01700330    33.0    17.0    3.5  
 SAR01700331    33.0    17.0    22.0  
 SAR02400330    33.0    24.0    4.0

SAR02500330    33.0    25.0    10.0  
 SAR02600330    33.0    26.0    3.0  
 SAR01400335    33.5    14.0    3.0  
 SAR01400340    34.0    14.0    30.0  
 SAR01800340    34.0    18.0    35.0  
 SAR01800342    34.0    18.0    41.0  
 SAR02000340    34.0    20.0    35.0  
 SAR02350340    34.0    23.5    3.0  
 SAR02600340    34.0    26.0    5.0  
 SAR02430343    34.3    24.3    2.6

SAR02600348    34.8    26.0    3.0  
 SAR00000350    35.0    0.0    32.0  
 SAR00800350    35.0    8.0    3.0  
 SAR01600350    35.0    16.0    4.0  
 SAR01650350    35.0    16.5    9.0  
 SAR01700350    35.0    17.0    20.0  
 SAR01800351    35.0    18.0    6.0  
 SAR02000350    35.0    20.0    8.0  
 SAR02150350    35.0    21.5    36.0  
 SAR02400350    35.0    24.0    6.0  
 SAR02500350    35.0    25.0    2.0  
 SAR02700350    35.0    27.0    2.5

**Referencia**     **$D_{ext}$**      **$D_{int}$**      **$h$**      **$ag$**

SAR02800350    35.0    28.0    4.5  
 SAR02800350    35.0    28.0    6.0  
 SAR02900350    35.0    29.0    70.0  
 SAR02450356    35.5    24.5    10.0  
 SAR02450355    35.5    24.5    2.0  
 SAR02550355    35.5    25.5    2.5  
 SAR02500358    35.8    25.0    10.0  
 SAR01220360    36.0    12.2    46.0  
 SAR02200360    36.0    22.0    4.0  
 SAR02200361    36.0    22.0    5.0

SAR02300360    36.0    23.0    6.5  
 SAR02300361    36.0    23.0    7.0  
 SAR02500360    36.0    25.0    15.0  
 SAR02600360    36.0    26.0    6.2  
 SAR03000360    36.0    30.0    4.0  
 SAR03000361    36.0    30.0    7.0  
 SAR03000362    36.0    30.0    8.0  
 SAR01900365    36.5    19.0    24.0  
 SAR02100365    36.5    21.0    30.0  
 SAR01600370    37.0    16.0    10.0

SAR01900370    37.0    19.0    8.0  
 SAR02100370    37.0    21.0    6.0  
 SAR02800370    37.0    28.0    4.0  
 SAR02900370    37.0    29.0    6.5  
 SAR03100370    37.0    31.0    20.0  
 SAR03500370    37.0    35.0    1.1  
 SAR03500372    37.0    35.0    35.0  
 SAR02620373    37.3    26.2    5.7  
 SAR03430377    37.7    34.3    0.5  
 SAR01350380    38.0    13.5    39.0

SAR01850380    38.0    18.5    4.0  
 SAR02000380    38.0    20.0    5.0  
 SAR02000381    38.0    20.0    9.0  
 SAR02200380    38.0    22.0    2.0  
 SAR02550380    38.0    25.5    3.0  
 SAR02700380    38.0    27.0    5.5  
 SAR02900380    38.0    29.0    3.0  
 SAR02900383    38.0    29.0    65.0  
 SAR02950380    38.0    29.5    2.0  
 SAR03200380    38.0    32.0    1.0  
 SAR02800384    38.4    28.0    4.0  
 SAR03560387    38.7    35.6    1.6

**Referencia**     **$D_{ext}$**      **$D_{int}$**      **$h$**      **$ag$**

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 SAR01300390    39.0    13.0    25.0  
 SAR02100390    39.0    21.0    8.0  
 SAR02700390    39.0    27.0    3.0  
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 SAR02900394    39.4    29.0    13.5  
 SAR02680397    39.7    26.8    6.5  
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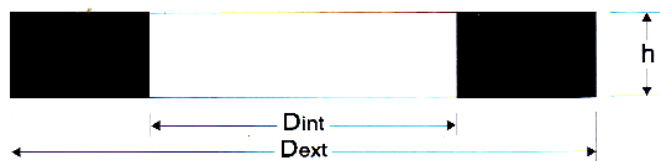
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 SAR02170400    40.0    21.7    10.0  
 SAR02200400    40.0    22.0    34.0  
 SAR02350400    40.0    23.5    10.0  
 SAR02700400    40.0    27.0    3.0

SAR02700401    40.0    27.0    4.0  
 SAR02700402    40.0    27.0    5.0  
 SAR02800400    40.0    28.0    8.0  
 SAR02950400    40.0    29.5    5.0  
 SAR03000400    40.0    30.0    6.0  
 SAR03000402    40.0    30.0    14.0  
 SAR03000403    40.0    30.0    20.0  
 SAR03450403    40.3    34.5    3.5  
 SAR02400405    40.5    24.0    8.0  
 SAR01500410    41.0    15.0    10.0

SAR01980410    41.0    19.8    7.2  
 SAR03100410    41.0    31.0    11.0  
 SAR02000420    42.0    20.0    5.0  
 SAR02500420    42.0    25.0    8.0  
 SAR02800420    42.0    28.0    6.0  
 SAR03000420    42.0    30.0    4.0  
 SAR03000421    42.0    30.0    2.5  
 SAR03500420    42.0    35.0    2.7  
 SAR03600420    42.0    36.0    4.0  
 SAR04000420    42.0    40.0    2.5  
 SAR03250425    42.5    32.5    4.0  
 SAR01800430    43.0    18.0    9.5

