

JF Deck can be used in variety conditions of construction site  
 Flat top surface that allows free placement according to design conditions  
 It is a exclusive deck plate.

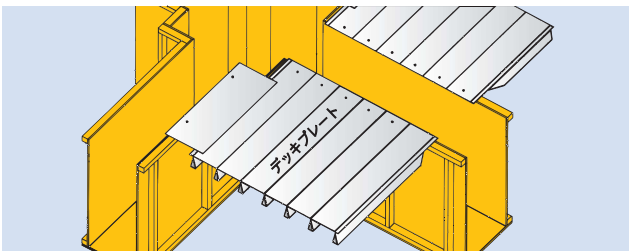
Optional Floor brace  
 Free arrangement  
 Excellent formwork

※RC with slab and headed stud

## FEATURES

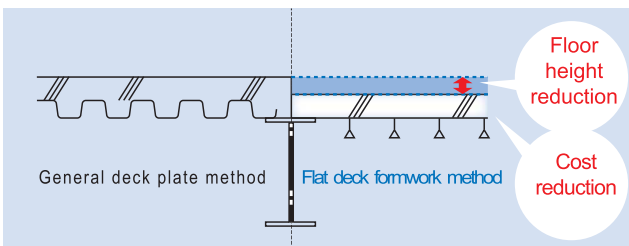
### 1 Steel deck plate for floor formwork

A steel temporary formwork for casting concrete instead of conventional wood formwork



### 3 Economic

Since the upper surface is flat and deck ribs are lower side, the floor height can be lowered, and the amount of concrete and steel reinforcement will be reduced.



### 2 Reduction of construction time

Since formwork support assembly and disassembly are unnecessary, it is possible to shorten the construction time to make effective use of space.



※型枠保工の組立て及び解体として

### 4 Diversity of design and arrangement

A floor formwork with no constraints of the structure and fire resistance, and the freedom of the opening position is reduced. Free arrangement according to design conditions is possible.



Product line up

Name		Rib height	Thickness	
Kumagaya factory	JF75-08	JF100-08	75/100	0.8
	JF75-10	JF100-10		1.0
	JF75-12	JF100-12		1.2
	JF75-14	JF100-14		1.4
	JF75-16	JF100-16		1.6
Kobe Factory	JF75W-08	JF75 Wα -08	75	0.8
	JF75W-10	JF75 Wα -10		1.0
	JF75W-12	JF75 Wα -12		1.2
	JF75W-14	JF75 Wα -14		1.4
	JF75W-16	JF75 Wα -16		1.6

JF Deck Type

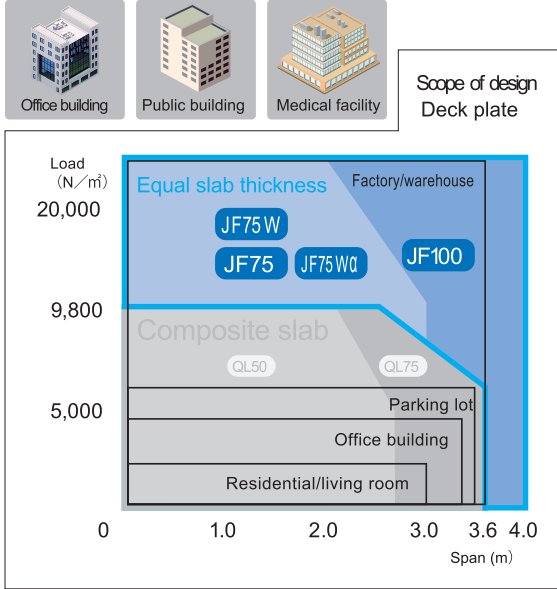
**JF 75 W - 12 G**  
 Rib height: 75mm, Kobe factory, Thickness: 12mm, Surface Treatment: G

G: Zinc coating (Z12)  
 Z: Zinc coating (ZZ7)

**Kumagaya factory** ... Kawaguchi, Saitama Prefecture

**Kobe Factory** ... Hyogo Prefecture Kobe City

用途例・設計適用範囲



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QL DECK Deckplate for composite slab structure

JF DECK Deck for formwork

**5** Easy and secure construction

Because it is lightweight and easy to handle, it can be processed safely and easily.



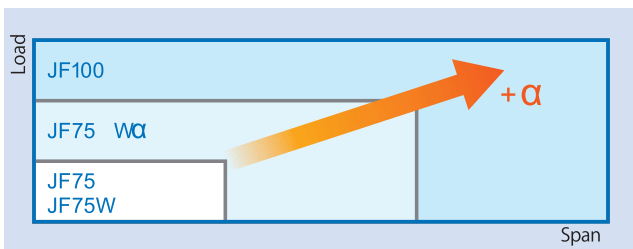
**6** Contributing to environmental conservation

Since dismantling formwork material is not required, waste materials can be greatly reduced.



**7** Wide design scope

By abundant product line up, it functions as a formwork of equal thickness slab that corresponds to long span and high load range.



**8** Comfortable indoor environment

Because it is possible to design with equal-thickness slab, concrete volume can be ensured and sound insulation/vibration performance can be enhanced.



R DECK Deck for reinforcement

QL Roof Deckplate fireproof for 30 minutes

## Specifications

## 1 Size, weight, cross section property

Product name	Standard shape / size	Thickness (mm)	Weight				Section property (1m width)	
			Unit weight (kg/m)		Unit weight (kg/m <sup>2</sup> )		Full section 2nd moment of inertia ( $\times 10^4 \text{ mm}^4/\text{m}$ )	Effective width Section modulus ( $\times 10^3 \text{ mm}^3/\text{m}$ )
			Zinc coating					
			Z12	Z27	Z12	Z27		
JF75-08	Kumagaya fac.	0.8	7.95	8.19	12.6	13.0	120	18.7
JF75-10		1.0	9.88	10.1	15.7	16.0	150	24.4
JF75-12		1.2	11.8	12.1	18.7	19.2	180	29.4
JF75-14		1.4	13.7	14.0	21.8	22.2	206	34.4
JF75-16		1.6	15.7	15.9	24.9	25.2	232	39.3
JF75 Wα -08		Kobe fac.	0.8	7.97	8.21	12.6	13.0	125
JF75W -08		1.0	9.88	10.1	15.7	16.1	120	18.7
JF75 Wα -10		1.2	11.8	12.0	18.7	19.1	156	25.6
JF75W-10		1.4	13.6	13.9	21.6	22.0	150	24.4
JF75 Wα -12		1.6	15.5	15.7	24.6	25.0	185	31.0
JF75W-12		1.2	11.8	12.0	18.7	19.1	180	29.4
JF75 Wα -14		1.4	13.6	13.9	21.6	22.0	212	36.2
JF75W-14		1.6	15.5	15.7	24.6	25.0	206	34.4
JF75 Wα -16		1.4	13.6	13.9	21.6	22.0	239	41.4
JF75W-16		1.6	15.5	15.7	24.6	25.0	232	39.3
JF100-08	Kumagaya fac.	0.8	6.11	6.29	15.3	15.7	271	34.0
JF100-10		1.0	7.57	7.75	18.9	19.4	352	46.8
JF100-12		1.2	9.01	9.20	22.5	23.0	420	56.4
JF100-14		1.4	10.5	10.6	26.2	26.5	485	66.5
JF100-16		1.6	11.9	12.1	29.8	30.2	550	76.2

