
Tablas de cargas

LR 1600 / 2

074548

SL2DFB, SL4DFB

==> Viento 9.0 m/s Inclinación lateral 0.3°

EPROM: 30. 08. 2011

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Departamento de producción:
Tipo : LR 1600/ 2
N° de la máquina : 074548
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I. INDICACIONES PARA EL USO DE LAS TABLAS DE CARGAS



PELIGRO

¡Peligro de accidentes!

Para el servicio de grúa, es decisivo seguir las instrucciones del manual de instrucciones para el uso.

- Observar las indicaciones y los datos del manual de instrucciones para el uso!

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II. TABLAS DE CARGAS

1. Explicaciones

- 1.1 Los valores de cargas en las tablas de cargas se indican en toneladas [t].
- 1.2 El alcance es la distancia horizontal calculada desde el centro de gravedad de la carga al eje de giro del chasis superior, medida en el suelo. Esta indicación es válida bajo carga nominal, es decir incluyendo la flexión elástica de la pluma.
- 1.3 Está prohibido posiciones de pluma a otros valores que no estén indicados en las tablas.
- 1.4 También sin carga, la pluma sólo se debe mover a los campos determinados por valores de cargas, sino hay peligro de vuelco. En el servicio normal esta operación está asegurada por el Controlador de cargas. Al conectarse en "Montaje" (mediante el pulsador de llave para el montaje) la pluma no deberá descender sobrepasando más allá de la zona de alcance.
- 1.5 Los pesos de los medios portantes, los medios elevadores de carga y los elementos de detención ya están considerados en el valor de la carga. O sea que para conocer tan sólo el peso de carga por levantar se deberá sustraer los pesos de los dispositivos mencionados anteriormente.
- 1.6 Con los modos de servicio con coche lastre o lastre de suspensión se debe determinar el peso lastre Derrick para la carga por elevarse con el planificador de aplicación LICCON.

2. Servicio de la grúa "Grúa estabilizada"

- 2.1 Los largueros de apoyo desplegable de la estabilización hidráulica se deben extender a la medida indicada en la tabla de cargas por utilizarse (uniformemente por ambos lados).
- 2.2 Las placas de apoyo y las placas de base deben estar montados tal como se describe en el manual de instrucciones para el uso de la grúa en los cilindros de apoyo.
- 2.3 Las dos vigas de orugas deben desprenderse del suelo.
- 2.4 Por medio del terminal BluetoothTM (BTT) se debe nivelar la grúa horizontalmente. Dicha posición horizontal de la grúa deberá controlarse de tiempo en tiempo durante el servicio de grúa y si es necesario, corregirla.

3. Procedimiento

Véase el manual de instrucciones para el uso de la grúa.

4. Existe peligro de vuelco o peligro de sobrecarga en los componentes portantes en los casos siguientes:

- 4.1 Si las cargas, largos de pluma y alcances indicados en las tablas de cargas se han excedido.
- 4.2 Si por un mando erróneo del movimiento de la grúa, la carga enganchada comienza a oscilar.
- 4.3 Si se efectúa una tracción en diagonal. Especialmente es peligroso la tracción transversalmente a la dirección de la pluma. ¡Está prohibido la tracción transversal!
- 4.4 Si no se mantiene bastante distancia de las fosas, sótanos y taludes.
- 4.5 Si en el estado de servicio "Grúa estabilizada":
 - 4.5.1 La grúa no se ha apoyado correctamente en todos los 4 estabilizadores hidráulicos ni nivelado verticalmente.
 - 4.5.2 Los largueros de apoyo desplegados no se han extendido a la medida indicada en la respectiva tabla de cargas.
 - 4.5.3 Las placas de apoyo y las placas de base no están montadas tal como se describe en el manual de instrucciones para el uso de la grúa en los cilindros de apoyo.
 - 4.5.4 Los 4 estabilizadores hidráulicos no se ha asegurado a la base respondiendo a las condiciones del terreno ni colocando en una gran área materiales estables.
- 4.6 Si en el estado de servicio "Grúa sobre la viga de orugas":
 - 4.6.1 El suelo no está en condiciones de soportar con seguridad el peso máximo de servicio de la grúa y además el peso de la carga.
 - 4.6.2 Si el suelo no es plano aunque está inclinado. Véase "*15.2 Inclinación lateral máxima autorizada de la grúa al operar con las tablas de cargas*" en la pág.50.

5. Utilización de la grúa (acumulador de carga)

Las grúas automotrices y las grúas sobre orugas de Liebherr están concebidas para el servicio de montaje (categoría de acumulador de carga = "ligera" = Q1 ó L1). Si las grúas se utilizan con el servicio de imán, con cuchara almeja o servicio de transbordo (categoría de acumulador de carga = "medio" o superior), se deben observar diferentes puntos. Véase el capítulo 8.01 "Control periódico de las grúas" en el manual de instrucciones para el uso de la grúa.



Nota

- En caso que la grúa esté sometida a una acumulación de carga más elevada del promedio, por ejemplo por operar con el servicio de imán, con cuchara almeja o servicio de transbordo, entonces se deberán acortar los intervalos de control respectivo.
-

AVISO

¡Desgaste prematuro y fisuras en los componentes portantes!

Si la grúa no se utiliza en el servicio de montaje sino en el servicio de imán, con cuchara almeja o servicio de transbordo, entonces se debe contar con un desgaste prematuro en los componentes de transmisión y/o con fisuras en los componentes portantes de acero.

- Por eso le recomendamos reducir urgentemente las cargas de un promedio del 50% en relación a los valores indicados en la respectiva tabla de cargas.
-

AVISO

¡Alto desgaste del cable y daños en el cable!

¡Para mantener el más mínimo desgaste de los cables de elevación con el servicio de imán, con cuchara almeja o servicio de transbordo, se recomienda utilizar un largo de cable especial!

Si no es el caso, se pueden enroscar las capas de cable que no se utilizan.

¡En caso de fuertes tracciones de cable, el cable puede tirarse en las capas de cable que no se utilizan y causar daños de cable!

- ¡Con el servicio de imán, cuchara almeja o servicio de transbordo, utilizar un largo de cable especial para que todo el largo de cable se desenrolle en la posición más inferior del motón de gancho (hasta quedar unas 3-5 vueltas restantes de cable)!
-

6. Controlador de cargas LICCON e interruptores de fin de carrera

El Controlador de cargas LICCON funcionando electrónicamente desconecta los movimientos de elevación, de basculamiento de la pluma al sobrepasar el momento de carga admisible. Es posible descargar efectuando un movimiento opuesto. Antes de toda utilización, se debe controlar el funcionamiento correcto del Controlador de cargas LICCON.

- 6.1 El Controlador de cargas LICCON se debe ajustar al estado de montaje actual de la grúa mediante las teclas de función o introduciendo el código abreviado de 4 cifras respectivo.
- 6.2 El Controlador de cargas LICCON es un dispositivo de seguridad y no se deberá usar como dispositivo de desconexión de funcionamiento. El gruísta deberá comprobar el peso de la carga antes de comenzar el trabajo con cargas. La existencia del Controlador de cargas LICCON no exime al gruísta de su deber de operar con cuidado.
- 6.3 En la unidad de mando y de visualización del Controlador de cargas LICCON, se indican entre otros el alcance, largo de pluma, altura de los rodillos, carga y el estado de carga de la grúa. Esto permite tener un control permanente del campo de trabajo y de la utilización de la grúa.
- 6.4 Los interruptores de fin de carrera colocados en las puntas de pluma (pluma en celosía, pluma auxiliar) deberán evitar que el motón de gancho se inserte dentro del cabezal de pluma. Antes de cada aplicación de grúa, se deberá verificar la capacidad de su funcionamiento.
- 6.5 Controlar que los transmisores de giro de los cabrestantes de cable permitan que queden 3 vueltas de seguridad en los tambores de cable. Acercándose a la última capa del cable, se debe controlar también visualmente que se quede 3 vueltas de cable. Habiendo sobregirado los mecanismos de elevación en el sentido de elevación, así como después de cambiar el cable de elevación, es preciso ajustar de nuevo el interruptor de fin de carrera correspondiente antes de ponerlo en servicio.
- 6.6 El gruísta debe cerciorarse del funcionamiento correcto del Controlador de cargas LICCON antes de cada trabajo. El fabricante de la grúa no asume ninguna responsabilidad en caso de daños o daños consecuentes ocurridos por no poner en funcionamiento o estar fuera de servicio el Controlador de cargas LICCON.

7. Cabrestantes (Mecanismos de elevación)

7.1 Tracciones máximas de cable de los cabrestantes

Cable de elevación	Tracción máxima	Utilización
Tipo 1 (D=28 mm)	180 KN (18,1 t)	Cabrestante 1 Cabrestante 2
Tipo 2 (D=25 mm)	125 KN (12,6 t)	Cabrestante 6
Tipo 3 (D=28 mm)	160 KN (16,1 t)	Cabrestante 6

Estas tracciones no deberán sobrepasarse en ningún caso. Seleccionar respectivamente el número inferior de ramal de cable de elevación (colocación de cable) según el peso de la carga que se va a cargar (véase la tabla "Colocación de cable de elevación" en el capítulo II).

- 7.2 ¡Para evitar que el cable se enrosque, una persona deberá controlar el recorrido del cable en los cabrestantes al montar los equipos adicionales (por ej. polea de ramal simple)!

8. Colocación del cable de elevación

- 8.1 El cable de elevación se debe colocar entre cabezal de la pluma y el motón de gancho, lo cual depende de la tracción máx. del cable del mecanismo de elevación y del peso de la carga por elevar.
- 8.2 En caso de varios ramales de cable de elevación, el rendimiento del motón de gancho se reduce por la fricción de los rodillos y flexión del cable. Por ello, con una tracción de cable de por ej. de 180 KN para 10 ramales se pueden tirar sólo 1681 KN (169 t) en vez de 1800 KN (181 t).
- 8.3 Las cargas máx. a llevar según el número de ramales del cable de elevación se pueden ver en la tabla "Colocación del cable de elevación" en el capítulo II de este cuaderno.

- 8.3.1 Servicio de grúa con 1 cabrestante de cable de elevación en el servicio simple.

Ejemplo: Cálculo de la colocación de cable requerida para elevar una carga de 280 t.

El número de ramal que se requiere con 1 cabrestante de cable de elevación según la tabla "Colocación del cable de elevación" del cap. II es para el diámetro de cable de 28 mm (tipo 1) de:

18 ramales (287,0 t)

8.3.2 Servicio de grúa con 2 cabrestantes de cable de elevación en el servicio paralelo.

En el servicio de grúa con 2 cabrestantes de cable de elevación del servicio paralelo, el número de ramales de cable que se requiere se calcula según 3 procedimientos.

Procedimiento 1: La carga se divide entre 2 ya que se tomará la misma cantidad de carga del cabrestante de cable de elevación 1 y del cabrestante de cable de elevación 2.

Procedimiento 2: El número de ramales que se requiere para 1 cabrestante de cable de elevación se calcula.

Procedimiento 3: El número de ramal calculado para 1 cabrestante de cable de elevación se aplica a los dos cabrestantes de cable de elevación.

Ejemplo: Cálculo del número de ramal que se requiere para elevar una carga de 280 t con 2 cabrestantes de cable de elevación en el servicio paralelo.

Procedimiento 1: $280 \text{ t} / 2 \text{ cabrestantes de cable de elevación} = 140 \text{ t}$.

Procedimiento 2: El número de ramal que se requiere con 1 cabrestante de cable de elevación según la tabla "Colocación del cable de elevación" del cap. II es para el diámetro de cable de 28 mm (tipo 1) de:

9 ramales (153,2 t)

Procedimiento 3: El número de ramales necesarios con 2 cabrestante de cable de elevación en el servicio paralelo es igualmente de:
 $2 \times 9 \text{ ramales} = 18 \text{ ramales}$ ($2 \times 153,2 \text{ t} = 306,4 \text{ t}$)



Nota

- Antes de aplicar el número de ramales calculado en el servicio de grúa, se debe controlar si el número de ramal mínimo de cable de elevación y el peso mínimo de motón de gancho son necesarios. Véase "10. Ramales mínimos de cable de elevación y pesos mínimos de motones de gancho" en la pág.21.
-

8.4 El número de ramales del cable de elevación en la unidad de mando y visualización del Limitador de cargas debe corresponder al número de ramales del cable de elevación presente actualmente en la grúa.

8.5 La tracción de cable máxima para países con un factor de seguridad de cable 5 según ASME B30.5 (Canadá, USA y Taiwán)



Nota

En los países en donde se aplica la norma nacional ASME B30.5 (Canadá, USA, y Taiwán) se ha prescrito una seguridad de cable de grado 5 para los cables de elevación antigiratorios. Las cargas que resultan de estas tracciones en la tabla "Colocación del cable de elevación" en el capítulo II de este manual se han medido según la norma DIN EN 13000 con una seguridad de cable de grado 4,5.

En la norma DIN EN 13000, al contrario de la ASME B30.5 se toma en cuenta así mismo el rendimiento de la tracción de cable. Por ese motivo en los países en donde se aplica la norma nacional ASME B30.5 (Canadá, USA, y Taiwán) se debe utilizar con una colocación de cable de hasta 13 ramales las cargas que resultan de las tracciones de cable en las tablas a continuación. ¡A partir de 13 ramales, el grado de seguridad del cable de 4,5 según la norma DIN EN 13000 es más seguro que aquel del grado 5 según la ASME B30.5!

Al respetar lo indicado en el capítulo 5.3.2.1.1 (d) en las normas ASME B30.5 se pueden utilizar igualmente las tracciones de cable según la DIN EN 13000.

8.5.1 Cargas máximas dependiendo del número de ramales de cable utilizado

Cable de elevación Tipo 1: D=28,0 mm

Número de ramal	Carga máxima (DIN EN 13000) [t]	Carga máxima (ASME B30.5) (Canadá, USA, y Taiwán) [t]
1	18,1	16,5
2	35,9	33,0
3	53,4	49,5
4	70,7	66,1
5	87,7	82,6
6	104,5	99,1
7	121,0	115,6
8	137,2	132,1
9	153,2	148,6
10	169,0	165,1
11	184,5	181,7
12	199,9	198,2
13	214,9	214,7

Cable de elevación Tipo 2: D=25,0 mm

Número de ramal	Carga máxima (DIN EN 13000) [t]	Carga máxima (ASME B30.5) (Canadá, USA, y Taiwán) [t]
1	12,6	11,5
2	24,9	22,9
3	37,1	34,4
4	49,1	45,9
5	60,9	57,3
6	72,5	68,8
7	84,0	80,3
8	95,3	91,7
9	106,4	103,2
10	117,4	114,7
11	128,2	126,1
12	138,8	137,6
13	149,3	149,1

Cable de elevación Tipo 3: D=28,0 mm

Número de ramal	Carga máxima (DIN EN 13000) [t]	Carga máxima (ASME B30.5) (Canadá, USA, y Taiwán) [t]
1	16,1	14,7
2	31,9	29,4
3	47,5	44,0
4	62,8	58,7
5	78,0	73,4
6	92,8	88,1
7	107,5	102,8
8	122,0	117,4
9	136,2	132,1
10	150,2	146,8
11	164,0	161,5
12	177,6	176,1
13	191,0	190,8

9. Motones de gancho y ganchos de carga

En este capítulo, el gancho de carga y los motones de gancho para este tipo de grúa se indicarán con el número de ramal máximo autorizado y su peso propio.

Adicionalmente se puede calcular a partir de las tablas:

- 1.) El peso del motón de gancho requerido para un cierto número de ramal y un cierto largo total de pluma.
- 2.) El número de ramal máximo posible para un cierto peso del motón de gancho y un cierto largo total de pluma.
- 3.) El largo total de pluma máximo posible para un cierto número de ramal y un cierto peso del motón de gancho.

Los valores indicados en las tablas se han calculado como datos básicos específicos a la grúa. Por esta razón, los datos en la tabla deben concordar con aquellos datos de la grúa.

Los datos específicos a la grúa para el servicio de grúa con 1 cabrestante de cable de elevación en el servicio simple y el servicio de grúa con 2 cabrestantes de cable de elevación en el servicio paralelo se indicarán respectivamente antes de los motones de gancho previstos para ello.

AVISO

¡Existe peligro de daño para el cable debido al peso insuficiente del motón de gancho!

Si el peso del motón de gancho es insuficiente para tensar correctamente el cable de elevación, es posible que al descender o elevar el motón de gancho, hayan problemas en los cabrestantes si el cable se enrosca. ¡Por lo tanto, el cable puede dañarse!

- Para evitar el problema de enrollado en los cabrestantes, se puede aumentar el peso del motón de gancho en caso necesario, con los pesos adicionales o los kits de modificación. ¡Observar al respecto que se deban desmontar nuevamente los pesos adicionales si debido al aumento del peso propio del motón de gancho, se ha sobrepasado los pesos del motón de gancho autorizados para el levantamiento y descenso del sistema de pluma!
-

9.1 Gancho de carga y motón de gancho para el servicio de grúa con 1 cabrestante de cable de elevación en el servicio simple con cable de tipo 1 (D=28 mm)

Datos específicos a la grúa		
Diámetro del cable:	28,0	[mm]
Peso de cable:	0,00394	[t/m]
Partes de la pluma:	6	[m]
Largo de pluma mín.:	24	[m]
Largo de pluma máx.:	192	[m]
Número de cabrestantes de cable de elevación:	1	
Largo de cable de elevación:	1050	[m]
Derrick hasta la inversión del cable de elevación:	31,0	[m]

9.1.1 Gancho de carga 16 E (0 poleas / carga 16,0 t)

N° de ramales	Largo total de pluma máximo posible [m] con el peso de motón de gancho [t]					
	1,1 t sin peso adicional					
1	192					

9.1.2 Motón de gancho 50 EM (1 poleas / carga 50,0 t)

N° de ramales	Largo total de pluma máximo posible [m] con el peso de motón de gancho [t]					
	1,0 t sin peso adicional	2,0 t con 2 pesos adicionales	3,0 t con 4 pesos adicionales			
3	60	120	186			
2	90	186	192			
1	192	192	192			

9.1.3 Motón de gancho 125 DM (3 poleas / carga 121,0 t)

N° de ramales	Largo total de pluma máximo posible [m] con el peso de motón de gancho [t]					
	1,5 t sin peso adicional	2,5 t con 2 pesos adiciona- les	3,5 t con 4 pesos adiciona- les	4,5 t con 6 pesos adiciona- les	5,5 t con 8 pesos adiciona- les	
7	36	60	84	108	120	
6	42	72	102	132	138	
5	48	84	120	156	162	
4	66	114	156	192	192	
3	90	150	192	192	192	
2	138	192	192	192	192	
1	192	192	192	192	192	

9.1.4 Motón de gancho 200 DM (5 poleas / carga 184,5 t)

N° de ramales	Largo total de pluma máximo posible [m] con el peso de motón de gancho [t]					
	2,0 t sin peso adicional	3,0 t con 2 pesos adiciona- les	4,0 t con 4 pesos adiciona- les	5,0 t con 6 pesos adiciona- les	6,0 t con 8 pesos adiciona- les	7,0 t con 10 pesos adiciona- les
11	24	42	54	72	78	78
10	30	48	60	78	84	84
9	36	54	72	90	96	96
8	42	60	84	102	108	108
7	48	72	96	120	120	120
6	54	84	114	138	138	138
5	66	102	138	162	162	162
4	90	132	180	192	192	192
3	120	186	192	192	192	192
2	186	192	192	192	192	192
1	192	192	192	192	192	192

9.1.5 Motón de gancho doble 400 - 200 DMZ (5 poleas / carga 184,5 t)

N° de ramales	Largo total de pluma máximo posible [m] con el peso de motón de gancho [t]					
	5,0 t sin peso adicional	6,0 t con 2 pesos adiciona- les	7,0 t con 4 pesos adiciona- les			
11	72	78	78			
10	78	84	84			
9	90	96	96			
8	102	108	108			
7	120	120	120			
6	138	138	138			
5	162	162	162			
4	192	192	192			
3	192	192	192			
2	192	192	192			
1	192	192	192			

9.1.6 Motón de gancho doble 600 - 300 DMZ (9 poleas / carga 300 t)

N° de ramales	Largo total de pluma máximo posible [m] con el peso de motón de gancho [t]					
	8,5 t sin peso adicional					
19	48					
18	48					
17	54					
16	54					
15	60					
14	60					
13	66					
12	72					
11	78					
10	84					
9	96					
8	108					
7	120					
6	138					
5	162					
4	192					
3	192					
2	192					
1	192					

9.2 Motón de gancho para el servicio de grúa con 2 cabrestantes de cable de elevación en el servicio paralelo con cable de tipo 1 (D=28 mm)

Datos específicos a la grúa		
Diámetro del cable:	28,0	[mm]
Peso de cable:	0,00394	[t/m]
Partes de la pluma:	6	[m]
Largo de pluma mín.:	24	[m]
Largo de pluma máx.:	192	[m]
Número de cabrestantes de cable de elevación:	2	
Largo de cable de elevación:	1050	[m]
Derrick hasta la inversión del cable de elevación:	31,0	[m]

9.2.1 Motón de gancho doble 400 - 200 DMZ (2 x 5 poleas / carga 369 t)

N° de ramales	Largo total de pluma máximo posible [m] con el peso de motón de gancho [t]					
	6,0 t sin peso adicional	7,0 t con 2 pesos adiciona- les	8,0 t con 4 pesos adiciona- les	9,0 t con 6 pesos adiciona- les	10,0 t con 8 pesos adiciona- les	11,0 t con 10 pesos adiciona- les
2 x 11	42	48	54	66	72	78
2 x 10	48	54	60	72	78	84
2 x 9	54	60	72	78	90	96
2 x 8	60	72	84	90	102	108
2 x 7	72	84	96	108	120	120
2 x 6	84	102	114	132	138	138

9.2.2 Motón de gancho doble 600 - 300 DMZ (2 x 9 poleas / carga 600 t)

N° de ramales	Largo total de pluma máximo posible [m] con el peso de motón de gancho [t]					
	11,0 t sin peso adicional	12,0 t con 2 pesos adiciona- les	13,0 t con 4 pesos adiciona- les	14,0 t con 6 pesos adiciona- les	15,0 t con 8 pesos adiciona- les	16,0 t con 10 pesos adiciona- les
2 x 19	36	42	48	48	48	54 ^(a)
2 x 18	42	42	48	48	48	54 ^(a)
2 x 17	42	48	54	54	54	60 ^(a)
2 x 16	48	54	54	54	54	60 ^(a)
2 x 15	54	60	60	60	60	66 ^(a)
2 x 14	60	60	60	60	60	66 ^(a)
2 x 13	66	66	66	66	66	72 ^(a)
2 x 12	72	72	72	72	72	72
2 x 11	78	78	78	78	78	78
2 x 10	84	84	84	84	84	84
2 x 9	96	96	96	96	96	96
2 x 8	108	108	108	108	108	108
2 x 7	120	120	120	120	120	120
2 x 6	138	138	138	138	138	138

^(a) = ¡En los valores marcados con un ^(a) (largo total de pluma), el motón de gancho no puede descenderse hasta llegar al suelo debido al largo del cable de elevación!

10. Ramales mínimos de cable de elevación y pesos mínimos de motones de gancho

Para un servicio de grúa seguro, se requieren por diferentes razones un número de ramal mínimo de cable de elevación y pesos mínimos de motones de gancho.

Existen 4 diferentes criterios límites para calcular el número de ramal mínimo de cable de elevación. Cada criterio implica un número de ramal mínimo de cable de elevación.

