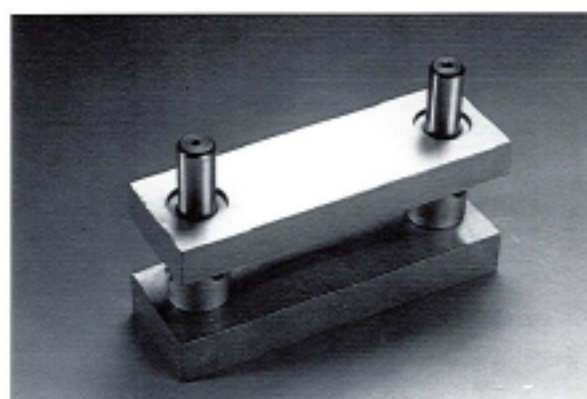
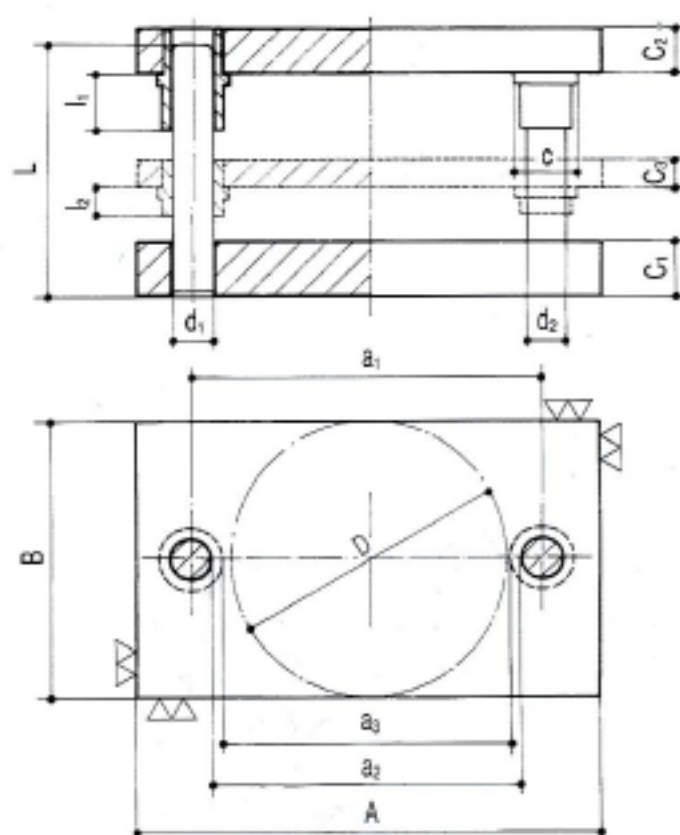


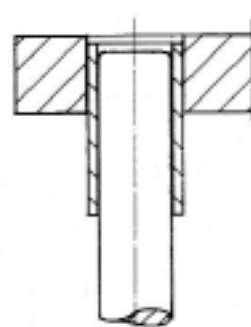
PORTAMATRICES DE ACERO

MODELO SR

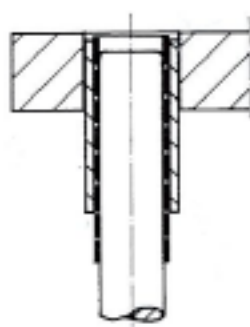


MATERIAL.- Acero F-112 / F-114

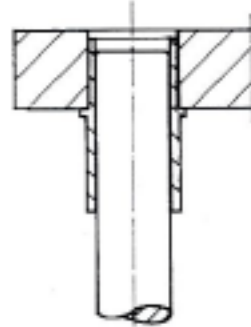
Montaje
normalizado



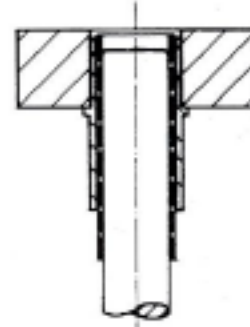
Ref. 323
Casq. liso



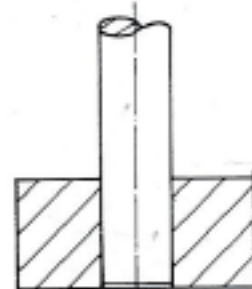
Ref. 324
Casq. jaula de bolas



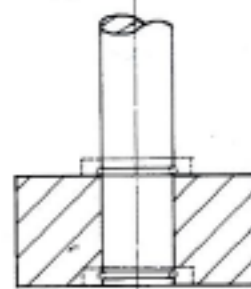
Ref. 313 / 317
Casq. con valona



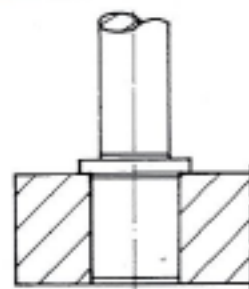
Ref. 314 / 318
Casq. jaula de bolas



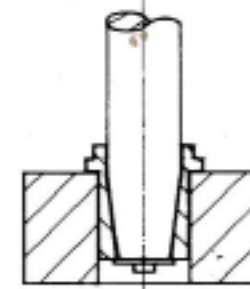
Ref. 300
Columna lisa



Ref. 301
Col. retención inferior / intermedia



Ref. 303
Columnas de dos diámetros



Ref. 305
Columna con asiento cónico

Bajo demanda fabricamos cualquier medida o material especial.