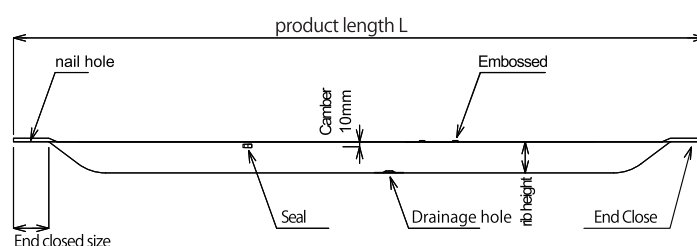
## 2 Material · Specification

Name	Type of Symbol	Coating symbol	Min. amount of zinc	Use material
Zinc coating	SGCC SGHC	Z12	120g/m <sup>2</sup>	JIS G 3302 hot dip galvanized steel sheet and plate
		*1Z27	275g/m <sup>2</sup>	

\*1 Please inquire in advance about Z27. \*2 JF75 Wα : 235 N/mm<sup>2</sup>

## 4 Processing specification

## ■ Name



Note: KP-08 is for end closed processing only

## 3 High performance steel plate

■ JFE ECOGAL<sup>®</sup>

JIS G 3317

"Molten zinc - 5% aluminum alloy plated steel sheet and steel strip"

■ ZAM<sup>®</sup>

JIS G 3323

"Hot-dip zinc-aluminum-magnesium alloy plated steel sheet and steel strip"

\* JFE ECOGAL is a registered trademark of JFE Steel Sheet Co., Ltd.

\* ZAM is a registered trademark of Nisshin Steel Corporation.

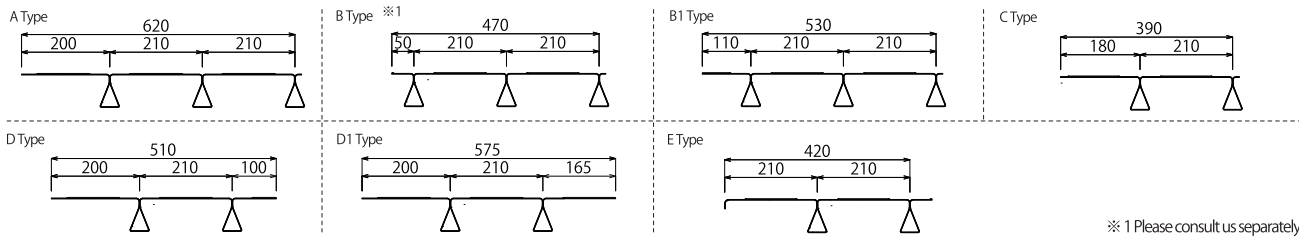
\* Please consult in advance about Eco GAL · ZAM products.

## ■ Product length · End closed size

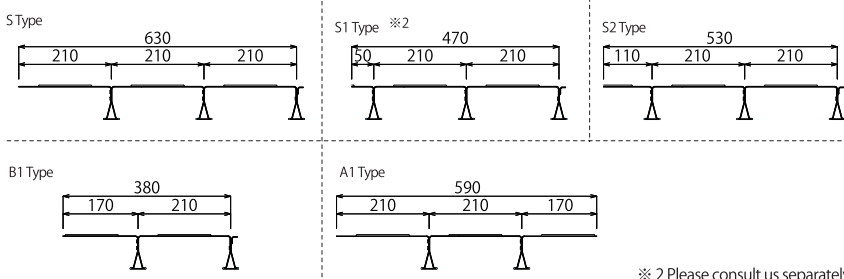
Type	Product length: L (mm)	End closed size (mm)
JF75	750~4,900	85
	1,000~4,900	50,120
JF75W α	1,000~5,700	85,50
JF75W	1,000~4,900	
JF100	1,300~4,900	85,55
KP-08	350~1200	85

Note: Please consult us beforehand for products exceeding 4,900 mm.

Official shape and dimensions



※ 1 Please consult us separately.



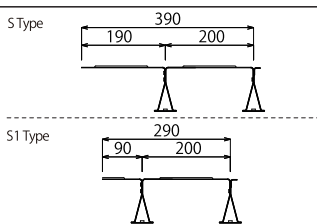
※ 2 Please consult us separately.

■ JFPL (Adjustment plate) Kumagaya fac. Kobe fac.

Thickness: [arrow] width: [arrow]

Nail hole processing (@ 600 mm)

Name	W (mm)	t (mm)	Length (mm)
JFPL200	200	1.2	1,000
JFPL300	300	1.2	2,000
JFPL400	400	1.6	



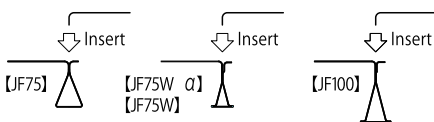
■ KP-08 (keystone plate) Kumagaya fac. Kobe fac.

Thickness (mm)	Product weight				Section property (1m width)	
	Unit weight (kg/m)	Unit weight (kg/m <sup>2</sup> )	Full section	Effective width	2nd moment of inertia	Section modulus
0.8	Z12	Z27	Z12	Z27	I (×10 <sup>4</sup> mm <sup>4</sup> /m)	Z (×10 <sup>3</sup> mm <sup>3</sup> /m)
	5.89	6.07	(9.5)	(9.8)	12.2	9.8

※ The figures in parentheses indicate cases with an allocation width of 620mm.

■ Joint details

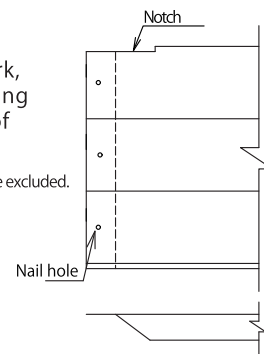
Join the next tip into the end rib.



■ Nail hole details

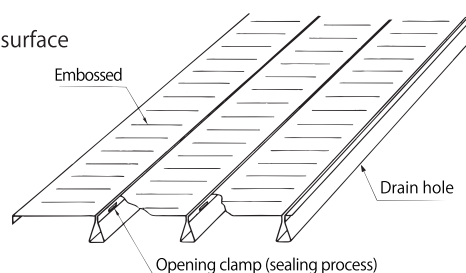
When used for formwork, apply nail hole processing in the width direction of the deck plate.

