

INFORME TECNICO
SERIE DE CERCHAS CINTAC

CLIENTE: CINTAC S.A

RCP/IFT 15/99

SERIE DE CERCHAS ESTANDARES CINTAC

I. BASES GENERALES DE DISEÑO CERCHAS NO HABITABLES (SL/SP)

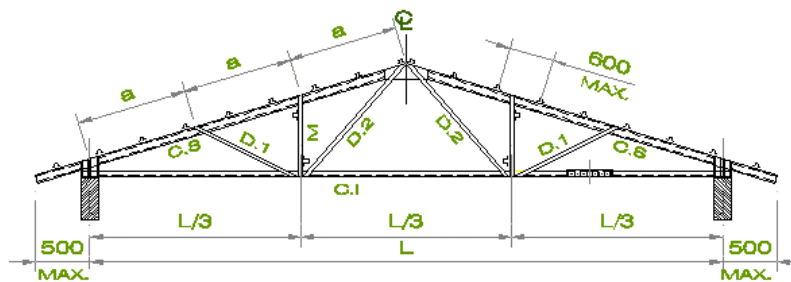
1. SERIE **SL** – CINTAC (TABLA N°1)

- Peso Propio + Sobrecarga PP+SC = 70 kgf/m²
(Se consideró cielo = 15 kgf/m²)
- Velocidad de Diseño por Viento Pb = 120 km./hra
- Distancia entre Cerchas S = 120 cm

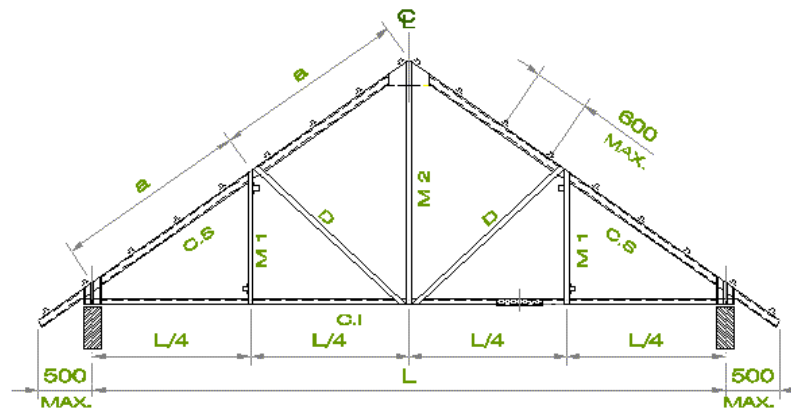
2. SERIE **SP**-CINTAC (TABLA N°2)

- Peso Propio + Sobrecarga PP+SC = 130 kgf/m²
(Se consideró cielo = 15 kgf/m²)
- Velocidad de Diseño por Viento Pb = 120 km./hra
- Distancia entre Cerchas S = 120 cm

3. CONFIGURACIONES



CONFIGURACION PARA $30 \leq p \leq 60$



CONFIGURACION PARA $60 < p \leq 100$

SERIE DE CERCHAS ESTANDARES CINTAC

I. BASES GENERALES DE DISEÑO CERCHAS HABITABLES (SLH/SPH)

1. SERIE **SLH** – CINTAC (TABLA N°3)

- | | |
|---|-------------------------------|
| ▪ Peso Propio + Sobrecarga
(Se consideró cielo = 15 kgf/m ²) | PP+SC = 70 kgf/m ² |
| ▪ Velocidad de Diseño por Viento | Pb = 120 km./hora |
| ▪ Distancia entre Cerchas | S = 120 cm |

2. SERIE **SPH**-CINTAC (TABLA N°4)

- | | |
|---|--------------------------------|
| ▪ Peso Propio + Sobrecarga
(Se consideró cielo = 15 kgf/m ²) | PP+SC = 130 kgf/m ² |
| ▪ Velocidad de Diseño por Viento | Pb = 120 km./hora |
| ▪ Distancia entre Cerchas | S = 120 cm |