Estos criterios límites son:

- 1.) Tabla de número de ramal del cable de elevación (n_{\min} [Tabla de ramales])
 - 2.) Motivos estáticos (n_{\min} [Estático]), (G_{\min} [Estático])
 - 3.) Peso seguro de carga (n_{\min} [peso de lastre])
 - 4.) Control del servicio paralelo en funcionamiento (n_{\min} [servicio paralelo])
- 1.) **Número de ramal mínimo de cable de elevación debido a la tracción de cable máxima autorizada (n_{\min} [Tabla de ramales])**
Es el número de ramal mínimo de cable de elevación que dependiendo de la tracción máxima de cable del mecanismo de elevación es necesario para elevar la carga. Véase la tabla "Colocación del cable de elevación" en el capítulo II de este cuaderno.
 - 2.) **Número de ramal mínimo de cable de elevación y pesos mínimos de motones de gancho por razones estáticas (n_{\min} [Estático]), (G_{\min} [Estático])**
Son el número de ramal mínimo de cable de elevación y los pesos mínimos de motones de gancho necesarios para ciertos modos de servicio y los cuales deben impedir que la grúa con la pluma en posiciones erectas se mueva hacia atrás incontroladamente y se vuelque. Véase "10.1 Número de ramal mínimo de cable de elevación y pesos mínimos de motones de gancho, que por motivos estáticos son necesarios para ciertos modos de servicio" en la pág.22.
 - 3.) **Número de ramal mínimo de cable de elevación para un peso seguro de carga del Controlador de cargas LICCON (n_{\min} [Peso carga])**
Es el número de ramal mínimo de cable de elevación necesario en general en todos los modos de servicio para el peso seguro de carga del Controlador de cargas LICCON. Véase "10.2 Número de ramales mínimo de cable de elevación requerido para un peso seguro de carga del Controlador de cargas LICCON" en la pág.26.
 - 4.) **Número de ramal mínimo de cable de elevación para un control del servicio paralelo en funcionamiento (n_{\min} [servicio paralelo])**
Es el número de ramal mínimo de cable de elevación que permite evitar que el motón de gancho en el servicio paralelo se encuentre en una posición inclinada no autorizada. Véase "10.3 Número requerido de ramal mínimo de cable de elevación con el servicio paralelo" en la pág.29.

Antes del servicio de grúa, se deben calcular los números de ramales mínimos de cable de elevación según todos los 4 criterios límites. ¡El mayor número de ramal mínimo de cable de elevación calculado es el número determinante y debe utilizarse para elevar la carga!

10.1 Número de ramal mínimo de cable de elevación y pesos mínimos de motones de gancho, que por motivos estáticos son necesarios para ciertos modos de servicio

10.1.1 Número de ramal mínimo de cable de elevación con el servicio SLF; SL3F

TAB 18100047



ADVERTENCIA

¡Peligro de vuelco!

Si el número de ramal mínimo de cable de elevación y el peso mínimo de motón de gancho no se respeta, la pluma al estar en la posición erecta puede moverse hacia atrás incontroladamente. ¡La grúa puede volcarse!

- Los pesos mínimos de motón de gancho y los números de ramal mínimo de cable de elevación indicados en la tabla deberán respetarse obligatoriamente en relación al ángulo de pluma principal.
- El motón de gancho puede bajarse sólo por debajo del campo de ángulo dado, es decir a posiciones planas por debajo de este campo.

En el servicio con las combinaciones de pluma según (1), el motón de gancho con el peso mínimo (2) y con el número de ramal mínimo de cable de elevación (3) debe actuar en el campo de ángulo de pluma principal (4).

(1) Pluma		(2) Peso mínimo del motón de gancho [t]	(3) Número de ramales mínimo del cable de ele- vación	(4) Ángulo de pluma principal	
SL [m]	F [m]			desde [°]	hasta [°]
SL-54 - SL3-108	F-12 / 11°	2,5	7	75	87
	F-12 / 11°	3,0	6	75	87
	F-12 / 11°	3,5	5	75	87
	F-12 / 11°	4,0	4	75	87
	F-12 / 16°	1,5	3	75	87

**10.1.2 Número de ramal mínimo de cable de elevación con el servicio SW;
SDW; SDWV
TAB 18100027**



ADVERTENCIA

¡Peligro de vuelco!

Si el número de ramal mínimo de cable de elevación y el peso mínimo de motón de gancho no se respeta, la pluma al estar en la posición erecta puede moverse hacia atrás incontroladamente. ¡La grúa puede volcarse!

- Los pesos mínimos de motón de gancho y los números de ramal mínimo de cable de elevación indicados en la tabla deberán respetarse obligatoriamente en relación al ángulo de pluma principal.
-



ADVERTENCIA

¡Peligro de vuelco!

Si la polea de ramal simple está montada en la punta en celosía basculable W-12 y el cable de elevación de la polea de ramal simple no tiene al menos 2 ramales colocados, entonces la pluma puede moverse incontroladamente hacia atrás cuando llegue la pluma a la posición vertical. ¡La grúa puede volcarse!

- Con la punta en celosía basculable W-12, y con la polea de ramal simple montada, se debe colocar el cable de elevación en la polea de ramal simple con al menos 2 ramales.
-



Nota

- Como ángulo de pluma principal se indica la inclinación de la pluma principal en relación a la horizontal.
- Los valores indicados en la tabla son también válidos de manera general para el servicio con la polea de ramal simple.
- Los números de ramal mínimo de cable de elevación son válidos para el servicio con 1 cabrestante de cable de elevación y para el servicio con 2 cabrestantes de cable de elevación.

Ejemplo para 6 ramales mínimo de cable de elevación:

1 cabrestante de cable de elevación: 1 x 6 ramales

2 cabrestantes de cable de elevación: 2 x 3 ramales

En el servicio con las combinaciones de pluma según (1) debe actuar el motón de gancho con el peso mínimo (3) y con el ramal mínimo (2) de cable de elevación en el respectivo campo de ángulo de pluma principal.

(1) Pluma		(2) Número de ramales mínimo del cable de elevación	(3) Peso mínimo del motón de gancho [t]	
S [m]	W [m]		Angulo de pluma principal > 70°	Angulo de pluma principal < 70°
S-36	W-12 (b)	8	3,0	-
	W-18 (b)	4	2,0	-
S-42	W-12 (b)	8	3,0	-
	W-18 (b)	4	2,0	-
S-48	W-12 (b)	10	4,0	-
	W-18 (b)	4	4,0	-
S-54	W-12 (b)	10	7,0	4,0
	W-18 (b)	4	4,0	-
S-60	W-12 (b)	12	8,0	6,0
	W-18 (b)	4	5,0	-
	W-24	4	2,0	-
S-66	W-12 (b)	14	9,0	7,0
	W-18 (b)	6	6,0	-
	W-24	4	3,5	-
	W-30	4	3,5	-
S-72	W-12 (b)	16	11,0	9,0
	W-18 (b)	6	7,0	4,0
	W-24	4	5,0	-
	W-30	4	5,0	-
S-78	W-12 (b)	14	13,0	10,0
	W-18 (b)	8	8,0	5,0
	W-24	6	5,0	-
	W-30	6	5,0	-
	W-36	4	3,0	-

(1) Pluma		(2) Número de ramales mínimo del cable de eleva- ción	(3) Peso mínimo del motón de gancho [t]	
S [m]	W [m]		Angulo de pluma princi- pal > 70°	Angulo de pluma princi- pal < 70°
S-84	W-12 ^(b)	12	16,0	12,0
	W-18 ^(b)	10	10,0	6,0
	W-24	6	7,0	4,0
	W-30	6	7,0	-
	W-36	4	3,0	-
S-90	W-18 ^(b)	12	11,0	8,0
	W-24	6	10,0	4,0
	W-30	6	9,0	-
	W-36	4	5,0	-
	W-42	4	4,0	-
	W-48	4	4,0	-
S-96	W-24	8	11,0	6,0
	W-30	6	11,0	-
	W-36	4	7,0	-
	W-42	4	4,0	-
	W-48	4	4,0	-
S-102	W-24	6	15,0	6,0
	W-30	6	13,0	5,0
	W-36	6	8,0	-
	W-42	4	5,0	-
	W-48	4	4,0	-
	W-54	4	4,0	-

^(b) = Las puntas en celosía basculables W-12 y W-18 indicadas con una ^(b) son válidas sólo para el servicio SDWV.

10.2 Número de ramales mínimo de cable de elevación requerido para un peso seguro de carga del Controlador de cargas LICCON

Con un número bajo de ramal de cable de elevación, especialmente en posiciones erectas de la pluma, la señal de la brida medidora de tracción tomada del arriostamiento para pesar la carga, es tan baja que el Controlador de cargas LICCON no puede pesar la carga con bastante exactitud. Los números de ramales mínimos de cable de elevación indicados en las tablas aseguran que la grúa especialmente en posiciones erectas de la pluma a más de 60° con relación a la horizontal, no se sobrecargue involuntariamente.



ADVERTENCIA

¡Peligro si los componentes portantes de carga se sobrecargan!

¡Si el número de ramal mínimo de cable de elevación no se observa, el Controlador de cargas LICCON puede recibir un peso de carga demasiado bajo. ¡Si el Controlador de cargas LICCON, debido a la indicación de carga baja, desconecta muy tarde la operación, los componentes portadores de carga se sobrecargarán causando por lo tanto su ruptura y accidentes mortales!

- Los números de ramales mínimos de cable de elevación indicados en las siguientes tablas deben respetarse obligatoriamente.
- El número de ramal mínimo de cable de elevación que es decisivo, es aquel que está en la tabla para la pluma, que está enganchando la carga.

10.2.1 Número de ramales mínimos de cable de elevación en la pluma principal con los modos de servicio sin Derrick, carga en la pluma principal

Modo de servicio	Largo de pluma principal [m]	Número de ramales mínimo del cable de elevación	
		Servicio simple	Servicio paralelo
S	24	7	2 x 8
	30	7	2 x 8
	36	6	2 x 6
	42	5	2 x 6
	48	5	2 x 6
	54	5	2 x 6
	60	4	2 x 6
	66	4	-
	72	4	-
	78	3	-
	84	3	-
	90	3	-
	96	3	-
	102	3	-
	108	3	-

10.2.2 Número de ramales mínimos de cable de elevación en la pluma principal con los modos de servicio con Derrick, carga en la pluma principal

Modo de servicio	Largo de pluma principal [m]	Número de ramales mínimo del cable de elevación	
		Servicio simple	Servicio paralelo
SD	36	13	2 x 14
	42	14	2 x 14
	48	12	2 x 12
	54	10	2 x 10
	60	8	2 x 10
	66	7	2 x 8
	72	6	2 x 8
	78	6	2 x 6
	84	5	2 x 6
	90	5	2 x 6
	96	4	2 x 6
	102	4	-
	108	4	-
	114	4	-
	120	3	-
	126	3	-
	132	3	-
	138	3	-
	144	3	-

10.2.3 Número de ramales mínimos de cable de elevación en la punta en celosía basculable (WV), carga en la punta en celosía basculable (WV)

Modo de servicio	Largo de la punta basculable [m]	Número de ramales mínimo del cable de elevación	
		Servicio simple	Servicio paralelo
WV	12	5	2 x 6
	18	5	2 x 6
	24	4	2 x 6
	30	4	-
	36	3	-
	42	3	-
	48	3	-
	54	2	-
	60	2	-
	66	2	-
	72	2	-
	78	2	-
	84	2	-
	90	2	-
	96	3	-

10.2.4 Número de ramales mínimos de cable de elevación en la punta en celosía basculable (W), carga en la punta en celosía basculable (W)

Modo de servicio	Largo de la punta basculable [m]	Número de ramales mínimo del cable de elevación	
		Servicio simple	Servicio paralelo
W	24	5	2 x 6
	30	5	2 x 6
	36	4	2 x 6
	42	4	-
	48	3	-
	54	3	-
	60	3	-
	66	3	-
	72	3	-
	78	2	-
	84	2	-
	90	2	-
	96	2	-

10.3 Número requerido de ramal mínimo de cable de elevación con el servicio paralelo

Con un número de ramal mínimo de cable de elevación de 2 x 6 ramales, asegurarse que con el servicio paralelo del cabrestante 1 y cabrestante 2, el motón de gancho evite encontrarse en una posición desviada no autorizada y que se asegure el funcionamiento paralelo del cabrestante 1 y cabrestante 2.



ADVERTENCIA

¡Peligro si los componentes portantes de carga se sobrecargan!

¡Si el número de ramal mínimo de cable de elevación no se observa, se pueden sobrecargar los componentes portadores de carga debido a la posición desviada del motón de gancho causando por lo tanto su ruptura y accidentes mortales!

- ▶ ¡Con el servicio paralelo del cabrestante 1 y cabrestante 2, al menos 2 x 6 ramales deben estar colocados!
-

11. Procedimiento para calcular el número de ramal del cable de elevación y el motón de gancho

Antes de elevar una carga, se debe calcular el número de ramal del cable de elevación y el motón de gancho que se requieren para esta operación. A continuación se representará por procedimiento como se debe calcular el número de ramal de cable de elevación y el motón de gancho con el servicio simple (servicio de grúa con 1 cabrestante de cable de elevación) y con el servicio paralelo (servicio de grúa con 2 cabrestantes de cable de elevación).

11.1 Procedimiento 1: Cálculo de la carga

Las cargas indicadas en las tablas de cargas comprenden los siguientes pesos:

- Peso de la carga por levantar
- Peso de los elementos elevadores de carga (eslingas) (motón de gancho y gancho de carga)
- Peso de los elementos de detención

Antes de calcular el número de ramal de cable de elevación se debe calcular la carga (Peso de la carga + Peso de los elementos elevadores de carga (eslingas) + Peso de los elementos de detención).

El peso de los elementos elevadores de carga (eslingas) se calcula como en el capítulo "Motón de gancho y gancho de carga".

- ▶ Peso del motón de gancho requerido para calcular la carga por elevarse.
- ▶ Calcular el peso de los elementos de detención.

Resultado:

- Peso de la carga

11.2 Procedimiento 2: Cálculo del número de ramal mínimo de cable de elevación en relación a la tracción de cable máximo autorizado (n_{\min} [Tabla de número de ramales])

El número de ramales en relación a la tracción máxima de cable de los cabrestantes de cable de elevación se calculan a partir de la "Tabla de número de ramales" en el capítulo II de este cuaderno.

- Calcular el número de ramal del cable de elevación n_{\min} [tabla de ramales] de la carga en el servicio de grúa con 1 cabrestante de cable de elevación, en el servicio simple.

-o-

Calcular el número de ramal del cable de elevación n_{\min} [Tabla de ramales] de la carga en el servicio de grúa con 2 cabrestantes de cable de elevación, en el servicio paralelo.

Resultado:

- Número de ramal requerido n_{\min} [Tabla de ramales]



Nota

En el servicio de grúa con 2 cabrestantes de cable de elevación del servicio paralelo, el número de ramales de cable que se requiere se calcula según 3 procedimientos.

- La carga se divide entre 2 ya que se tomará la misma cantidad de carga del cabrestante de cable de elevación 1 y del cabrestante de cable de elevación 2.
 - El número de ramal requerido para 1 cabrestante de cable de elevación se calcula.
 - El número de ramal calculado para 1 cabrestante de cable de elevación se aplica para los dos cabrestantes de cable de elevación.
-

11.3 Procedimiento 3: Cálculo del número de ramal mínimo de cable de elevación y del peso mínimo de motón de gancho por razones estáticas (n_{\min} [Estático]), (G_{\min} [Estático])

El número de ramales y los pesos del motón de gancho requeridos por razones estáticas que se requieren para ciertos modos de servicio, se calculan como en el capítulo "Número de ramales mínimo de cable de elevación y pesos mínimos de motón de gancho, necesarios por razones estáticas en ciertos modos de servicio".

- Calcular el número de ramales mínimo de cable de elevación n_{\min} [Estática] y el peso mínimo de motón de gancho G_{\min} [Estática], que se requieren por razones estáticas en ciertos modos de servicio.

Resultado:

- Número de ramal requerido n_{\min} [Estática]
- Motón de gancho requerido G_{\min} [Estático]

11.4 Procedimiento 4: Cálculo del número de ramal mínimo de cable de elevación para un peso seguro de la carga en el Controlador de cargas LICCON (n_{\min} [peso de carga])

El número de ramales mínimo de cable de elevación requerido para un peso seguro de carga en el Controlador de cargas LICCON se calcula como en el capítulo "Número de ramales mínimo de cable de elevación requerido para un peso de carga seguro del Controlador de cargas LICCON".

- Calcular el número de ramal mínimo de cable de elevación n_{\min} [peso de carga], que se requiere para un peso seguro de carga en el Controlador de cargas LICCON.

Resultado:

- Número de ramal requerido n_{\min} [peso de carga]

11.5 Procedimiento 5: Cálculo del número de ramal mínimo de cable de elevación para un control de servicio paralelo en funcionamiento (n_{\min} [servicio paralelo])

El número de ramal de cable de elevación que se requiere para un control de servicio paralelo en funcionamiento y el cual se necesita sólo para el servicio paralelo del cabrestante 1 y cabrestante 2, se calculan en el capítulo "Número de ramal mínimo de cable de elevación en el servicio paralelo".

- Calcular el número de ramal mínimo de cable de elevación n_{\min} [servicio paralelo], que se requiere para un peso seguro de carga en el Controlador de cargas LICCON.

Resultado:

- Número de ramal requerido n_{\min} [servicio paralelo]

11.6 Procedimiento 6: Cálculo del número de ramal mínimo de cable de elevación (n_{\min}) y del peso mínimo de motón de gancho (G_{\min}), que deben utilizarse para elevar la carga

Después de calcular el número de ramal mínimo de cable de elevación y el peso mínimo de motón de gancho para los criterios límites (n_{\min} [tabla de ramales], n_{\min} [Estático], G_{\min} [Estático], n_{\min} [Peso de carga], n_{\min} [Servicio paralelo]) se debe calcular el número mayor de ramal mínimo de cable de elevación y el peso del motón de gancho.

- Calcular el número mayor de ramal mínimo de cable de elevación n_{\min} a partir del número de ramal mínimo de cable de elevación calculado (n_{\min} [tabla de ramales], n_{\min} [Estático], n_{\min} [Peso de carga], n_{\min} [Servicio paralelo]) y el peso mínimo de motón de gancho G_{\min} para (G_{\min} [Estático]).

Resultado:

- Número de ramal mínimo de cable de elevación n_{\min} y peso mínimo de motón de gancho G_{\min} que se requieren. Estos deben utilizarse para elevar la carga.

12. Reducciones de cargas

12.1 Reducción de carga con la polea de ramal simple montada

12.1.1 Las cargas indicadas en las tabla de cargas para el servicio de grúa en la pluma principal con mástil en celosía o en la punta en celosía son válidas si no está montada la polea de ramal simple.

12.1.2 Si la polea de ramal simple en los modos de servicio sin polea de ramal simple, se queda montada en la cabezal de la pluma, entonces la capacidad de carga es menor en estos modos de servicio por incluir lo siguiente:

- El peso de la polea de ramal simple
- El peso del cable de elevación que se encuentra colocado en la polea de ramal simple
- El peso de los elementos elevadores de carga (eslingas) utilizados en la polea de ramal simple
- El peso de los elementos elevadores de carga (eslingas) y de detención en el cabezal de pluma

12.1.3 Para el servicio de grúa en la polea de ramal simple con la carga máxima de 36 t no existe ninguna tabla de cargas adjunta. Son válidas las tablas de cargas de los modos de servicio con pluma principal y pluma adicional aunque deberán reducirse la capacidad de carga debido a lo siguiente:

- El peso de la polea de ramal simple
- El peso del cable de elevación que se encuentra colocado en la polea de ramal simple
- El peso de los elementos elevadores de carga (eslingas) y de detención utilizados en la polea de ramal simple
- El peso de los elementos elevadores de carga (eslingas) utilizados en el cabezal de pluma

12.2 Reducción de carga con las barras de arriostramiento montadas

12.2.1 Las cargas indicadas en las tabla de cargas son válidas sin considerar las barras de arriostramiento montadas.

12.2.2 Si las barras de arriostramiento están montadas, los valores de la capacidad de carga posibles están reducidos.

La reducción de carga depende del peso y del centro de gravedad de las barras de arriostramiento y del ángulo de pluma. Cuanto más grande sea el peso de las barras de arriostramiento, más cerca será el centro de gravedad de las barras de arriostramiento al cabezal de poleas y cuanto más inclinada esté la pluma principal hacia la posición horizontal, mayor será la reducción de carga.

12.2.3 La reducción de capacidad de carga se calcula simplemente tomando el largo de pluma y el peso métrico de las barras de arriostramiento:

Reducción de capacidad de carga = $0,5 \times \text{largo de pluma} \times \text{peso métrico de las barras de arriostramiento}$

12.2.4 Ejemplo para el servicio de pluma principal con las barras de arriostramiento colocadas en el caballete WA II:

Largo de pluma:	90 m
Peso métrico de las barras de arriostramiento:	0,120 t/m
Reducción de capacidad de carga (aprox.): $0,5 \times 90 \text{ m} \times 0,120 \text{ t/m}$	5,4 t

12.3 Reducción de capacidad de carga al montar un juego de rodillos adicional

12.3.1 Existen 2 juegos de rodillos cambiables que pueden montarse individualmente o juntos en la extensión cabezal SW. El cabezal de conexión W puede operar con uno de los dos juegos de rodillos.



Indicación

- Para las configuraciones en donde se ha previsto sólo un juego de rodillos en la extensión cabezal SW, se reduce la capacidad de carga indicada en la tabla al montar otro juego de rodillos. La reducción de capacidad corresponde al peso de dicho juego de rodillos adicional.



ADVERTENCIA

Peligro de vuelco o peligro de sobrecarga con los componentes portadores de carga

Si los dos juegos de rodillos están montados en la extensión cabezal SW a pesar que está previsto sólo 1 juego de rodillos, entonces la grúa puede volcarse con el levantamiento y descenso o los componentes portadores de carga pueden sobrecargarse. ¡Los componentes pueden romperse y causar accidentes mortales!

- El peso del motón de gancho autorizado tal como se indica en las tablas de levantamiento y descenso, debe reducirse equivalente al peso propio del juego de rodillos adicional.

12.3.2 Peso propio de los juegos de rodillos

Juegos de rodillos	Peso propio
320 t	1,5 t
300 t	1,4 t

12.3.3 Configuraciones de pluma de la tabla de cargas

Pluma	Modo de servicio	Cabezal de pluma
S sin pluma auxiliar	S, SD, ...	Extensión cabezal SW con juegos de rodillos 320 t + 300 t
S con pluma auxiliar	SW, SDW, SDWV, SWF, ...	Cabezal de conexión W con juego de rodillos 300 t
SL y SL2	SL, SLF, SLD, SL2D, SL2DF, ...	Extensión cabezal SW con juego de rodillos 320 t
SL3 y SL4	SL3F, SL4DF, ...	Cabezal de conexión F
W	SW, SDW, SDWV, SWF, ...	Extensión cabezal SW con juego de rodillos 320 t
F	SLF, SL3F, SL2DF, SWF, ...	Extensión cabezal F

13. Sistema de pluma

13.1 Descripción breve de los grupos constructivos del sistema de pluma

13.1.1 Pluma principal

SL	=	Pluma principal con mástil en celosía, versión mixta
SL2	=	Pluma principal con mástil en celosía, versión mixta, variante 2
SL3	=	Pluma principal con mástil en celosía, versión mixta, variante 3
SL4	=	Pluma principal con mástil en celosía, versión mixta, variante 4
S	=	Pluma principal con mástil en celosía, versión pesada

13.1.2 Accesorio fijo

F	=	Punta fija en celosía
H	=	Pluma auxiliar (polea de ramal simple)



Nota

- Para las poleas de ramal simple con propios dispositivos para pesar, no existen tablas de cargas en anexo.