※ End closing size 50 mm and KP 08 are excluded.



■ Emboss, drain hole and opening stop

- (1) Embossing is applied in the width direction of the upper flange surface to increase the rigidity.
- (2) The drain hole is processed on the bottom of the rib.
- (3) Sealing has been applied at the top of the rib for opening.



QL DECK Deckplate for composite slab structure

JF DECK Deck for formwork

R DECK Deck for reinforcement

QL Roof Deckplate fireproof for 30 minutes

## Design data

## 1 JF75・JF75W [(One company) Public Building Association Specification)]

■ Quick Reference Table of Allowable Span for Slab Thickness [Load at construction 1,470N/m<sup>2</sup>, Consideration of construction extension factor] ※ Refer P.52 Unit (mm)

Building structure		Steel Structure, RC Structure, SRC Structure					RC · SRC		RC · SRC
Installation type		Type I [Incremental coefficient during construction: $\alpha = 1.0$ ]					Type II [ $\alpha = 1.25$ ]		Type III [ $\alpha = 1.5$ ]
Slab thickness S (mm)	deck thickness t (mm)	0.8mm	1.0mm	1.2mm	1.4mm	1.6mm	1.0mm	1.2mm	0.8mm
		Normal Concrete 24kN/m <sup>3</sup>	120	2,610	2,870	3,040	3,160	3,270	2,660
125	2,580		2,850	3,010	3,130	3,250	2,630	2,870	2,100
130	2,540		2,830	2,990	3,110	3,220	2,590	2,840	2,080
135	2,510		2,810	2,960	3,090	3,200	2,560	2,800	2,050
140	2,480		2,790	2,940	3,060	3,170	2,530	2,770	2,030
145	2,450		2,770	2,920	3,040	3,150	2,500	2,740	2,000
150	2,420		2,750	2,900	3,020	3,130	2,470	2,700	1,980
155	2,400		2,730	2,880	3,000	3,110	2,440	2,670	1,960
160	2,370		2,700	2,860	2,980	3,080	2,410	2,640	1,930
165	2,340		2,670	2,840	2,960	3,060	2,390	2,620	1,910
170	2,320		2,640	2,820	2,940	3,040	2,360	2,590	1,890
175	2,300		2,620	2,800	2,920	3,020	2,340	2,560	1,870
180	2,270		2,590	2,790	2,900	3,010	2,320	2,540	1,850
185	2,250		2,560	2,770	2,880	2,990	2,290	2,510	1,840
190	2,230		2,540	2,750	2,870	2,970	2,270	2,490	1,820
195	2,210		2,510	2,740	2,850	2,950	2,250	2,460	1,800
200	2,180		2,490	2,720	2,830	2,940	2,230	2,440	1,780
250	2,000	2,290	2,500	2,690	2,790	2,040	2,240	1,640	
300	1,860	2,120	2,330	2,510	2,660	1,900	2,080	1,520	
Light weight Concrete 20kN/m <sup>3</sup>	120	2,760	2,980	3,140	3,270	3,390	2,810	3,080	2,260
	125	2,730	2,950	3,120	3,250	3,360	2,780	3,040	2,230
	130	2,700	2,930	3,100	3,220	3,340	2,750	3,010	2,200
	135	2,670	2,910	3,070	3,200	3,310	2,710	2,970	2,180
	140	2,640	2,890	3,050	3,180	3,290	2,680	2,940	2,150
	145	2,610	2,870	3,030	3,150	3,270	2,650	2,900	2,130
	150	2,580	2,850	3,010	3,130	3,250	2,630	2,870	2,100
	155	2,550	2,830	2,990	3,110	3,220	2,600	2,840	2,080
	160	2,520	2,810	2,970	3,090	3,200	2,570	2,810	2,060
	165	2,500	2,800	2,950	3,070	3,180	2,540	2,780	2,040
	170	2,470	2,780	2,940	3,060	3,160	2,520	2,760	2,020
	175	2,450	2,760	2,920	3,040	3,150	2,490	2,730	2,000
	180	2,420	2,750	2,900	3,020	3,130	2,470	2,700	1,980
	185	2,400	2,730	2,880	3,000	3,110	2,450	2,680	1,960
	190	2,380	2,710	2,870	2,980	3,090	2,420	2,650	1,940
	195	2,360	2,690	2,850	2,970	3,070	2,400	2,630	1,920
	200	2,340	2,660	2,840	2,950	3,060	2,380	2,610	1,910
250	2,150	2,450	2,690	2,810	2,910	2,190	2,400	1,760	
300	2,000	2,290	2,500	2,690	2,790	2,040	2,240	1,640	

(1) Elastic range :  $f_b = 205 \text{ N/mm}^2$ (2) Allowable sag :  $\delta_a = 1,000L/180 + 5.0 \text{ mm}$ 

(3) Scope select the span, take the minimum parameter of elasticity and sag. And [ ] displays the scope of sag.

Allowable span with support system [construction load at 1.470N/m<sup>2</sup>]

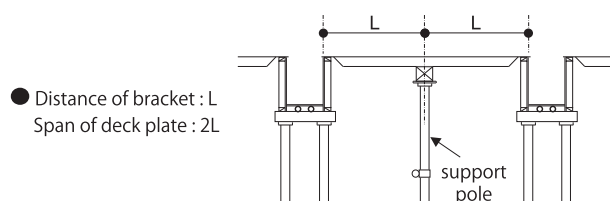
Unit (mm)

Installation type		Type I			Type II			Type III		
Incremental coefficient $\alpha$		1.0			1.25			1.5		
Type	Slab S mm	Deck plate t (mm)								
		0.8	1.0	1.2	1.0	1.2	0.8			
Normal Concrete 24kN/m <sup>3</sup>	120	4,370	4,900	4,900	4,900	4,900	4,270			
	130	4,150	4,900	4,900	4,900	4,900	4,150			
	140	3,950	4,900	4,900	4,900	4,900	3,950			
	150	3,770	4,900	4,900	4,900	4,900	3,770			
	160	3,600	4,900	4,900	4,830	4,900	3,600			
	170	3,450	4,900	4,900	4,730	4,900	3,450			
	180	3,310	4,900	4,900	4,640	4,900	3,310			
	190	3,180	4,750	4,900	4,540	4,900	3,180			
	200	3,060	4,570	4,900	4,460	4,880	3,060			
	250	2,570	3,850	4,900	3,850	4,480	2,570			
300	2,220	3,330	4,420	3,330	4,170	2,220				
Type	Slab S mm	Deck plate t (mm)								
		0.8	1.0	1.2	1.0	1.2	0.8			
Light weight Concrete 20kN/m <sup>3</sup>	120	4,900	4,900	4,900	4,900	4,900	4,520			
	130	4,670	4,900	4,900	4,900	4,900	4,410			
	140	4,450	4,900	4,900	4,900	4,900	4,310			
	150	4,260	4,900	4,900	4,900	4,900	4,210			
	160	4,080	4,900	4,900	4,900	4,900	4,080			
	170	3,920	4,900	4,900	4,900	4,900	3,920			
	180	3,770	4,900	4,900	4,900	4,900	3,770			
	190	3,630	4,900	4,900	4,850	4,900	3,630			
	200	3,500	4,900	4,900	4,770	4,900	3,500			
	250	2,970	4,430	4,900	4,390	4,810	2,970			
300	2,570	3,850	4,900	3,850	4,480	2,570				

(1) Numerical values in the table indicate allowable slab span 2L which is determined by the allowable bearing load of the deck plate rib when providing intermediate support. (Refer to page 52 for the allowable bearing load)

(2) [ ] The part is determined by the specification of the span length (1.0 m - 4.9 m) of the deck plate formwork.