PORTAMATRICES DE ACERO



MODELO SR

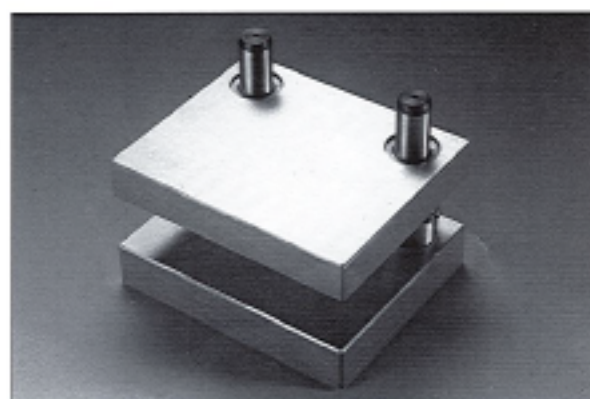
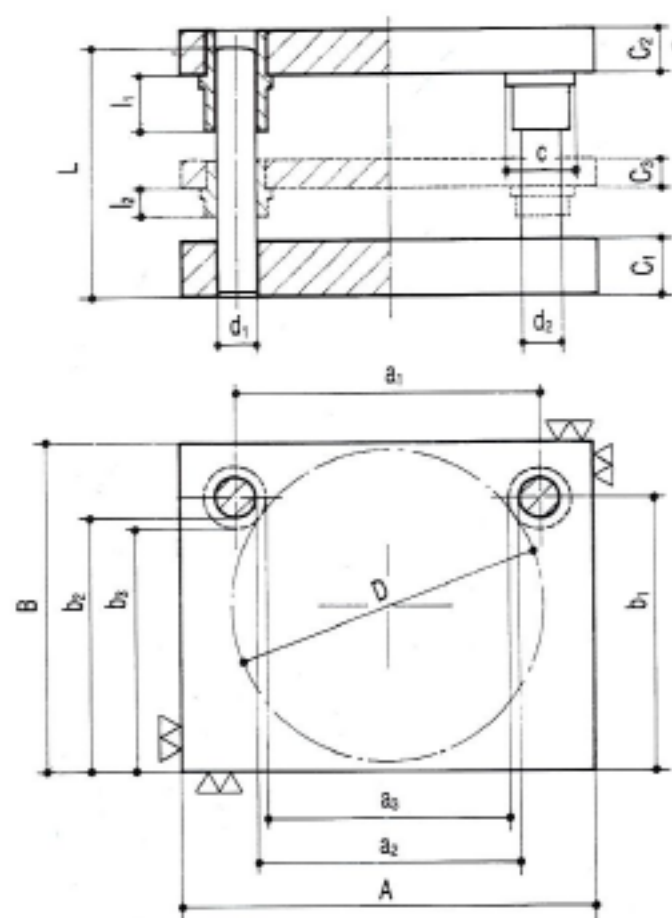
N.º	DIMENSIONES				ESPEORES			COL / CASQ.						SUP. UTIL			
	A	B	a ₁	a ₂	C ₁	C ₂	C ₃	d ₁	d ₂	L	c	l ₁	l ₂	a	x	B	D
1	175	65	125	106	32	27	18	18	19	130	38	35	18	85	x	65	65
2	200		150	131										110			
3	225	80	163	138	32	27	23	18	19	140	38	35	18	135	x	80	80
4	250		188	163										160			
5	225		163	138										115			
6	250	100	188	163	37	32	23	24	25	140	48	45	18	140	x	100	100
7	285		223	198										175			
8	325		263	238										215			
12	235		188	148										125			
13	275	125	213	188	37	32	23	24	25	140	48	45	18	165	x	125	125
14	325		263	238										215			
15	365		313	278										255			
18	275	165	213	188	37	32	23	24	25	140	48	45	18	165	x	165	165
20	325		263	238										215			
22	400	165	323	292	37	32	28	30	32	160	58	50	18	265	x	165	165
23	450		373	342										315			
28	350		273	242										215			
29	400	200	323	292	42	32	28	30	32	160	58	50	18	265	x	200	200
30	450		373	342										315			
31	500		423	392										365			
43	450		362	321										290			
44	500	250	412	371	47	37	32	40	42	180	72	50	18	340	x	250	250
45	550		462	421										390			
46	600		512	471										440			
54	500		412	371										340			
55	550	300	462	421	47	42	32	40	42	180	72	50	18	390	x	300	300
56	600		512	471										440			
57	650		562	521										490			
61	500		412	371										340			
62	550		462	421										390			
63	600	350	512	471	47	42	32	40	42	180	72	50	18	440	x	350	350
64	650		562	521										490			
65	700		612	571										540			
67	500		412	371										340			
68	600	400	512	471	47	42	32	40	42	180	72	50	18	440	x	400	400
69	700		612	571										540			
70	800		712	671										640			
71	500		412	371										340			
72	600	450	512	471	57	47	32	40	42	200	72	50	18	440	x	450	450
73	700		612	571										540			
74	800		712	671										640			
76	600		512	471										440			
77	700		612	571										540			
78	800	500	712	671	57	47	32	40	42	220	72	50	18	640	x	500	500
79	900		812	771										740			
80	1000		912	871										840			
81	700		602	551										520			
82	800		702	651										620			
83	900	600	802	751	57	47	38	50	52	220	82	55	18	720	x	600	600
84	1000		902	851										820			
85	1200		1102	1051										1020			

Bajo demanda fabricamos cualquier medida o material especial.

FORMA DE PEDIDO.- Se indica el modelo, el número y el tipo de montaje.