13.1.3 Accesorio movable

W	=	Punta en celosía basculable, versión pesada
WV	=	Punta en celosía, versión pesada, a un ángulo fijo en relación a la pluma principal

13.1.4 Pluma Derrick

D	=	Pluma Derrick (contrapluma)
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13.1.5 Lastre Derrick

B	=	Lastre de suspensión
BW	=	Coche lastre

13.2 Combinación de los grupos constructivos para los modos de servicio

Los grupos constructivos del sistema de pluma pueden combinarse unos con otros respetando ciertos reglamentos de acuerdo a los modos de servicio.

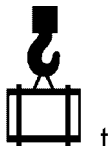
Véase "14. Explicaciones de símbolos" en la pág.38.

14. Explicaciones de símbolos

Colocación del cable de elevación

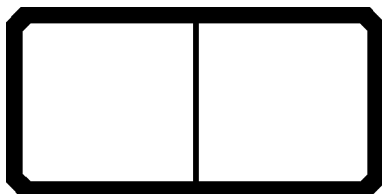


Este símbolo aparece en la tabla "Colocación del cable de elevación" (1ra. tabla en capítulo II). Valor del número de ramales para el cable de elevación con el fin de alcanzar una capacidad de carga determinada.



Carga en toneladas

Este símbolo aparece en la tabla "Colocación del cable de elevación" (1ra. tabla en capítulo II). Valor de la carga máxima autorizada dependiendo de la colocación del cable de elevación.



Símbolo de modos de servicio

El símbolo de los modo de servicio está dividido en dos partes.

Los datos representados en la mitad izquierda del símbolo, indican lo siguiente:

- Modo de pluma principal
- Angulo de pluma principal
- Largo de la pluma principal
- Largo del caballete SA

Los datos representados en la mitad derecha del símbolo, indican lo siguiente:

- Modo de pluma adicional
- Angulo de pluma adicional
- Largo de la pluma adicional



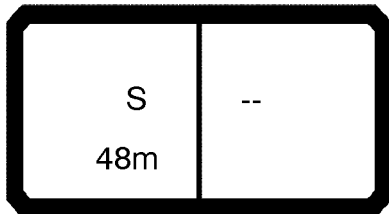
Nota

- ¡Los valores que se representan en la mitad izquierda y mitad derecha del símbolo de los modos de servicio de la tabla de cargas respectiva, deberán concordar exactamente con los ajustes seleccionados en el Controlador de cargas LICCON!
- Igualmente, en los modos de servicio sin accesorio, se debe ajustar la mitad derecha del símbolo de modos de servicio según lo indicado en la representación de la tabla de cargas del Controlador de cargas LICCON, para que se pueda seleccionar debidamente el modo de servicio.

Servicio de grúa sin accesorio

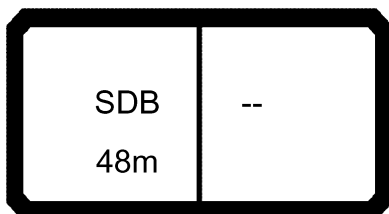
En el servicio de grúa sin accesorio, sólo la mitad izquierda del símbolo está ocupada.

Ejemplos:



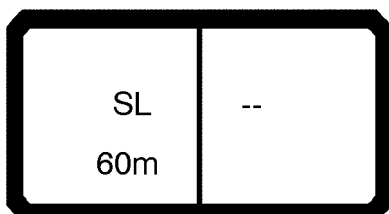
Lado izquierdo = Modo de servicio Pluma principal

- Modo de pluma principal por ej.: S = Pluma principal con mástil en celosía, versión pesada
- Largo de la pluma principal por ej.: 48 m



Lado izquierdo = Modo de servicio Pluma principal

- Modo de pluma principal por ej.: SDB = Pluma principal con mástil en celosía, versión pesada, pluma Derrick y lastre de suspensión
- Largo de la pluma principal por ej.: 48 m



Lado izquierdo = Modo de servicio Pluma principal

- Modo de pluma principal por ej.: SL = Pluma principal con mástil en celosía, versión mixta
- Largo de la pluma principal por ej.: 60 m

Servicio de grúa con accesorio

En el servicio de grúa con accesorio, las dos mitades del símbolo están ocupados.



PELIGRO

Peligro de accidentes!

- ▶ ¡La pluma principal y la punta en celosía basculable no deberán bascularse al mismo tiempo, sino sólo uno después de otro!

Ejemplos:

xx° S 36m	W 24m
--------------	----------

Lado izquierdo = Modo de servicio Pluma principal

- Angulo de pluma principal por ej.: xx° = La pluma principal con mástil en celosía se encuentra a un ángulo fijo cuyo valor en grados se encuentra en la respectiva tabla de cargas en la línea xx en relación a la horizontal.
- Modo de pluma principal por ej.: S = Pluma principal con mástil en celosía, versión pesada
- Largo de la pluma principal por ej.: 36 m

Lado derecho = Modo de servicio Pluma adicional

- Modo de pluma adicional por ej.: W = Punta en celosía basculable, versión pesada
- Largo de la pluma adicional por ej.: 24 m

xx° SDB 48m	W 72m
----------------	----------

Lado izquierdo = Modo de servicio Pluma principal

- Angulo de pluma principal por ej.: xx° = La pluma principal con mástil en celosía se encuentra a un ángulo fijo cuyo valor en grados se encuentra en la respectiva tabla de cargas en la línea xx en relación a la horizontal.
- Modo de pluma principal por ej.: SDB = Pluma principal con mástil en celosía, versión pesada, pluma Derrick y lastre de suspensión
- Largo de la pluma principal por ej.: 48 m

Lado derecho = Modo de servicio Pluma adicional

- Modo de pluma adicional por ej.: W = Punta en celosía basculable, versión pesada
- Largo de la pluma adicional por ej.: 72 m

SDB	WV xx°
84m	12m

Lado izquierdo = Modo de servicio Pluma principal

- Modo de pluma principal por ej.: SDB = Pluma principal con mástil en celosía, versión pesada, pluma Derrick y lastre de suspensión
- Largo de la pluma principal por ej.: 84 m

Lado derecho = Modo de servicio Pluma adicional

- Modo de pluma adicional por ej.: WV = Punta en celosía, versión pesada, a un ángulo fijo en relación a la pluma principal
- Angulo de pluma adicional por ej.: xx° = La pluma adicional con mástil en celosía se encuentra a un ángulo fijo cuyo valor en grados se encuentra en la respectiva tabla de cargas en la línea xx en relación a la pluma principal con mástil en celosía.
- Largo de la pluma adicional por ej.: 12 m

xx° S	W54m
42m	F36m 26°

Lado izquierdo = Modo de servicio Pluma principal

- Angulo de pluma principal por ej.: xx° = La pluma principal con mástil en celosía se encuentra a un ángulo fijo cuyo valor en grados se encuentra en la respectiva tabla de cargas en la línea xx en relación a la horizontal.
- Modo de pluma principal por ej.: S = Pluma principal con mástil en celosía, versión pesada
- Largo de la pluma principal por ej.: 42 m

Lado derecho = Modo de servicio Pluma adicional

- Modo de pluma adicional por ej.: W54m = Punta en celosía basculable, versión pesada. Largo de la punta en celosía basculable 54 m.
- por ej.: F36m 26° = Punta fija en celosía. Largo de la punta fija en celosía 36 m. Montada a un ángulo fijo de 26° con relación a la punta en celosía basculable.

SL	F 10°
72m	36m

Lado izquierdo = Modo de servicio Pluma principal

- Modo de pluma principal por ej.: SL = Pluma principal con mástil en celosía, versión mixta
- Largo de la pluma principal por ej.: 72 m

Lado derecho = Modo de servicio Pluma adicional

- Modo de pluma adicional por ej.: F = Punta fija en celosía
- Ángulo de pluma adicional por ej.: 10° = Montado a un ángulo de 10° en relación a la pluma principal con mástil en celosía.
- Largo de pluma adicional por ej.: 36 m

SL3	F 18°
93m	24m

Lado izquierdo = Modo de servicio Pluma principal

- Modo de pluma principal por ej.: SL3 = Pluma principal con mástil en celosía, versión mixta, variante 3
- Largo de la pluma principal por ej.: 93 m

Lado derecho = Modo de servicio Pluma adicional

- Modo de pluma adicional por ej.: F = Punta fija en celosía
- Ángulo de pluma adicional por ej.: 18° = Montado a un ángulo de 18° en relación a la pluma principal con mástil en celosía.
- Largo de pluma adicional por ej.: 24 m

SL2DB	F 28°
108m	30m

Lado izquierdo = Modo de servicio Pluma principal

- Modo de pluma principal por ej.: SL2DB = Pluma principal con mástil en celosía, versión mixta, variante 2, pluma Derrick y lastre de suspensión
- Largo de la pluma principal por ej.: 108 m

Lado derecho = Modo de servicio Pluma adicional

- Modo de pluma adicional por ej.: F = Punta fija en celosía
- Ángulo de pluma adicional por ej.: 28° = Montado a un ángulo de 28° en relación a la pluma principal con mástil en celosía.
- Largo de pluma adicional por ej.: 30 m

SL4DBW	F 32°
78m	18m

Lado izquierdo = Modo de servicio Pluma principal

- Modo de pluma principal por ej.: SL4DBW = Pluma principal con mástil en celosía, versión mixta, variante 4, pluma Derrick y coche lastre
- Largo de la pluma principal por ej.: 78 m

Lado derecho = Modo de servicio Pluma adicional

- Modo de pluma adicional por ej.: F = Punta fija en celosía
- Ángulo de pluma adicional por ej.: 32° = Montado a un ángulo de 32° en relación a la pluma principal con mástil en celosía.
- Largo de pluma adicional por ej.: 18 m

Modos de servicio para el montaje



PELIGRO

¡Peligro de accidentes!

- ▶ El modo de servicio para el montaje SA deberá utilizarse exclusivamente para el montaje de los componentes de la grúa. ¡Las instrucciones para el montaje en el manual de instrucciones para el uso deben observarse estrictamente!

Ejemplos:

SA 10.5m	-- (SA)
-------------	------------

Lado izquierdo = Modo de servicio Pluma principal

- Angulo de pluma principal por ej.: SA = Servicio de montaje con el
caballete SA
- Largo del caballete SA por ej.: 10,5 m

Símbolos del alcance

El alcance (radio de trabajo) es la distancia horizontal medida en el suelo entre el centro de gravedad de la carga enganchada y el eje giratorio del chasis superior.



Símbolo de alcance para modos de servicio con pluma principal.



Símbolo de alcance para los modos de servicio Pluma principal con pluma Derrick y lastre Derrick.



Símbolo de alcance para los modos de servicio Pluma adicional con accesorio fijo.



Símbolo de alcance para los modos de servicio Pluma adicional con accesorio fijo, pluma Derrick y lastre Derrick.



Símbolo de alcance para los modos de servicio Pluma adicional con accesorio móvil.



Símbolo de alcance para los modos de servicio Pluma adicional con accesorio móvil, pluma Derrick y lastre Derrick.



m > < t

Largo de pluma principal con mástil en celosía

En la raya debajo de este símbolo se encuentran diferentes largos de pluma en forma de columnas. Las letras al lado del símbolo de pluma indican las unidades de medida de los diferentes valores indicados por ej.: "m> <t" significa que todos los valores de longitud están en metros [m], y las de peso en toneladas [t].

CODE>0010<

Código abreviado

Código abreviado de 4 dígitos. Describe de forma abreviada el modo de servicio / estado de equipo ajustado. El código abreviado puede introducirse directamente en el Controlador de cargas LICCON para abrir la tabla de cargas respectiva.

* n *

Colocación del cable de elevación

Aparece en las tablas de cargas en forma de línea debajo de los valores de carga. Indica el número de ramales del cable de elevación, necesario para elevar la carga máxima correspondiente a la columna de tabla respectiva en el servicio de grúa con 1 cabrestante de cable de elevación. Si un valor de carga de la columna sobrepasa la carga levantable con el número de ramal máximo posible en el servicio de grúa con 1 cabrestante de cable de elevación, entonces al lado del número de ramal, se inscribe una marca (!), indicando que para elevar dicha carga, es necesario un equipo especial.

El número de ramales requerido para el servicio paralelo del cabrestante de cable de elevación 1 y cabrestante de cable de elevación 2 debe calcularse a partir de la tabla de colocación de cable. Véase "8. Colocación del cable de elevación" en la pág.9.

xx

Angulo de pluma principal / Angulo relativo de pluma adicional

Aparece sólo con los modos de servicio con punta en celosía basculable en forma de línea debajo del número de ramales.

En las columnas, se han indicado al lado los ángulos de pluma principal o los ángulos de pluma adicional que deberán ajustarse para poder elevar las cargas correspondientes a la columna de carga.



Nota

- ▶ Si se ha indicado xx en la mitad izquierda del símbolo de modos de servicio (modo de servicio de pluma principal), entonces se ha inscrito los ángulos de pluma principal en las columnas.
- ▶ Si se ha indicado xx en la mitad derecha del símbolo de modos de servicio (modo de servicio de pluma adicional), entonces se han inscrito en las columnas los ángulos relativos de pluma adicional en relación a la pluma principal.

Radio del lastre Derrick

yy

Aparece sólo con los modos de servicio con lastre Derrick en forma de línea debajo del número de ramales. En las columnas están indicados sucesivamente los radios de lastre Derrick que deben ajustarse para poder elevar las cargas al respectivo valor indicado en la columna de carga.

Peso de lastre Derrick

zz

Aparece sólo con los modos de servicio con lastre Derrick en forma de línea debajo del radio lastre Derrick. En las columnas se han inscrito al lado, los pesos de lastre Derrick que deberán consultarse para poder elevar las cargas de la columna de tablas respectivas.

Radio lastre Derrick y peso de lastre Derrick

El símbolo aparece con los modos de servicio con lastre Derrick en vez del símbolo de campo de giro. El campo de giro autorizado del chasis superior es con estos modos de servicio de 360°.



Valores en el símbolo

- | | |
|----|---|
| zz | Peso de lastre Derrick que debe consultarse para poder elevar la carga de la respectiva columna de tabla. |
| yy | Radio de lastre Derrick que debe ajustarse para poder elevar la carga de la respectiva columna de tabla. |



Lastre central

En este símbolo, se indica el valor del lastre central expresado en toneladas [t] que debe encontrarse en el vehículo sobre orugas para poder llegar a los valores de la tabla presente.



Contrapeso

En este símbolo, se indica el valor del contrapeso expresado en toneladas [t] que debe encontrarse en la plataforma giratoria para poder llegar a los valores de la tabla presente.



Combinaciones de lastre

En este símbolo, se indican diferentes combinaciones de lastre. En la tabla indicada abajo se puede ver la composición de las combinaciones de lastre. Para obtener los valores de la tabla de cargas en cuestión, los contrapesos indicados y el lastre central de la respectiva combinación de lastre deben estar montados en la posición respectiva.

Combinación de lastre	Contrapeso en la plataforma giratoria	Contrapeso en la prolongación de plataforma giratoria	Lastre central
var1	90 t	67,5 t	65 t
var2	90 t	67,5 t	45 t
var3	90 t	47,5 t	45 t
var4	90 t	27,5 t	45 t



Radio de giro

Características de la zona de giro del conjunto superior de la grúa para la tabla de cargas portantes correspondiente:

360° = giro sin limitación alguna



Servicio de grúa "Grúa estabilizada"

Valores de la base de apoyo (por ej. 17,5 m x 10,0 m = largo x ancho). Los estabilizadores hidráulicos de la grúa deben estar extendidos a la medida indicada en este símbolo, si se debe operar con la respectiva tabla de cargas.



Velocidad de viento autorizado

Indicación de la velocidad del viento en [m/s] hasta la cual se permite el servicio de la grúa, según el largo de la pluma. Si la velocidad del viento sobrepasa el valor indicado, se debe ajustar el servicio de la grúa y, eventualmente retirar el equipo de la grúa.

15. Velocidad de giro autorizado e inclinación lateral

15.1 Velocidad de giro máxima autorizada del chasis superior con la carga nominal enganchada



ADVERTENCIA

¡Peligro de accidentes!

¡Si la velocidad de giro máxima autorizada se sobrepasa, la grúa puede volcarse y los componentes llevando la carga pueden sobrecargarse!

► ¡La velocidad de giro autorizada no podrá sobrepasarse!

Modo de servicio	Número de mecanismos giratorios	Velocidad de giro autorizado LICCON [%]	Velocidad de giro autorizado $\left[\frac{1}{\text{min}}\right]$
Todos los modos de servicio	1	5	0,05
	2	5	0,05
	3	5	0,04

15.2 Inclinación lateral máxima autorizada de la grúa al operar con las tablas de cargas



ADVERTENCIA

¡Peligro de vuelco!

¡Si se sobrepasa la inclinación lateral máxima autorizada, la grúa puede volcarse!

► ¡La inclinación lateral autorizada no podrá sobrepasarse!

Modo de servicio	Inclinación lateral máxima autorizada de la grúa al operar con las tablas de cargas.
Sobre orugas	0,3°
Sobre estabilizadores	0,0°

16. Influencias del viento en el servicio de grúa

16.1 Definición de la terminología

Para una mejor comprensión, se indican a continuación los términos más importantes relativos a la influencia del viento en el servicio de grúa.



Nota

- Acostúmbrese a esta terminología. Para determinar y calcular la velocidad de viento autorizado, se deben conocer la magnitud de las influencias!
- ¡Diríjase a la empresa Liebherr-Werk Ehingen GmbH, si necesita más informaciones sobre las influencias del viento durante el servicio de grúa!

		Denominación	Definición
A_P	$[m^2]$	Superficie de proyección	Superficie determinante para el cálculo de la superficie expuesta al viento, vertical en relación al flujo de entrada.
c_W		Coeficiente de resistencia al viento	Valor para el arrastre de un cuerpo en resistencia al viento.
A_W	$[m^2]$	Superficie expuesta al viento	Superficie expuesta al viento = Superficie de proyección x Coeficiente de resistencia $A_W = A_P \times c_W$
m_T	$[t]$	Carga	Valor individual tomado de la tabla de cargas.
m_H	$[t]$	Carga de elevación	Peso por elevar (Masa) (incluye elementos de detención, motón de gancho y eventualmente parte del cable de elevación no considerado todavía en el cálculo). La carga de elevación podrá alcanzar como máximo aquel valor indicado como máximo en la tabla de cargas.
m_N	$[t]$	Carga útil	Peso (Masa) del componente por elevar (sin elementos de detención ni motón de gancho).

		Denominación	Definición
$v(z)$	[m/s]	Velocidad de ráfagas de viento de 3 segundos	Valor promedio resentido en un espacio de 3 segundos a una altura z sobre el nivel del suelo.
v_{\max}	[m/s]	Velocidad de viento máximo autorizado	Velocidad de ráfagas de viento máximo autorizado de 3 segundos a una altura de elevación máxima.
v_{\max_TAB}	[m/s]	Velocidad de viento máximo autorizado (tabla de cargas)	Velocidad de ráfagas de viento máximo autorizado de 3 segundos a una altura de elevación máxima de acuerdo con la tabla de cargas para los valores de carga.
p	[N/m ²]	Presión dinámica	Carga de presión sometido en un cuerpo debido al flujo de entrada del viento. Presión dinámica = Densidad /2 x (velocidad ráfaga de viento de 3 segundos) ² $p = \rho/2 \times (v(z))^2$ (ρ = Densidad del aire = 1,25 kg/m ³)
F_W	[n]	Cargas sometidas a viento	Influencia de fuerza ejercida en un cuerpo debido al flujo de entrada del viento. $F_W = A_W \times p$

16.2 Influencia del viento ejercida en Controlador de cargas LICCON

Especialmente en los modos de servicio con sistemas largos de pluma y con la pluma en posición vertical, el sistema de la grúa puede estar sometido a carga o descarga adicional por la influencia del viento. Por consecuencia el valor de la carga visualizada está alterada. El Controlador de cargas LICCON se puede eventualmente desconectar mucho antes o mucho después.

16.2.1 Viento ejercido por la parte posterior

Si el viento viene por la parte posterior, el sistema de pluma estará sometido a carga adicional. La indicación del valor de carga será demasiado alta. La desconexión del Controlador de cargas LICCON ya se produce con una carga de elevación la cual es inferior a la carga máxima.

16.2.2 Viento ejercido por la parte de delante

Si el viento viene por la parte de delante, el sistema de pluma estará sometido a descarga adicional. La indicación del valor de carga será demasiado baja. La desconexión del Controlador de cargas LICCON se produce con una carga de elevación sólo cuando ésta es mayor que la carga máxima.



PELIGRO

¡Peligro de vuelco y peligro de sobrecarga de los componentes portadores de carga!

Los vientos por la parte delantera no reducen la carga ejercida en el gancho, cable de elevación, poleas de cable ni cabrestante de elevación. ¡En caso de vientos por la parte delantera, se podría sobrecargar dicho grupo constructivo al elevar la carga hasta llegar a la desconexión del Controlador de cargas LICCON!

Si baja el viento por la parte delantera y si antes se había cargado hasta haberse desconectado el Controlador de cargas LICCON, toda la grúa podrá sobrecargarse.

- ¡El gruista deberá conocer el peso de la carga de elevación y no podrá sobrepasar la carga máxima!

16.2.3 Viento por el lado lateral

Si el viento viene por la parte lateral, el sistema de pluma estará sometido a carga lateralmente. El indicador de carga es casi el mismo que con el servicio de grúa sin influencia del viento.



PELIGRO

¡Peligro de vuelco y peligro de sobrecarga de los componentes portadores de carga!

¡Si con el servicio de grúa, la velocidad de viento es mayor que aquella máxima autorizada, entonces la grúa se sobrecargará involuntariamente con el viento lateral!

- Antes de poner el servicio de grúa, conocer las velocidades de viento máximos autorizados y si es necesario efectuar un cálculo de la superficie de ataque del viento de la carga!

16.3 Velocidad de viento autorizado y cálculo de la superficie de ataque del viento de la carga



PELIGRO

¡Peligro de vuelco y peligro de sobrecarga de los componentes portadores de carga!

- ▶ El gruista antes de iniciar las operaciones, deberá informarse en el Instituto de Meteorología competente sobre las velocidades de viento previstas durante el tiempo de la operación. ¡Si se han pronosticado velocidades del viento inadmisibles, esta prohibido levantar la carga de elevación!
- ▶ ¡La velocidad de ráfagas de viento de 3 segundos $v(z)$ a una altura de elevación máxima, no deberá sobrepasar en ningún momento la velocidad de viento máximo autorizado ($v_{\text{máx}}$) ni la velocidad de viento máximo autorizado indicada según la tabla de cargas ($v_{\text{máx_TAB}}$)!



Nota

- ▶ La velocidad de viento máximo autorizado ($v_{\text{máx}}$) y la velocidad de viento máximo autorizado indicada según la tabla de cargas ($v_{\text{máx_TAB}}$) se refieren siempre a la velocidad de ráfagas de 3 segundos que alcanza en la altura máxima de elevación.

Los servicios de meteorología indican por lo general una velocidad de viento medida en un espacio de tiempo de 10 minutos (llamado promedio de 10 minutos) en vez de ráfagas resentedas durante 3 segundos. La velocidad de viento se relaciona normalmente al promedio de la velocidad de viento tal como lo es la escala de viento a la escala Beaufort, es decir una velocidad medida en un espacio de tiempo de 10 minutos a una altura de 10 m sobre el nivel del suelo o sobre el nivel del mar.

¡La velocidad de ráfagas de viento de 3 segundos determinante para el cálculo a una altura máxima de elevación es muy superior al promedio de velocidad de viento medida en un espacio de 10 minutos a una altura de 10 m sobre el nivel del suelo!

El servicio de grúa de manera general está autorizado hasta llegar a la velocidad de viento máximo autorizado ($v_{\text{máx_TAB}}$) indicada en la respectiva tabla de cargas para el largo de pluma actual.

Para ello, los requisitos previos son los siguientes:

- La superficie sometida al viento (A_W) de la carga de elevación no es superior a $1,2 \text{ m}^2/\text{t}$

¡Si la superficie sometida al viento (A_W) de la carga de elevación es superior a $1,2 \text{ m}^2/\text{t}$, se debe volver a medir la velocidad de viento máximo autorizado ($v_{\text{máx}}$)!