Referencia	D <sub>ext</sub>	D <sub>int</sub>	h ag	Referencia	D <sub>ext</sub>	D <sub>int</sub>	h ag	Referencia	D <sub>ext</sub>	D <sub>int</sub>	h ag
SAR03200430	43.0	32.0	1.0	SAR03900490	49.0	39.0	1.0	SAR03200550	55.0	32.0	8.0
SAR03300431	43.0	33.0	5.0	SAR03700492	49.2	37.0	6.0	SAR04150550	55.0	41.5	4.5
SAR03320432	43.2	33.2	4.0	SAR02750495	49.5	27.5	8.0	SAR05200550	55.0	52.0	5.0
SAR03600435	43.5	36.0	2.2	SAR01000500	50.0	10.0	8.0	SAR05030551	55.1	50.3	2.4
SAR02000440	44.0	20.0	26.5	SAR01000503	50.0	10.0	45.0	SAR04050555	55.5	40.5	3.0
SAR02100440	44.0	21.0	36.0	SAR01200502	50.0	12.0	41.0	SAR01200560	56.0	12.0	4.0
SAR02600440	44.0	26.0	36.0	SAR01500500	50.0	15.0	3.0	SAR03000560	56.0	30.0	10.0
SAR03200440	44.0	32.0	3.0	SAR02000500	50.0	20.0	2.0	SAR03500560	56.0	35.0	6.0
SAR03200443	44.0	32.0	47.0	SAR02500500	50.0	25.0	5.0	SAR03600560	56.0	36.0	6.0
SAR03300440	44.0	33.0	3.0	SAR02500501	50.0	25.0	25.0	SAR05000560	56.0	50.0	3.5
SAR03600440	44.0	36.0	2.5	SAR02800500	50.0	28.0	8.0	SAR04000562	56.2	40.0	50.0
SAR03700440	44.0	37.0	2.0	SAR03000500	50.0	30.0	6.0	SAR00800565	56.5	8.0	3.0
SAR03800440	44.0	38.0	2.0	SAR03000501	50.0	30.0	12.0	SAR04800570	57.0	48.0	9.0
SAR00000451	45.0	0.0	22.0	SAR03000502	50.0	30.0	15.0	SAR04000580	58.0	40.0	3.0
SAR00850450	45.0	8.5	2.2	SAR03000503	50.0	30.0	40.0	SAR04600580	58.0	46.0	7.0
SAR02000450	45.0	20.0	3.0	SAR03000504	50.0	30.0	41.0	SAR04750580	58.0	47.5	4.9
SAR020004502	45.0	20.0	5.3	SAR03100500	50.0	31.0	6.0	SAR04800580	58.0	48.0	10.0
SAR02300450	45.0	23.0	3.5	SAR03100501	50.0	31.0	12.0	SAR04850585	58.5	48.5	3.0
SAR02300451	45.0	23.0	6.0	SAR03300500	50.0	33.0	8.0	SAR01780590	59.0	17.8	13.5
SAR02450450	45.0	24.5	5.0	SAR03400500	50.0	34.0	17.0	SAR04600590	59.0	46.0	2.5
SAR02450451	45.0	24.5	15.0	SAR03500500	50.0	35.0	17.5	SAR04850595	59.5	48.5	4.0
SAR02500450	45.0	25.0	5.0	SAR03670500	50.0	36.7	1.9	SAR01300600	60.0	13.0	15.0
SAR02500451	45.0	25.0	15.0	SAR03670501	50.0	36.7	3.0	SAR01300601	60.0	13.0	20.0
SAR02800450	45.0	28.0	6.0	SAR04000500	50.0	40.0	2.5	SAR02300600	60.0	23.0	15.0
SAR03000450	45.0	30.0	4.5	SAR04100500	50.0	41.0	10.0	SAR02500600	60.0	25.0	2.0
SAR03300450	45.0	33.0	2.5	SAR04200500	50.0	42.0	2.5	SAR04000600	60.0	40.0	4.0
SAR03400450	45.0	34.0	2.0	SAR04640500	50.0	46.4	1.7	SAR04200600	60.0	42.0	3.0
SAR03500450	45.0	35.0	4.5	SAR04100505	50.5	41.0	1.3	SAR04480600	60.0	44.8	14.6
SAR03500451	45.0	35.0	6.5	SAR02480506	50.6	24.8	7.8	SAR04800600	60.0	48.0	3.0
SAR03500452	45.0	35.0	10.0	SAR02650510	51.0	26.5	3.5	SAR04900600	60.0	49.0	5.5
SAR03700450	45.0	37.0	4.0	SAR02700510	51.0	27.0	46.0	SAR05300600	60.0	53.0	3.5
SAR04000450	45.0	40.0	60.0	SAR04440510	51.0	44.4	2.0	SAR05400600	60.0	54.0	2.0
SAR02350452	45.2	23.5	8.8	SAR03400515	51.5	34.0	5.0	SAR05650605	60.5	56.5	22.0
SAR04100455	45.5	41.0	2.3	SAR02500520	52.0	25.0	45.0	SAR02500610	61.0	25.0	3.0
SAR01860458	45.8	18.6	13.6	SAR03000520	52.0	30.0	3.0	SAR03400610	61.0	34.0	9.0
SAR01800460	46.0	18.0	8.0	SAR04100520	52.0	41.0	1.6	SAR04000610	61.0	40.0	1.5
SAR02300460	46.0	23.0	12.0	SAR04500520	52.0	45.0	3.0	SAR04600610	61.0	46.0	8.5
SAR03440460	46.0	34.4	3.3	SAR03200525	52.5	32.0	40.0	SAR04700610	61.0	47.0	4.3
SAR04000460	46.0	40.0	3.0	SAR02600530	53.0	26.0	4.0	SAR04900610	61.0	49.0	6.0
SAR03000470	47.0	30.0	4.0	SAR02600531	53.0	26.0	5.0	SAR05200610	61.0	52.0	4.0
SAR03500470	47.0	35.0	10.0	SAR03000530	53.0	30.0	4.0	SAR03400615	61.5	34.0	2.6
SAR03600472	47.2	36.0	5.8	SAR03800530	53.0	38.0	21.5	SAR04850615	61.5	48.5	5.5
SAR00850480	48.0	8.5	1.5	SAR04300530	53.0	43.0	4.0	SAR05500616	61.6	55.0	8.0
SAR01600480	48.0	16.0	10.0	SAR04400530	53.0	44.0	6.6	SAR03200620	62.0	32.0	60.0
SAR03400480	48.0	34.0	6.0	SAR04430530	53.0	44.3	6.0	SAR03600620	62.0	36.0	25.5
SAR03600480	48.0	36.0	3.0	SAR02200540	54.0	22.0	25.0	SAR04500620	62.0	45.0	3.0
SAR04000480	48.0	40.0	2.0	SAR02500540	54.0	25.0	55.0	SAR04700620	62.0	47.0	20.0
SAR03100485	48.5	31.0	10.0	SAR04200540	54.0	42.0	3.6	SAR05100620	62.0	51.0	6.0
SAR02050490	49.0	20.5	3.3	SAR04650540	54.0	46.5	4.0	SAR05400620	62.0	54.0	2.0
SAR03000490	49.0	30.0	30.0	SAR04670540	54.0	46.7	5.0	SAR05200630	63.0	52.0	3.0
SAR03600490	49.0	36.0	6.5	SAR03500545	54.5	35.0	3.5	SAR05840634	63.4	58.4	35.0