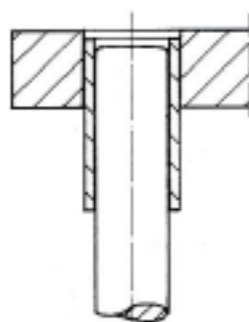
PORTAMATRICES DE ACERO

MODELO SRA

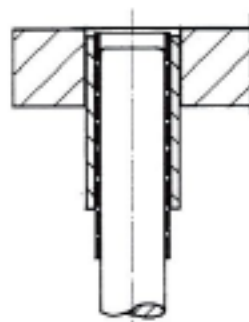


MATERIAL.- Acero F-112 / F-114

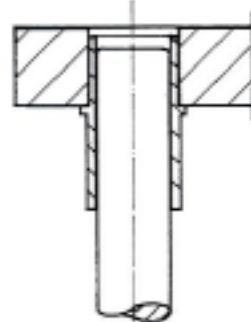
Montaje
normalizado



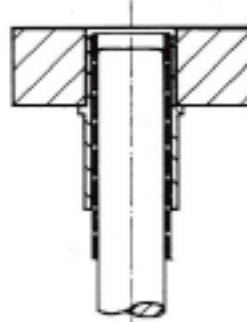
Ref. 323
Casq. liso



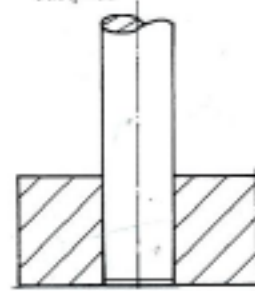
Ref. 324
Casq. jaula de bolas



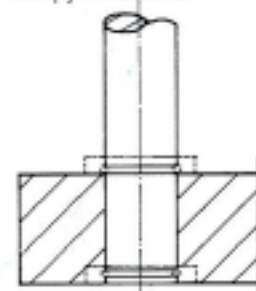
Ref. 313 / 317
Casq. con valona



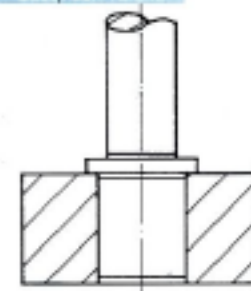
Ref. 314 / 318
Casq. jaula de bolas



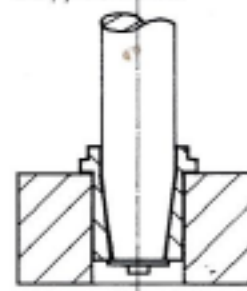
Ref. 300
Columna lisa



Ref. 301
Col. retención inferior / intermedia



Ref. 303
Columnas de dos diámetros



Ref. 305
Columna con asiento cónico

Bajo demanda fabricamos cualquier medida o material especial.

PORTAMATRICES DE ACERO

MODELO SRA



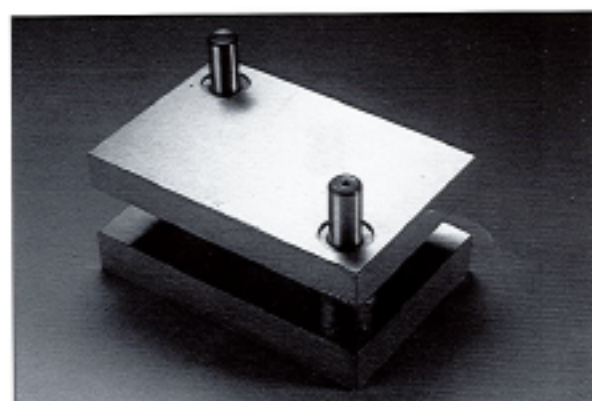
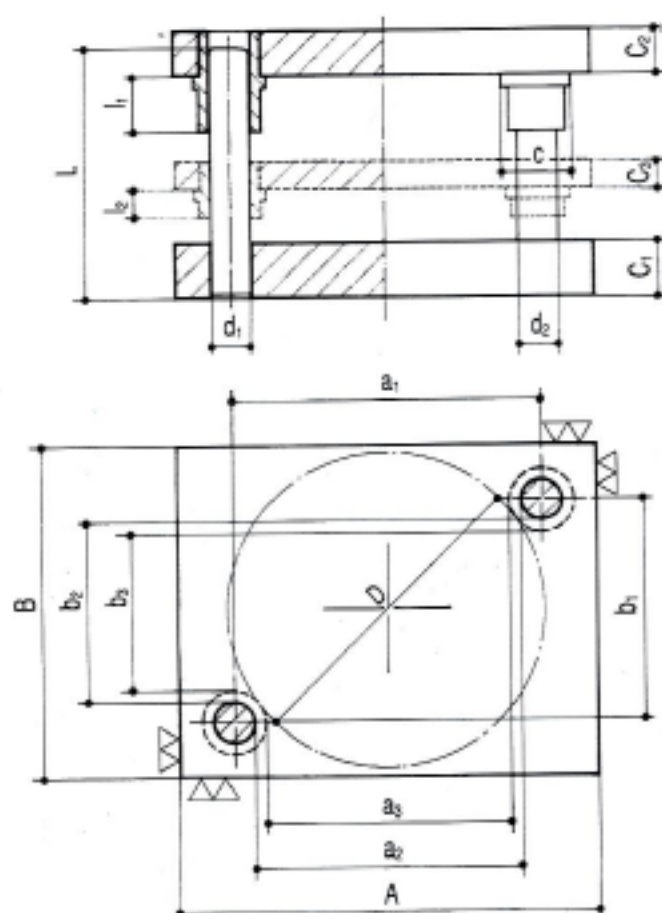
DIMENSIONES								ESPEORES			COL / CASQ.					SUP. UTIL		
N.º	A	B	a ₁	a ₂	a ₃	b ₁	b ₂	C ₁	C ₂	C ₃	d	L	e	h	h	b ₀ x	A	D
9	150	125	100	81	60	100	90	32	27	18	19	130	38	35	18	80 x	150	100
10	175		125	106	85												175	110
16	200	165	138	113	90	134	121	37	32	23	25	140	48	45	18	110 x	200	135
17	250		188	163	140												250	165
19	300		238	213	190												300	165
21	350		288	263	240												350	165
24	200	200	123	91	65	161	145	42	32	28	32	160	58	50	18	132 x	200	150
25	225		148	116	90												225	160
26	250		173	141	115												250	170
27	300		223	191	165												300	195
28	350	225	273	241	215	186	170	42	32	28	32	160	58	50	18	157 x	350	200
32	225		148	116	90												225	180
33	250		173	141	115												250	190
34	275		198	166	140												275	200
35	300	250	223	191	165	211	195	42	37	28	32	180	58	50	18	182 x	300	210
36	350		273	241	215												350	225
38	250		173	141	115												250	210
39	275		198	166	140												275	220
40	300	250	223	191	165	206	186	47	37	32	40	180	72	50	18	170 x	300	230
41	350		273	241	215												350	240
42	400		312	272	240												400	250
43	450		362	322	290												450	250
47	300	275	212	172	140	231	211	47	37	32	40	180	72	50	18	195 x	300	235
48	350		262	222	190												350	255
49	400		312	272	240												400	275
50	450		362	322	290												450	275
51	350	300	262	222	190	256	236	47	42	32	40	180	72	50	18	220 x	350	275
52	400		312	272	240												400	300
53	450		362	322	290												450	300
59	400		312	272	240												400	335
60	450	350	362	322	290	306	286	47	42	32	40	180	72	50	18	270 x	450	350
61	500		412	372	340												500	350
66	450		362	322	290												450	400
67	500		412	372	340												500	400
68	600	400	512	472	440	356	336	47	42	32	40	180	72	50	18	320 x	600	400
71	500		412	372	340												500	450
72	600		512	472	440												600	450
73	700		612	572	540												700	450
75	500	500	412	372	340	456	436	57	47	32	40	220	72	50	18	420 x	500	500
76	600		512	472	440												600	500
77	700		612	572	540												700	500
78	800		712	672	650												800	500
80	600	600	502	452	420	551	526	57	47	38	50	220	82	55	18	510 x	600	600
81	700		602	552	520												700	600
82	800		702	652	620												800	600
83	900		802	752	720												900	600

