



DECLARATION OF CONFORMITY  
DECLARACIÓN DE CONFORMIDAD

**3E Basor**  
CABLE TRAY SPECIALIST  
www.basor.com



The company / *La Empresa:*

**BASOR ELECTRIC, S.A.**

Address / *Dirección:*

Av. Alcodar, 45-47, 46700. Gandía (VLC), Spain.

Declares that the product:

*Declara que el producto:*

**BASORFIX RA**

Installed in accordance to the installation standards, manufacturer's instructions and professional rules, duly maintained and used for the applications as intended.

*Instalado de acuerdo con las normas de instalación, instrucciones del fabricante y conforme a las reglas profesionales, debidamente mantenido y utilizado en las aplicaciones para las que está previsto.*

Complies with the essential requirements of the Council Directives:

*Cumple con los requisitos esenciales de las Directivas del Consejo:*

**2014/35/UE (Low Voltage Directive) / (Directiva de Baja Tensión)**

Incorporated in the Spanish Legislation in: R.D. 187/2016.

*Incorporado en la Legislación Española en: R.D. 187/2016.*

And it is suitable and safe for the intended use and it is in conformity with the following standard:

*Es adecuado y seguro para el uso a que está destinado y es conforme con la siguiente norma:*

**UNE EN 61537**

Additional information:

*Información adicional:*

This product is intended to be installed and maintained by skilled persons, it may be used by ordinary persons only as a replacement part, to substitute for an identical device.

*Este producto está previsto para ser instalado y mantenido por un profesional, puede ser usado por una persona no formada para reemplazamiento de uno idéntico.*

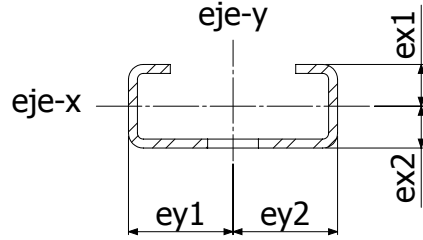
Place and date:

*Lugar y fecha:*

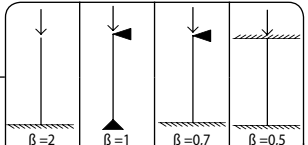
Gandía April 2016

*Gandía Abril 2016*

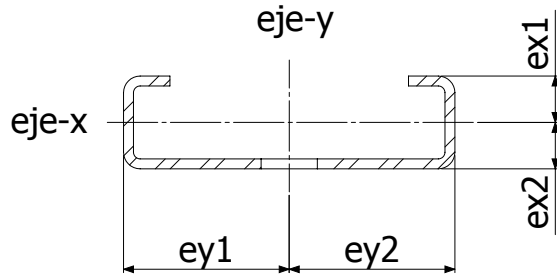
Technical department / *Departamento Técnico*



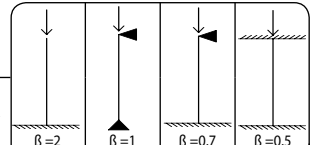
RA 35x14x1,5	
Admissible strength	1,50E+8 N/m <sup>2</sup>
Moment of inertia, Ix	2,83E-9 m <sup>4</sup>
Moment of inertia, Iy	1,82E-8 m <sup>4</sup>
Gross Area	9,82E-5 m <sup>2</sup>
Net Area	1,11E-4 m <sup>2</sup>
Turning Radius x Axis	5,05E-3 m
Turning Radius y Axis	1,28E-2 m
ex1	6,38E-3 m
ex2	7,62E-3 m
ey1	1,75E-2 m
ey2	1,75E-2 m
Section Modulus x Axis	3,72E-7 m <sup>3</sup>
Section Modulus y Axis	1,04E-6 m <sup>3</sup>
Maximum Bending Moment	5,58E+1 Nm