# ARANDELAS



## Medidas:

- $D_{ext}$  ..... diámetro exterior
- $D_{int}$  ..... diámetro interior
- $h$  ..... altura
- $ag$  ..... número de agujeros

**Referencia**     $D_{ext}$      $D_{int}$      $h$      $ag$

SAR04700640    64.0    47.0    10.0  
 SAR04700641    64.0    47.0    11.0  
 SAR05600640    64.0    56.0    2.0  
 SAR01300650    65.0    13.0    20.0  
 SAR02800650    65.0    28.0    65.0  
 SAR04200650    65.0    42.0    3.0  
 SAR04500650    65.0    45.0    3.0  
 SAR05000650    65.0    50.0    10.0  
 SAR05200650    65.0    52.0    3.5  
 SAR05700650    65.0    57.0    20.0

SAR04000660    66.0    40.0    4.0  
 SAR04200660    66.0    42.0    8.0  
 SAR04500660    66.0    45.0    6.0  
 SAR04500661    66.0    45.0    33.0  
 SAR04800660    66.0    48.0    3.0  
 SAR04800661    66.0    48.0    11.0  
 SAR05000660    66.0    50.0    1.0  
 SAR05000661    66.0    50.0    3.0  
 SAR05000662    66.0    50.0    4.0  
 SAR05400660    66.0    54.0    1.5

SAR05900660    66.0    59.0    24.0  
 SAR05050665    66.5    50.5    10.0  
 SAR04100670    67.0    41.0    12.0  
 SAR04300670    67.0    43.0    12.0  
 SAR04500670    67.0    45.0    25.0  
 SAR04900670    67.0    49.0    4.0  
 SAR04900671    67.0    49.0    12.0  
 SAR05170670    67.0    51.7    12.0  
 SAR04900672    67.2    49.0    12.0  
 SAR05370674    67.4    53.7    1.2

SAR06140674    67.4    61.4    5.0  
 SAR05650675    67.5    56.5    2.0  
 SAR00000680    68.0    0.0    25.0  
 SAR04000680    68.0    40.0    5.5  
 SAR06200680    68.0    62.0    23.0  
 SAR06030683    68.3    60.3    4.1  
 SAR05630685    68.5    56.3    2.5  
 SAR06330685    68.5    63.3    5.0  
 SAR03200690    69.0    32.0    5.0  
 SAR05200690    69.0    52.0    5.0  
 SAR05500690    69.0    55.0    5.1  
 SAR05700690    69.0    57.0    5.0

**Referencia**     $D_{ext}$      $D_{int}$      $h$      $ag$

SAR05700691    69.0    57.0    9.0  
 SAR00000700    70.0    0.0    10.0  
 SAR00000701    70.0    0.0    8( )  
 SAR01900700    70.0    19.0    5.0  
 SAR02650700    70.0    26.5    2.0  
 SAR03000700    70.0    30.0    22.0  
 SAR03800700    70.0    38.0    75.0  
 SAR04200700    70.0    42.0    4.0  
 SAR04200701    70.0    42.0    5.0  
 SAR04200702    70.0    42.0    15.0

SAR04500700    70.0    45.0    16.0  
 SAR04800700    70.0    48.0    10.0  
 SAR05000701    70.0    50.0    14.0  
 SAR05350700    70.0    53.5    5.6  
 SAR06000700    70.0    60.0    3.0  
 SAR06380702    70.2    63.8    3.0  
 SAR05970705    70.5    59.7    2.3  
 SAR03700720    72.0    37.0    5.0  
 SAR03700721    72.0    37.0    8.0  
 SAR04000720    72.0    40.0    3.0