Bajo demanda fabricamos cualquier medida o material especial.

FORMA DE PEDIDO.- Se indica el modelo, el número y el tipo de montaje.

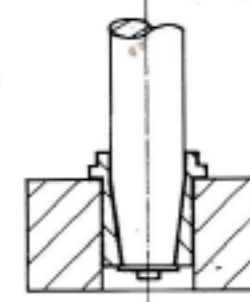
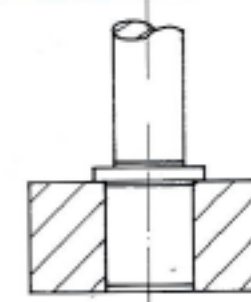
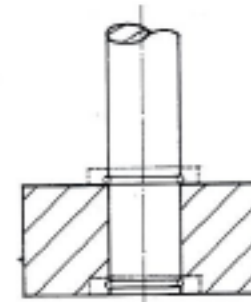
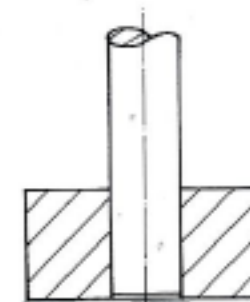
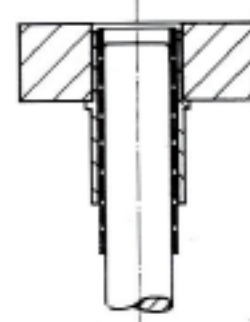
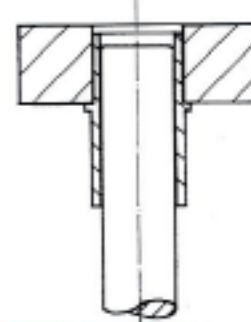
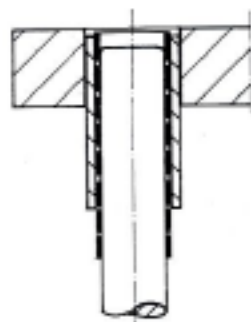
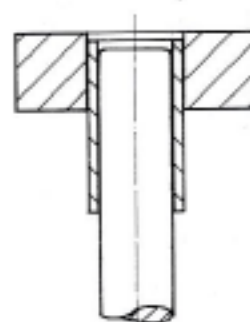
PORTAMATRICES DE ACERO

MODELO SRD



MATERIAL.- Acero F-112 / F-114

Montaje
normalizado



Bajo demanda fabricamos cualquier medida o material especial.