3. CONFIGURACIONES

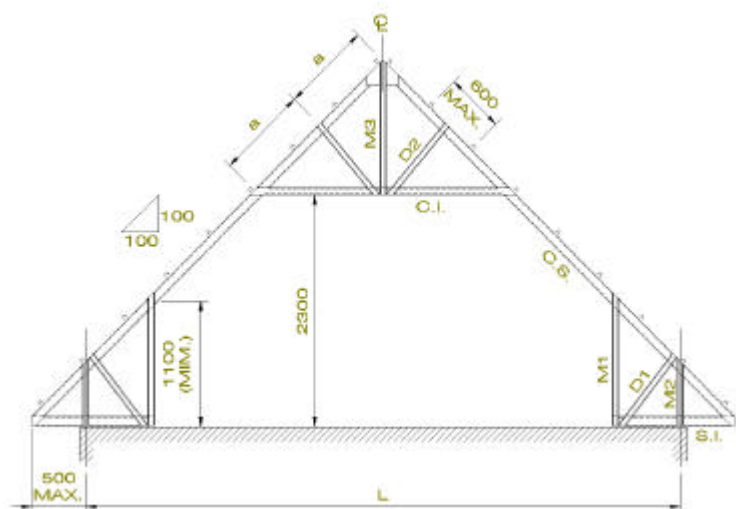
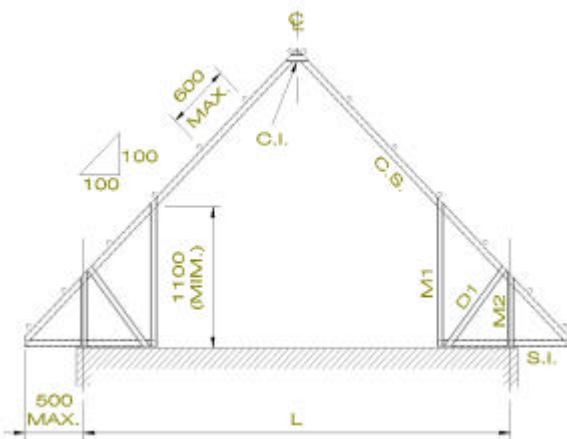


TABLA N°1
SL CERCHAS CINTAC
(PP+SC) = 70 kgf/m²
S = 120 cm.

PENDIENTE [%]	LUZ [m]	C.S.	C.I.	D.1	D.2	M.	ESTAB.
30 ≤ p < 50	4.0 ≤ L < 6.0	60CA085	60CA085	40CA085	40CA088	40CA085	@ L/3
	6.0 ≤ L < 7.0	90CA085	60CA085	40CA085	40CA085	40CA085	@ L/3
	7.0 ≤ L < 8.0	90CA085	90CA085	40CA085	60CA085	40CA085	@ L/3
	8.0 ≤ L < 9.0	90CA10	90CA085	40CA085	60CA085	40CA085	@ L/3
	9.0 ≤ L ≤ 10.0	150CA085	150CA085	40CA085	60CA085	40CA085	@ L/3
50 ≤ p ≤ 60	4.0 ≤ L < 7.0	60CA085	60CA085	40CA085	40CA085	40CA085	@ L/3
	7.0 ≤ L < 8.0	90CA085	90CA085	40CA085	60CA085	40CA085	@ L/3
	8.0 ≤ L < 9.0	90CA085	90CA085	40CA085	60CA085	40CA085	@ L/3
	9.0 ≤ L ≤ 10.0	90CA10	90CA10	40CA085	60CA085	40CA085	@ L/3
PENDIENTE [%]	LUZ [m]	C.S.	C.I.	D.1	M.1	M.2	ESTAB.
60 ≤ p < 80	4.0 ≤ L < 5.0	60CA085	60CA085	40CA085	40CA085	40CA085	@ L/2
	5.0 ≤ L < 6.0	90CA085	60CA085	60CA085	40CA085	40CA085	@ L/2
	6.0 ≤ L < 7.0	90CA085	90CA085	60CA085	40CA085	40CA085	@ L/2
	7.0 ≤ L ≤ 8.0	90CA085	90CA085	60CA085	40CA085	40CA085	@ L/4
80 ≤ p ≤ 100	4.0 ≤ L < 5.0	60CA085	60CA085	40CA085	40CA085	40CA085	@ L/2
	5.0 ≤ L < 6.0	90CA085	60CA085	60CA085	40CA085	40CA085	@ L/2
	6.0 ≤ L < 7.0	90CA085	90CA085	60CA085	40CA085	2-40CA085	@ L/2
	7.0 ≤ L ≤ 8.0	90CA085	90CA085	60CA085	40CA085	2-40CA085	@ L/4

NOMENCLATURA

C.S : CUERDA SUPERIOR
C.I : CUERDA INFERIOR
D.1, D.2 : DIAGONALES
M.1, M.2 : MONTANTES
ESTAB. : ESTABILIZADOR CUERDA INFERIOR

TABLA N°2
SP CERCHAS CINTAC
(PP+SC) = 130 kgf/m²
S = 120 cm.