SAR06200720    72.0    62.0    7.0  
 SAR06600722    72.2    66.0    1.3  
 SAR06750725    72.5    67.5    2.7  
 SAR06600730    73.0    66.0    4.0  
 SAR06800730    73.0    68.0    4.0  
 SAR05770733    73.3    57.7    9.0  
 SAR00000735    73.5    0.0    45.0  
 SAR06500735    73.5    65.0    14.5  
 SAR06850735    73.5    68.5    1.0  
 SAR03000740    74.0    30.0    20.0

SAR05000740    74.0    50.0    10.0  
 SAR05300740    74.0    53.0    15.0  
 SAR05300743    74.0    53.0    30.0  
 SAR06880748    74.8    68.8    3.5  
 SAR01000750    75.0    10.0    50.0  
 SAR04400750    75.0    44.0    20.0  
 SAR05800750    75.0    58.0    9.0  
 SAR05900750    75.0    59.0    4.0  
 SAR06000750    75.0    60.0    5.0  
 SAR06500750    75.0    65.0    1.0  
 SAR06800750    75.0    68.0    4.0  
 SAR07070753    75.3    70.7    2.5

**Referencia**     $D_{ext}$      $D_{int}$      $h$      $ag$

SAR06100754    75.4    61.0    7.2  
 SAR04000760    76.0    40.0    22.0  
 SAR05000760    76.0    50.0    8.0  
 SAR05200760    76.0    52.0    6.0  
 SAR05800760    76.0    58.0    9.0  
 SAR06400760    76.0    64.0    8.0  
 SAR06400761    76.0    64.0    12.0  
 SAR06580762    76.2    65.8    5.2  
 SAR06600764    76.4    66.0    2.0  
 SAR05050770    77.0    50.5    14.0

SAR05900770    77.0    59.0    3.0  
 SAR06400770    77.0    64.0    12.0  
 SAR06350775    77.5    63.5    1.8  
 SAR00700780    78.0    7.0    12.0  
 SAR03000780    78.0    30.0    20.0  
 SAR05500780    78.0    55.0    2.0  
 SAR07450785    78.5    74.5    15.0  
 SAR01000790    79.0    10.0    9.2  
 SAR05100790    79.0    51.0    1.0  
 SAR05400790    79.0    54.0    4.0

SAR06300790    79.0    63.0    5.0  
 SAR06550790    79.0    65.5    4.5  
 SAR06350795    79.5    63.5    0.8  
 SAR06400795    79.5    64.0    10.0  
 SAR00000800    80.0    0.0    100.0  
 SAR00000801    80.0    0.0    320.0  
 SAR03500800    80.0    35.0    3.0  
 SAR04300800    80.0    43.0    35.0  
 SAR05000800    80.0    50.0    20.0  
 SAR05200800    80.0    52.0    24.0

SAR05600800    80.0    56.0    24.0  
 SAR06000800    80.0    60.0    3.0  
 SAR06000801    80.0    60.0    6.0  
 SAR06000802    80.0    60.0    10.0  
 SAR06000803    80.0    60.0    13.6  
 SAR06000804    80.0    60.0    15.0  
 SAR06100800    80.0    61.0    5.5  
 SAR06300800    80.0    63.0    4.5  
 SAR06300801    80.0    63.0    10.0  
 SAR06400800    80.0    64.0    10.5  
 SAR06400801    80.0    64.0    15.0  
 SAR06500800    80.0    65.0    2.0

**Referencia D<sub>ext</sub> D<sub>int</sub> h ag**

SAR06500801 80.0 65.0 3.0  
SAR07400800 80.0 74.0 3.5  
SAR07500800 80.0 75.0 3.5  
SAR07580808 80.8 75.8 2.5  
SAR01900810 81.0 19.0 10.0  
SAR02750810 81.0 27.5 34.0  
SAR07350811 81.1 73.5 3.2  
SAR03800820 82.0 38.0 2.0  
SAR07280823 82.3 72.8 3.5  
SAR06000830 83.0 60.0 12.0

SAR07240830 83.0 72.4 2.8  
SAR07710831 83.1 77.1 3.6  
SAR07300835 83.5 73.0 2.0  
SAR04000840 84.0 40.0 3.0  
SAR05200840 84.0 52.0 4.0  
SAR05200841 84.0 52.0 5.0  
SAR05800840 84.0 58.0 13.0  
SAR07240840 84.0 72.4 4.0  
SAR07300840 84.0 73.0 3.0  
SAR02000850 85.0 20.0 90.0

SAR04500850 85.0 45.0 15.0  
SAR05000850 85.0 50.0 5.0  
SAR05550850 85.0 55.5 10.0  
SAR06000850 85.0 60.0 20.0  
SAR06700850 85.0 67.0 15.0  
SAR06900850 85.0 69.0 2.0  
SAR07500850 85.0 75.0 3.0  
SAR06870859 85.9 68.7 3.2  
SAR08000860 86.0 80.0 2.0  
SAR00000870 87.0 0.0 15.0

SAR04000871 87.0 40.0 40.0  
SAR04600870 87.0 46.0 40.0  
SAR04600870 87.0 73.0 5.0  
SAR08000870 87.0 80.0 1.0  
SAR04500880 88.0 45.0 15.0  
SAR05050880 88.0 50.5 14.0  
SAR06200880 88.0 62.0 8.0  
SAR06680880 88.0 66.8 6.0  
SAR07500890 89.0 75.0 5.5  
SAR07900890 89.0 79.0 4.0