Length / Span	Uniformly distributed load				Point load at mid-span				Uniformly distributed load				Point load at mid-span				Uniformly distributed load				Point load at mid-span								
	Max distributed load (Kg)	Deflection for max. load (mm)	Max distributed load (Kg) for L/200 deflection	Max distributed load (Kg) for L/360 deflection	Max Point load at mid-span (Kg)	Deflection for max. load (mm)	Max point load (Kg) for L/200 deflection	Max point load (Kg) for L/360 deflection	Max distributed load (Kg)	Deflection for max. load (mm)	Max distributed load (Kg) for L/200 deflection	Max distributed load (Kg) for L/360 deflection	Max Point load at mid-span (Kg)	Deflection for max. load (mm)	Max point load (Kg) for L/200 deflection	Max point load (Kg) for L/360 deflection	Max distributed load (Kg)	Deflection for max. load (mm)	Max distributed load (Kg) for L/200 deflection	Max distributed load (Kg) for L/360 deflection	Max Point load (Kg)	Deflection for max. load (mm)	Max point load (Kg) for L/200 deflection	Max point load (Kg) for L/360 deflection	Max. Point Load (kg) applied in outside face	Max. Point Load (kg) applied in outside face	Max. Point Load (kg) applied in outside face	Max. Point Load (kg) applied in outside face	
0,1	446	1	446	446	223	1	223	223	669	1	669	669	446	1	446	446	112	1	112	112	56	1	56	50	499	508	508	508	
0,2	223	1	223	223	111	1	111	111	335	1	335	335	223	1	223	223	56	1	56	33	28	2	22	12	448	499	505	508	
0,3	149	1	149	141	74	1	74	74	223	1	223	223	148	1	148	148	37	3	26	15	19	3	10	6	354	482	498	504	
0,4	112	2	112	79	55	2	55	50	167	1	167	167	111	1	111	111	28	4	15	8	14	5	6	-	264	448	486	499	
0,5	89	3	89	51	44	2	44	32	134	1	134	134	89	1	89	89	22	6	10	5	11	8	-	199	405	467	492		
0,6	74	4	63	35	37	3	37	22	112	2	112	112	74	2	74	74	19	9	7	-	9	12	-	-	354	440	440	482	
0,7	64	5	47	26	31	4	29	16	96	2	96	96	63	2	63	63	16	12	-	-	8	16	-	-	306	410	467	467	
0,8	56	7	36	20	27	5	22	12	84	2	84	84	55	3	55	50	14	15	-	-	7	20	-	-	264	374	448	448	
0,9	50	8	28	16	24	7	18	10	74	3	74	74	49	4	49	39	12	19	-	-	6	26	-	-	228	339	399	426	
1	45	10	23	13	22	8	14	8	67	3	67	63	44	4	44	32	11	24	-	-	6	32	-	-	199	306	306	405	
1,1	41	12	19	10	20	10	12	7	61	4	61	52	40	5	40	26	10	29	-	-	5	38	-	-	-	275	275	379	379
1,2	37	15	16	9	18	11	10	6	56	5	56	44	37	6	37	22	9	34	-	-	5	45	-	-	-	248	248	354	354
1,3	34	17	14	8	17	14	8	-	51	5	51	38	34	7	34	19	9	40	-	-	4	53	-	-	-	224	224	329	329
1,4	32	20	12	6	15	15	7	-	48	6	48	32	31	8	29	16	8	46	-	-	4	62	-	-	-	204	204	306	306
1,5	30	22	10	6	14	17	6	-	45	7	45	28	29	9	25	14	7	53	-	-	4	71	-	-	-	-	-	284	284
1,6	28	25	9	-	13	19	6	-	42	8	42	25	27	10	22	12	7	60	-	-	3	80	-	-	-	-	-	264	264
1,7	26	29	8	-	13	23	-	-	39	9	39	22	26	12	20	11	7	68	-	-	3	91	-	-	-	-	-	245	245
1,8	25	32	7	-	12	25	-	-	37	10	35	20	24	13	18	10	6	76	-	-	3	102	-	-	-	-	-	228	228
1,9	23	36	6	-	11	27	-	-	35	11	32	18	23	14	16	9	6	85	-	-	3	113	-	-	-	-	-	212	212
2	22	40	6	-	11	31	-	-	33	12	29	16	22	16	14	8	6	94	-	-	3	125	-	-	-	-	-	199	199
2,1	21	44	5	-	10	33	-	-	32	13	26	14	21	18	13	7	5	104	-	-	3	138	-	-	-	-	-	-	-
2,2	20	48	-	-	10	38	-	-	30	15	24	13	20	19	12	7	5	114	-	-	3	152	-	-	-	-	-	-	-
2,3	19	52	-	-	9	39	-	-	29	16	22	12	19	21	11	6	5	124	-	-	2	166	-	-	-	-	-	-	-
2,4	19	57	-	-	9	44	-	-	28	17	20	11	18	22	10	6	5	135	-	-	2	180	-	-	-	-	-	-	-
2,5	18	62	-	-	8	44	-	-	27	19	18	10	17	24	9	5	4	147	-	-	2	196	-	-	-	-	-	-	-
2,6	17	67	-	-	8	50	-	-	26	20	17	9	17	27	8	-	4	159	-	-	2	212	-	-	-	-	-	-	-
2,7	17	72	-	-	8	56	-	-	25	22	16	9	16	28	8	-	4	171	-	-	2	228	-	-	-	-	-	-	-
2,8	16	77	-	-	7	54	-	-	24	23	15	8	15	29	7	-	4	184	-	-	2	245	-	-	-	-	-	-	-
2,9	15	83	-	-	7	60	-	-	23	25	14	8	15	33	7	-	4	198	-	-	2	263	-	-	-	-	-	-	-
3	15	88	-	-	7	67	-	-	22	27	13	7	14	34	6	-	4	211	-	-	2	282	-	-	-	-	-	-	-