PORTAMATRICES DE ACERO



MODELO SRD

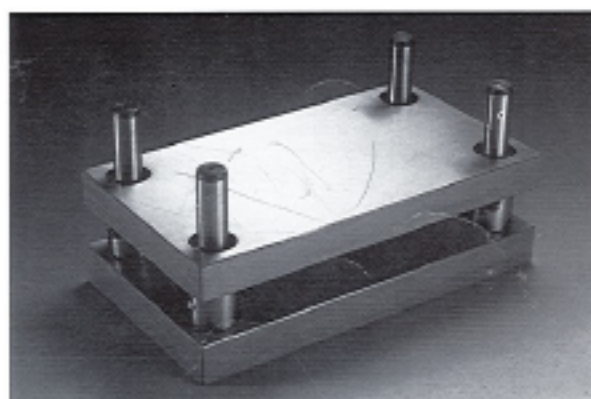
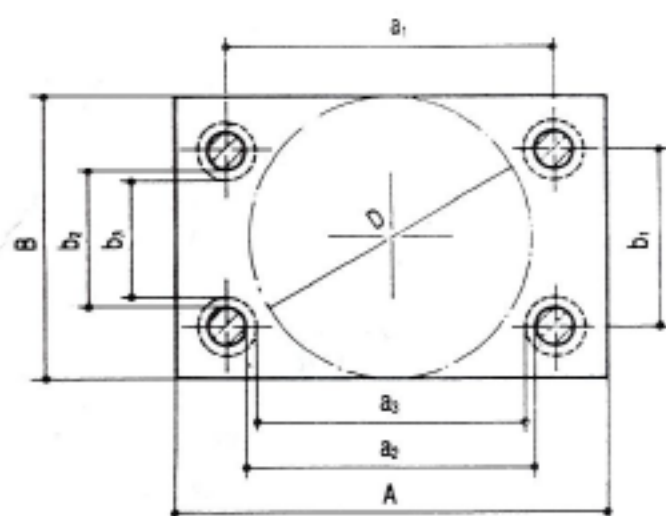
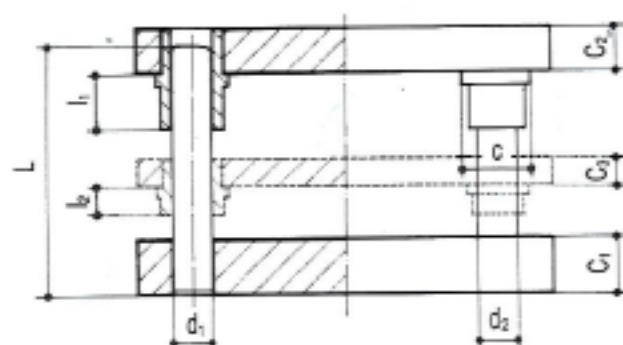
DIMENSIONES							ESPEORES			COL / CASQ.						SUP. UTIL		
N.º	A	B	a ₁	a ₂	b ₁	b ₂	C ₁	C ₂	C ₃	d ₁	d ₂	L	é	h	h ₂	a ₀ x B	A x b ₀	D
9	150	125	100	81	75	56	32	27	18	18	19	130	38	35	18	60	150	80
11	200		150	131												110 x 125	200 x 35	125
16	200		138	113												90	200	120
17	250	165	188	163	103	78	37	32	23	24	25	140	48	45	18	140 x 165	250 x 55	165
19	300	200	238	213	123	92	42	32	28	30	32	160	58	50	18	190	300	165
24	200		123	91												65	200	115
25	225		148	116												90	225	130
26	250	200	173	141	123	92	42	32	28	30	32	160	58	50	18	115 x 200	250 x 65	150
27	300	225	223	191	148	117	42	32	28	30	32	160	58	50	18	165	300	195
28	350		273	241												215	350	200
32	225		148	116												90	225	150
33	250	250	173	141	162	121	47	37	32	40	42	180	72	50	18	115	250	165
35	300		223	191												165 x 225	300 x 90	210
36	350		273	241												215	350	225
37	400	300	323	291	212	171	47	42	32	40	42	180	72	50	18	265	400	225
38	250		173	141												115	250	185
40	300		223	191												165 x 250	300 x 115	225
41	350	250	273	241	162	121	47	37	32	40	42	180	72	50	18	215	350	250
42	400		312	272												240	400	250
43	450		362	322												290 x 250	450 x 90	250
44	500	300	412	372	212	171	47	42	32	40	42	180	72	50	18	340	500	250
46	600		512	472												440	600	250
51	350		262	222												190	350	260
52	400	400	312	272	262	221	47	42	32	40	42	180	72	50	18	240	400	300
53	450		362	322												290 x 300	450 x 140	300
54	500		412	372												340	500	300
56	600	350	512	472	262	221	47	42	32	40	42	180	72	50	18	440	600	300
59	400		312	272												240	400	330
60	450		362	322												290	450	350
61	500	400	412	372	312	271	47	42	32	40	42	180	72	50	18	340 x 350	500 x 190	350
63	600	400	512	472	362	321	52	47	32	40	42	200	72	50	18	440	600	350
65	700		612	572												540	700	350
66	450		362	322												290	450	400
67	500	500	412	372	412	371	57	47	32	40	42	220	72	50	18	340	500	450
68	600		512	472												440 x 400	600 x 240	400
69	700		612	572												540	700	400
70	800	500	712	672	412	371	57	47	32	40	42	220	72	50	18	640	800	400
71	500		412	372												340	500	450
72	600		512	472												440 x 450	600 x 290	450
73	700	500	612	572	412	371	57	47	32	40	42	220	72	50	18	540	700	450
74	800		712	672												640	800	450
76	600		512	472												440	600	500
77	700	600	612	572	502	451	57	47	38	50	52	220	82	55	18	540 x 500	700 x 340	500
78	800		712	672												640	800	500
79	900		812	772												740	900	500
81	700	600	602	551	502	451	57	47	38	50	52	220	82	55	18	520	700	600
82	800		702	651												620 x 600	800 x 420	600
83	900		802	751												720	900	600

Bajo demanda fabricamos cualquier medida o material especial.

FORMA DE PEDIDO.- Se indica el modelo, el número y el tipo de montaje.