SAR08100890 89.0 81.0 2.0  
SAR07340894 89.4 73.4 10.0  
SAR03000900 90.0 30.0 15.0  
SAR04000900 90.0 40.0 3.0  
SAR05100900 90.0 51.0 10.0  
SAR06000900 90.0 60.0 6.0  
SAR06000901 90.0 60.0 21.0  
SAR07400900 90.0 74.0 7.0  
SAR07500900 90.0 75.0 10.0  
SAR07940900 90.0 79.4 5.3  
SAR07980900 90.0 79.8 5.3

**Referencia D<sub>ext</sub> D<sub>int</sub> h ag**

SAR08700900 90.0 87.0 2.0  
SAR04500920 92.0 45.0 2.0  
SAR07800920 92.0 78.0 4.0  
SAR07800921 92.0 78.0 6.0  
SAR08200920 92.0 82.0 5.0  
SAR08200921 92.0 82.0 6.0  
SAR08440920 92.0 84.4 3.8  
SAR08600920 92.0 86.0 85.0  
SAR07300930 93.0 73.0 29.0  
SAR01850940 94.0 18.5 9.0

SAR07000940 94.0 70.0 10.0  
SAR08400940 94.0 84.0 5.0  
SAR08400941 94.0 84.0 7.0  
SAR08600940 94.0 86.0 4.5  
SAR07530948 94.8 75.3 10.0  
SAR06500950 95.0 65.0 15.0  
SAR07500950 95.0 75.0 3.0  
SAR07540950 95.0 75.4 10.0  
SAR07550950 95.0 75.5 10.0  
SAR07600950 95.0 76.0 10.0

SAR04550955 95.5 45.5 1.5  
SAR04600955 95.5 46.0 10.0  
SAR07700956 95.6 77.0 20.0  
SAR08900958 95.8 89.0 3.3  
SAR06950960 96.0 69.5 2.0  
SAR07600960 96.0 76.0 5.0  
SAR07600961 96.0 76.0 10.0  
SAR09000960 96.0 90.0 3.0  
SAR08770967 96.7 87.7 20.0  
SAR07500970 97.0 75.0 7.0

SAR03100980 98.0 31.0 9.0  
SAR08200980 98.0 82.0 3.0  
SAR09000980 98.0 90.0 4.5  
SAR09300994 99.4 93.0 4.5  
SAR08750995 99.5 87.5 12.0  
SAR00801000 100.0 8.0 3.0  
SAR03001000 100.0 30.0 15.0  
SAR05001000 100.0 50.0 3.0  
SAR05001001 100.0 50.0 6.0  
SAR06001001 100.0 60.0 20.0

SAR06501000 100.0 65.0 4.0  
SAR07501000 100.0 75.0 20.0  
SAR08001000 100.0 80.0 2.0  
SAR09151000 100.0 91.5 2.0  
SAR09431003 100.3 94.3 3.0  
SAR01201005 100.5 12.0 7.0  
SAR09201005 100.5 92.0 1.0  
SAR09421008 100.8 94.2 3.3  
SAR00901010 101.0 9.0 5.0  
SAR09541014 101.4 95.4 1.0  
SAR01001020 102.0 10.0 13.0

**Referencia D<sub>ext</sub> D<sub>int</sub> h ag**

SAR01801020 102.0 18.0 15.0  
SAR02501030 103.0 25.0 50.0  
SAR09501030 103.0 95.0 2.8  
SAR09551035 103.5 95.5 3.0  
SAR00001040 104.0 0.0 20.5  
SAR07401040 104.0 74.0 17.0  
SAR09001040 104.0 90.0 10.0  
SAR09401040 104.0 94.0 3.0  
SAR05501050 105.0 55.0 3.0  
SAR07401050 105.0 74.0 10.0

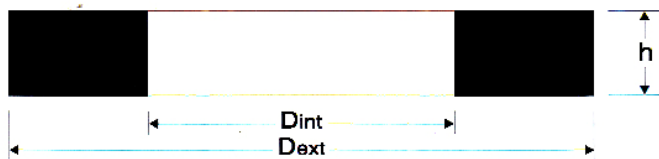
SAR09501050 105.0 95.0 6.4  
SAR09701050 105.0 97.0 2.0  
SAR05701070 107.0 57.0 2.0  
SAR09751070 107.0 97.5 4.5  
SAR10151071 107.1 101.5 1.2  
SAR06801080 108.0 68.0 25.0  
SAR07601080 108.0 76.0 4.0  
SAR09401080 108.0 94.0 6.0  
SAR10101083 108.3 101.0 2.7  
SAR07401090 109.0 74.0 5.0

SAR08001090 109.0 80.0 8.0  
SAR08301090 109.0 83.0 6.0  
SAR10101090 109.0 101.0 1.5  
SAR01851100 110.0 18.5 8.0  
SAR03901100 110.0 39.0 15.0  
SAR06651100 110.0 66.5 0.7  
SAR07301100 110.0 73.0 6.0  
SAR07301101 110.0 73.0 12.0  
SAR07401100 110.0 74.0 5.0  
SAR08251100 110.0 82.5 16.0

SAR09001100 110.0 90.0 12.0  
SAR10001100 110.0 100.0 3.0  
SAR09301110 111.0 93.0 4.0  
SAR10351110 111.0 103.5 1.5  
SAR10351111 111.0 103.5 2.5  
SAR09401115 111.5 94.0 6.0  
SAR10401118 111.8 104.0 5.1  
SAR01001120 112.0 10.0 12.5  
SAR05651132 113.2 56.5 3.2  
SAR04001140 114.0 40.0 24.5