RA 50x14x1,5	
Admissible strength	1,50E+8 N/m <sup>2</sup>
Moment of inertia, Ix	3,42E-9 m <sup>4</sup>
Moment of inertia, Iy	4,45E-8 m <sup>4</sup>
Gross Area	1,33E-4 m <sup>2</sup>
Net Area	1,21E-4 m <sup>2</sup>
Turning Radius x Axis	5,32E-3 m
Turning Radius y Axis	1,92E-2 m
ex1	9,11E-3 m
ex2	4,89E-3 m
ey1	2,50E-2 m
ey2	2,50E-2 m
Section Modulus x Axis	3,75E-7 m <sup>3</sup>
Section Modulus y Axis	1,78E-6 m <sup>3</sup>
Maximum Bending Moment	5,63E+1 Nm



Length / Span	Uniformly distributed load				Point load at mid-span				Uniformly distributed load				Point load at mid-span				Point load at different positions											
	Max distributed load (Kg)	Deflection for max. load (mm)	Max distributed load (Kg) for L/200 deflection	Max distributed load (Kg) for L/360 deflection	Max Point load at mid-span (Kg)	Deflection for max. load (mm)	Max point load (Kg) for L/200 deflection	Max point load (Kg) for L/360 deflection	Max distributed load (Kg)	Deflection for max. load (mm)	Max distributed load (Kg) for L/200 deflection	Max distributed load (Kg) for L/360 deflection	Max Point load at mid-span (Kg)	Deflection for max. load (mm)	Max point load (Kg) for L/200 deflection	Max point load (Kg) for L/360 deflection	Max distributed load (Kg)	Deflection for max. load (mm)	Max distributed load (Kg) for L/200 deflection	Max distributed load (Kg) for L/360 deflection	Max Point load (Kg)	Deflection for max. load (mm)	Max point load (Kg) for L/200 deflection	Max point load (Kg) for L/360 deflection	Max. Point Load (kg) applied in outside face	Max. Point Load (kg) applied in outside face	Max. Point Load (kg) applied in outside face	Max. Point Load (kg) applied in outside face
0,1	450	1	450	450	225	1	225	225	675	1	675	675	450	1	450	450	113	1	113	113	56	1	56	56	454	461	461	461
0,2	225	1	225	225	112	1	112	112	338	1	338	338	225	1	225	225	56	1	56	40	28	2	27	15	421	454	458	461
0,3	150	1	150	150	75	1	75	75	225	1	225	225	150	1	150	150	38	2	32	18	19	3	12	7	350	443	454	457
0,4	113	2	113	96	56	2	56	56	169	1	169	169	112	1	112	112	28	3	18	10	14	5	7	-	274	421	446	454