(2) In case of using RC or SRC construction with a deck plate placed on a beam side plate form, in principle, it is necessary to provide an intermediate support when the slab span exceeds 3.0 m.



**2** JF75 WQ [Construction Material Test Center Quality performance confirmation (No. 16 A 0 700)]

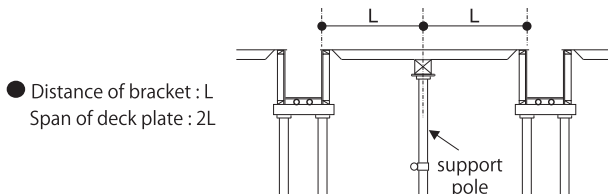
■ Quick Reference Table of Allowable Span for Slab Thickness [Load at construction 1.470N/m<sup>2</sup>, Consideration of construction extension factor] ※ Refer P.52 Unit (mm)

Building structure		Steel Structure, RC Structure, SRC Structure					RC · SRC		RC · SRC		
Installation type		Type I [Incremental coefficient during construction: α = 1.0]					Type II [α = 1.25]		Type III [α = 1.5]		
Slab thickness S (mm)		deck thickness t (mm)		0.8mm	1.0mm	1.2mm	1.4mm	1.6mm	1.0mm	1.2mm	0.8mm
Normal Concrete 24kN/m <sup>3</sup>	120	2.720	2.910	3.060	3.190	3.300	2.910	3.060	2.370		
	125	2.700	2.890	3.040	3.160	3.280	2.880	3.040	2.340		
	130	2.680	2.860	3.010	3.140	3.250	2.840	3.010	2.310		
	135	2.660	2.840	2.990	3.110	3.230	2.810	2.990	2.280		
	140	2.640	2.820	2.970	3.090	3.200	2.770	2.970	2.260		
	145	2.620	2.800	2.950	3.070	3.180	2.740	2.950	2.230		
	150	2.600	2.780	2.930	3.050	3.160	2.710	2.930	2.200		
	155	2.580	2.760	2.910	3.030	3.130	2.680	2.910	2.180		
	160	2.570	2.740	2.890	3.000	3.110	2.650	2.890	2.150		
	165	2.550	2.720	2.870	2.980	3.090	2.620	2.870	2.130		
	170	2.530	2.710	2.850	2.970	3.070	2.590	2.850	2.110		
	175	2.520	2.690	2.830	2.950	3.050	2.570	2.820	2.090		
	180	2.500	2.670	2.810	2.930	3.030	2.540	2.790	2.060		
	185	2.480	2.660	2.790	2.910	3.020	2.510	2.760	2.040		
	190	2.470	2.640	2.780	2.890	3.000	2.490	2.730	2.020		
	195	2.450	2.620	2.760	2.880	2.980	2.470	2.710	2.000		
200	2.430	2.610	2.750	2.860	2.960	2.440	2.680	1.980			
250	2.230	2.470	2.600	2.710	2.810	2.240	2.460	1.820			
300	2.070	2.330	2.490	2.590	2.690	2.080	2.290	1.690			
Light weight Concrete 20kN/m <sup>3</sup>	120	2.820	3.010	3.170	3.300	3.420	3.010	3.170	2.510		
	125	2.800	2.990	3.150	3.280	3.390	2.990	3.150	2.480		
	130	2.780	2.970	3.120	3.250	3.370	2.970	3.120	2.450		
	135	2.760	2.950	3.100	3.230	3.340	2.950	3.100	2.420		
	140	2.740	2.930	3.080	3.210	3.320	2.930	3.080	2.400		
	145	2.720	2.910	3.060	3.180	3.300	2.910	3.060	2.370		
	150	2.700	2.890	3.040	3.160	3.280	2.880	3.040	2.340		
	155	2.680	2.870	3.020	3.140	3.260	2.850	3.020	2.320		
	160	2.670	2.850	3.000	3.120	3.230	2.820	3.000	2.290		
	165	2.650	2.830	2.980	3.100	3.210	2.790	2.980	2.270		
	170	2.630	2.810	2.960	3.080	3.190	2.760	2.960	2.250		
	175	2.620	2.800	2.940	3.060	3.180	2.740	2.940	2.220		
	180	2.600	2.780	2.930	3.050	3.160	2.710	2.930	2.200		
	185	2.590	2.760	2.910	3.030	3.140	2.680	2.910	2.180		
	190	2.570	2.750	2.890	3.010	3.120	2.660	2.890	2.160		
	195	2.560	2.730	2.880	2.990	3.100	2.640	2.880	2.140		
200	2.540	2.720	2.860	2.980	3.090	2.610	2.860	2.120			
250	2.390	2.580	2.720	2.830	2.940	2.410	2.640	1.950			
300	2.230	2.470	2.600	2.710	2.810	2.240	2.460	1.820			

- (1) Elastic range :  $f_b = 235 \text{ N/mm}^2$  (2) Allowable sag :  $\delta_a = 1,000L/180 + 5.0 \text{ mm}$   
 (3) Scope select the span, take the minimum parameter of elasticity and sag. And [ ] displays the scope of sag.