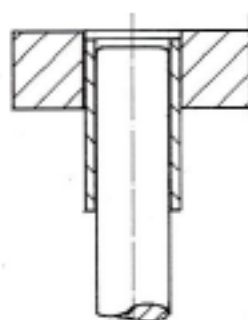
PORTAMATRICES DE ACERO

MODELO SR-4

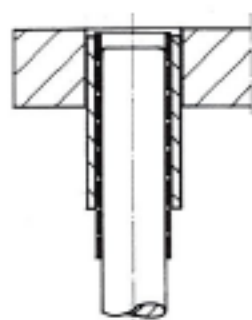


MATERIAL.- Acero F-112 / F-114

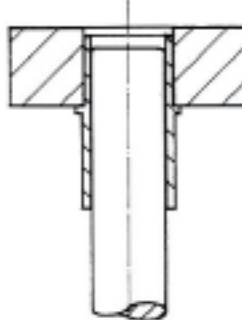
Montaje
normalizado



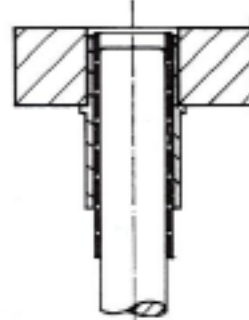
Ref. 323
Casq. liso



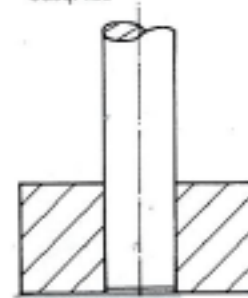
Ref. 324
Casq. jaula de bolas



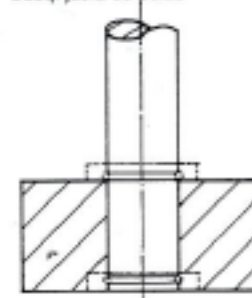
Ref. 313 / 317
Casq. con valona



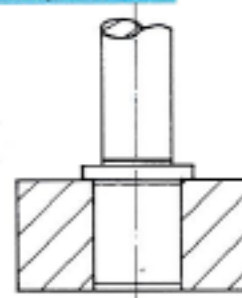
Ref. 314 / 318
Casq. jaula de bolas



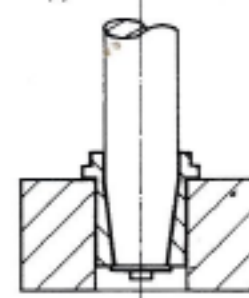
Ref. 300
Columna lisa



Ref. 301
Col. retención inferior / intermedia



Ref. 303
Columnas de dos diámetros



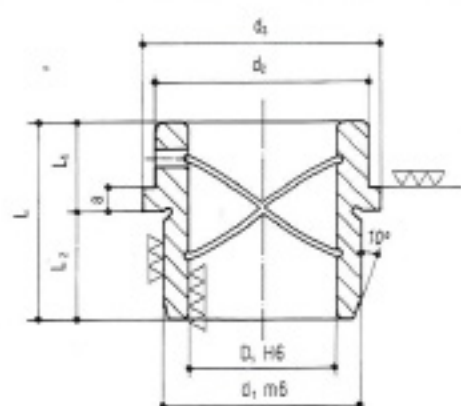
Ref. 305
Columna con asiento cónico

Bajo demanda fabricamos cualquier medida o material especial.

CASQUILLOS GUIA



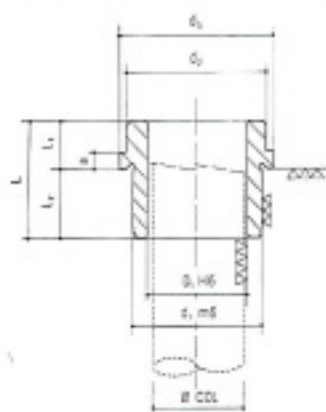
CASQUILLOS CON VALONA R-315 / R-315 B



R-315
MATERIAL.- Acero de cementación
DUREZA.- 60-62 HRC
R-315 B
MATERIAL.- Bronce al aluminio. DIN 1714
DUREZA.- HB >180

D1	d1	d2	d3	L	L1	L2	a
15	28	26	34	31	16	15	5
16							
18	32	34	38	33	18	17	5
19							
24	40	43	48	40	18	22	5
25							
30	48	53	58	45	18	27	5
32							
40	58	66	77	48	18	30	5
42							
50	68	77	82	57	22	35	5
52							

CASQUILLOS CON VALONA R-316. PARA JAULA DE BOLAS



MATERIAL.- Acero de cementación
DUREZA.- 60-62 HRC

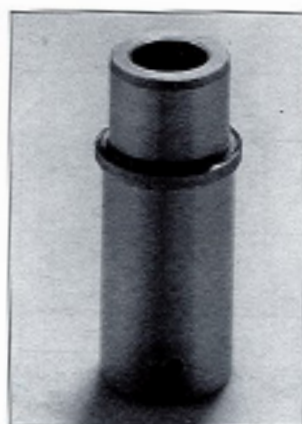
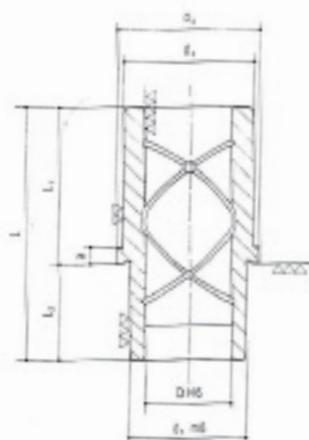
D1	d1	d2	d3	L	L1	L2	a	Ø COL
21	28	26	34	31	16	15	5	15
22								16
24	32	34	38	33	18	17	5	18
25								19
30	40	43	48	40	18	22	5	24
31								25
38	48	53	58	45	18	27	5	30
40								32
48	58	66	77	48	18	30	5	48
50								42
58	68	77	82	57	22	35	5	50
60								52

Bajo demanda fabricamos cualquier medida o material especial.

FORMA DE PEDIDO.- Se indica la referencia, el diámetro (D) y la longitud (L).

CASQUILLOS GUIA

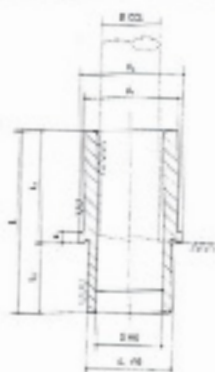
CASQUILLOS CON VALONA R-317 / R-317 B



R-317
MATERIAL.- Acero de cementación
DUREZA.- 60-62 HRc
R-317 B
MATERIAL.- Bronce al aluminio, DIN 1714
DUREZA.- HB >180

D ₁	d ₁	d ₂	d ₃	L	L ₁	L ₂	a
24	40	43	48	110/130	80/100	30	5
25							
30	48	53	58	110/130	80/100	30	5
32							
40	58	66	72	115/135	80/100	35	5
42							
50	68	77	82	125/145	80/100	45	5
52							

CASQUILLOS CON VALONA R-318. PARA JAULA DE BOLAS



MATERIAL.- Acero de cementación
DUREZA.- 60-62 HRc

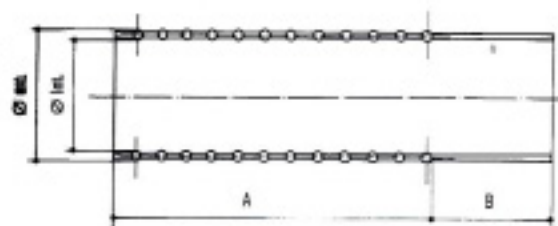
D ₁	d ₁	d ₂	d ₃	L	L ₁	L ₂	a	b	ø COL
30	40	43	48	110/130	80/100	30	5	20	24
31									25
38	48	53	58	110/130	80/100	30	5	20	30
40									32
48	58	66	72	115/125	80/100	35	5	25	40
50									42
58	68	77	82	125/145	80/100	45	5	25	50
60									52

Bajo demanda fabricamos cualquier medida o material especial.