SAR04001141 114.0 40.0 26.0  
SAR09531143 114.3 95.3 20.0  
SAR02701150 115.0 27.0 50.0  
SAR07501150 115.0 75.0 30.0  
SAR10701150 115.0 107.0 2.0  
SAR10701152 115.0 107.0 25.0  
SAR03601160 116.0 36.0 5.0  
SAR10001161 116.0 100.0 11.0  
SAR10001160 116.0 100.0 3.0  
SAR07701180 118.0 77.0 25.0  
SAR08501180 118.0 85.0 2.0

# ARANDELAS



## Medidas:

$D_{ext}$  ..... diámetro exterior  
 $D_{int}$  ..... diámetro interior  
 $h$  ..... altura  
 $ag$  ..... número de agujeros

Referencia	$D_{ext}$	$D_{int}$	$h$	$ag$
SAR10461180	118.0	104.6	6.7	
SAR08351190	119.0	83.5	3.0	
SAR09001190	119.0	90.0	8.0	
SAR10921192	119.2	109.2	6.6	
SAR00701200	120.0	7.0	1.5	
SAR02401200	120.0	24.0	20.0	
SAR03051200	120.0	30.5	20.0	
SAR03301200	120.0	33.0	20.0	
SAR05501200	120.0	55.0	4.0	
SAR07001200	120.0	70.0	6.0	
SAR07601200	120.0	76.0	50.0	
SAR09981200	120.0	99.8	7.0	
SAR10501200	120.0	105.0	3.0	
SAR06001220	122.0	60.0	4.0	
SAR11831223	122.3	118.3	3.2	
SAR08401230	123.0	84.0	4.0	
SAR10001230	123.0	100.0	3.0	
SAR03001250	125.0	30.0	15.0	
SAR04001250	125.0	40.0	14.0	8
SAR07001250	125.0	70.0	3.0	
SAR08501250	125.0	85.0	3.0	
SAR08501251	125.0	85.0	4.0	
SAR09001250	125.0	90.0	7.0	
SAR10001250	125.0	100.0	13.0	
SAR11361256	125.6	113.6	5.2	
SAR12101270	127.0	121.0	3.3	
SAR12201277	127.7	122.0	3.3	
SAR10401280	128.0	104.0	6.0	
SAR03601290	129.0	36.0	8.0	
SAR11821292	129.2	118.2	3.5	
SAR00801300	130.0	8.0	15.0	
SAR05201300	130.0	52.0	12.0	
SAR10001300	130.0	100.0	20.0	
SAR10201300	130.0	102.0	10.0	
SAR10201301	130.0	102.0	5.0	
SAR11001300	130.0	110.0	10.0	
SAR12031307	130.7	120.3	5.3	
SAR03651310	131.0	36.5	8.2	
SAR06801310	131.0	68.0	20.0	
SAR10501320	132.0	105.0	8.0	
SAR10801320	132.0	108.0	31.5	
SAR04501330	133.0	45.0	25.0	

Referencia	$D_{ext}$	$D_{int}$	$h$	$ag$
SAR11431333	133.3	114.3	0.8	
SAR02001340	134.0	20.0	10.0	
SAR11301340	134.0	113.0	17.0	
SAR11951345	134.5	119.5	7.0	
SAR02901350	135.0	29.0	27.0	
SAR11401350	135.0	114.0	2.0	
SAR11201360	136.0	112.0	50.0	
SAR12061365	136.5	120.6	0.8	
SAR12271367	136.7	122.7	8.0	
SAR12501370	137.0	125.0	6.0	
SAR11301380	138.0	113.0	15.0	
SAR01851400	140.0	18.5	5.0	
SAR08501400	140.0	85.0	3.0	
SAR08501401	140.0	85.0	8.0	
SAR11451400	140.0	114.5	13.0	
SAR10441406	140.6	104.4	2.0	
SAR12821442	144.2	128.2	70.0	
SAR10501450	145.0	105.0	35.0	
SAR13201450	145.0	132.0	2.0	
SAR13301460	146.0	133.0	6.5	
SAR03901470	147.0	39.0	9.0	
SAR11501470	147.0	115.0	16.5	
SAR11501471	147.0	115.0	20.0	
SAR13601470	147.0	136.0	2.1	
SAR12801480	148.0	128.0	8.0	
SAR14001498	149.8	140.0	2.8	
SAR03001500	150.0	30.0	30.0	
SAR08101500	150.0	81.0	15.0	
SAR09701500	150.0	97.0	2.0	4
SAR11001500	150.0	110.0	4.0	
SAR12001500	150.0	120.0	4.0	
SAR120015001	150.0	120.0	6.0	
SAR12201500	150.0	122.0	10.0	
SAR12201501	150.0	122.0	11.0	
SAR14001500	150.0	140.0	4.0	
SAR136015102	151.0	136.0	5.5	
SAR13601510	151.0	136.0	3.5	
SAR136015101	151.0	136.0	5.0	
SAR12801520	152.0	128.0	14.5	
SAR12601522	152.2	126.0	4.5	
SAR14901523	152.3	149.0	1.7	
SAR10501530	153.0	105.0	1.0	