16.3.1 Medida de la velocidad de viento máximo autorizado

Con los métodos siguientes, se puede medir la velocidad de viento máximo autorizado:

- 1.) Cálculo con fórmula
- 2.) Medida con diagramas de escalas de viento

16.3.2 Cálculo de la velocidad de viento máximo autorizado con fórmula

$$V_{\max} = V_{\max_TAB} \times \sqrt{\frac{1,2 \frac{m^2}{t} \times m_H}{A_W}}$$

Fórmula para calcular la velocidad de viento máximo autorizado

Para el cálculo se requieren los siguientes datos:

- Velocidad de viento máximo autorizado de acuerdo con la tabla de cargas (V_{\max_TAB})
- Carga de elevación (m_H)
- Superficie de proyección de la carga de elevación (A_P)
- Coeficiente de resistencia al viento (c_W)

Descripción del procedimiento:

- 1.) Cálculo de la superficie sometida al viento ($A_W = A_P \times c_W$)
- 2.) Control si la superficie sometida al viento A_W sobrepasa el valor límite de $1,2 \text{ m}^2/\text{t}$
- 3.) Cálculo de la velocidad de viento máximo autorizado (V_{\max})

Ejemplo para calcular la velocidad de viento máximo autorizado

Datos para calcular el estado de carga:

$$V_{\text{máx_TAB}} = 9,0 \text{ m/s}$$

$$m_H = 50,0 \text{ t}$$

$$A_P = 70,0 \text{ m}^2$$

$$c_W = 1,4$$

Procedimiento 1: Cálculo de la superficie sometida al viento

$$A_W = A_P \times c_W$$

$$A_W = 70,0 \text{ m}^2 \times 1,4$$

$$A_W = 98,0 \text{ m}^2$$

Resultado:

- La superficie sometida al viento A_W es de : **98,0 m²**

Procedimiento 2: Control si la superficie sometida al viento A_W sobrepasa el valor límite de 1,2 m²/t

La superficie sometida al viento por tonelada de carga de elevación es de:

$$98,0 \text{ m}^2 / 50 \text{ t} = \mathbf{1,96 \text{ m}^2/\text{t}}$$

Resultado:

- La superficie sometida al viento por toneladas de carga de elevación sobrepasa el valor límite de 1,2 m²/t.

► ¡La velocidad de viento máximo autorizado debe volverse a calcular!

Procedimiento 3: Cálculo de la velocidad de viento máximo autorizado

$$V_{\text{max}} = V_{\text{max_TAB}} \times \sqrt{\frac{1,2 \frac{\text{m}^2}{\text{t}} \times m_H}{A_W}}$$

$$V_{\text{max}} = 9 \frac{\text{m}}{\text{s}} \times \sqrt{\frac{1,2 \frac{\text{m}^2}{\text{t}} \times 50 \text{ t}}{98 \text{ m}^2}}$$

$$\underline{\underline{V_{\text{max}} = 7,04 \frac{\text{m}}{\text{s}}}}$$

Resultado:

- La velocidad de viento máximo autorizado es de: **7,04 m/s**

16.3.3 Medida de la velocidad de viento máximo autorizado con diagramas de escalas de viento

Dependiendo de la velocidad de viento máximo autorizado de acuerdo con la tabla de cargas ($v_{\text{máx_TAB}}$), la velocidad de viento máximo autorizado ($v_{\text{máx}}$) puede medirse para el estado de carga con los siguientes diagramas de escalas de viento.

Presentación del diagrama de escalas de viento:

- **Diagrama 7,0 m/s:** Diagramas de escalas de viento para tablas de cargas con una velocidad de viento máximo autorizado ($v_{\text{máx_TAB}}$) de 7,0 m/s
- **Diagrama 8,6 m/s:** Diagramas de escalas de viento para tablas de cargas con una velocidad de viento máximo autorizado ($v_{\text{máx_TAB}}$) de 8,6 m/s
- **Diagrama 9,0 m/s:** Diagramas de escalas de viento para tablas de cargas con una velocidad de viento máximo autorizado ($v_{\text{máx_TAB}}$) de 9,0 m/s
- **Diagrama 9,9 m/s:** Diagramas de escalas de viento para tablas de cargas con una velocidad de viento máximo autorizado ($v_{\text{máx_TAB}}$) de 9,9 m/s
- **Diagrama 11,1 m/s:** Diagramas de escalas de viento para tablas de cargas con una velocidad de viento máximo autorizado ($v_{\text{máx_TAB}}$) de 11,1 m/s
- **Diagrama 12,8 m/s:** Diagramas de escalas de viento para tablas de cargas con una velocidad de viento máximo autorizado ($v_{\text{máx_TAB}}$) de 12,8 m/s
- **Diagrama 14,3 m/s:** Diagramas de escalas de viento para tablas de cargas con una velocidad de viento máximo autorizado ($v_{\text{máx_TAB}}$) de 14,3 m/s



AVISO

¡Peligro de accidentes al confundirse de diagrama de escala de viento!

- ¡La velocidad de viento máximo autorizado según la tabla de cargas ($v_{\text{máx_TAB}}$) debe coincidir con la velocidad de viento máximo autorizado del diagrama de escala de viento!
-

Para medir se requieren los siguientes datos:

- Velocidad de viento máximo autorizado de acuerdo con la tabla de cargas ($v_{\text{máx_TAB}}$)
- Carga de elevación (m_H)
- Superficie de proyección de la carga de elevación (A_P)
- Coeficiente de resistencia al viento (c_W)

Descripción del procedimiento:

- 1.) Cálculo de la superficie sometida al viento ($A_W = A_P \times c_W$)
- 2.) Control si la superficie sometida al viento A_W sobrepasa el valor límite de $1,2 \text{ m}^2/\text{t}$
- 3.) Medida de la velocidad de viento máximo autorizado ($v_{\text{máx}}$) tomada del respectivo diagrama de escala de viento

Ejemplo para medir la velocidad de viento máximo autorizado

Datos para calcular el estado de carga:

$$v_{\text{máx_TAB}} = 9,0 \text{ m/s}$$

$$m_H = 50,0 \text{ t}$$

$$A_P = 70,0 \text{ m}^2$$

$$c_W = 1,4$$

Procedimiento 1: Cálculo de la superficie sometida al viento

$$A_W = A_P \times c_W$$

$$A_W = 70,0 \text{ m}^2 \times 1,4$$

$$A_W = 98,0 \text{ m}^2$$

Resultado:

- La superficie sometida al viento A_W es de : **98,0 m²**

Procedimiento 2: Control si la superficie sometida al viento A_W sobrepasa el valor límite de 1,2 m²/t

La superficie sometida al viento por tonelada de carga de elevación es de:
 $98,0 \text{ m}^2 / 50 \text{ t} = \mathbf{1,96 \text{ m}^2/\text{t}}$

Resultado:

- La superficie sometida al viento por toneladas de carga de elevación sobrepasa el valor límite de 1,2 m²/t.

► ¡La velocidad de viento máximo autorizado debe volverse a medir!

Procedimiento 3: Medida de la velocidad de viento máximo autorizado ($v_{\text{máx}}$) tomada del respectivo diagrama de escala de viento

Medida de la velocidad de viento máximo autorizado ($v_{\text{máx}}$) tomada del respectivo diagrama de escala de viento para las tablas de cargas con una velocidad de viento máximo autorizado ($v_{\text{máx_TAB}}$) de 9 m/s.

Diagrama de 9,0 m/s

Resultado:

- La velocidad de viento máximo autorizado es de: **7,04 m/s**

16.3.4 Diagramas de escala de viento

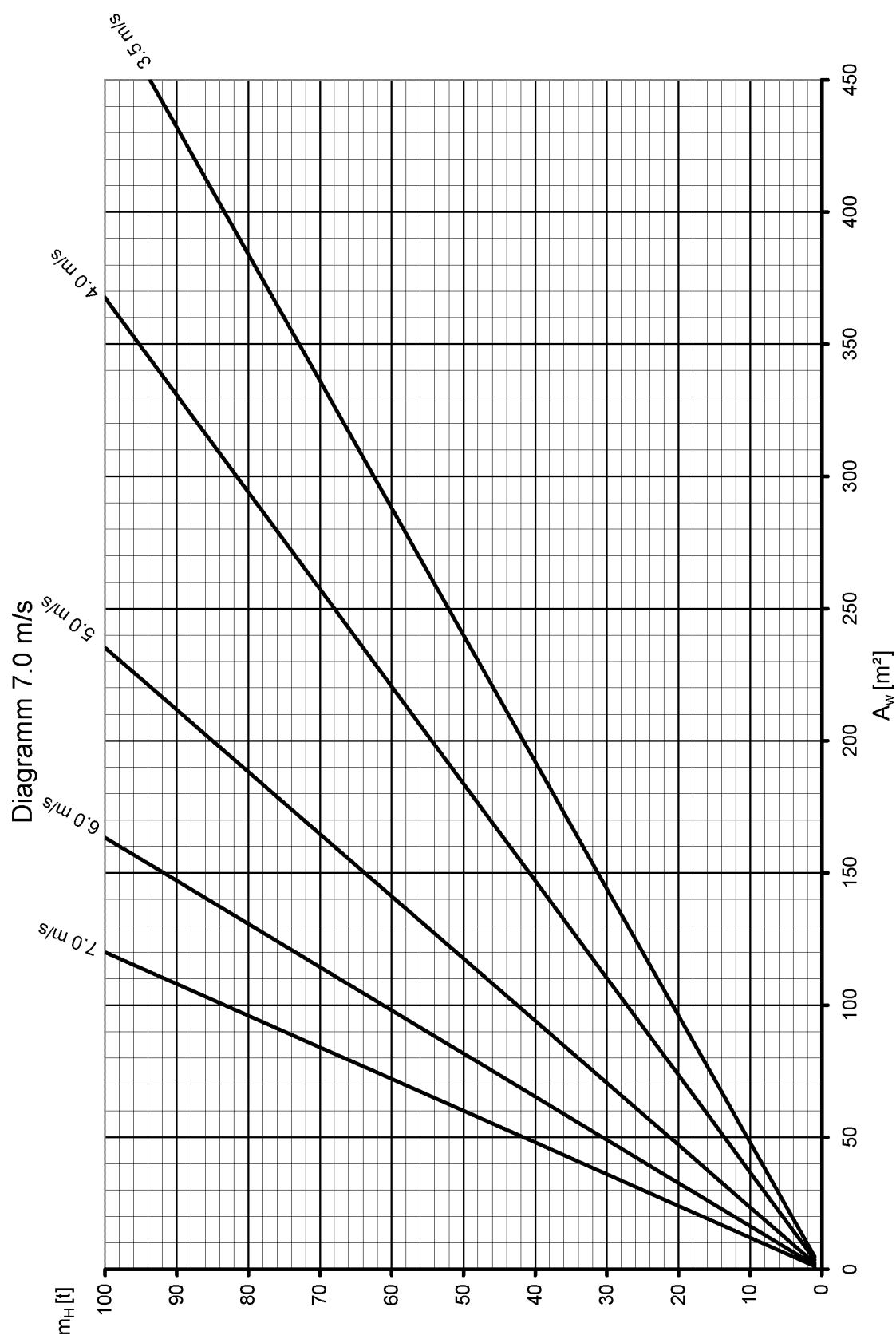


Diagrama de escala de viento de 7,0 m/s para tablas de cargas con una velocidad de viento máximo autorizado ($v_{\text{máx_TAB}}$) de 7,0 m/s.



Diagrama de escala de viento de 8,6 m/s para tablas de cargas con una velocidad de viento máximo autorizado ($V_{m\acute{a}x_TAB}$) de 8,6 m/s.



Diagrama de escala de viento de 9,0 m/s para tablas de cargas con una velocidad de viento máximo autorizado ($v_{m\acute{a}x_TAB}$) de 9,0 m/s.

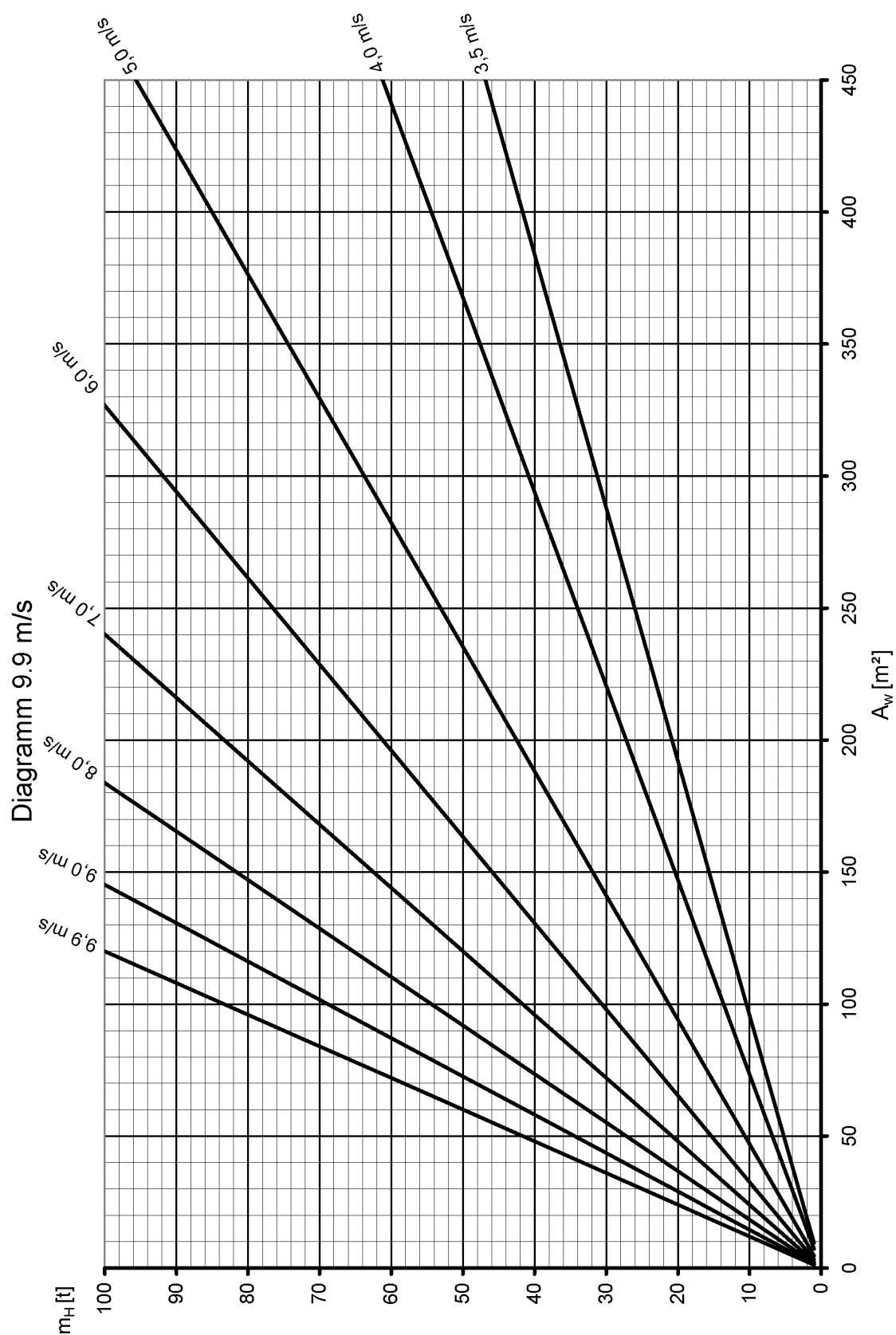


Diagrama de escala de viento de 9,9 m/s para tablas de cargas con una velocidad de viento máximo autorizado ($v_{m\acute{a}x_TAB}$) de 9,9 m/s.



Diagrama de escala de viento de 11,1 m/s para tablas de cargas con una velocidad de viento máximo autorizado ($v_{m\acute{a}x_TAB}$) de 11,1 m/s.



Diagrama de escala de viento de 12,8 m/s para tablas de cargas con una velocidad de viento máximo autorizado ($v_{m\acute{a}x_TAB}$) de 12,8 m/s.

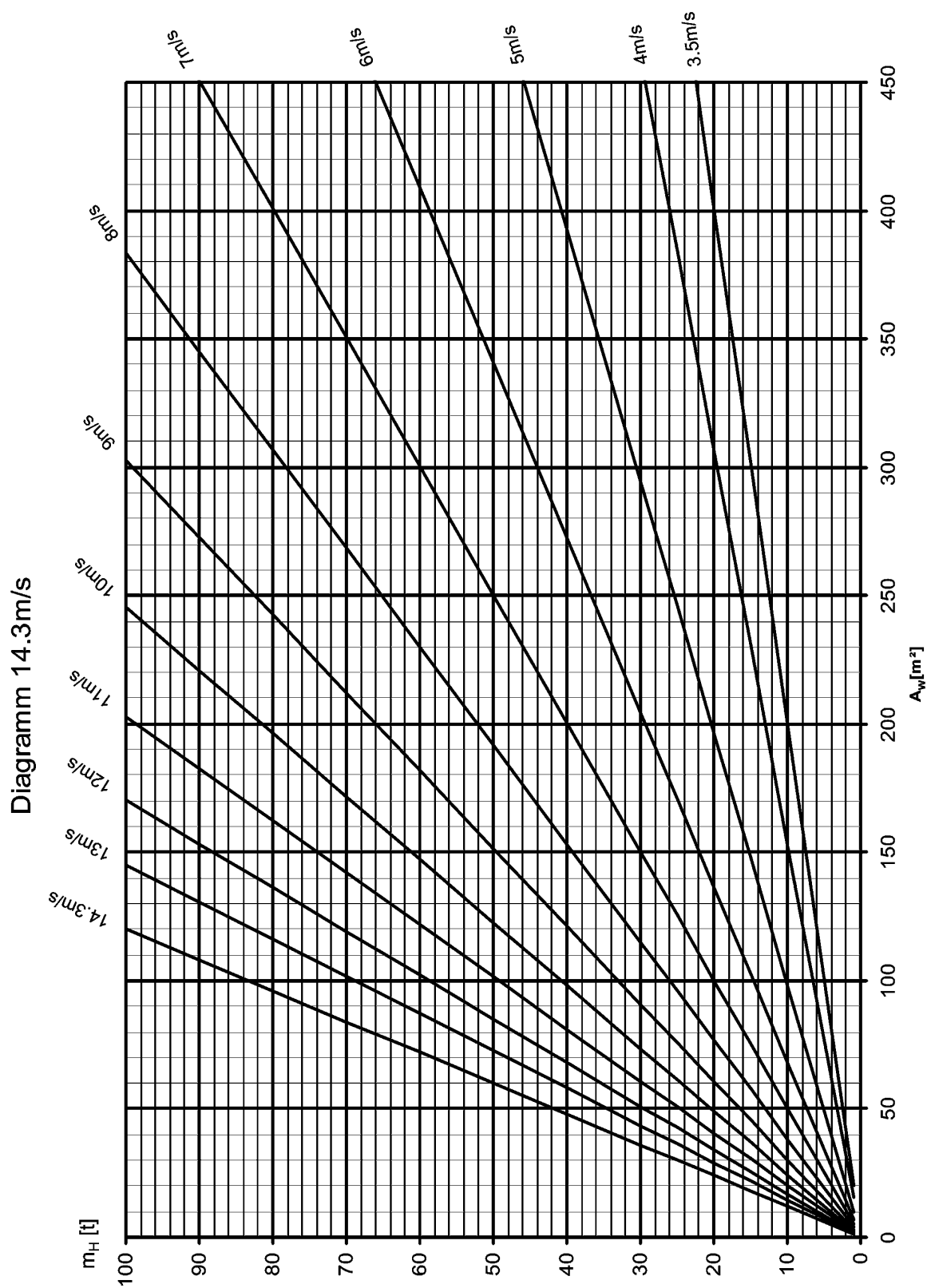
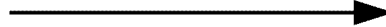
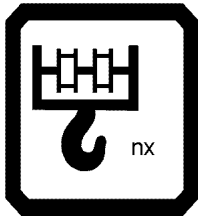
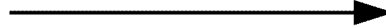
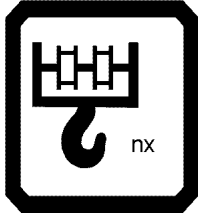


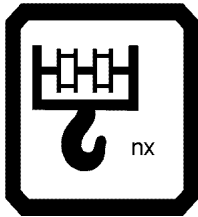
Diagrama de escala de viento de 14,3 m/s para tablas de cargas con una velocidad de viento máximo autorizado ($V_{m\acute{a}x_TAB}$) de 14,3 m/s.