JAULAS DE BOLAS



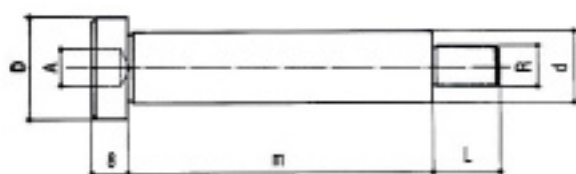
JAULAS DE BOLAS (ALUMINIO / BRONCE)



Ø int.	Ø ext.	A	B
15	21	60	18
16	22	60	18
18	24	40	
18	24	72	22
19	25	40	
19	25	72	22
24	30	45	
24	30	78	25
25	31	45	
25	31	78	25
30	38	90	
30	38	75	
30	38	90	32
32	40	50	
32	40	75	
32	40	90	32
40	48	90	
40	48	80	
40	48	100	40
42	50	90	
42	50	80	
42	50	100	40
50	58	58	
50	58	112	
50	58	140	
50	58	160	
52	60	58	
52	60	112	

TOPES DE GUIA

TOPE GUIA REF. TGM.



MATERIAL: Acero especial carbonitrado.
DUREZA: 60-62 HRC

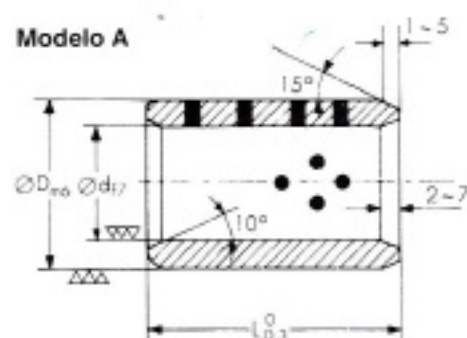
Ø	6	8	12	16	20	25	32	M 0.1
6	M6	M8	M12	M16	M20	M25	M32	
8	8	10	16	20	25	32	40	
10	10	12	18	22	28	36	45	
12	•	•	•	•	•	•	•	18
16	•	•	•	•	•	•	•	18
20	•	•	•	•	•	•	•	28
25	•	•	•	•	•	•	•	28
30	•	•	•	•	•	•	•	38
32	•	•	•	•	•	•	•	32
40	•	•	•	•	•	•	•	48
50	•	•	•	•	•	•	•	58
60	•	•	•	•	•	•	•	68
80	•	•	•	•	•	•	•	88
100	•	•	•	•	•	•	•	108
120	•	•	•	•	•	•	•	128
140	•	•	•	•	•	•	•	148
160	•	•	•	•	•	•	•	168
180	•	•	•	•	•	•	•	188
200	•	•	•	•	•	•	•	208
250	•	•	•	•	•	•	•	258

Bajo demanda se fabrican todos los diámetros y longitudes.

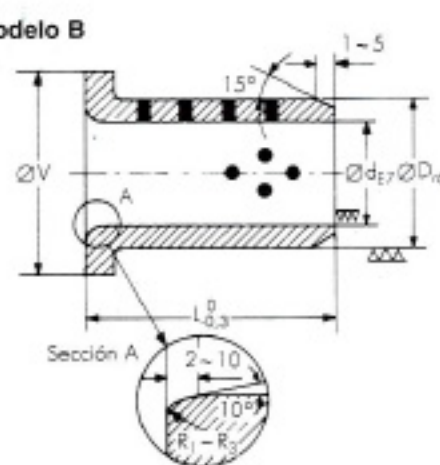
CASQUILLOS BRONCE

CASQUILLOS GRAFITADOS BG

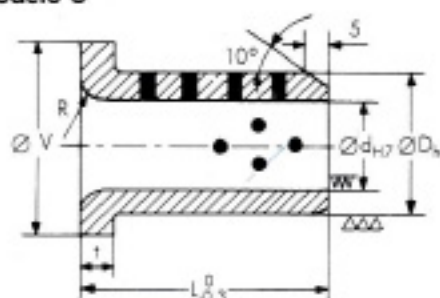
Modelo A



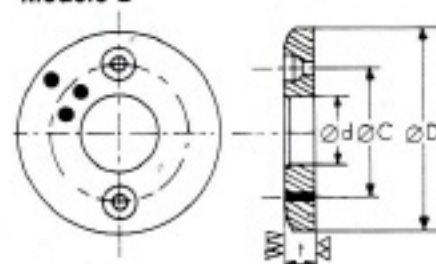
Modelo B



Modelo C



Modelo D



Medidas Standard

REFERENCIA	d	D	L	REFERENCIA	d	D	L
BGA - 1616	16	22	16	BGA - 4040	40	50	40
BGA - 1620	16	22	20	BGA - 4060	40	50	60
BGA - 1625	16	22	25	BGA - 5030	50	60	30
BGA - 1630	16	22	30	BGA - 5050	50	60	50
BGA - 2016	20	30	16	BGA - 5060	50	60	60
BGA - 2020	20	30	20	BGA - 6040	60	75	40
BGA - 2025	20	30	25	BGA - 6060	60	75	60
BGA - 2030	20	30	30	BGA - 6080	60	75	80
BGA - 2520	25	35	20	BGA - 7040	70	85	40
BGA - 2525	25	35	25	BGA - 7070	70	85	70
BGA - 2540	25	35	40	BGA - 70100	70	85	100
BGA - 3020	30	40	20	BGA - 8060	80	100	60
BGA - 3030	30	40	30	BGA - 8080	80	100	80
BGA - 3050	30	40	50	BGA - 80100	80	100	100
BGA - 4030	40	50	30	BGA - 100100	100	120	100

REFERENCIA	d	D	V	L	REFERENCIA	d	D	V	L
BGB - 1615	16	22	29	15	BGB - 4040	40	50	65	40
BGB - 1620	16	22	29	20	BGB - 4050	40	50	65	50
BGB - 1625	16	22	29	25	BGB - 5040	50	60	75	40
BGB - 2015	20	30	40	15	BGB - 5060	50	60	75	60
BGB - 2020	20	30	40	20	BGB - 6040	60	75	90	40
BGB - 2030	20	30	40	30	BGB - 6050	60	75	90	50
BGB - 2520	25	35	45	20	BGB - 6080	60	75	90	80
BGB - 2525	25	35	45	25	BGB - 7050	70	85	105	50
BGB - 2540	25	35	45	40	BGB - 7080	70	85	105	80
BGB - 3030	30	40	50	30	BGB - 8060	80	100	120	60
BGB - 3050	30	40	50	50	BGB - 8080	80	100	120	80
BGB - 4030	40	50	50	30	BGB - 80100	80	100	120	100
					BGB - 100100	100	120	150	100