**Allowable span with support system [construction load at 1.470N/m<sup>2</sup>]**

Installation type		Type I			Type II		Type III	Installation type		Type I			Type II		Type III		
Incremental coefficient α		1.0			1.25		1.5	Incremental coefficient		1.0			1.25		1.5		
Type	Slab S mm	Deck plate t (mm)							Type	Slab S mm	Deck plate t (mm)						
		0.8	1.0	1.2	1.0	1.2	0.8			0.8	1.0	1.2	1.0	1.2	0.8		
Normal Concrete 24kN/m <sup>3</sup>	120	5,440	5,700	5,700	5,700	5,700	4,740	Light weight Concrete 20kN/m <sup>3</sup>	120	5,640	5,700	5,700	5,700	5,700	5,020		
	130	5,360	5,700	5,700	5,680	5,700	4,620		130	5,560	5,700	5,700	5,700	5,700	4,900		
	140	5,280	5,640	5,700	5,540	5,700	4,520		140	5,480	5,700	5,700	5,700	5,700	4,800		
	150	5,200	5,560	5,700	5,420	5,700	4,400		150	5,400	5,700	5,700	5,700	5,700	4,680		
	160	5,140	5,480	5,700	5,300	5,700	4,300		160	5,340	5,700	5,700	5,640	5,700	4,580		
	170	5,060	5,420	5,700	5,180	5,700	4,220		170	5,260	5,620	5,700	5,520	5,700	4,500		
	180	4,960	5,340	5,620	5,080	5,580	4,120		180	5,200	5,560	5,700	5,420	5,700	4,400		
	190	4,760	5,280	5,560	4,980	5,460	4,040		190	5,140	5,500	5,700	5,320	5,700	4,320		
	200	4,580	5,220	5,500	4,880	5,360	3,960		200	5,080	5,440	5,700	5,220	5,700	4,240		
	250	3,860	4,940	5,200	4,480	4,920	3,640		250	4,440	5,160	5,440	4,820	5,280	3,900		
300	3,340	4,660	4,980	4,160	4,580	3,340	300	3,860	4,940	5,200	4,480	4,920	3,640				



- (1) Numerical values in the table indicate allowable slab span 2L which is determined by the allowable bearing load of the deck plate rib when providing intermediate support. (Refer to page 52 for the allowable bearing load)  
 (2) [ ] The part is determined by the specification of the span length (1.0 m - 4.9 m) of the deck plate formwork.  
 (2) In case of using RC or SRC construction with a deck plate placed on a beam side plate form, in principle, it is necessary to provide an intermediate support when the slab span exceeds 3.0 m.

QL DECK Deckplate for composite slab structure

JF DECK Deck for formwork

R DECK Deck for reinforcement

QL Roof Deckplate fireproof for 30 minutes

Design data

3 JF100 [Building Material Test Center Quality performance confirmation (No. 15 A 2530)]

Quick Reference Table of Allowable Span for Slab Thickness [Load at construction 1,470N/m<sup>2</sup>, Consideration of construction extension factor] ※ Refer P.52 Unit (mm)

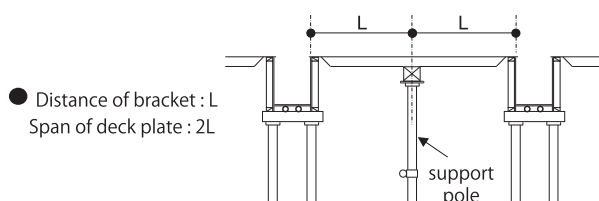
Building structure		Steel Structure, RC Structure, SRC Structure					RC · SRC		RC · SRC
Installation type		Type I [Incremental coefficient during construction: α = 1.0]					Type II [α = 1.25]		Type III [α = 1.5]
Slab thickness S (mm)	deck thickness t (mm)	0.8mm	1.0mm	1.2mm	1.4mm	1.6mm	1.0mm	1.2mm	0.8mm
		Normal Concrete 24kN/m <sup>3</sup>	120	3,460	3,740	3,950	4,120	4,270	3,670
125	3,430		3,710	3,910	4,090	4,240	3,630	3,910	2,830
130	3,400		3,680	3,880	4,050	4,210	3,580	3,880	2,800
135	3,370		3,650	3,850	4,020	4,180	3,540	3,850	2,760
140	3,340		3,630	3,820	3,990	4,140	3,490	3,820	2,730
145	3,300		3,600	3,800	3,960	4,110	3,450	3,780	2,690
150	3,260		3,570	3,770	3,930	4,080	3,410	3,730	2,660
155	3,230		3,550	3,740	3,910	4,060	3,370	3,690	2,630
160	3,190		3,520	3,720	3,880	4,030	3,340	3,650	2,600
165	3,160		3,500	3,690	3,850	4,000	3,300	3,610	2,580
170	3,120		3,480	3,670	3,830	3,980	3,270	3,580	2,550
175	3,090		3,450	3,640	3,800	3,950	3,230	3,540	2,520
180	3,060		3,430	3,620	3,780	3,930	3,200	3,500	2,500
185	3,030		3,410	3,600	3,760	3,900	3,170	3,470	2,470
190	3,000		3,390	3,580	3,740	3,880	3,140	3,440	2,450
195	2,970	3,370	3,560	3,710	3,860	3,110	3,400	2,420	
200	2,940	3,350	3,540	3,690	3,830	3,080	3,370	2,400	
250	2,700	3,160	3,350	3,500	3,640	2,830	3,100	2,200	
300	2,510	2,940	3,200	3,350	3,480	2,630	2,880	2,050	
Light weight Concrete 20kN/m <sup>3</sup>	120	3,580	3,880	4,090	4,260	4,420	3,880	4,090	3,040
	125	3,550	3,850	4,060	4,230	4,390	3,840	4,060	3,000
	130	3,530	3,820	4,030	4,200	4,360	3,790	4,030	2,960
	135	3,500	3,790	4,000	4,170	4,330	3,750	4,000	2,930
	140	3,480	3,760	3,970	4,140	4,300	3,710	3,970	2,900
	145	3,450	3,740	3,940	4,110	4,270	3,670	3,940	2,860
	150	3,430	3,710	3,910	4,090	4,240	3,630	3,910	2,830
	155	3,410	3,690	3,890	4,060	4,210	3,590	3,890	2,800
	160	3,380	3,660	3,860	4,030	4,190	3,550	3,860	2,770
	165	3,360	3,640	3,840	4,010	4,160	3,520	3,840	2,740
	170	3,330	3,620	3,810	3,980	4,130	3,480	3,810	2,720
	175	3,300	3,600	3,790	3,960	4,110	3,450	3,770	2,690
	180	3,260	3,570	3,770	3,930	4,080	3,410	3,730	2,660
	185	3,230	3,550	3,750	3,910	4,060	3,380	3,700	2,640
	190	3,200	3,530	3,730	3,890	4,040	3,350	3,670	2,610
195	3,170	3,510	3,700	3,870	4,020	3,320	3,630	2,590	
200	3,140	3,490	3,680	3,850	3,990	3,290	3,600	2,570	
250	2,900	3,320	3,500	3,660	3,800	3,030	3,320	2,360	
300	2,700	3,160	3,350	3,500	3,640	2,830	3,100	2,200	

- (1) Elastic range :  $f_b = 205 \text{ N/mm}^2$
- (2) Allowable sag :  $\delta_a = 1,000L/180 + 5.0 \text{ mm}$
- (3) Scope select the span, take the minimum parameter of elasticity and sag. And [ ] displays the scope of sag.