PENDIENTE [%]	LUZ [m]	C.S.	C.I.	D.1	D.2	M.	ESTAB.
30 ≤ p < 50	4.0 ≤ L < 6.0	90CA085	60CA085	40CA085	40CA085	40CA085	@ L/3
	6.0 ≤ L < 7.0	150CA10	90CA085	40CA085	60CA085	40CA085	@ L/3
	7.0 ≤ L ≤ 8.0	150CA10	90CA085	40CA085	90CA085	40CA085	@ L/3
50 ≤ p ≤ 60	4.0 ≤ L < 6.0	90CA085	60CA085	40CA085	40CA085	40CA085	@ L/3
	6.0 ≤ L < 7.0	90CA085	60CA085	40CA085	60CA085	40CA085	@ L/3
	7.0 ≤ L < 8.0	150CA085	90CA085	40CA085	60CA085	40CA085	@ L/3
	8.0 ≤ L < 9.0	150CA085	90CA085	60CA085	60CA085	60CA085	@ L/3
	9.0 ≤ L ≤ 10.0	150CA10	150CA085	60CA085	60CA085	60CA085	@ L/3
PENDIENTE [%]	LUZ [m]	C.S.	C.I.	D.1	M.1	M.2	ESTAB.
60 ≤ p < 80	4.0 ≤ L < 5.0	60CA085	60CA085	40CA085	40CA085	40CA085	@ L/2
	5.0 ≤ L < 6.0	90CA085	60CA085	60CA085	40CA085	40CA085	@ L/2
	6.0 ≤ L < 7.0	150CA085	90CA085	90CA085	40CA085	60CA085	@ L/2
	7.0 ≤ L ≤ 8.0	150CA10	90CA085	90CA085	40CA085	2-40CA085	@ L/4
80 ≤ p ≤ 100	4.0 ≤ L < 5.0	60CA085	60CA085	40CA085	40CA085	40CA085	@ L/2
	5.0 ≤ L < 6.0	90CA085	60CA085	60CA085	40CA085	40CA085	@ L/2
	6.0 ≤ L < 7.0	90CA10	90CA085	60CA085	40CA085	60CA085	@ L/2
	7.0 ≤ L ≤ 8.0	150CA085	90CA085	90CA085	40CA085	2-40CA085	@ L/4

NOMENCLATURA

C.S : CUERDA SUPERIOR
C.I : CUERDA INFERIOR
D.1, D.2 : DIAGONALES
M.1, M.2 : MONTANTES
ESTAB. : ESTABILIZADOR CUERDA INFERIOR

TABLA N°3
SERIE SLH CINTAC
(PP+SC) = 70 kgf/m²
S = 120 cm

LUZ [m]	C.S.	S.I.	M.1	M.2	D.1	C.I.	D.2	M.3	ESTAB. C.I.
$4 \leq L < 5$	60CA085	60CA085	60CA085	60CA085	40CA085	60CA085			
$5 \leq L \leq 6$	60CA085	60CA085	60CA085	60CA085	40CA085	60CA085	60CA085	40CA085	
$6 < L \leq 7$	60CA085	60CA085	60CA085	60CA085	40CA085	60CA085	60CA085	40CA085	@ L/2
$7 < L \leq 8$	90CA085	90CA085	90CA085	90CA085	90CA085	60CA085	60CA085	60CA085	@ L/2

TABLA N°4
SERIE SPH CINTAC
(PP+SC) = 130 kgf/m²
S = 120 cm

LUZ [m]	C.S.	S.I.	M.1	M.2	D.1	C.I.	D.2	M.3	ESTAB. C.I.
$4 \leq L < 5$	60CA085	60CA085	60CA085	60CA085	40CA085	60CA085			
$5 \leq L \leq 6$	60CA085	60CA085	60CA085	90CA085	60CA085	60CA085	40CA085	40CA085	
$6 < L \leq 7$	90CA085	90CA085	60CA085	90CA085	90CA085	60CA085	60CA085	60CA085	@ L/2
$7 < L \leq 8$	90CA10	90CA085	90CA085	90CA085	90CA085	90CA085	60CA085	60CA085	@ L/2

NOMENCLATURA

C.S.	: CUERDA SUPERIOR
S.I.	: SOLERA INFERIOR.
M.1	: MONTANTE INFERIOR INTERIOR
M.2	: MONTANTE INFERIOR EXTERIOR
D.1	: DIAGONAL INFERIOR
C.I.	: CUERDA INFERIOR
D.2	: DIAGONAL SUPERIOR
M3	: MONTANTE SUPERIOR
ESTAB. C.I.	: ESTABILIZADOR CUERDA INFERIOR