REFERENCIA	d	D	V	L	t	R
BGC - 20	20	28	36	35	8	2
BGC - 32	32	40	50	55	8	6
BGC - 40	40	50	60	70	8	6
BGC - 42	42	50	60	70	8	6
BGC - 50	50	63	75	75	12	8
BGC - 52	52	63	75	75	12	8
BGC - 63	63	80	90	80	12	8
BGC - 80	80	100	110	100	12	8
BGC - 100	100	125	135	125	12	8

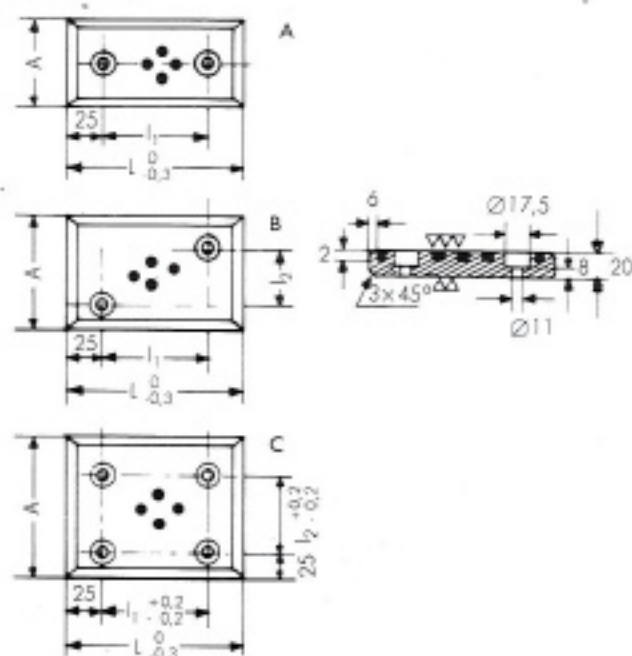
REFERENCIA	d	D	C	t	AGUJERO
BGD - 16	12.2	30	35	3	M 3
BGD - 20	20.2	50	35	5	M 5
BGD - 25	25.2	55	40	5	M 5
BGD - 30	30.2	60	45	5	M 5
BGD - 40	40.2	80	60	7	M 6
BGD - 50	50.2	100	75	8	M 6
BGD - 60	60.3	120	90	8	M 8
BGD - 70	70.3	130	100	10	M 8
BGD - 80	80.3	150	120	10	M 8
BGD - 100	100.5	190	160	10	M 10

REGLETAS BRONCE



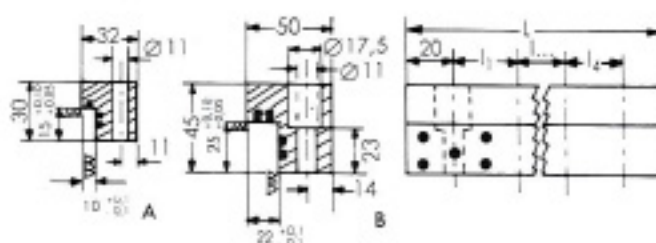
REGLETAS GRAFITADAS BG

Modelo RA



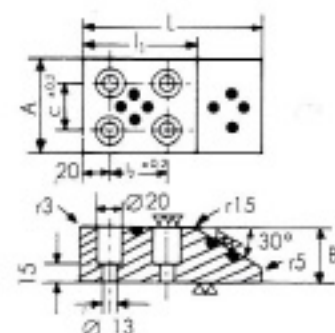
REFERENCIA	A	L	l ₁	l ₂	FORMA
BGRA - 1	48	75	45	—	A
BGRA - 2	48	100	50	—	A
BGRA - 3	48	125	75	—	A
BGRA - 4	48	150	100	—	A
BGRA - 5	75	75	25	25	B
BGRA - 6	75	100	50	25	B
BGRA - 7	75	125	75	—	A
BGRA - 8	75	150	100	—	A
BGRA - 9	75	200	150	—	A
BGRA - 10	100	100	50	50	C
BGRA - 11	100	125	75	50	C
BGRA - 12	100	150	100	50	C
BGRA - 13	100	200	150	50	C
BGRA - 14	100	250	200	50	C
BGRA - 15	125	150	100	50	C
BGRA - 16	125	200	150	50	C
BGRA - 17	125	250	200	50	C
BGRA - 18	150	150	100	100	C
BGRA - 19	150	200	150	100	C
BGRA - 20	150	250	200	100	C

Modelo RB



REFERENCIA	L	l ₁	l ₂	l ₃	l ₄	FORMA
BGRB - 100	100	60	—	—	—	A
BGRB - 150	150	55	55	—	—	A
BGRB - 200	200	55	50	55	—	A
BGRB - 250	250	70	70	70	—	A-B
BGRB - 300	300	65	65	65	65	B
BGRB - 350	350	80	75	75	80	B

Modelo RC



REFERENCIA	A	L	B	C	l ₁	l ₂
BGRC - 1	100	130	30	60	95	50
BGRC - 2	100	150	45	60	90	45
BGRC - 3	100	170	60	60	90	45
BGRC - 4	125	130	30	85	95	50
BGRC - 5	125	150	45	85	90	45
BGRC - 6	125	170	60	85	90	45

NOTA: Fabricamos cualquier otra forma y dimensión bajo plano, como cojinetes hasta Ø 1000 mm y placas hasta 200x1000 mm. para aplicaciones hidráulicas, plantas off-shore, instalaciones siderúrgicas, maquinaria, etc...