Referencia	$D_{ext}$	$D_{int}$	$h$	$ag$
SAR10501531	153.0	105.0	16.0	
SAR12001540	154.0	120.0	9.5	
SAR120015401	154.0	120.0	19.5	
SAR13201540	154.0	132.0	8.0	
SAR14601540	154.0	146.0	3.0	
SAR12201545	154.5	122.0	20.0	
SAR14521547	154.7	145.2	6.4	
SAR03001551	155.0	30.0	35.0	
SAR04501550	155.0	45.0	20.0	
SAR07001550	155.0	70.0	25.0	
SAR10501550	155.0	105.0	70.0	
SAR12501550	155.0	125.0	10.0	
SAR13751550	155.0	137.5	9.2	
SAR14351550	155.0	143.5	3.0	
SAR14501550	155.0	145.0	3.0	
SAR14701550	155.0	147.0	4.0	
SAR04601560	156.0	46.0	8.0	
SAR10501560	156.0	105.0	1.0	
SAR10501561	156.0	105.0	15.0	
SAR14281564	156.4	142.8	5.2	
SAR12001570	157.0	120.0	40.0	
SAR12001580	158.0	120.0	1.0	
SAR13001580	158.0	130.0	14.0	
SAR14811581	158.1	148.1	5.3	
SAR11001590	159.0	110.0	10.0	
SAR09451600	160.0	94.5	4.0	
SAR09451601	160.0	94.5	7.0	
SAR09451602	160.0	94.5	10.0	
SAR09451603	160.0	94.5	20.0	
SAR11001600	160.0	110.0	3.0	
SAR13001600	160.0	130.0	16.0	
SAR14601609	160.9	146.0	1.2	
SAR15001610	161.0	150.0	0.5	
SAR01201620	162.0	12.0	4.0	
SAR09401620	162.0	94.0	4.0	
SAR09401621	162.0	94.0	10.0	
SAR10801620	162.0	108.0	2.0	
SAR15201620	162.0	152.0	3.0	
SAR15131623	162.3	151.3	2.1	
SAR14951648	164.8	149.5	3.5	
SAR00001650	165.0	0.0	10.0	
SAR13001650	165.0	130.0	15.0	