Allowable span with support system [construction load at 1.470N/m<sup>2</sup>]

Unit (mm)

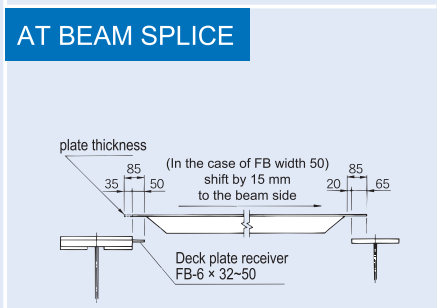
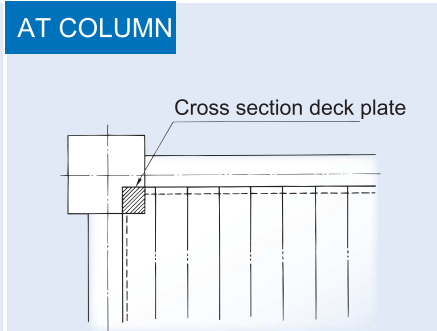
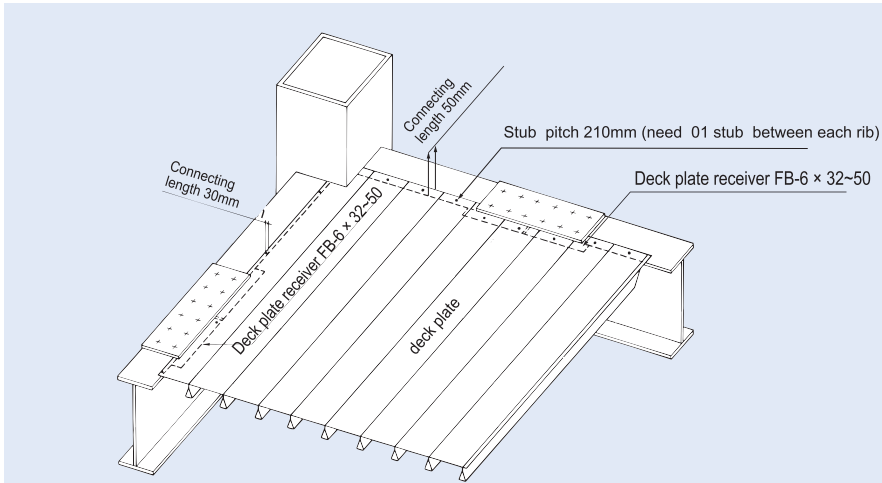
Installation type		Type I	Type II	Type III	Installation type		Type I	Type II	Type III						
Incremental coefficient		1.0			1.25			1.5							
Type	Slab S mm	Deck plate t (mm)						Type	Slab S mm	Deck plate t (mm)					
		0.8	1.0	1.2	1.0	1.2	0.8			0.8	1.0	1.2	1.0	1.2	0.8
Normal Concrete 24kN/m <sup>3</sup>	120	4,350	4,900	4,900	4,900	4,900	4,350	Light weight Concrete 20kN/m <sup>3</sup>	120	4,870	4,900	4,900	4,900	4,900	4,870
	130	4,130	4,900	4,900	4,900	4,900	4,130		130	4,640	4,900	4,900	4,900	4,900	4,640
	140	3,930	4,900	4,900	4,900	4,900	3,930		140	4,430	4,900	4,900	4,900	4,900	4,430
	150	3,750	4,900	4,900	4,900	4,900	3,750		150	4,240	4,900	4,900	4,900	4,900	4,240
	160	3,580	4,900	4,900	4,900	4,900	3,580		160	4,060	4,900	4,900	4,900	4,900	4,060
	170	3,430	4,900	4,900	4,900	4,900	3,430		170	3,900	4,900	4,900	4,900	4,900	3,900
	180	3,290	4,900	4,900	4,900	4,900	3,290		180	3,750	4,900	4,900	4,900	4,900	3,750
	190	3,170	4,730	4,900	4,730	4,900	3,170		190	3,610	4,900	4,900	4,900	4,900	3,610
	200	3,050	4,550	4,900	4,550	4,900	3,050		200	3,480	4,900	4,900	4,900	4,900	3,480
	250	2,570	3,840	4,900	3,840	4,900	2,570		250	2,960	4,410	4,900	4,410	4,900	2,960
300	2,220	3,320	4,400	3,320	4,400	2,220	300	2,570	3,840	4,900	3,840	4,900	2,570		



- (1) Numerical values in the table indicate allowable slab span 2L which is determined by the allowable bearing load of the deck plate rib when providing intermediate support. (Refer to page 52 for the allowable bearing load)
- (2) [ ] The part is determined by the specification of the span length (1.0 m - 4.9 m) of the deck plate formwork.
- (2) In case of using RC or SRC construction with a deck plate placed on a beam side plate form, in principle, it is necessary to provide an intermediate support when the slab span exceeds 3.0 m.

Fitting Standard

1 STRUCTURE S (Steel frame structure)



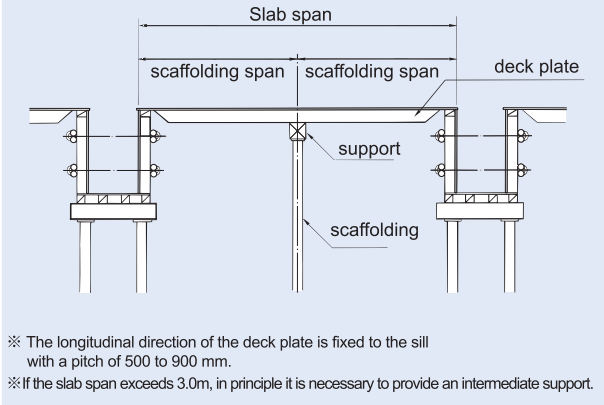
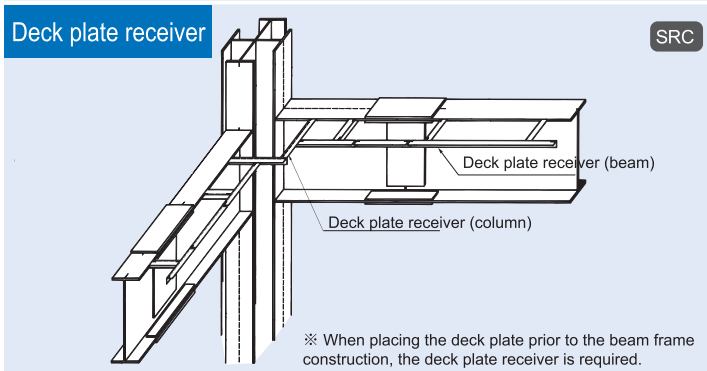
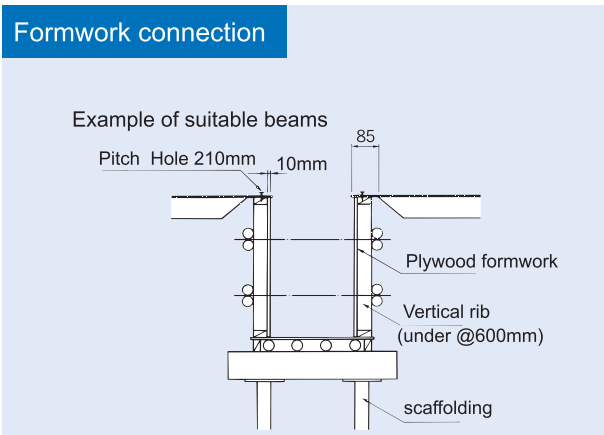
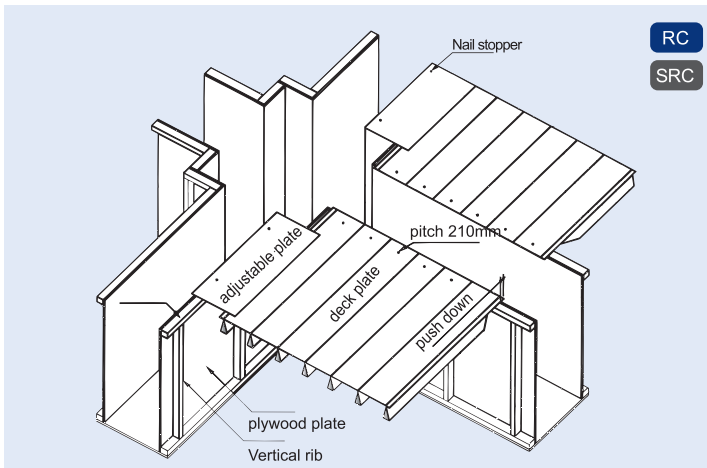
※Secure the support (beam) to the deck plate longitudinal direction at a pitch of 500 to 900 mm.