48



50



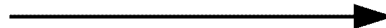
52

SA	--
10.5m	(SA)



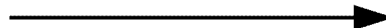
53

SL2DB	F 11°
72m	12m



54

SL2DB	F 16°
72m	12m



56

SL2DB	F 31°
72m	12m



58



SL2DB 72m	F 13° 18m	→	60
SL2DB 72m	F 18° 18m	→	62
SL2DB 72m	F 32° 18m	→	64
SL2DB 72m	F 13° 24m	→	66
SL2DB 72m	F 18° 24m	→	68
SL2DB 72m	F 30° 24m	→	70
SL2DB 72m	F 12° 30m	→	72

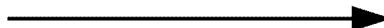


SL2DB	F 16°
72m	30m



73

SL2DB	F 28°
72m	30m



74

SL2DB	F 10°
72m	36m



75

SL2DB	F 14°
72m	36m



76

SL2DB	F 26°
72m	36m



77

SL2DB	F 11°
78m	12m



78

SL2DB	F 16°
78m	12m



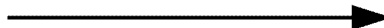
81



SL2DB 78m	F 31° 12m	→	83
SL2DB 78m	F 13° 18m	→	85
SL2DB 78m	F 18° 18m	→	87
SL2DB 78m	F 32° 18m	→	89
SL2DB 78m	F 13° 24m	→	91
SL2DB 78m	F 18° 24m	→	93
SL2DB 78m	F 30° 24m	→	95

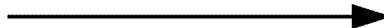


SL2DB	F 12°
78m	30m



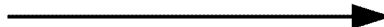
97

SL2DB	F 16°
78m	30m



99

SL2DB	F 28°
78m	30m



100

SL2DB	F 10°
78m	36m



101

SL2DB	F 14°
78m	36m



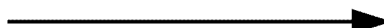
102

SL2DB	F 26°
78m	36m



103

SL2DB	F 11°
84m	12m



104



SL2DB 84m	F 16° 12m	→	107
SL2DB 84m	F 31° 12m	→	110
SL2DB 84m	F 13° 18m	→	112
SL2DB 84m	F 18° 18m	→	114
SL2DB 84m	F 32° 18m	→	116
SL2DB 84m	F 13° 24m	→	118
SL2DB 84m	F 18° 24m	→	120



SL2DB 84m	F 30° 24m	→	122
SL2DB 84m	F 12° 30m	→	124
SL2DB 84m	F 16° 30m	→	126
SL2DB 84m	F 28° 30m	→	128
SL2DB 84m	F 10° 36m	→	129
SL2DB 84m	F 14° 36m	→	130
SL2DB 84m	F 26° 36m	→	131



SL2DB 90m	F 11° 12m	→	132
SL2DB 90m	F 16° 12m	→	135
SL2DB 90m	F 31° 12m	→	138
SL2DB 90m	F 13° 18m	→	141
SL2DB 90m	F 18° 18m	→	143
SL2DB 90m	F 32° 18m	→	145
SL2DB 90m	F 13° 24m	→	147



SL2DB 90m	F 18° 24m	→	149
SL2DB 90m	F 30° 24m	→	151
SL2DB 90m	F 12° 30m	→	153
SL2DB 90m	F 16° 30m	→	155
SL2DB 90m	F 28° 30m	→	157
SL2DB 90m	F 10° 36m	→	159
SL2DB 90m	F 14° 36m	→	160



SL2DB 90m	F 26° 36m	→	161
SL2DB 96m	F 11° 12m	→	162
SL2DB 96m	F 16° 12m	→	165
SL2DB 96m	F 31° 12m	→	168
SL2DB 96m	F 13° 18m	→	171
SL2DB 96m	F 18° 18m	→	174
SL2DB 96m	F 32° 18m	→	177



SL2DB 96m	F 13° 24m	→	179
SL2DB 96m	F 18° 24m	→	181
SL2DB 96m	F 30° 24m	→	183
SL2DB 96m	F 12° 30m	→	185
SL2DB 96m	F 16° 30m	→	187
SL2DB 96m	F 28° 30m	→	189
SL2DB 96m	F 10° 36m	→	191



SL2DB 96m	F 14° 36m	→	192
SL2DB 96m	F 26° 36m	→	193
SL2DB 102m	F 11° 12m	→	194
SL2DB 102m	F 16° 12m	→	197
SL2DB 102m	F 31° 12m	→	200
SL2DB 102m	F 13° 18m	→	203
SL2DB 102m	F 18° 18m	→	206



SL2DB 102m	F 32° 18m	→	209
SL2DB 102m	F 13° 24m	→	212
SL2DB 102m	F 18° 24m	→	215
SL2DB 102m	F 30° 24m	→	218
SL2DB 102m	F 12° 30m	→	220
SL2DB 102m	F 16° 30m	→	222
SL2DB 102m	F 28° 30m	→	224



SL2DB 102m	F 10° 36m	→	226
SL2DB 102m	F 14° 36m	→	228
SL2DB 102m	F 26° 36m	→	229
SL2DB 108m	F 11° 12m	→	230
SL2DB 108m	F 16° 12m	→	233
SL2DB 108m	F 31° 12m	→	236
SL2DB 108m	F 13° 18m	→	239



SL2DB 108m	F 18° 18m	→	242
SL2DB 108m	F 32° 18m	→	245
SL2DB 108m	F 13° 24m	→	248
SL2DB 108m	F 18° 24m	→	251
SL2DB 108m	F 30° 24m	→	254
SL2DB 108m	F 12° 30m	→	257
SL2DB 108m	F 16° 30m	→	260



SL2DB 108m	F 28° 30m	→	262
SL2DB 108m	F 10° 36m	→	264
SL2DB 108m	F 14° 36m	→	266
SL2DB 108m	F 26° 36m	→	268
SL2DB 114m	F 11° 12m	→	269
SL2DB 114m	F 16° 12m	→	272
SL2DB 114m	F 31° 12m	→	275



SL2DB 114m	F 13° 18m	→	278
SL2DB 114m	F 18° 18m	→	281
SL2DB 114m	F 32° 18m	→	284
SL2DB 114m	F 13° 24m	→	287
SL2DB 114m	F 18° 24m	→	290
SL2DB 114m	F 30° 24m	→	293
SL2DB 114m	F 12° 30m	→	296



SL2DB 114m	F 16° 30m	→	299
SL2DB 114m	F 28° 30m	→	302
SL2DB 114m	F 10° 36m	→	304
SL2DB 114m	F 14° 36m	→	306
SL2DB 114m	F 26° 36m	→	308
SL2DB 120m	F 11° 12m	→	309
SL2DB 120m	F 16° 12m	→	312



SL2DB 120m	F 31° 12m	→	315
SL2DB 120m	F 13° 18m	→	318
SL2DB 120m	F 18° 18m	→	321
SL2DB 120m	F 32° 18m	→	324
SL2DB 120m	F 13° 24m	→	327
SL2DB 120m	F 18° 24m	→	330
SL2DB 120m	F 30° 24m	→	333



SL2DB 120m	F 12° 30m	→	336
SL2DB 120m	F 16° 30m	→	339
SL2DB 120m	F 28° 30m	→	342
SL2DB 120m	F 10° 36m	→	344
SL2DB 120m	F 14° 36m	→	346
SL2DB 120m	F 26° 36m	→	348
SL2DB 126m	F 11° 12m	→	349



SL2DB 126m	F 16° 12m	→	352
SL2DB 126m	F 31° 12m	→	355
SL2DB 126m	F 13° 18m	→	358
SL2DB 126m	F 18° 18m	→	361
SL2DB 126m	F 32° 18m	→	364
SL2DB 126m	F 13° 24m	→	367
SL2DB 126m	F 18° 24m	→	370



SL2DB 126m	F 30° 24m	→	373
SL2DB 126m	F 12° 30m	→	376
SL2DB 126m	F 16° 30m	→	379
SL2DB 126m	F 28° 30m	→	382
SL2DB 126m	F 10° 36m	→	385
SL2DB 126m	F 14° 36m	→	387
SL2DB 126m	F 26° 36m	→	389



SL2DB 132m	F 11° 12m	→	390
SL2DB 132m	F 16° 12m	→	393
SL2DB 132m	F 31° 12m	→	396
SL2DB 132m	F 13° 18m	→	399
SL2DB 132m	F 18° 18m	→	402
SL2DB 132m	F 32° 18m	→	405
SL2DB 132m	F 13° 24m	→	408



SL2DB 132m	F 12° 30m	→	411
SL2DB 132m	F 10° 36m	→	414
SL2DB 138m	F 11° 12m	→	416
SL2DB 138m	F 13° 18m	→	419
SL2DB 138m	F 13° 24m	→	422
SL4DB 72m	F 11° 12m	→	425
SL4DB 72m	F 16° 12m	→	427

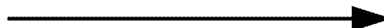


SL4DB	F 31°
72m	12m



429

SL4DB	F 13°
72m	18m



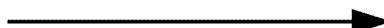
431

SL4DB	F 18°
72m	18m



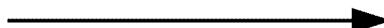
433

SL4DB	F 32°
72m	18m



435

SL4DB	F 13°
72m	24m



437

SL4DB	F 18°
72m	24m



438

SL4DB	F 30°
72m	24m



439



SL4DB	F 12°
72m	30m



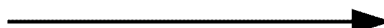
440

SL4DB	F 16°
72m	30m



441

SL4DB	F 28°
72m	30m



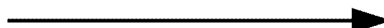
442

SL4DB	F 10°
72m	36m



443

SL4DB	F 14°
72m	36m



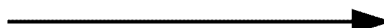
444

SL4DB	F 26°
72m	36m



445

SL4DB	F 11°
78m	12m



446



SL4DB 78m	F 16° 12m	→	448
SL4DB 78m	F 31° 12m	→	450
SL4DB 78m	F 13° 18m	→	452
SL4DB 78m	F 18° 18m	→	454
SL4DB 78m	F 32° 18m	→	456
SL4DB 78m	F 13° 24m	→	458
SL4DB 78m	F 18° 24m	→	460



SL4DB 78m	F 30° 24m	→	462
SL4DB 78m	F 12° 30m	→	464
SL4DB 78m	F 16° 30m	→	465
SL4DB 78m	F 28° 30m	→	466
SL4DB 78m	F 10° 36m	→	467
SL4DB 78m	F 14° 36m	→	468
SL4DB 78m	F 26° 36m	→	469



SL4DB 84m	F 11° 12m	→	470
SL4DB 84m	F 16° 12m	→	473
SL4DB 84m	F 31° 12m	→	476
SL4DB 84m	F 13° 18m	→	478
SL4DB 84m	F 18° 18m	→	480
SL4DB 84m	F 32° 18m	→	482
SL4DB 84m	F 13° 24m	→	484



SL4DB 84m	F 18° 24m	→	486
SL4DB 84m	F 30° 24m	→	488
SL4DB 84m	F 12° 30m	→	490
SL4DB 84m	F 16° 30m	→	492
SL4DB 84m	F 28° 30m	→	494
SL4DB 84m	F 10° 36m	→	495
SL4DB 84m	F 14° 36m	→	496



SL4DB 84m	F 26° 36m	→	497
SL4DB 90m	F 11° 12m	→	498
SL4DB 90m	F 16° 12m	→	501
SL4DB 90m	F 31° 12m	→	504
SL4DB 90m	F 13° 18m	→	507
SL4DB 90m	F 18° 18m	→	509
SL4DB 90m	F 32° 18m	→	511



SL4DB 90m	F 13° 24m	→	513
SL4DB 90m	F 18° 24m	→	515
SL4DB 90m	F 30° 24m	→	517
SL4DB 90m	F 12° 30m	→	519
SL4DB 90m	F 16° 30m	→	521
SL4DB 90m	F 28° 30m	→	523
SL4DB 90m	F 10° 36m	→	524



SL4DB 90m	F 14° 36m	→	525
SL4DB 90m	F 26° 36m	→	526
SL4DB 96m	F 11° 12m	→	527
SL4DB 96m	F 16° 12m	→	530
SL4DB 96m	F 31° 12m	→	533
SL4DB 96m	F 13° 18m	→	536
SL4DB 96m	F 18° 18m	→	539



SL4DB 96m	F 32° 18m	→	541
SL4DB 96m	F 13° 24m	→	543
SL4DB 96m	F 18° 24m	→	545
SL4DB 96m	F 30° 24m	→	547
SL4DB 96m	F 12° 30m	→	549
SL4DB 96m	F 16° 30m	→	551
SL4DB 96m	F 28° 30m	→	553



SL4DB 96m	F 10° 36m	→	555
SL4DB 96m	F 14° 36m	→	556
SL4DB 96m	F 26° 36m	→	557
SL4DB 102m	F 11° 12m	→	558
SL4DB 102m	F 16° 12m	→	561
SL4DB 102m	F 31° 12m	→	564
SL4DB 102m	F 13° 18m	→	567



SL4DB 102m	F 18° 18m	→	570
SL4DB 102m	F 32° 18m	→	573
SL4DB 102m	F 13° 24m	→	576
SL4DB 102m	F 18° 24m	→	578
SL4DB 102m	F 30° 24m	→	580
SL4DB 102m	F 12° 30m	→	582
SL4DB 102m	F 16° 30m	→	584



SL4DB 102m	F 28° 30m	→	586
SL4DB 102m	F 10° 36m	→	588
SL4DB 102m	F 14° 36m	→	589
SL4DB 102m	F 26° 36m	→	590
SL4DB 108m	F 11° 12m	→	591
SL4DB 108m	F 16° 12m	→	594
SL4DB 108m	F 31° 12m	→	597



SL4DB 108m	F 13° 18m	→	600
SL4DB 108m	F 18° 18m	→	603
SL4DB 108m	F 32° 18m	→	606
SL4DB 108m	F 13° 24m	→	609
SL4DB 108m	F 18° 24m	→	612
SL4DB 108m	F 30° 24m	→	615
SL4DB 108m	F 12° 30m	→	618



SL4DB	F 16°
108m	30m



620

SL4DB	F 28°
108m	30m



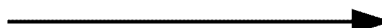
622

SL4DB	F 10°
108m	36m



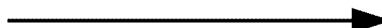
624

SL4DB	F 14°
108m	36m



626

SL4DB	F 26°
108m	36m



627

SL4DB	F 11°
114m	12m



628

SL4DB	F 16°
114m	12m



631



SL4DB 114m	F 31° 12m	→	634
SL4DB 114m	F 13° 18m	→	637
SL4DB 114m	F 18° 18m	→	640
SL4DB 114m	F 32° 18m	→	643
SL4DB 114m	F 13° 24m	→	646
SL4DB 114m	F 18° 24m	→	649
SL4DB 114m	F 30° 24m	→	652



SL4DB 114m	F 12° 30m	→	655
SL4DB 114m	F 16° 30m	→	658
SL4DB 114m	F 28° 30m	→	660
SL4DB 114m	F 10° 36m	→	662
SL4DB 114m	F 14° 36m	→	664
SL4DB 114m	F 26° 36m	→	666
SL4DB 120m	F 11° 12m	→	667



SL4DB 120m	F 16° 12m	→	670
SL4DB 120m	F 31° 12m	→	673
SL4DB 120m	F 13° 18m	→	676
SL4DB 120m	F 18° 18m	→	679
SL4DB 120m	F 32° 18m	→	682
SL4DB 120m	F 13° 24m	→	685
SL4DB 120m	F 18° 24m	→	688

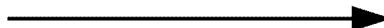


SL4DB 120m	F 30° 24m
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691

SL4DB 120m	F 12° 30m
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694

SL4DB 120m	F 16° 30m
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697

SL4DB 120m	F 28° 30m
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700

SL4DB 120m	F 10° 36m
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702

SL4DB 120m	F 14° 36m
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704

SL4DB 120m	F 26° 36m
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706



SL4DB 126m	F 11° 12m	→	707
SL4DB 126m	F 16° 12m	→	710
SL4DB 126m	F 31° 12m	→	713
SL4DB 126m	F 13° 18m	→	716
SL4DB 126m	F 18° 18m	→	719
SL4DB 126m	F 32° 18m	→	722
SL4DB 126m	F 13° 24m	→	725



SL4DB 126m	F 18° 24m	→	728
SL4DB 126m	F 30° 24m	→	731
SL4DB 126m	F 12° 30m	→	734
SL4DB 126m	F 16° 30m	→	737
SL4DB 126m	F 28° 30m	→	740
SL4DB 126m	F 10° 36m	→	742
SL4DB 126m	F 14° 36m	→	744



SL4DB 126m	F 26° 36m	→	746
SL4DB 132m	F 11° 12m	→	747
SL4DB 132m	F 16° 12m	→	750
SL4DB 132m	F 31° 12m	→	753
SL4DB 132m	F 13° 18m	→	756
SL4DB 132m	F 18° 18m	→	759
SL4DB 132m	F 32° 18m	→	762



SL4DB	F 13°
132m	24m



765

SL4DB	F 12°
132m	30m



768

SL4DB	F 10°
132m	36m



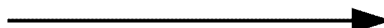
771

SL4DB	F 11°
138m	12m



773

SL4DB	F 13°
138m	18m



776

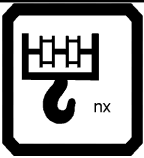
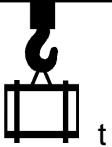
SL4DB	F 13°
138m	24m



779



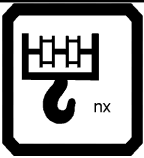
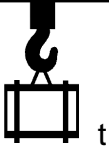
typ1: D=28.0 mm

	
1	18,1
2	35,9
3	53,4
4	70,7
5	87,7
6	104,5
7	121,0
8	137,2
9	153,2
10	169,0
11	184,5
12	199,9
13	214,9
14	229,8
15	244,4
16	258,8
17	273,0
18	287,0
19	300,8
20	314,3
21	327,7
22	340,8
23	353,8
24	366,6
25	379,1
26	391,5
27	403,7
28	415,7
29	427,6
30	439,2
31	450,7
32	462,0
33	473,2
34	484,2
35	495,0
36	505,6
37	516,1
38	526,4
39	536,6
40	546,6

41	556,5
42	566,2
43	575,8
44	585,2
45	594,5
46	603,7
47	612,7
48	621,6
49	630,3
50	639,0



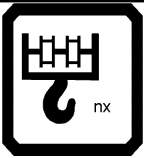
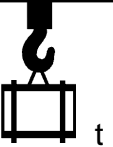
typ2: D=25.0 mm

	
1	12,6
2	24,9
3	37,1
4	49,1
5	60,9
6	72,5
7	84,0
8	95,3
9	106,4
10	117,4
11	128,2
12	138,8
13	149,3
14	159,6
15	169,7
16	179,7
17	189,6
18	199,3
19	208,9
20	218,3
21	227,5
22	236,7
23	245,7
24	254,6
25	263,3
26	271,9
27	280,4
28	288,7
29	296,9
30	305,0
31	313,0
32	320,9
33	328,6
34	336,2
35	343,7
36	351,1
37	358,4
38	365,6
39	372,6
40	379,6

41	386,5
42	393,2
43	399,9
44	406,4
45	412,9
46	419,2
47	425,5
48	431,7
49	437,7
50	443,7






typ3: D=28.0 mm

	
1	16,1
2	31,9
3	47,5
4	62,8
5	78,0
6	92,8
7	107,5
8	122,0
9	136,2
10	150,2
11	164,0
12	177,6
13	191,0
14	204,2
15	217,2
16	230,1
17	242,7
18	255,1
19	267,3
20	279,4
21	291,3
22	303,0
23	314,5
24	325,8
25	337,0
26	348,0
27	358,9






22.00

	SA 10.5m	-- (SA)	 t	 t	 360°		
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074548

*** 201

22.01

	m	 $m > < t$												
		72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0
14,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0
16,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0
18,0	121,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	125,0	137,0	137,0	137,0	137,0
20,0	107,0	134,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	110,0	137,0	137,0	137,0	137,0
22,0	96,0	120,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	98,0	130,0	137,0	137,0	137,0
24,0	86,0	109,0	131,0	134,0	134,0	134,0	134,0	134,0	134,0	88,0	117,0	134,0	134,0	134,0
26,0	77,0	98,0	120,0	129,0	129,0	129,0	129,0	129,0	129,0	79,0	106,0	129,0	129,0	129,0
28,0	70,0	90,0	110,0	123,0	123,0	123,0	123,0	123,0	123,0	72,0	97,0	122,0	122,0	122,0
30,0	63,0	82,0	101,0	117,0	117,0	117,0	117,0	117,0	117,0	65,0	89,0	112,0	116,0	116,0
32,0	58,0	75,0	93,0	110,0	110,0	110,0	110,0	110,0	110,0	60,0	82,0	104,0	110,0	110,0
34,0	53,0	69,0	86,0	102,0	106,0	106,0	106,0	106,0	106,0	54,0	75,0	96,0	106,0	106,0
36,0	48,0	64,0	80,0	95,0	101,0	101,0	101,0	101,0	101,0	50,0	70,0	90,0	101,0	101,0
38,0	44,0	59,0	74,0	89,0	97,0	97,0	97,0	97,0	97,0	45,5	65,0	83,0	97,0	97,0
40,0	40,5	55,0	69,0	83,0	93,0	93,0	93,0	93,0	93,0	42,0	60,0	78,0	93,0	93,0
44,0	34,0	47,0	60,0	73,0	85,0	86,0	86,0	86,0	86,0	35,5	52,0	68,0	85,0	86,0
48,0	28,7	40,5	53,0	65,0	77,0	80,0	80,0	80,0	80,0	30,0	45,0	60,0	75,0	80,0
52,0	24,2	35,5	46,5	58,0	69,0	75,0	75,0	75,0	75,0	25,2	39,5	53,0	67,0	75,0
56,0	20,0	30,5	41,0	51,0	62,0	69,0	71,0	71,0	71,0	20,9	34,5	47,0	60,0	71,0
60,0	16,4	26,6	36,5	46,0	56,0	63,0	67,0	67,0	67,0	17,3	29,7	42,0	53,0	65,0
64,0	13,3	23,0	32,5	41,5	51,0	58,0	63,0	64,0	64,0	14,1	25,8	37,0	48,0	59,0
68,0	10,6	19,6	28,7	37,5	45,5	52,0	59,0	61,0	61,0	11,4	22,3	33,0	43,5	54,0
72,0	8,2	16,7	25,2	33,5	41,0	47,5	54,0	58,0	58,0	8,9	19,2	29,5	39,5	49,0
76,0	6,1	14,1	22,2	30,0	37,0	43,0	49,5	55,0	55,0	6,8	16,5	26,2	36,0	45,0
* n *	8	8	8	8	8	8	8	8	8	8	8	8	8	8
yy	10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0	13,0	13,0	13,0	13,0	13,0
zz	0,0	50,0	100,0	150,0	200,0	250,0	300,0	350,0	350,0	0,0	50,0	100,0	150,0	200,0
	m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 11°

72m

12m

150

t


65

t






yy m



22.01

	SL2DB 72m	F 11° 12m	 t	 t	 zz t yy m		
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22.01

	SL2DB 72m	F 16° 12m					
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22.01

	SL2DB 72m	F 16° 12m	 t	 t	 zz t yy m		
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22.01

	SL2DB 72m	F 31° 12m					
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22.01

	SL2DB 72m	F 31° 12m					
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22.01

	SL2DB 72m	F 13° 18m					
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22.01

	SL2DB 72m	F 13° 18m					
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22.01

	SL2DB 72m	F 18° 18m					
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22.01

	SL2DB 72m	F 18° 18m					
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22.01

	SL2DB 72m	F 32° 18m	 t	 t	 t		
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22.01

	SL2DB 72m	F 32° 18m					
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22.01

	SL2DB 72m	F 13° 24m					
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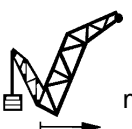


22.01

	SL2DB 72m	F 13° 24m					
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074548

*** 201

22.01

 m	 m > < t													
	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0
20,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0
22,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0	65,0	65,0	65,0	65,0
24,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0
26,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0
28,0	56,0	56,0	56,0	56,0	56,0	56,0	56,0	56,0	56,0	56,0	56,0	56,0	56,0	56,0
30,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0
32,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0
34,0	49,0	49,5	49,5	49,5	49,5	49,0	49,5	49,5	49,5	49,5	49,5	49,5	49,5	49,5
36,0	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5
38,0	46,0	46,0	46,0	46,0	46,0	46,0	46,0	46,0	46,0	46,0	46,0	46,0	46,0	46,0
40,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0
44,0	38,5	41,0	41,0	41,0	41,0	39,5	41,0	41,0	41,0	40,5	41,0	41,0	41,0	41,0
48,0	33,0	38,5	38,5	38,5	38,5	34,0	38,5	38,5	38,5	35,0	38,5	38,5	38,5	36,0
52,0	28,2	36,5	36,5	36,5	36,5	29,4	36,5	36,5	36,5	30,0	36,5	36,5	36,5	31,5
56,0	24,2	34,5	34,5	34,5	34,5	25,3	34,5	34,5	34,5	26,0	34,5	34,5	34,5	26,9
60,0	20,7	30,0	32,5	32,5	32,5	21,5	32,5	32,5	32,5	22,1	32,5	32,5	32,5	22,9
64,0	17,4	26,6	31,0	31,0	31,0	18,2	29,8	31,0	31,0	18,7	31,0	31,0	31,0	19,5
68,0	14,5	23,3	29,8	29,8	29,8	15,2	26,1	29,8	29,8	15,7	27,9	29,8	29,8	16,4
72,0	11,9	20,4	28,4	28,4	28,4	12,6	22,9	28,4	28,4	13,1	24,5	28,4	28,4	13,7
76,0	9,6	17,6	25,5	27,4	27,4	10,3	19,9	27,4	27,4	10,7	21,5	27,4	27,4	11,3
80,0	7,5	15,1	22,7	26,3	26,3	8,2	17,3	26,3	26,3	8,6	18,8	26,3	26,3	9,2
84,0	5,7	12,9	20,1	25,5	25,5	6,2	15,0	23,7	25,5	6,6	16,3	25,5	25,5	7,2
88,0		10,8	17,6	24,5	24,8		12,8	21,1	24,8		14,1	23,4	24,8	5,4
* n *	4	4	4	4	4	4	4	4	4	4	4	4	4	4
yy	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	15.0	15.0	15.0	15.0	18.0
zz	0.0	50.0	100.0	150.0	200.0	0.0	50.0	100.0	150.0	0.0	50.0	100.0	150.0	0.0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 18°

72m

24m

150

t

65

t




22.01

	SL2DB 72m	F 18° 24m	150 t	65 t	zz t yy m		
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22.01

	SL2DB 72m	F 30° 24m					
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22.01

	SL2DB 72m	F 30° 24m					
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22.01

	SL2DB 72m	F 12° 30m					
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22.01

	SL2DB 72m	F 16° 30m					
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22.01

	SL2DB 72m	F 28° 30m					
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22.01

	SL2DB 72m	F 10° 36m					
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22.01

	SL2DB 72m	F 14° 36m					
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

22.01

	SL2DB 72m	F 26° 36m					
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074548

