

## Extradosed

| 02)3433-7765 | E-mail: songtairn@ssyenc.co.kr

### 1.

>>>>

470m) ( , 300m)  
( , 500m)

300m

60m

50m

150m

(P.S.C)가

. P.S.C M.S.S(

), I.L.M( ), F.C.M( )

F.C.M 가

125m ,

F.C.M

165m

P.S.C

100 ~ 200m

Extradosed가

### 2. P.S.C

>>>>

M.S.S I.L.M

P.S.C 60m

가 F.C.M

P.S.C

가 가

가

가

가

가

가 ,

P.S.C

100 ~ 200m

100m

가

P.S.C

Extradosed P.S.C 가

### 3. Extradosed

>>>>

Extradosed ' ,  
1988 Jacques Mathivat  
(External Prestressing)

Extradosed

P.S

가

P.S

가

P.S

External Tendon

Extradosed

가

Extradosed

P.S

(斜版式) Fin-back,

Extradosed Ganter (1980)가

Fin-back Extradosed 2 (1996),

Extradosed

Odawara Blueway (1994)가

### 4. Extradosed

>>>>

Extradosed

가

가

Extradosed

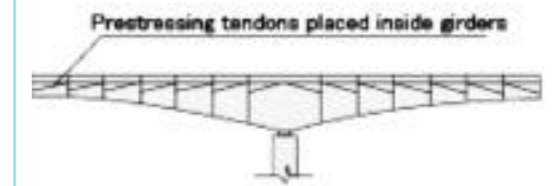
P.S.C

가

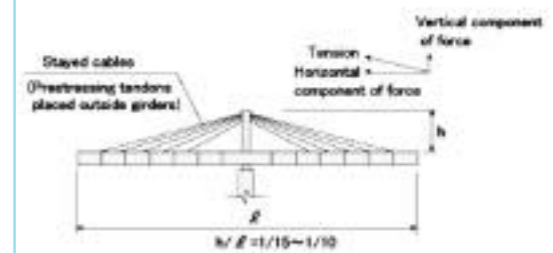
Extradosed

가

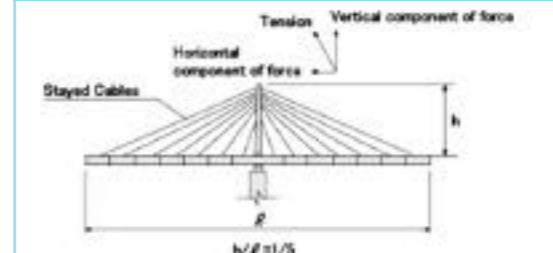
[ 1 ]



[ 2 ] Extradosed



[ 3 ]



가

가

Extradosed

가

가

가

[ 1 ] Extradosed P.S.C			
Extradosed			
	Kisogawa( , 2000)	275m	Skarnsundet( , 1991) 530m
	가 L/30 ~ L/35 ( ) L/50 ~ L/60 ( )		가 2.0 ~ 2.5m
	L/8 ~ L/15		L/3 ~ L/5
	1.5 ~ 3.8 kg/mm <sup>3</sup> f <sub>ra</sub> = 0.6 p <sub>u</sub> Relaxation	가	5.0 ~ 13.0 kg/mm <sup>3</sup> f <sub>ra</sub> = 0.4 p <sub>u</sub>
	Form	가	Form
	가	가	가
	가 P.S		가
	가	가	가
	가	가	가

## 5. Extradosed



Ganter Bridge( , 1980)  
Christian Menn  
Extradosed 1976


1980  
150m Profile

P.S

, P.S

가

Ganter Bridge( , 1980)



Extradosed


- : 678m
- : 174m
- : 10.0m
- : 15.0m( )

Odawara Blueway Bridge  
(小田原港橋, 1994)

Odawara

Extradosed . 1994  
Odawara Blueway  
Extradosed P.S.C  
Saddle

Odawara Blueway Bridge(小田原港橋, 1994)