0,5	90	3	90	61	45	2	45	38	135	1	135	135	90	1	90	90	23	5	11	6	11	7	-	-	214	389	434	450
0,6	75	3	75	43	37	3	37	27	113	1	113	113	75	2	75	75	19	7	8	-	9	10	-	-	-	350	416	443
0,7	64	5	56	31	32	4	32	20	96	2	96	96	64	2	64	64	16	10	6	-	8	13	-	-	-	311	391	434
0,8	56	6	43	24	28	5	27	15	84	2	84	84	56	3	56	56	14	13	-	-	7	17	-	-	-	274	365	421
0,9	50	7	34	19	25	6	21	12	75	2	75	75	50	3	50	47	13	16	-	-	6	22	-	-	-	241	338	406
1	45	9	28	15	22	7	17	10	68	3	68	68	45	4	45	38	11	20	-	-	6	27	-	-	-	214	311	389
1,1	41	10	23	13	20	8	14	8	61	3	61	61	40	4	40	32	10	24	-	-	5	32	-	-	-	-	285	369
1,2	38	12	19	11	18	10	12	7	56	4	56	53	37	5	37	27	9	28	-	-	5	38	-	-	-	-	261	350
1,3	35	14	16	9	17	11	10	6	52	5	52	45	34	6	34	23	9	33	-	-	4	45	-	-	-	-	238	329
1,4	32	17	14	8	16	13	9	-	48	5	48	39	32	7	32	20	8	38	-	-	4	52	-	-	-	-	218	311
1,5	30	19	12	7	15	15	8	-	45	6	45	34	30	8	30	17	8	44	-	-	4	59	-	-	-	-	200	293
1,6	28	21	11	6	14	17	7	-	42	7	42	30	28	9	27	15	7	50	-	-	4	67	-	-	-	-	-	274
1,7	26	24	10	5	13	19	6	-	40	8	40	26	26	10	24	13	7	57	-	-	3	76	-	-	-	-	-	258
1,8	25	27	9	-	12	21	5	-	38	8	38	24	25	11	21	12	6	64	-	-	3	85	-	-	-	-	-	241
1,9	24	30	8	-	11	22	-	-	36	9	36	21	23	12	19	11	6	71	-	-	3	95	-	-	-	-	-	227
2	23	33	7	-	11	26	-	-	34	10	34	19	22	13	17	10	6	78	-	-	3	105	-	-	-	-	-	214
2,1	21	37	6	-	10	27	-	-	32	11	31	17	21	15	16	9	5	86	-	-	3	116	-	-	-	-	-	200
2,2	20	40	6	-	10	31	-	-	31	12	28	16	20	16	14	8	5	95	-	-	3	127	-	-	-	-	-	-
2,3	20	44	5	-	9	32	-	-	29	13	26	14	19	17	13	7	5	104	-	-	2	139	-	-	-	-	-	-
2,4	19	48	-	-	9	37	-	-	28	15	24	13	18	19	12	7	5	113	-	-	2	151	-	-	-	-	-	-
2,5	18	52	-	-	9	41	-	-	27	16	22	12	18	21	11	6	5	123	-	-	2	164	-	-	-	-	-	-
2,6	17	56	-	-	8	41	-	-	26	17	20	11	17	22	10	6	4	133	-	-	2	177	-	-	-	-	-	-
2,7	17	60	-	-	8	46	-	-	25	18	19	11	16	23	9	5	4	143	-	-	2	191	-	-	-	-	-	-
2,8	16	65	-	-	8	51	-	-	24	20	18	10	16	26	9	-	4	154	-	-	2	205	-	-	-	-	-	-
2,9	16	69	-	-	7	50	-	-	23	21	16	9	15	27	8	-	4	165	-	-	2	220	-	-	-	-	-	-
3	15	74	-	-	7	55	-	-	23	23	15	9	15	30	8	-	4	176	-	-	2	236	-	-	-	-	-	-