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22.01

	m	 $m > < t$												
		78,0	78,0	78,0	78,0	78,0	78,0	78,0	78,0	78,0	78,0	78,0	78,0	78,0
14,0			137,0	137,0	137,0	137,0	137,0	137,0	137,0		137,0	137,0	137,0	137,0
16,0	133,0		137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0
18,0	117,0		137,0	137,0	137,0	137,0	137,0	137,0	137,0	120,0	137,0	137,0	137,0	137,0
20,0	103,0		130,0	137,0	137,0	137,0	137,0	137,0	137,0	106,0	137,0	137,0	137,0	137,0
22,0	92,0		116,0	137,0	137,0	137,0	137,0	137,0	137,0	95,0	125,0	137,0	137,0	137,0
24,0	82,0		105,0	127,0	135,0	135,0	135,0	135,0	135,0	85,0	113,0	135,0	135,0	135,0
26,0	74,0		95,0	116,0	131,0	131,0	131,0	131,0	131,0	76,0	103,0	129,0	131,0	131,0
28,0	67,0		86,0	106,0	126,0	126,0	126,0	126,0	126,0	69,0	94,0	118,0	126,0	126,0
30,0	61,0		79,0	97,0	116,0	120,0	120,0	120,0	120,0	63,0	86,0	109,0	120,0	120,0
32,0	55,0		72,0	90,0	107,0	115,0	115,0	115,0	115,0	57,0	79,0	101,0	115,0	115,0
34,0	50,0		66,0	83,0	99,0	110,0	110,0	110,0	110,0	52,0	72,0	93,0	110,0	110,0
36,0	45,5		61,0	77,0	92,0	105,0	105,0	105,0	105,0	47,5	67,0	86,0	105,0	105,0
38,0	41,5		56,0	71,0	86,0	100,0	101,0	101,0	101,0	43,0	62,0	80,0	99,0	101,0
40,0	38,0		52,0	66,0	80,0	94,0	97,0	97,0	97,0	39,5	57,0	75,0	93,0	97,0
44,0	31,5		44,5	58,0	70,0	83,0	90,0	90,0	90,0	33,0	49,5	66,0	82,0	90,0
48,0	26,5		38,5	50,0	62,0	74,0	83,0	84,0	84,0	27,7	42,5	58,0	73,0	84,0
52,0	22,0		33,0	44,0	55,0	66,0	76,0	79,0	79,0	23,1	37,0	51,0	65,0	78,0
56,0	18,1		28,4	38,5	49,0	59,0	69,0	74,0	75,0	19,2	32,0	45,0	58,0	71,0
60,0	14,7		24,4	34,0	43,5	53,0	62,0	68,0	71,0	15,7	27,9	40,0	52,0	64,0
64,0	11,8		20,9	30,0	39,0	48,0	56,0	63,0	67,0	12,7	24,2	35,5	47,0	58,0
68,0	9,1		17,8	26,4	35,0	43,5	51,0	58,0	63,0	9,9	20,8	31,5	42,5	52,0
72,0	6,7		15,0	23,2	31,5	39,5	46,0	52,0	58,0	7,4	17,7	28,0	38,0	47,5
76,0			12,6	20,3	28,1	35,5	41,5	47,5	54,0	5,3	15,0	24,6	34,5	43,0
80,0			10,3	17,8	25,2	32,0	37,5	43,5	49,0		12,5	21,7	31,0	39,5
* n *		8	8	8	8	8	8	8	8	8	8	8	8	8
yy		10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0	13,0	13,0	13,0	13,0	13,0
zz		0,0	50,0	100,0	150,0	200,0	250,0	300,0	350,0	0,0	50,0	100,0	150,0	200,0
	m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 11°

78m

12m

150

t

65

t

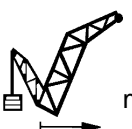



yy m

074548

*** 201

22.01

	m	m > < t													CODE > 1361 < B181 2610.x(x)	
		78,0	78,0	78,0	78,0	78,0	78,0	78,0	78,0	78,0	78,0	78,0	78,0	78,0	78,0	78,0
14,0	137,0	137,0		137,0	137,0	137,0	137,0	137,0	137,0	137,0		137,0	137,0	137,0	137,0	137,0
16,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0
18,0	137,0	137,0	122,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	126,0	137,0	137,0	137,0	137,0	137,0
20,0	137,0	137,0	108,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	111,0	137,0	137,0	137,0	137,0	137,0
22,0	137,0	137,0	96,0	131,0	137,0	137,0	137,0	137,0	137,0	137,0	99,0	137,0	137,0	137,0	137,0	137,0
24,0	135,0	135,0	86,0	119,0	135,0	135,0	135,0	135,0	135,0	135,0	89,0	127,0	134,0	134,0	134,0	134,0
26,0	131,0	131,0	78,0	108,0	131,0	131,0	131,0	131,0	131,0	131,0	80,0	116,0	131,0	131,0	131,0	131,0
28,0	126,0	126,0	70,0	99,0	126,0	126,0	126,0	126,0	126,0	126,0	73,0	106,0	126,0	126,0	126,0	126,0
30,0	120,0	120,0	64,0	90,0	117,0	120,0	120,0	120,0	120,0	120,0	66,0	97,0	120,0	120,0	120,0	120,0
32,0	115,0	115,0	58,0	83,0	108,0	115,0	115,0	115,0	115,0	115,0	60,0	89,0	115,0	115,0	115,0	115,0
34,0	110,0	110,0	53,0	77,0	100,0	110,0	110,0	110,0	110,0	110,0	55,0	83,0	110,0	110,0	110,0	110,0
36,0	105,0	105,0	48,5	71,0	93,0	105,0	105,0	105,0	105,0	105,0	50,0	77,0	103,0	105,0	105,0	105,0
38,0	101,0	101,0	44,5	66,0	87,0	101,0	101,0	101,0	101,0	101,0	46,0	71,0	96,0	101,0	101,0	101,0
40,0	97,0	97,0	40,5	61,0	81,0	97,0	97,0	97,0	97,0	97,0	42,0	66,0	90,0	97,0	97,0	97,0
44,0	90,0	90,0	34,0	53,0	71,0	89,0	90,0	90,0	90,0	90,0	35,5	57,0	79,0	90,0	90,0	90,0
48,0	84,0	84,0	28,5	45,5	63,0	80,0	84,0	84,0	84,0	84,0	29,8	50,0	69,0	84,0	84,0	84,0
52,0	79,0	79,0	23,9	39,5	56,0	71,0	79,0	79,0	79,0	79,0	25,0	43,5	61,0	79,0	79,0	79,0
56,0	75,0	75,0	19,9	34,5	49,0	63,0	74,0	75,0	75,0	75,0	20,9	38,0	54,0	71,0	75,0	75,0
60,0	71,0	71,0	16,4	30,5	43,5	57,0	69,0	71,0	71,0	71,0	17,2	33,5	48,5	64,0	71,0	71,0
64,0	67,0	67,0	13,2	26,2	39,0	51,0	63,0	67,0	67,0	67,0	14,0	28,9	43,5	58,0	67,0	67,0
68,0	64,0	64,0	10,4	22,5	34,5	46,5	58,0	64,0	64,0	64,0	11,1	25,1	39,0	52,0	64,0	64,0
72,0	61,0	61,0	7,9	19,3	31,0	42,0	53,0	61,0	61,0	61,0	8,6	21,8	35,0	47,5	60,0	60,0
76,0	58,0	59,0	5,7	16,5	27,3	38,0	48,0	58,0	59,0	59,0	6,3	18,8	31,5	43,5	55,0	55,0
80,0	54,0	57,0		14,0	24,2	34,5	44,5	53,0	57,0			16,2	28,0	39,5	51,0	51,0
* n *	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0	18,0	18,0
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	0,0	50,0	100,0	150,0	200,0	200,0	200,0
	m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 11°

78m

12m

150

t

65

t



 zz t
 yy m


22.01

Diagram illustrating a crane system. A table with two columns is shown. The left column contains the text "SL2DB" and "78m". The right column contains the text "F 11°" and "12m". To the right of the table are three icons: a crane hook labeled "150" and "t", a crane hook labeled "65" and "t", and a crane hook labeled "zz t" and "yy m".

22.01

	SL2DB 78m	F 16° 12m	 t	 t	 zz t yy m		
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22.01

	SL2DB 78m	F 16° 12m	 t	 t	 zz t yy m		
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22.01

	SL2DB 78m	F 31° 12m					
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22.01

	SL2DB 78m	F 31° 12m					
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22.01

	SL2DB 78m	F 13° 18m					
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22.01

	SL2DB 78m	F 13° 18m					
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22.01

	SL2DB 78m	F 18° 18m					
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22.01

	SL2DB 78m	F 18° 18m					
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22.01

	SL2DB 78m	F 32° 18m					
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22.01

	SL2DB 78m	F 32° 18m					
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22.01

	SL2DB 78m	F 13° 24m	 t	 t	 zz t yy m		
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22.01




The diagram shows a crane system with the following components and labels:

- SL2DB**: Label for the first component (leftmost).
- F 13°**: Label for the second component.
- 78m**: Label for the third component.
- 24m**: Label for the fourth component.
- 150**: Label for the fifth component.
- 65**: Label for the sixth component.
- zz t**: Label for the seventh component.
- yy m**: Label for the eighth component.

22.01

	SL2DB 78m	F 18° 24m					
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22.01

	SL2DB 78m	F 18° 24m					
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22.01

	SL2DB 78m	F 30° 24m					
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
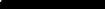
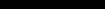
22.01

	SL2DB 78m	F 30° 24m					
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22.01

	SL2DB 78m	F 12° 30m					
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22.01

	SL2DB 78m	F 12° 30m					
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22.01

	SL2DB 78m	F 16° 30m					
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22.01

	SL2DB 78m	F 28° 30m	 t	 t	 zz t yy m		
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22.01

	SL2DB 78m	F 10° 36m					
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22.01

	SL2DB 78m	F 14° 36m					
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22.01

	SL2DB 78m	F 26° 36m					
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22.01

	SL2DB 84m	F 11° 12m					
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22.01

	SL2DB 84m	F 11° 12m	 t	 t	 zz t yy m		
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22.01

	SL2DB 84m	F 11° 12m					
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22.01

	SL2DB 84m	F 16° 12m					
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22.01

	SL2DB 84m	F 16° 12m					
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22.01

	SL2DB 84m	F 16° 12m					
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22.01

	SL2DB 84m	F 31° 12m					
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22.01

	SL2DB 84m	F 31° 12m	 t	 t	 zz t yy m		
--	--------------	--------------	--	--	--	--	--

22.01

	SL2DB 84m	F 13° 18m					
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

22.01

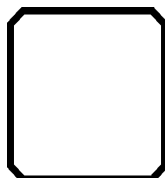
	SL2DB 84m	F 13° 18m					
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074548

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22.01

 m	 m > < t														CODE > 1380 < B181 2716.x(x)	
	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0		
20,0	86,0	86,0	86,0	86,0	86,0	86,0	86,0	86,0	86,0	86,0	86,0	86,0	86,0	86,0	86,0	86,0
22,0	82,0	82,0	82,0	82,0	82,0	82,0	82,0	82,0	82,0	82,0	82,0	82,0	82,0	82,0	82,0	82,0
24,0	79,0	79,0	79,0	79,0	79,0	79,0	79,0	79,0	79,0	79,0	79,0	79,0	79,0	79,0	79,0	79,0
26,0	75,0	75,0	75,0	75,0	75,0	75,0	75,0	75,0	75,0	75,0	75,0	75,0	75,0	75,0	75,0	75,0
28,0	68,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	70,0	72,0	72,0	72,0	72,0	72,0	72,0
30,0	61,0	70,0	70,0	70,0	70,0	70,0	70,0	70,0	70,0	63,0	70,0	70,0	70,0	70,0	70,0	70,0
32,0	56,0	67,0	67,0	67,0	67,0	67,0	67,0	67,0	67,0	58,0	67,0	67,0	67,0	67,0	67,0	67,0
34,0	51,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	53,0	65,0	65,0	65,0	65,0	65,0	65,0
36,0	46,5	62,0	63,0	63,0	63,0	63,0	63,0	63,0	63,0	48,0	63,0	63,0	63,0	63,0	63,0	63,0
38,0	42,5	57,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	44,0	61,0	61,0	61,0	61,0	61,0	61,0
40,0	39,0	53,0	59,0	59,0	59,0	59,0	59,0	59,0	59,0	40,5	58,0	59,0	59,0	59,0	59,0	59,0
44,0	32,5	45,5	55,0	55,0	55,0	55,0	55,0	55,0	55,0	34,0	50,0	55,0	55,0	55,0	55,0	55,0
48,0	27,3	39,0	51,0	52,0	52,0	52,0	52,0	52,0	52,0	28,6	43,5	52,0	52,0	52,0	52,0	52,0
52,0	22,8	33,5	44,5	49,5	49,5	49,5	49,5	49,5	49,5	23,9	37,5	49,0	49,5	49,5	49,5	49,5
56,0	18,8	28,9	39,0	47,0	47,0	47,0	47,0	47,0	47,0	19,9	32,5	45,5	47,0	47,0	47,0	47,0
60,0	15,4	24,9	34,5	44,0	45,0	45,0	45,0	45,0	45,0	16,4	28,4	40,5	45,0	45,0	45,0	45,0
64,0	12,3	21,3	30,0	39,0	43,0	43,0	43,0	43,0	43,0	13,3	24,6	36,0	43,0	43,0	43,0	43,0
68,0	9,6	18,1	26,5	35,0	40,5	41,5	41,5	41,5	41,5	10,5	21,2	32,0	40,5	41,5	41,5	41,5
72,0	7,2	15,2	23,3	31,5	38,5	39,5	39,5	39,5	39,5	8,1	18,2	28,3	38,5	39,5	39,5	39,5
76,0	5,1	12,7	20,3	28,0	35,5	38,0	38,5	38,5	38,5	5,8	15,5	25,1	34,5	38,5	38,5	38,5
80,0		10,4	17,7	24,9	32,0	36,0	37,0	37,0	37,0		13,0	22,2	31,5	37,0	37,0	37,0
84,0		8,3	15,3	22,2	29,0	34,0	36,0	36,0	36,0		10,8	19,6	28,4	36,0	36,0	36,0
88,0		6,4	13,1	19,8	26,0	31,5	35,0	35,0	35,0		8,8	17,2	25,5	33,0	35,0	35,0
92,0			11,1	17,5	23,3	28,5	33,0	34,5	34,5		6,9	14,9	22,8	29,8	34,5	34,5
* n *	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	250.0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

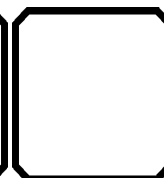
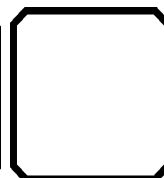
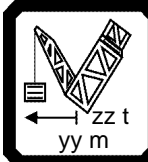
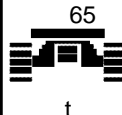
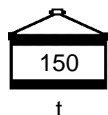


SL2DB

84m

F 18°

18m





22.01

	SL2DB 84m	F 18° 18m					
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22.01

	SL2DB 84m	F 32° 18m					
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22.01

	SL2DB 84m	F 32° 18m					
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22.01

	SL2DB 84m	F 13° 24m					
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22.01

	SL2DB 84m	F 13° 24m					
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22.01

	SL2DB 84m	F 18° 24m					
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22.01

	SL2DB 84m	F 18° 24m					
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22.01

	SL2DB 84m	F 30° 24m					
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22.01

	SL2DB 84m	F 30° 24m					
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074548

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22.01

	m	m > < t													CODE > 1385 < B181 2713.x(x)
		84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	
22,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0
24,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0
26,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0
28,0	55,0	55,0	55,0	55,0	55,0	55,0	55,0	55,0	55,0	55,0	55,0	55,0	55,0	55,0	55,0
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32,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0
34,0	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5
36,0	45,5	45,5	45,5	45,5	45,5	45,5	45,5	45,5	45,5	45,5	45,5	45,5	45,5	45,5	45,5
38,0	42,5	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0
40,0	39,0	42,0	42,0	42,0	42,0	42,0	40,5	42,0	42,0	42,0	41,5	42,0	42,0	42,0	42,0
44,0	33,0	39,0	39,0	39,0	39,0	39,0	34,5	39,0	39,0	39,0	35,5	39,0	39,0	39,0	36,5
48,0	27,9	36,0	36,0	36,0	36,0	36,0	29,1	36,0	36,0	36,0	30,0	36,0	36,0	36,0	31,0
52,0	23,5	34,0	34,0	34,0	34,0	34,0	24,6	34,0	34,0	34,0	25,4	34,0	34,0	34,0	26,5
56,0	19,7	29,6	31,5	31,5	31,5	31,5	20,7	31,5	31,5	31,5	21,4	31,5	31,5	31,5	22,5
60,0	16,3	25,6	29,8	29,8	29,8	29,8	17,3	29,1	29,8	29,8	18,0	29,8	29,8	29,8	18,9
64,0	13,4	22,2	28,2	28,2	28,2	28,2	14,3	25,4	28,2	28,2	14,9	27,6	28,2	28,2	15,8
68,0	10,7	19,1	26,5	26,5	26,5	26,5	11,6	22,1	26,5	26,5	12,2	24,2	26,5	26,5	13,1
72,0	8,4	16,3	24,2	25,1	25,1	25,1	9,2	19,2	25,1	25,1	9,8	21,1	25,1	25,1	10,6
76,0	6,3	13,8	21,3	24,0	24,0	24,0	7,1	16,5	24,0	24,0	7,6	18,4	24,0	24,0	8,3
80,0		11,5	18,7	22,9	22,9	22,9	5,1	14,2	22,9	22,9	5,6	15,9	22,9	22,9	6,3
84,0		9,5	16,4	21,7	21,8	21,8		12,0	20,7	21,8		13,7	21,8	21,8	
88,0		7,6	14,2	20,3	21,0	21,0		10,0	18,3	21,0		11,6	20,7	21,0	
92,0		5,9	12,3	18,6	20,2	20,2		8,2	16,2	20,2		9,8	18,8	20,2	
96,0			10,5	16,5	19,4	19,4		6,6	14,3	19,4		8,1	16,6	19,4	
100,0			8,8	14,7	18,8	18,8		5,1	12,5	18,8		6,5	14,6	18,8	
* n *	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
yy	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	15.0	15.0	15.0	15.0	18.0	
zz	0.0	50.0	100.0	150.0	200.0	0.0	50.0	100.0	150.0	0.0	50.0	100.0	150.0	0.0	
	m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 12°

84m

30m

150



t

65

t



22.01

	SL2DB 84m	F 12° 30m					
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22.01

	SL2DB 84m	F 16° 30m					
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22.01

	SL2DB 84m	F 16° 30m					
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22.01

	SL2DB 84m	F 28° 30m					
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22.01

	SL2DB 84m	F 10° 36m					
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22.01

	SL2DB 84m	F 14° 36m					
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22.01

	SL2DB 84m	F 26° 36m					
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22.01

	SL2DB 90m	F 11° 12m					
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22.01

	SL2DB 90m	F 11° 12m	 t	 t	 zz t yy m		
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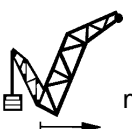


22.01

	SL2DB 90m	F 11° 12m	 t	 t	 zz t yy m		
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074548

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22.01

 m	 m < t													
	90,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0
CODE > 1392 < B181 2815.x(x)														
18,0	108,0	127,0	127,0	127,0	127,0	127,0	127,0	127,0	127,0	111,0	124,0	124,0	124,0	124,0
20,0	96,0	121,0	124,0	124,0	124,0	124,0	124,0	124,0	124,0	98,0	120,0	120,0	120,0	120,0
22,0	85,0	108,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	87,0	116,0	116,0	116,0	116,0
24,0	76,0	98,0	117,0	117,0	117,0	117,0	117,0	117,0	117,0	78,0	106,0	112,0	112,0	112,0
26,0	68,0	88,0	108,0	113,0	113,0	113,0	113,0	113,0	113,0	70,0	96,0	108,0	108,0	108,0
28,0	61,0	80,0	99,0	108,0	108,0	108,0	108,0	108,0	108,0	63,0	87,0	105,0	105,0	105,0
30,0	55,0	73,0	91,0	103,0	103,0	103,0	103,0	103,0	103,0	57,0	79,0	101,0	101,0	101,0
32,0	49,5	66,0	83,0	99,0	100,0	100,0	100,0	100,0	100,0	51,0	73,0	94,0	98,0	98,0
34,0	45,0	61,0	77,0	93,0	97,0	97,0	97,0	97,0	97,0	46,5	67,0	87,0	95,0	95,0
36,0	40,5	56,0	71,0	86,0	94,0	94,0	94,0	94,0	94,0	42,0	61,0	80,0	92,0	92,0
38,0	36,5	51,0	66,0	80,0	90,0	90,0	90,0	90,0	90,0	38,0	56,0	75,0	89,0	89,0
40,0	33,0	47,0	61,0	75,0	87,0	87,0	87,0	87,0	87,0	34,5	52,0	69,0	86,0	86,0
44,0	27,1	39,5	52,0	65,0	78,0	82,0	82,0	82,0	82,0	28,4	44,5	60,0	76,0	81,0
48,0	22,0	33,5	45,5	57,0	69,0	78,0	78,0	78,0	78,0	23,2	38,0	53,0	67,0	77,0
52,0	17,6	28,4	39,0	50,0	61,0	72,0	73,0	73,0	73,0	18,7	32,5	46,0	60,0	71,0
56,0	13,8	23,9	34,0	44,0	54,0	64,0	69,0	70,0	70,0	14,8	27,6	40,5	53,0	66,0
60,0	10,5	20,0	29,4	39,0	48,5	58,0	65,0	67,0	67,0	11,5	23,4	35,5	47,5	59,0
64,0	7,6	16,5	25,5	34,5	43,5	52,0	60,0	63,0	63,0	8,5	19,8	31,0	42,5	54,0
68,0	5,0	13,5	21,9	30,5	39,0	47,5	55,0	59,0	59,0	5,9	16,6	27,2	38,0	48,5
72,0		10,8	18,8	26,8	35,0	42,5	49,0	55,0	55,0		13,7	23,8	34,0	44,0
76,0		8,3	16,0	23,6	31,0	38,5	44,5	50,0	50,0		11,1	20,8	30,5	40,0
80,0		6,2	13,5	20,7	28,0	34,5	40,5	46,0	46,0		8,8	18,0	27,2	36,0
84,0			11,2	18,2	25,1	31,0	36,5	42,0	42,0		6,8	15,6	24,4	32,5
88,0			9,2	15,9	22,2	27,6	33,0	38,5	38,5			13,4	21,8	29,2
92,0			7,4	13,8	19,6	24,8	29,9	35,0	35,0			11,4	19,5	26,3
* n *	7	8	8	8	8	8	8	8	8	7	8	8	8	8
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	350.0	0.0	50.0	100.0	150.0	200.0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 16°

90m

12m

150

t

65


t



22.01

	SL2DB 90m	F 16° 12m	 t	 t	 zz t yy m		
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22.01

	SL2DB 90m	F 16° 12m					
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22.01

	SL2DB 90m	F 31° 12m					
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22.01

	SL2DB 90m	F 31° 12m					
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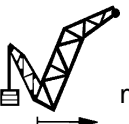


22.01

	SL2DB 90m	F 31° 12m					
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074548