Extradosed P.S.C

- : 270m
- : 73.3m + 122.3m + 73.3m
- : 13m
- : 10.7m( )
- : 2 Fan


2 ( , 1996)  
1996 2 ( )  
Fin-back Extradosed I.L.M  
External Internal Prestre-  
ssing Upper haunched P.S.C  
P.S 가

Extradosed

I.L.M 가

가  
I.L.M 60m Fin-  
back Extradosed 90m

2 ( , 1996)



Fin-back Extradosed P.S.C

- : 765m
- : 8@45m + 90m + 7@45m
- : 12m
- : 8.5m/3.3m( / )
- : 2

Tsukuhara Bridge(衝原橋, 1998)  
2 Extradosed V  
가 Tsukuhara (衝原大橋)

Odawara Blueway Saddle

Tsukuhara Bridge(衝原橋, 1998)



- : 322.8m
- : 65.4m + 180m + 76.4m
- : 9.25m
- : 1 P.S.C
- : 5.5m/3m( / )
- : 16m( )
- : 2 Fan( 7m)

Yashiro Bridge(屋代橋, 1998)  
Horuriku Shinkansen 1998  
Yashiro Extradosed

1997 田中賞

2 ( , 1996)



Extradosed P.S.C  
 : 340m/200m( / )  
 : 65m+2@105m+65m/55m+99m+55m  
 : 12.8m  
 : 2.5m(3 P.S.C )  
 : 12.0m( )  
 : 2 FLAN( 4.0m)

Sunniberg Bridge( , 1998)

Ganter Christian Menn  
 1996 ~ 1998  
 60m

가 가

Sunniberg Bridge( , 1998)



: 526m  
 : 140m  
 : 9.18m  
 : 14.8m( )  
 : 2 Harp

Shin-Karato Bridge(唐櫃新橋, , 1998)

2 Extradosed

Shin-Karato Bridge(唐櫃新橋, , 1998)

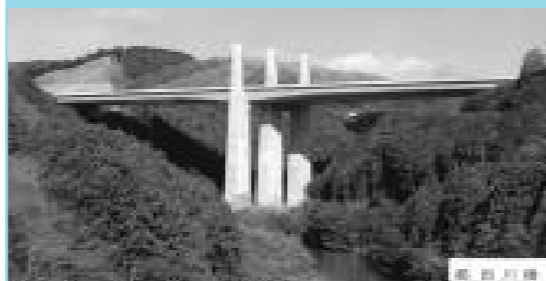


: 285m( )  
 : 74.1m+140m+69.1m  
 : 11.5m  
 : 2 P.S.C  
 : 12m( )  
 : 2 Fan( 4.0m)

Miyakodagawa Bridge(都田川橋, , 2000)

2 Extradosed Miyakodagawa  
 3

Miyakodagawa Bridge(都田川橋, , 2000)



: 268m  
 : 133m+133m  
 : 19.9m  
 : 2 P.S.C  
 : 20m( )  
 : 3 Fan( 6m)

Shikari Bridge(土狩大橋, , 2000)

1 Shikari 3 P.S.C  
 Extradosed

Shikari Bridge(土狩大橋, , 2000)



: 610m  
 : 94m+3@140m+94m  
 : 23m  
 : 3 P.S.C  
 : 6m/3m( / )  
 : 10m( )  
 : 1 Harp( 3.5m)

Kisogawa Bridge(木曾川橋, , 2000)

1 Kisogawa  
 P.S.C

Extradosed 275 m  
 Extradosed

가가  
 가  
 가가

Kisogawa Bridge(木曾川橋, , 2000)



: 1145m  
 : 160m+3@275m+160m  
 : 33m  
 : 3 P.S.C /  
 : 73m/4.3m( / )  
 : 30m  
 : 1 FAN( 5m)

Lao-Nippon Bridge( , 2000)

1,380 m Lao-Nippon 가  
 3 .3 Extradosed

Lao-Nippon Bridge( , 2000)



6. >>>>

Extradosed P.S P.S.C

가가

Extradosed

100 ~ 200m

가

Extradosed

(2

) Extradosed

Extradosed P.S.C ( 130m, 15.0m)