※ Please decide the size of the deck plate receiving FB considering the deck's payout and payment.

Offset length

t(mm)	length (mm)
0.8mm	under 40mm
1.0mm	∕
1.2mm	∕
1.4mm	∕
1.6mm	∕

2 RC structure (reinforced concrete structure) and SRC construction (steel reinforced concrete structure)



QL DECK Deckplate for composite slab structure

JF DECK Deck for formwork

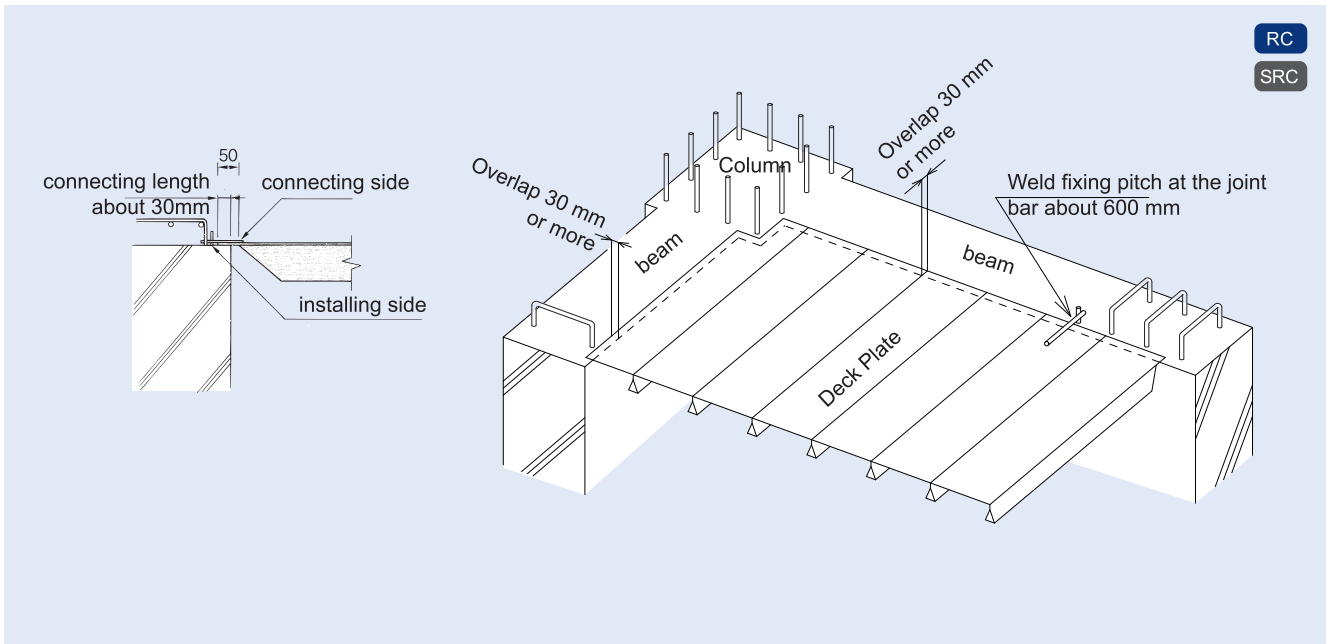
R DECK Deck for reinforcement

QL Roof Deckplate fireproof for 30 minutes

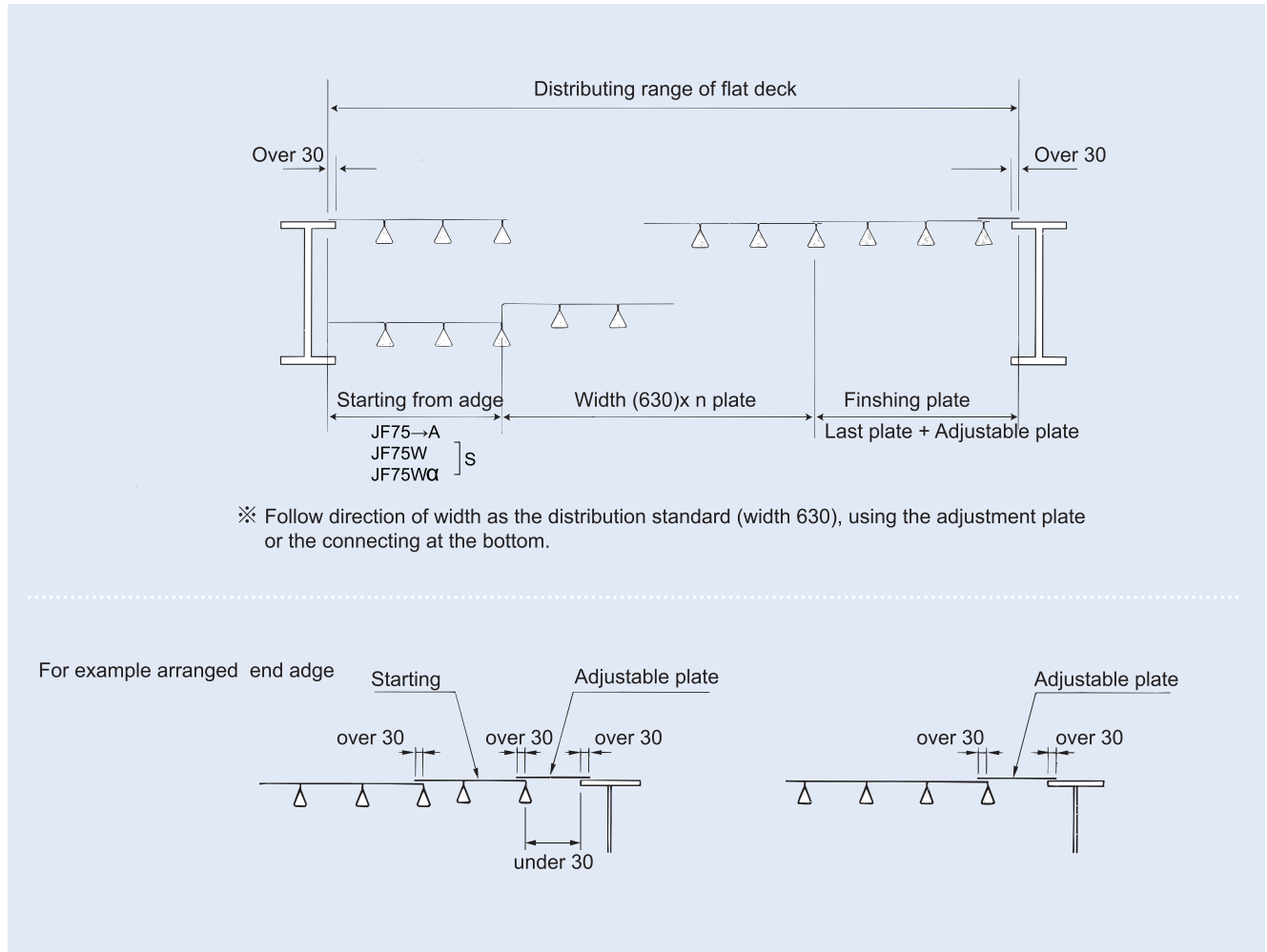


Fitting Standard

3 Ground beam - PC beam

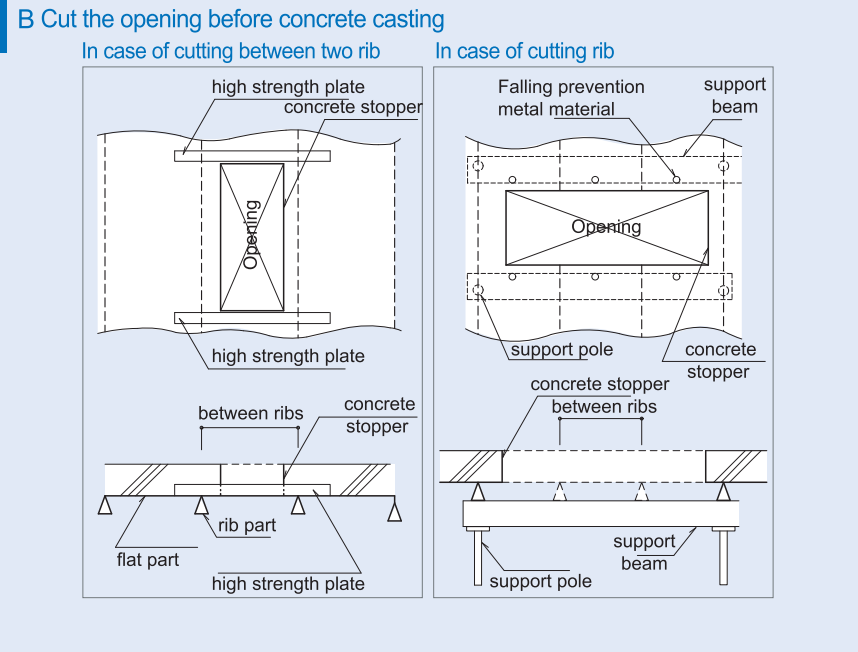
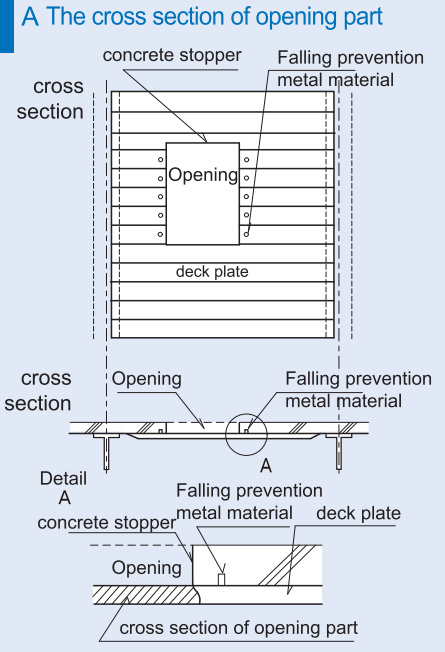


4 GUIDANCE TO DISTRIBUTE DECK PLATE



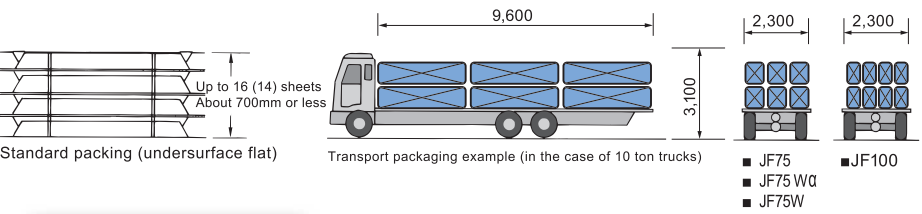
## 5 Opening

As a general rule, openings such as wiring, piping, air conditioning ducts and the like are enclosed in a mold in advance as shown in the following figure A, and the deck plate is cut after hardening the concrete casting. Depending on the size of the opening, if the flat deck and concrete may be peeled off, attach "falling prevention hardware" around the cut part.

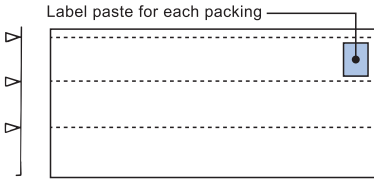


## Packing

### 1 Packaging and transportation



### 2 Marking



## Construction

### 1 Loading of used parts

Check delivery materials  
Unloading (temporary placement / lifting)

### 2 Placing the deck plate (temporary fixation)

Diagonal cutting other  
Adjusting plate mounting

### 3 Fixed (dissolved)

### 4 Concrete stopper

Stud driving and others

### 5 Reinforcement

Concrete hammering and curing  
Done

QL DECK Deckplate for composite slab structure

JF DECK Deck for formwork

R DECK Deck for reinforcement

QL Roof Deckplate fireproof for 30 minutes