*** 201

22.01

 m	 m > < t														CODE > 1394 < B181 2811 .x(x)	
	90,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0
18,0	101,0	101,0	101,0	101,0	101,0	101,0	101,0	101,0	101,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
20,0	95,0	98,0	98,0	98,0	98,0	98,0	98,0	98,0	98,0	97,0	97,0	97,0	97,0	97,0	97,0	97,0
22,0	85,0	95,0	95,0	95,0	95,0	95,0	95,0	95,0	95,0	87,0	93,0	93,0	93,0	93,0	93,0	93,0
24,0	76,0	91,0	91,0	91,0	91,0	91,0	91,0	91,0	91,0	78,0	90,0	90,0	90,0	90,0	90,0	90,0
26,0	68,0	88,0	88,0	88,0	88,0	88,0	88,0	88,0	88,0	70,0	86,0	86,0	86,0	86,0	86,0	86,0
28,0	61,0	80,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	63,0	83,0	83,0	83,0	83,0	83,0	83,0
30,0	55,0	73,0	81,0	81,0	81,0	81,0	81,0	81,0	81,0	57,0	80,0	80,0	80,0	80,0	80,0	80,0
32,0	50,0	67,0	77,0	77,0	77,0	77,0	77,0	77,0	77,0	52,0	73,0	77,0	77,0	77,0	77,0	77,0
34,0	45,5	61,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	47,0	67,0	74,0	74,0	74,0	74,0	74,0
36,0	41,5	56,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	43,0	62,0	71,0	71,0	71,0	71,0	71,0
38,0	37,5	52,0	66,0	69,0	69,0	69,0	69,0	69,0	69,0	39,0	57,0	69,0	69,0	69,0	69,0	69,0
40,0	34,0	47,5	61,0	66,0	66,0	66,0	66,0	66,0	66,0	35,5	53,0	66,0	66,0	66,0	66,0	66,0
44,0	28,0	40,5	53,0	62,0	62,0	62,0	62,0	62,0	62,0	29,3	45,0	61,0	62,0	62,0	62,0	62,0
48,0	22,9	34,5	46,0	58,0	58,0	58,0	58,0	58,0	58,0	24,1	38,5	53,0	58,0	58,0	58,0	58,0
52,0	18,5	29,2	40,0	51,0	54,0	54,0	54,0	54,0	54,0	19,6	33,0	46,5	54,0	54,0	54,0	54,0
56,0	14,7	24,8	35,0	45,0	51,0	52,0	52,0	52,0	52,0	15,8	28,4	41,0	51,0	51,0	51,0	51,0
60,0	11,4	20,8	30,5	39,5	48,0	49,0	49,0	49,0	49,0	12,4	24,3	36,0	48,0	49,0	49,0	49,0
64,0	8,6	17,4	26,3	35,0	44,0	46,5	46,5	46,5	46,5	9,5	20,7	32,0	43,0	46,5	46,5	46,5
68,0	6,0	14,4	22,8	31,0	39,5	44,0	44,5	44,5	44,5	6,9	17,4	28,0	38,5	44,0	44,5	44,5
72,0		11,7	19,6	27,6	35,5	41,0	42,5	42,5	42,5		14,6	24,6	34,5	42,0	42,5	42,5
76,0		9,3	16,8	24,4	32,0	38,5	41,0	41,0	41,0		12,0	21,6	31,0	40,0	41,0	41,0
80,0		7,1	14,3	21,5	28,7	35,5	39,0	39,5	39,5		9,7	18,8	27,9	37,0	39,5	39,5
84,0		5,1	12,0	18,9	25,8	32,0	36,5	38,0	38,0		7,6	16,4	25,1	34,0	38,0	38,0
88,0			10,0	16,6	23,2	28,9	34,0	37,0	37,0		5,8	14,1	22,5	30,5	36,5	36,5
92,0			8,1	14,5	20,6	25,9	31,0	35,5	35,5			12,1	20,1	27,3	34,0	34,0
96,0			6,5	12,6	18,2	23,2	28,2	33,0	33,0			10,3	18,0	24,7	31,0	31,0
* n *	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
yy	10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0	13,0	13,0	13,0	13,0	13,0	13,0	13,0
zz	0,0	50,0	100,0	150,0	200,0	250,0	300,0	350,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	250,0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 13°

90m

18m

150

t




65

t



yy m

22.01

	SL2DB 90m	F 13° 18m					
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22.01

	SL2DB 90m	F 18° 18m					
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22.01

	SL2DB 90m	F 18° 18m					
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22.01

	SL2DB 90m	F 32° 18m					
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22.01

	SL2DB 90m	F 32° 18m					
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22.01

	SL2DB 90m	F 13° 24m					
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22.01

The diagram shows a crane system with the following components and labels:

- SL2DB**: Label for the first component (leftmost).
- F 13°**: Label for the second component.
- 90m**: Label for the third component.
- 24m**: Label for the fourth component.
- 150**: Label for the fifth component.
- 65**: Label for the sixth component.
- zz t**: Label for the seventh component.
- yy m**: Label for the eighth component.




22.01

	SL2DB 90m	F 18° 24m					
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22.01

	SL2DB 90m	F 18° 24m	 t	 t	 zz t yy m		
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22.01

	SL2DB 90m	F 30° 24m					
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22.01

	SL2DB 90m	F 30° 24m					
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22.01

	SL2DB 90m	F 12° 30m					
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

22.01

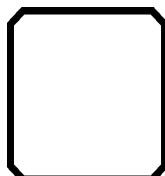
	SL2DB 90m	F 12° 30m					
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074548

*** 201

22.01

 m	 m > < t														CODE > 1401 < B181 2818.x(x)	
	90,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0
24,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0
26,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0	51,0	51,0	51,0	51,0
28,0	49,5	49,5	49,5	49,5	49,5	49,5	49,5	49,5	49,5	49,5	49,5	49,5	49,5	49,5	49,5	49,5
30,0	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5
32,0	45,5	45,5	45,5	45,5	45,5	45,5	45,5	45,5	45,5	45,5	45,5	45,5	45,5	45,5	45,5	45,5
34,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0
36,0	42,5	42,5	42,5	42,5	42,5	42,5	42,5	42,5	42,5	42,5	42,5	42,5	42,5	42,5	42,5	42,5
38,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0
40,0	38,5	39,5	39,5	39,5	39,5	39,5	39,5	39,5	39,5	39,5	39,5	39,5	39,5	39,0	39,0	39,0
44,0	32,0	37,0	37,0	37,0	37,0	37,0	37,0	33,5	37,0	37,0	37,0	37,0	37,0	34,5	37,0	37,0
48,0	27,0	34,5	34,5	34,5	34,5	34,5	34,5	28,2	34,5	34,5	34,5	34,5	34,5	29,0	34,5	34,5
52,0	22,6	32,5	32,5	32,5	32,5	32,5	32,5	23,7	32,5	32,5	32,5	32,5	32,5	24,4	32,5	32,5
56,0	18,7	28,6	31,0	31,0	31,0	31,0	31,0	19,7	31,0	31,0	31,0	31,0	31,0	20,4	31,0	31,0
60,0	15,3	24,6	29,2	29,2	29,2	29,2	29,2	16,3	28,0	29,1	29,1	29,1	29,1	16,9	29,1	29,1
64,0	12,3	21,1	27,6	27,6	27,6	27,6	27,6	13,2	24,3	27,6	27,6	27,6	27,6	13,8	26,4	27,6
68,0	9,7	17,9	26,2	26,4	26,4	26,4	26,4	10,5	21,0	26,4	26,4	26,4	26,4	11,1	23,0	26,4
72,0	7,3	15,1	23,0	25,1	25,1	25,1	25,1	8,1	18,0	25,1	25,1	25,1	25,1	8,6	19,9	25,1
76,0	5,1	12,6	20,1	23,9	23,9	23,9	23,9	5,9	15,3	23,8	23,9	23,9	23,9	6,4	17,2	23,9
80,0		10,3	17,4	22,8	23,0	23,0	23,0		12,9	21,9	23,0	23,0	23,0		14,7	23,0
84,0		8,2	15,1	21,8	22,1	22,1	22,1		10,7	19,3	22,1	22,1	22,1		12,4	22,1
88,0		6,3	12,9	19,4	21,3	21,3	21,3		8,7	17,0	21,3	21,3	21,3		10,3	19,7
92,0			10,9	17,1	20,4	20,6	20,6		6,9	14,8	20,4	20,6	20,6		8,4	17,4
96,0			9,0	15,1	19,5	19,9	19,9		5,2	12,8	19,4	19,9	19,9		6,7	15,4
100,0			7,3	13,2	18,6	19,3	19,3			11,0	18,3	19,3	19,3		5,1	13,4
104,0			5,8	11,4	16,6	18,8	18,8			9,3	16,4	18,8	18,8			11,7
108,0				9,8	14,5	17,4	17,4			7,8	14,5	17,4	17,4			10,0
* n *	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0	15.0	15.0	15.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	0.0	50.0	100.0	150.0	200.0	200.0	0.0	50.0	100.0	100.0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

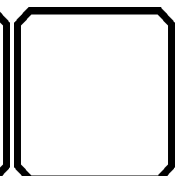
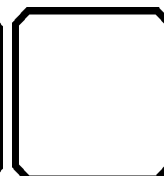
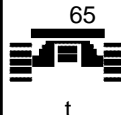
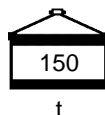


SL2DB


90m

F 16°


30m






22.01

	SL2DB 90m	F 16° 30m					
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22.01

	SL2DB 90m	F 28° 30m	 t	 t	 zz t yy m		
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22.01

	SL2DB 90m	F 28° 30m	 t	 t	 zz t yy m		
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22.01

	SL2DB 90m	F 10° 36m					
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22.01

	SL2DB 90m	F 14° 36m					
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22.01

	SL2DB 90m	F 26° 36m					
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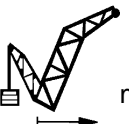

22.01

	SL2DB 96m	F 11° 12m	 t	 t	 zz t yy m		
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074548

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22.01

	m	CODE > 1406 < B181 2910 .x(x)												
		96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0
16,0	137,0	137,0	122,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	125,0	135,0	135,0	135,0
18,0	137,0	137,0	107,0	135,0	135,0	135,0	135,0	135,0	135,0	135,0	110,0	131,0	131,0	131,0
20,0	135,0	135,0	94,0	130,0	131,0	131,0	131,0	131,0	131,0	131,0	97,0	127,0	127,0	127,0
22,0	131,0	131,0	84,0	117,0	127,0	127,0	127,0	127,0	127,0	127,0	86,0	123,0	123,0	123,0
24,0	127,0	127,0	74,0	105,0	123,0	124,0	124,0	124,0	124,0	124,0	77,0	113,0	119,0	119,0
26,0	123,0	123,0	67,0	95,0	120,0	120,0	120,0	120,0	120,0	120,0	69,0	103,0	116,0	116,0
28,0	120,0	120,0	60,0	87,0	114,0	116,0	116,0	116,0	116,0	116,0	62,0	94,0	112,0	112,0
30,0	116,0	116,0	54,0	79,0	105,0	112,0	113,0	113,0	113,0	113,0	56,0	86,0	109,0	109,0
32,0	112,0	112,0	48,5	72,0	96,0	109,0	109,0	109,0	109,0	109,0	50,0	79,0	105,0	106,0
34,0	109,0	109,0	43,5	66,0	89,0	106,0	106,0	106,0	106,0	106,0	45,5	72,0	99,0	103,0
36,0	106,0	106,0	39,5	61,0	82,0	103,0	104,0	104,0	104,0	104,0	41,0	66,0	92,0	100,0
38,0	103,0	103,0	35,5	56,0	77,0	97,0	101,0	101,0	101,0	101,0	37,0	61,0	86,0	98,0
40,0	100,0	100,0	32,0	52,0	71,0	91,0	98,0	98,0	98,0	98,0	33,5	57,0	80,0	95,0
44,0	94,0	94,0	25,8	44,0	62,0	80,0	92,0	92,0	92,0	92,0	27,1	48,5	70,0	89,0
48,0	88,0	88,0	20,6	37,0	54,0	70,0	86,0	87,0	87,0	87,0	21,8	41,5	61,0	81,0
52,0	82,0	82,0	16,2	31,5	47,0	63,0	78,0	81,0	81,0	81,0	17,3	35,5	54,0	72,0
56,0	78,0	79,0	12,4	26,8	41,0	56,0	70,0	77,0	78,0	78,0	13,4	30,5	47,5	65,0
60,0	74,0	76,0	9,0	22,6	36,0	49,5	63,0	73,0	75,0	75,0	10,0	26,1	42,0	58,0
64,0	70,0	73,0	6,1	18,9	31,5	44,5	57,0	69,0	72,0	72,0	7,0	22,1	37,0	52,0
68,0	65,0	69,0		15,6	27,6	39,5	52,0	63,0	68,0	70,0		18,7	33,0	47,5
72,0	59,0	65,0		12,7	24,1	35,5	47,0	57,0	64,0	68,0		15,6	29,2	42,5
76,0	53,0	61,0		10,0	20,9	32,0	42,5	52,0	60,0	66,0		12,8	25,7	38,5
80,0	48,5	56,0		7,7	18,1	28,5	38,5	47,5	56,0	62,0		10,4	22,7	34,5
84,0	44,5	52,0		5,6	15,5	25,5	35,0	43,0	52,0	59,0		8,1	19,9	31,0
88,0	40,5	47,5			13,2	22,7	31,0	39,0	47,0	55,0		6,1	17,2	27,9
92,0	37,0	43,5			11,1	20,3	28,2	36,0	43,5	51,0			14,8	25,0
96,0	34,0	40,0			9,3	17,9	25,4	33,0	40,0	47,0			12,6	22,4
* n *	8	8	8	8	8	8	8	8	8	8	8	8	8	8
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	350,0	0,0	50,0	100,0	150,0
	m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 11°

96m

12m

150

t

65

t



22.01

The diagram shows a crane system with the following components labeled:

- SL2DB**: Crane model.
- F 11°**: Crane angle.
- 96m**: Crane height.
- 12m**: Crane width.
- 150**: Crane capacity.
- 65**: Crane speed.
- zz t**: Crane travel distance.
- yy m**: Crane travel distance.



22.01

	SL2DB 96m	F 16° 12m					
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22.01

	SL2DB 96m	F 16° 12m					
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22.01

	SL2DB 96m	F 16° 12m					
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

22.01

	SL2DB 96m	F 31° 12m					
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074548

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22.01

 m	 m > t													
	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0
20,0	74,0	74,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0
22,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	71,0	71,0	71,0	71,0
24,0	70,0	70,0	70,0	70,0	70,0	70,0	70,0	70,0	70,0	70,0	70,0	70,0	70,0	70,0
26,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0
28,0	67,0	67,0	65,0	66,0	66,0	66,0	66,0	66,0	66,0	66,0	66,0	66,0	66,0	66,0
30,0	65,0	65,0	59,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	60,0	65,0	65,0	65,0
32,0	64,0	64,0	53,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0	55,0	63,0	63,0	63,0
34,0	62,0	62,0	48,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	49,5	62,0	62,0	62,0
36,0	61,0	61,0	43,5	61,0	61,0	61,0	61,0	61,0	61,0	61,0	45,0	61,0	61,0	61,0
38,0	60,0	60,0	39,5	60,0	60,0	60,0	60,0	60,0	60,0	60,0	41,0	60,0	60,0	60,0
40,0	59,0	59,0	35,5	55,0	59,0	59,0	59,0	59,0	59,0	59,0	37,0	58,0	58,0	58,0
44,0	56,0	56,0	29,1	47,0	56,0	56,0	56,0	56,0	56,0	56,0	30,5	52,0	56,0	56,0
48,0	55,0	55,0	23,6	40,5	54,0	54,0	54,0	54,0	54,0	54,0	24,8	44,5	54,0	54,0
52,0	53,0	53,0	18,9	34,5	50,0	53,0	53,0	53,0	53,0	53,0	20,0	38,5	53,0	53,0
56,0	51,0	51,0	14,9	29,3	44,0	51,0	51,0	51,0	51,0	51,0	15,9	33,0	50,0	51,0
60,0	50,0	50,0	11,3	24,9	38,5	49,0	50,0	50,0	50,0	50,0	12,3	28,4	44,5	49,5
64,0	48,5	48,5	8,2	21,0	33,5	46,5	48,5	48,5	48,5	48,5	9,1	24,2	39,5	48,5
68,0	47,0	47,0	5,4	17,5	29,6	41,5	47,0	47,5	47,5	47,5	6,3	20,6	35,0	46,5
72,0	46,5	46,5		14,4	25,9	37,5	44,5	46,5	46,5	46,5		17,3	31,0	43,5
76,0	45,5	45,5		11,6	22,5	33,5	42,5	45,5	45,5	45,5		14,4	27,3	40,0
80,0	44,0	44,5		9,1	19,5	29,9	40,0	44,0	44,5	44,5		11,8	24,1	36,0
84,0	42,5	44,0		6,8	16,8	26,7	36,0	42,0	44,0	44,0		9,4	21,0	32,0
88,0	41,0	43,5			14,3	23,8	32,5	40,0	43,5	43,5		7,2	18,2	28,9
* n *	5	5	5	5	5	5	5	5	5	5	5	5	5	5
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	350,0	0,0	50,0	100,0	150,0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 31°

96m

12m

150

t

65

t



yy m

zz t

22.01

	SL2DB 96m	F 31° 12m					
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22.01

	SL2DB 96m	F 13° 18m	 t	 t	 zz t yy m		
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22.01

	SL2DB 96m	F 13° 18m					
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22.01

	SL2DB 96m	F 13° 18m					
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22.01

	SL2DB 96m	F 18° 18m					
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22.01

	SL2DB 96m	F 18° 18m					
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22.01

	SL2DB 96m	F 18° 18m					
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22.01

	SL2DB 96m	F 32° 18m					
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22.01

	SL2DB 96m	F 32° 18m					
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22.01

	SL2DB 96m	F 13° 24m					
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

22.01

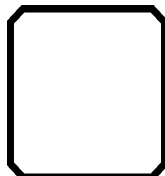
	SL2DB 96m	F 13° 24m					
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074548

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22.01

 m	 m > < t														CODE > 1413 < B181 2917 .x(x)	
	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0
24,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0
26,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0
28,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0
30,0	57,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0
32,0	51,0	56,0	56,0	56,0	56,0	56,0	56,0	56,0	56,0	53,0	56,0	56,0	56,0	56,0	56,0	56,0
34,0	46,5	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	48,5	54,0	54,0	54,0	54,0	54,0	54,0
36,0	42,5	52,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0	44,0	52,0	52,0	52,0	52,0	52,0	52,0
38,0	38,5	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	40,0	50,0	50,0	50,0	50,0	50,0	50,0
40,0	35,0	48,5	49,0	49,0	49,0	49,0	49,0	49,0	49,0	36,5	48,5	48,5	48,5	48,5	48,5	48,5
44,0	29,1	41,5	46,0	46,0	46,0	46,0	46,0	46,0	46,0	30,5	46,0	46,0	46,0	46,0	46,0	46,0
48,0	23,9	35,0	43,5	43,5	43,5	43,5	43,5	43,5	43,5	25,1	39,5	43,5	43,5	43,5	43,5	43,5
52,0	19,5	30,0	40,5	41,0	41,0	41,0	41,0	41,0	41,0	20,6	34,0	41,0	41,0	41,0	41,0	41,0
56,0	15,6	25,5	35,5	39,0	39,0	39,0	39,0	39,0	39,0	16,6	29,1	39,0	39,0	39,0	39,0	39,0
60,0	12,2	21,5	31,0	37,0	37,0	37,0	37,0	37,0	37,0	13,2	24,9	36,5	37,0	37,0	37,0	37,0
64,0	9,2	18,0	26,7	35,0	35,5	35,5	35,5	35,5	35,5	10,1	21,2	32,0	35,5	35,5	35,5	35,5
68,0	6,6	14,8	23,1	31,5	34,0	34,0	34,0	34,0	34,0	7,4	17,9	28,3	34,0	34,0	34,0	34,0
72,0		12,0	19,9	27,7	32,5	32,5	32,5	32,5	32,5	5,0	14,9	24,8	32,5	32,5	32,5	32,5
76,0		9,5	17,0	24,4	30,5	31,0	31,0	31,0	31,0		12,2	21,7	30,5	31,0	31,0	31,0
80,0		7,2	14,4	21,5	28,3	30,0	30,0	30,0	30,0		9,8	18,8	27,8	30,0	30,0	30,0
84,0		5,1	12,0	18,8	25,6	29,1	29,1	29,1	29,1		7,6	16,2	24,8	29,1	29,1	29,1
88,0			9,8	16,3	22,8	28,1	28,1	28,1	28,1		5,6	13,9	22,1	28,1	28,1	28,1
92,0			7,8	14,1	20,3	25,6	27,2	27,3	27,3			11,7	19,6	26,1	27,3	27,3
96,0			5,9	12,0	18,0	23,1	26,2	26,5	26,5			9,7	17,4	24,0	26,5	26,5
100,0				10,1	15,7	20,5	25,3	25,7	25,7			7,9	15,2	21,9	25,7	25,7
104,0				8,3	13,3	18,1	22,8	25,1	25,1			6,2	13,3	19,5	25,0	25,0
108,0				6,7	11,2	15,9	20,4	24,1	24,1				11,1	17,2	23,0	23,0
* n *	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	250.0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

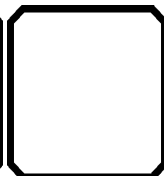
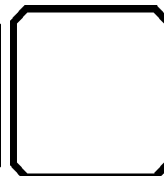
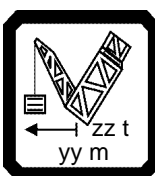
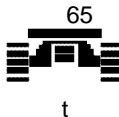
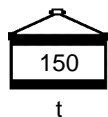


SL2DB

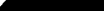
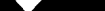
96m

F 18°

24m



22.01

	SL2DB 96m	F 18° 24m					
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22.01

	SL2DB 96m	F 30° 24m					
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22.01

	SL2DB 96m	F 30° 24m					
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22.01

	SL2DB 96m	F 12° 30m					
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22.01

	SL2DB 96m	F 12° 30m					
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22.01

	SL2DB 96m	F 16° 30m					
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22.01

	SL2DB 96m	F 16° 30m					
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22.01

	SL2DB 96m	F 28° 30m					
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22.01

	SL2DB 96m	F 28° 30m					
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22.01

	SL2DB 96m	F 10° 36m					
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22.01

	SL2DB 96m	F 14° 36m					
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

22.01

	SL2DB 96m	F 26° 36m					
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074548