Referencia	D <sub>ext</sub>	D <sub>int</sub>	h	ag	Referencia	D <sub>ext</sub>	D <sub>int</sub>	h	ag	Referencia	D <sub>ext</sub>	D <sub>int</sub>	h	ag
SAR13401660	166.0	134.0	2.0		SAR17792031	203.1	177.9	1.0		SAR26002920	292.0	260.0	12.0	
SAR15801680	168.0	158.0	3.0		SAR19202040	204.0	192.0	4.0		SAR28002950	295.0	280.0	25.0	
SAR12001690	169.0	120.0	5.0		SAR14802050	205.0	148.0	10.0	4	SAR19302970	297.0	193.0	10.0	
SAR12001691	169.0	120.0	9.0		SAR18902050	205.0	189.0	24.0		SAR20003000	300.0	200.0	3.0	
SAR12001692	169.0	120.0	14.0		SAR19802060	206.0	198.0	4.0		SAR21503000	300.0	215.0	2.0	
SAR12001693	169.0	120.0	33.0		SAR18702070	207.0	187.0	8.0		SAR21503001	300.0	215.0	5.0	
SAR06201700	170.0	62.0	8.0		SAR17502080	208.0	175.0	8.0		SAR21503002	300.0	215.0	7.0	
SAR09501700	170.0	95.0	3.0	8	SAR20002080	208.0	200.0	5.0		SAR21503003	300.0	215.0	10.0	
SAR11001700	170.0	110.0	10.0	4	SAR15102100	210.0	151.0	2.0	6	SAR26003000	300.0	260.0	8.0	
SAR16001700	170.0	160.0	3.0		SAR15502110	211.0	155.0	5.0		SAR29003020	302.0	290.0	7.5	
SAR160017001	170.0	160.0	6.0		SAR13702150	215.0	137.0	3.0	8	SAR29203020	302.0	292.0	5.0	
SAR13701710	171.0	137.0	5.0		SAR16502150	215.0	165.0	3.0		SAR27503050	305.0	275.0	11.5	
SAR13701711	171.0	137.0	6.0		SAR03602160	216.0	36.0	2.5		SAR22003080	308.0	220.0	20.0	
SAR13701712	171.0	137.0	7.0		SAR19992165	216.5	199.9	4.0		SAR19303130	313.0	193.0	10.0	
SAR13701713	171.0	137.0	8.0		SAR19452175	217.5	194.5	8.5		SAR29403140	314.0	294.0	15.0	
SAR15901710	171.0	159.0	8.0		SAR14002200	220.0	140.0	3.0	6	SAR29533153	315.3	295.3	6.0	
SAR14001720	172.0	140.0	5.0		SAR16002200	220.0	160.0	4.0	8	SAR28803160	316.0	288.0	11.0	
SAR14001721	172.0	140.0	6.0		SAR19002200	220.0	190.0	4.0		SAR31003170	317.0	310.0	3.5	
SAR00001725	172.5	0.0	3.5		SAR19602200	220.0	196.0	10.0		SAR20503200	320.0	205.0	2.5	
SAR13901730	173.0	139.0	11.0		SAR17502230	223.0	175.0	2.0		SAR25403200	320.0	254.0	6.3	
SAR16351730	173.0	163.5	5.1		SAR15502265	226.5	155.0	5.0		SAR31503200	320.0	315.0	3.0	
SAR16501730	173.0	165.0	2.0		SAR14202280	228.0	142.0	2.5		SAR30103210	321.0	301.0	9.0	
SAR13831738	173.8	138.3	14.0		SAR20902290	229.0	209.0	12.0		SAR28703270	327.0	287.0	15.0	
SAR14601740	174.0	146.0	2.5		SAR10002340	234.0	100.0	3.0		SAR30003400	340.0	300.0	20.0	
SAR14001750	175.0	140.0	50.0		SAR23002350	235.0	230.0	3.0		SAR32003400	340.0	320.0	10.0	
SAR14501750	175.0	145.0	4.0		SAR20002360	236.0	200.0	4.0		SAR19243448	344.8	192.4	15.0	
SAR13901760	176.0	139.0	17.0		SAR11002400	240.0	110.0	3.0		SAR25003500	350.0	250.0	3.0	
SAR16801780	178.0	168.0	2.0		SAR18102400	240.0	181.0	2.0	6	SAR27003500	350.0	270.0	3.0	
SAR15481782	178.2	154.8	12.0		SAR20102410	241.0	201.0	4.0		SAR32503550	355.0	325.0	7.0	
SAR00001800	180.0	0.0	32.0	6	SAR12002450	245.0	120.0	0.5		SAR34703550	355.0	347.0	3.5	
SAR14001800	180.0	140.0	6.5		SAR17102450	245.0	171.0	3.0	8	SAR33903630	363.0	339.0	4.0	
SAR16001800	180.0	160.0	2.0		SAR23502450	245.0	235.0	5.0		SAR32703720	372.0	327.0	21.0	
SAR16001801	180.0	160.0	6.0		SAR16002500	250.0	160.0	2.0		SAR28403750	375.0	284.0	8.0	16
SAR16581800	180.0	165.8	5.0		SAR17002500	250.0	170.0	3.0		SAR30003760	376.0	300.0	4.0	12
SAR17101810	181.0	171.0	2.0		SAR22002520	252.0	220.0	5.0		SAR35203760	376.0	352.0	10.0	
SAR13601600	185.0	136.0	2.0	6	SAR21702530	253.0	217.0	6.0		SAR37003770	377.0	370.0	3.6	
SAR14501850	185.0	145.0	2.0		SAR16002580	258.0	160.0	2.0		SAR33603800	380.0	336.0	10.0	
SAR15001850	185.0	150.0	8.0		SAR21802580	258.0	218.0	10.0		SAR35003860	386.0	350.0	12.0	
SAR11001900	190.0	110.0	5.0	8	SAR22202580	258.0	222.0	8.0		SAR37303930	393.0	373.0	10.5	
SAR13501900	190.0	135.0	3.0		SAR25342620	262.0	253.4	5.1		SAR30004000	400.0	300.0	3.0	
SAR17001900	190.0	170.0	13.0		SAR21302650	265.0	213.0	15.0		SAR40104050	405.0	401.0	10.0	
SAR07001950	195.0	70.0	25.0		SAR19002680	268.0	190.0	4.0	6	SAR40404160	416.0	404.0	7.0	
SAR16001950	195.0	160.0	9.0		SAR23302730	273.0	233.0	15.0		SAR39304230	423.0	393.0	17.0	
SAR09002000	200.0	90.0	2.0		SAR04402740	274.0	44.0	3.0	1	SAR40904250	425.0	409.0	8.0	
SAR14802000	200.0	148.0	2.0	8	SAR25002740	274.0	250.0	7.0		SAR39004300	430.0	390.0	17.0	
SAR18502000	200.0	185.0	1.8		SAR25602740	274.0	256.0	7.0		SAR27004350	435.0	270.0	6.0	
SAR19002000	200.0	190.0	10.0		SAR25002820	282.0	250.0	8.0		SAR39504480	448.0	395.0	11.0	
SAR19102010	201.0	191.0	5.0		SAR24002920	292.0	240.0	2.0		SAR43004500	450.0	430.0	10.0	
SAR16002020	202.0	160.0	40.0		SAR240029201	292.0	240.0	5.0		SAR37004600	460.0	370.0	4.0	14
SAR16902020	202.0	169.0	7.0		SAR24002921	292.0	240.0	7.0		SAR45104670	467.0	451.0	9.0	
SAR18702030	203.0	187.0	8.0		SAR24002922	292.0	240.0	10.0		SAR37104710	471.0	371.0	4.0	14

# ARANDELAS



## Medidas:

- $D_{ext}$  ..... diámetro exterior
- $D_{int}$  ..... diámetro interior
- $h$  ..... altura
- $ag$  ..... número de agujeros

Referencia	$D_{ext}$	$D_{int}$	$h$	$ag$	Referencia	$D_{ext}$	$D_{int}$	$h$	$ag$	Referencia	$D_{ext}$	$D_{int}$	$h$	$ag$
SAR44804810	481.0	448.0	16.0		SAR40005100	510.0	400.0	3.0		SAR56005800	580.0	560.0	10.0	
SAR40404840	484.0	404.0	8.0	16	SAR49005100	510.0	490.0	10.0		SAR57705970	597.0	577.0	10.0	
SAR46504840	484.0	465.0	9.0		SAR50005120	512.0	500.0	8.0		SAR65006700	670.0	650.0	8.0	
SAR41004900	490.0	410.0	3.0	14	SAR47005200	520.0	470.0	10.0		SAR38007200	720.0	380.0	3.0	
SAR42504900	490.0	425.0	10.0		SAR45505300	530.0	455.0	4.0		SAR71207340	734.0	712.0	12.0	
SAR40005000	500.0	400.0	3.0		SAR45405450	545.0	454.0	10.0	16	SAR78408220	822.0	784.0	11.0	
SAR06555080	508.0	65.5	3.0		SAR42405650	565.0	424.0	10.0	16					