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22.01

 m	 m > t													
	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0
18,0	98,0	125,0	135,0	135,0	135,0	135,0	135,0	135,0	135,0	101,0	131,0	131,0	131,0	131,0
20,0	87,0	111,0	133,0	133,0	133,0	133,0	133,0	133,0	133,0	89,0	120,0	127,0	127,0	127,0
22,0	77,0	99,0	122,0	129,0	129,0	129,0	129,0	129,0	129,0	79,0	108,0	124,0	124,0	124,0
24,0	68,0	89,0	110,0	126,0	126,0	126,0	126,0	126,0	126,0	70,0	97,0	120,0	120,0	120,0
26,0	61,0	80,0	100,0	120,0	122,0	122,0	122,0	122,0	122,0	63,0	88,0	113,0	117,0	117,0
28,0	54,0	73,0	91,0	110,0	119,0	119,0	119,0	119,0	119,0	56,0	80,0	103,0	113,0	113,0
30,0	48,5	66,0	83,0	101,0	115,0	115,0	115,0	115,0	115,0	50,0	72,0	94,0	110,0	110,0
32,0	43,5	60,0	76,0	93,0	109,0	111,0	111,0	111,0	111,0	45,0	66,0	87,0	107,0	107,0
34,0	39,0	55,0	70,0	86,0	101,0	108,0	108,0	108,0	108,0	40,5	60,0	80,0	100,0	104,0
36,0	35,0	49,5	65,0	79,0	94,0	104,0	105,0	105,0	105,0	36,5	55,0	74,0	93,0	101,0
38,0	31,0	45,5	59,0	74,0	88,0	101,0	102,0	102,0	102,0	32,5	51,0	68,0	86,0	98,0
40,0	27,8	41,5	55,0	68,0	82,0	95,0	99,0	99,0	99,0	29,3	46,5	63,0	80,0	95,0
44,0	22,0	34,5	47,0	59,0	72,0	84,0	92,0	92,0	92,0	23,3	39,0	55,0	70,0	86,0
48,0	17,1	28,5	40,0	51,0	63,0	74,0	85,0	87,0	87,0	18,3	32,5	47,0	62,0	76,0
52,0	12,8	23,5	34,0	44,5	55,0	66,0	77,0	82,0	82,0	14,0	27,4	41,0	54,0	68,0
56,0	9,2	19,1	29,1	39,0	49,0	59,0	69,0	76,0	76,0	10,2	22,8	35,5	48,0	60,0
60,0	6,0	15,3	24,7	34,0	43,5	53,0	62,0	69,0	69,0	7,0	18,7	30,5	42,5	54,0
64,0		12,0	20,8	29,6	38,5	47,0	56,0	63,0	63,0		15,2	26,3	37,5	48,5
68,0		9,0	17,3	25,7	34,0	42,5	50,0	57,0	57,0		12,1	22,6	33,0	43,5
72,0		6,4	14,3	22,2	30,0	38,0	45,5	52,0	52,0		9,3	19,2	29,2	39,0
76,0			11,5	19,0	26,5	34,0	41,0	47,0	47,0		6,8	16,2	25,7	35,0
80,0			9,1	16,2	23,4	30,5	36,5	42,5	42,5			13,6	22,6	31,5
84,0			6,8	13,7	20,5	27,2	33,0	38,5	38,5			11,1	19,8	28,4
88,0				11,4	18,0	24,1	29,5	35,0	35,0			8,9	17,2	25,5
92,0				9,3	15,6	21,0	26,2	31,0	31,0			7,0	14,9	22,5
96,0				7,4	13,1	18,4	23,4	28,3	28,3			5,2	12,8	19,8
100,0				5,7	10,8	16,0	20,8	25,6	25,6				10,8	17,4
* n *	6	8	8	8	8	8	8	8	8	6	8	8	8	8
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	350.0	0.0	50.0	100.0	150.0	200.0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 11°

102m

12m

150

t

65

t



22.01

	SL2DB 102m	F 11° 12m					
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22.01

	SL2DB 102m	F 11° 12m					
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22.01

	SL2DB 102m	F 16° 12m					
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22.01

	m	CODE > 1422 < B181 2A15.x(x)												
		102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0
18,0	119,0	119,0	105,0	116,0	116,0	116,0	116,0	116,0	116,0	116,0	108,0	113,0	113,0	113,0
20,0	116,0	116,0	93,0	113,0	113,0	113,0	113,0	113,0	113,0	113,0	95,0	110,0	110,0	110,0
22,0	113,0	113,0	82,0	110,0	110,0	110,0	110,0	110,0	110,0	110,0	85,0	107,0	107,0	107,0
24,0	110,0	110,0	73,0	104,0	107,0	107,0	107,0	107,0	107,0	107,0	76,0	104,0	104,0	104,0
26,0	107,0	107,0	65,0	94,0	104,0	104,0	104,0	104,0	104,0	104,0	68,0	101,0	101,0	101,0
28,0	104,0	104,0	59,0	85,0	101,0	101,0	101,0	101,0	101,0	101,0	61,0	92,0	98,0	98,0
30,0	101,0	101,0	53,0	78,0	98,0	98,0	98,0	98,0	98,0	98,0	55,0	84,0	96,0	96,0
32,0	98,0	98,0	47,5	71,0	95,0	96,0	96,0	96,0	96,0	96,0	49,0	77,0	94,0	94,0
34,0	95,0	95,0	42,5	65,0	88,0	93,0	93,0	93,0	93,0	93,0	44,5	71,0	91,0	91,0
36,0	93,0	93,0	38,5	60,0	81,0	91,0	91,0	91,0	91,0	91,0	40,0	65,0	88,0	89,0
38,0	91,0	91,0	34,5	55,0	75,0	89,0	89,0	89,0	89,0	89,0	36,0	60,0	84,0	87,0
40,0	88,0	88,0	31,0	50,0	70,0	87,0	87,0	87,0	87,0	87,0	32,5	55,0	78,0	85,0
44,0	83,0	83,0	24,9	42,5	61,0	78,0	82,0	82,0	82,0	82,0	26,2	47,5	68,0	81,0
48,0	79,0	79,0	19,7	36,0	53,0	69,0	78,0	78,0	78,0	78,0	20,9	40,5	60,0	76,0
52,0	75,0	75,0	15,2	30,5	46,0	61,0	74,0	74,0	74,0	74,0	16,4	34,5	53,0	71,0
56,0	71,0	71,0	11,4	25,7	40,0	54,0	69,0	70,0	70,0	70,0	12,4	29,4	46,5	63,0
60,0	69,0	69,0	8,0	21,5	35,0	48,5	62,0	67,0	68,0	68,0	9,0	24,9	41,0	57,0
64,0	66,0	67,0	5,1	17,7	30,5	43,0	56,0	64,0	66,0	66,0	6,0	21,0	36,0	51,0
68,0	63,0	64,0		14,4	26,4	38,5	50,0	61,0	64,0	64,0		17,5	31,5	46,0
72,0	58,0	61,0		11,5	22,9	34,0	45,5	56,0	61,0	62,0		14,4	27,9	41,5
76,0	53,0	58,0		8,9	19,7	30,5	41,5	51,0	57,0	61,0		11,6	24,5	37,5
80,0	48,0	54,0		6,5	16,8	27,1	37,5	46,5	54,0	59,0		9,1	21,4	33,5
84,0	43,5	51,0			14,2	24,1	34,0	42,0	50,0	56,0		6,9	18,6	30,5
88,0	40,0	46,5			11,9	21,3	30,5	38,5	46,5	53,0			16,1	27,2
92,0	36,0	42,5			9,8	18,8	27,1	35,0	42,5	49,5			13,8	24,2
96,0	33,0	39,0			7,8	16,6	24,2	31,5	39,0	46,0			11,7	21,6
100,0	29,8	36,0			6,1	14,3	21,6	28,7	36,0	42,5			9,8	19,1
* n *	7	7	7	7	7	7	7	7	7	7	7	7	7	7
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	350,0	0,0	50,0	100,0	150,0
	m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 16°

102m

12m

150


t

65

t



22.01

	SL2DB 102m	F 16° 12m					
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22.01

	SL2DB 102m	F 31° 12m					
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22.01

	SL2DB 102m	F 31° 12m					
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

22.01

	SL2DB 102m	F 31° 12m					
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074548

*** 201

22.01

 m	 m > < t													
	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0
20,0	89,0	97,0	97,0	97,0	97,0	97,0	97,0	97,0	97,0	92,0	95,0	95,0	95,0	95,0
22,0	79,0	95,0	95,0	95,0	95,0	95,0	95,0	95,0	95,0	82,0	93,0	93,0	93,0	93,0
24,0	71,0	91,0	93,0	93,0	93,0	93,0	93,0	93,0	93,0	73,0	90,0	90,0	90,0	90,0
26,0	63,0	83,0	91,0	91,0	91,0	91,0	91,0	91,0	91,0	65,0	87,0	87,0	87,0	87,0
28,0	57,0	75,0	89,0	89,0	89,0	89,0	89,0	89,0	89,0	59,0	82,0	84,0	84,0	84,0
30,0	51,0	68,0	86,0	86,0	86,0	86,0	86,0	86,0	86,0	53,0	75,0	82,0	82,0	82,0
32,0	46,0	62,0	79,0	83,0	83,0	83,0	83,0	83,0	83,0	48,0	68,0	80,0	80,0	80,0
34,0	41,5	57,0	72,0	80,0	80,0	80,0	80,0	80,0	80,0	43,0	63,0	77,0	77,0	77,0
36,0	37,5	52,0	67,0	77,0	77,0	77,0	77,0	77,0	77,0	39,0	58,0	75,0	75,0	75,0
38,0	34,0	47,5	62,0	75,0	75,0	75,0	75,0	75,0	75,0	35,5	53,0	71,0	73,0	73,0
40,0	30,5	44,0	57,0	70,0	73,0	73,0	73,0	73,0	73,0	32,0	48,5	66,0	71,0	71,0
44,0	24,5	37,0	49,0	61,0	68,0	68,0	68,0	68,0	68,0	25,8	41,5	57,0	67,0	67,0
48,0	19,5	31,0	42,0	54,0	63,0	64,0	64,0	64,0	64,0	20,7	35,0	49,5	63,0	63,0
52,0	15,2	25,8	36,5	47,0	57,0	60,0	60,0	60,0	60,0	16,3	29,7	43,0	56,0	60,0
56,0	11,5	21,4	31,0	41,0	51,0	57,0	57,0	57,0	57,0	12,5	25,0	37,5	50,0	57,0
60,0	8,3	17,5	26,8	36,0	45,5	53,0	54,0	54,0	54,0	9,2	20,9	32,5	44,5	53,0
64,0	5,4	14,1	22,9	31,5	40,5	49,0	51,0	51,0	51,0	6,3	17,3	28,4	39,5	49,5
68,0		11,1	19,4	27,6	36,0	44,0	49,0	49,0	49,0		14,1	24,6	35,0	45,5
72,0		8,4	16,2	24,1	32,0	40,0	46,5	46,5	46,5		11,3	21,2	31,0	41,0
76,0		6,0	13,4	20,9	28,4	36,0	42,5	44,5	44,5		8,7	18,1	27,6	37,0
80,0			10,9	18,0	25,2	32,5	38,5	42,0	42,0		6,4	15,4	24,4	33,5
84,0			8,6	15,4	22,2	29,0	35,0	39,5	39,5			12,9	21,5	30,0
88,0			6,5	13,1	19,6	25,8	31,5	36,5	36,5			10,6	18,9	27,1
92,0				10,9	17,2	23,0	28,2	33,5	33,5			8,6	16,5	24,4
96,0				8,9	15,0	20,2	25,2	30,5	30,5			6,7	14,3	21,7
100,0				7,1	12,5	17,6	22,4	27,2	27,2				12,3	19,0
104,0				5,5	10,3	15,3	19,9	24,6	24,6				10,3	16,6
108,0					8,6	13,1	17,7	22,1	22,1				8,6	14,5
* n *	6	6	6	6	6	6	6	6	6	6	6	6	6	6
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	350.0	0.0	50.0	100.0	150.0	200.0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 13°

102m

18m

150

t




65

t




yy m

22.01

	SL2DB 102m	F 13° 18m					
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22.01

	SL2DB 102m	F 13° 18m					
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22.01

	SL2DB 102m	F 18° 18m					
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22.01

	SL2DB 102m	F 18° 18m					
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22.01

	SL2DB 102m	F 18° 18m					
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22.01

	SL2DB 102m	F 32° 18m	 t	 t	 zz t yy m		
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074548

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22.01

	m	CODE > 1426 < B181 2A21.x(x)													
		102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0
24,0	52,0	52,0		52,0	52,0	52,0	52,0	52,0	52,0		52,0	52,0	52,0	52,0	52,0
26,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0
28,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	49,5	49,5	49,5	49,5	49,5
30,0	49,0	49,0	49,0	49,0	49,0	49,0	49,0	49,0	49,0	49,0	48,5	48,5	48,5	48,5	48,5
32,0	48,0	48,0	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5
34,0	47,0	47,0	46,5	46,5	46,5	46,5	46,5	46,5	46,5	46,5	46,5	46,5	46,5	46,5	46,5
36,0	46,0	46,0	45,5	46,0	46,0	46,0	46,0	46,0	46,0	46,0	46,0	46,0	46,0	46,0	46,0
38,0	45,0	45,0	41,5	45,0	45,0	45,0	45,0	45,0	45,0	45,0	43,0	45,0	45,0	45,0	45,0
40,0	44,0	44,0	37,5	44,0	44,0	44,0	44,0	44,0	44,0	44,0	39,0	44,0	44,0	44,0	44,0
44,0	42,5	42,5	31,0	42,5	42,5	42,5	42,5	42,5	42,5	42,5	32,5	42,5	42,5	42,5	42,5
48,0	41,0	41,0	25,4	41,0	41,0	41,0	41,0	41,0	41,0	41,0	26,7	41,0	41,0	41,0	41,0
52,0	40,0	40,0	20,7	36,0	39,5	39,5	39,5	39,5	39,5	39,5	21,8	39,5	39,5	39,5	39,5
56,0	38,5	38,5	16,5	31,0	38,5	38,5	38,5	38,5	38,5	38,5	17,6	34,5	38,5	38,5	38,5
60,0	37,5	37,5	12,9	26,3	37,5	37,5	37,5	37,5	37,5	37,5	13,9	29,7	37,0	37,0	37,0
64,0	36,0	36,0	9,7	22,3	35,0	36,0	36,0	36,0	36,0	36,0	10,6	25,6	36,0	36,0	36,0
68,0	35,5	35,5	6,9	18,8	30,5	35,5	35,5	35,5	35,5	35,5	7,7	21,8	34,5	35,5	35,5
72,0	34,5	34,5		15,6	26,9	34,5	34,5	34,5	34,5	34,5	5,1	18,5	32,0	34,5	34,5
76,0	34,0	34,0		12,7	23,5	33,5	34,0	34,0	34,0	34,0		15,5	28,3	33,5	34,0
80,0	33,5	33,5		10,1	20,4	30,5	33,0	33,0	33,0	33,0		12,8	25,0	32,5	33,0
84,0	32,5	32,5		7,8	17,6	27,4	32,5	32,5	32,5	32,5		10,3	21,9	31,5	32,5
88,0	32,0	32,0		5,6	15,0	24,5	32,0	32,0	32,0	32,0		8,0	19,2	30,5	32,0
92,0	32,0	32,0			12,7	21,7	29,7	32,0	32,0	32,0		6,0	16,7	27,2	31,5
96,0	31,5	31,5			10,5	19,2	26,9	31,5	31,5	31,5			14,4	24,3	31,0
100,0	31,0	31,0			8,5	16,9	24,2	31,0	31,0	31,0			12,2	21,6	30,5
* n *	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0	18,0
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	0,0	50,0	100,0	150,0	200,0	200,0
	m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 32°

102m

18m

150

t


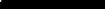
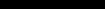
65

t



yy m

22.01

	SL2DB 102m	F 32° 18m	 t	 t	 zz t yy m		
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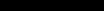
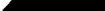
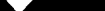
22.01

	SL2DB 102m	F 13° 24m					
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22.01

	SL2DB 102m	F 13° 24m					
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

22.01

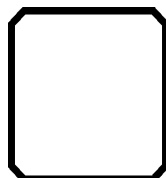
	SL2DB 102m	F 13° 24m					
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074548

*** 201

22.01

 m	 m > < t														CODE > 1428 < B181 2A17.x(x)	
	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0
24,0	66,0	66,0	66,0	66,0	66,0	66,0	66,0	66,0	66,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0
26,0	63,0	63,0	63,0	63,0	63,0	63,0	63,0	63,0	63,0	63,0	63,0	63,0	63,0	63,0	63,0	63,0
28,0	60,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0
30,0	55,0	59,0	59,0	59,0	59,0	59,0	59,0	59,0	59,0	57,0	58,0	58,0	58,0	58,0	58,0	58,0
32,0	49,5	57,0	57,0	57,0	57,0	57,0	57,0	57,0	57,0	51,0	56,0	56,0	56,0	56,0	56,0	56,0
34,0	45,0	55,0	55,0	55,0	55,0	55,0	55,0	55,0	55,0	46,5	55,0	55,0	55,0	55,0	55,0	55,0
36,0	41,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	42,5	53,0	53,0	53,0	53,0	53,0	53,0
38,0	37,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	38,5	51,0	51,0	51,0	51,0	51,0	51,0
40,0	33,5	47,0	49,5	49,5	49,5	49,5	49,5	49,5	49,5	35,0	49,5	49,5	49,5	49,5	49,5	49,5
44,0	27,6	40,0	47,0	47,0	47,0	47,0	47,0	47,0	47,0	28,9	44,5	47,0	47,0	47,0	47,0	47,0
48,0	22,5	33,5	44,5	44,5	44,5	44,5	44,5	44,5	44,5	23,7	38,0	44,5	44,5	44,5	44,5	44,5
52,0	18,1	28,6	39,0	42,0	42,0	42,0	42,0	42,0	42,0	19,2	32,5	42,0	42,0	42,0	42,0	42,0
56,0	14,3	24,1	34,0	40,0	40,0	40,0	40,0	40,0	40,0	15,3	27,7	40,0	40,0	40,0	40,0	40,0
60,0	10,9	20,1	29,3	38,0	38,0	38,0	38,0	38,0	38,0	11,9	23,5	35,0	38,0	38,0	38,0	38,0
64,0	8,0	16,6	25,3	34,0	36,0	36,0	36,0	36,0	36,0	8,9	19,8	31,0	36,0	36,0	36,0	36,0
68,0	5,3	13,5	21,7	29,9	34,5	35,0	35,0	35,0	35,0	6,2	16,5	26,9	34,5	35,0	35,0	35,0
72,0		10,7	18,5	26,3	33,0	33,5	33,5	33,5	33,5		13,6	23,4	33,0	33,5	33,5	33,5
76,0		8,2	15,7	23,1	30,5	32,0	32,0	32,0	32,0		11,0	20,3	29,7	32,0	32,0	32,0
80,0		6,0	13,0	20,1	27,2	30,5	31,0	31,0	31,0		8,6	17,5	26,4	30,5	31,0	31,0
84,0			10,7	17,4	24,2	28,5	30,0	30,0	30,0		6,4	14,9	23,5	29,2	30,0	30,0
88,0			8,5	15,0	21,5	26,7	29,0	29,0	29,0			12,6	20,8	27,7	29,0	29,0
92,0			6,5	12,7	19,0	24,8	28,0	28,0	28,0			10,4	18,3	26,2	28,0	28,0
96,0				10,7	16,7	22,2	25,9	27,3	27,3			8,4	16,0	23,6	26,7	26,7
100,0				8,8	14,5	19,6	23,8	26,6	26,6			6,6	13,9	21,0	25,4	25,4
104,0				7,0	12,1	17,1	21,6	25,9	25,9				12,0	18,4	24,1	24,1
108,0				5,4	10,1	14,8	19,3	23,7	23,7				10,1	16,1	21,9	21,9
112,0					8,4	12,6	17,1	21,4	21,4				8,4	14,0	19,6	19,6
* n *	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	250.0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

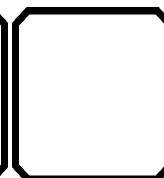
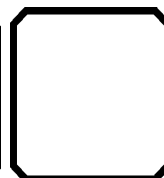
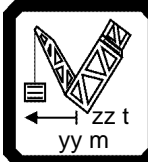
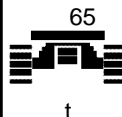
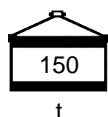


SL2DB




102m

F 18°

24m



22.01


	SL2DB 102m	F 18° 24m					
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22.01

22.01

	SL2DB 102m	F 30° 24m					
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22.01

	SL2DB 102m	F 30° 24m	 t	 t	 zz t yy m		
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22.01




The diagram shows a crane system with the following components labeled:

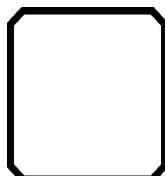
- SL2DB**: Crane model.
- F 12°**: Crane angle.
- 102m**: Crane height.
- 30m**: Crane width.
- 150**: Crane weight.
- 65**: Crane weight.
- zz t**: Crane weight.
- yy m**: Crane weight.

074548

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22.01

 m	 m > < t												CODE > 1430 < B181 2A13.x(x)	
	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0		
24,0	64,0	63,0	63,0	63,0	63,0	63,0	63,0	62,0	62,0	62,0	62,0	62,0		
26,0	62,0	61,0	61,0	61,0	61,0	61,0	61,0	60,0	60,0	60,0	60,0	60,0		
28,0	60,0	59,0	59,0	59,0	59,0	59,0	59,0	58,0	58,0	58,0	58,0	58,0		
30,0	58,0	56,0	57,0	57,0	57,0	57,0	57,0	56,0	56,0	56,0	56,0	56,0		
32,0	55,0	51,0	55,0	55,0	55,0	55,0	55,0	53,0	54,0	54,0	54,0	54,0		
34,0	53,0	46,5	53,0	53,0	53,0	53,0	53,0	48,0	52,0	52,0	52,0	52,0		
36,0	51,0	42,5	51,0	51,0	51,0	51,0	51,0	44,0	51,0	51,0	51,0	51,0		
38,0	49,5	38,5	49,0	49,0	49,0	49,0	49,0	40,0	49,0	49,0	49,0	49,0		
40,0	47,5	35,0	47,5	47,5	47,5	47,5	47,5	36,5	47,5	47,5	47,5	47,5		
44,0	44,5	29,1	44,0	44,0	44,0	44,0	44,0	30,5	44,5	44,5	44,5	44,5		
48,0	41,5	24,0	40,0	41,5	41,5	41,5	41,5	25,2	41,5	41,5	41,5	41,5		
52,0	38,5	19,6	34,5	38,5	38,5	38,5	38,5	20,7	38,5	38,5	38,5	38,5		
56,0	36,5	15,7	29,7	36,5	36,5	36,5	36,5	16,8	33,5	36,5	36,5	36,5		
60,0	34,5	12,4	25,5	34,5	34,5	34,5	34,5	13,3	28,9	34,5	34,5	34,5		
64,0	32,5	9,4	21,8	32,5	32,5	32,5	32,5	10,3	25,0	32,5	32,5	32,5		
68,0	31,0	6,8	18,5	30,0	30,5	30,5	30,5	7,6	21,5	30,5	30,5	30,5		
72,0	29,4		15,5	26,7	29,4	29,4	29,4	5,2	18,4	29,3	29,4	29,4		
76,0	28,0		12,9	23,5	28,0	28,0	28,0		15,6	28,0	28,0	28,0		
80,0	26,6		10,4	20,6	26,6	26,6	26,6		13,0	25,0	26,6	26,6		
84,0	25,6		8,2	17,9	25,2	25,6	25,6		10,7	22,2	25,6	25,6		
88,0	24,5		6,2	15,5	23,7	24,5	24,5		8,6	19,6	24,5	24,5		
92,0	23,5			13,3	22,2	23,5	23,5		6,7	17,2	23,5	23,5		
96,0	22,5			11,3	19,8	22,5	22,5			15,0	22,5	22,5		
100,0	21,8			9,4	17,6	21,7	21,8			13,0	21,0	21,8		
104,0	21,1			7,7	15,6	21,0	21,1			11,2	19,6	21,1		
108,0	20,4			6,1	13,8	20,2	20,4			9,5	18,2	20,4		
112,0	19,8				11,7	18,4	19,8			7,9	16,2	19,8		
116,0	19,2				9,9	16,3	19,2			6,4	14,2	19,2		
* n *	4	4	4	4	4	4	4	4	4	4	4	4		
yy	13,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0	18,0		
zz	300,0	0,0	50,0	100,0	150,0	200,0	250,0	0,0	50,0	100,0	150,0	200,0		
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0		

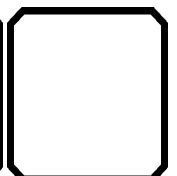
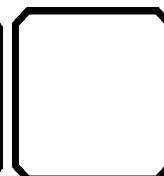
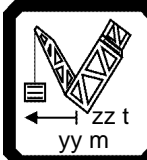
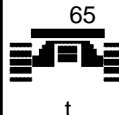
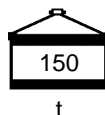


SL2DB

102m

F 12°




30m



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22.01

 m	 m > < t													
	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0
26,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0
28,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0
30,0	49,0	49,0	49,0	49,0	49,0	49,0	49,0	49,0	49,0	49,0	49,0	49,0	49,0	49,0
32,0	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5
34,0	45,5	45,5	45,5	45,5	45,5	45,5	45,5	45,5	45,5	45,5	45,5	45,5	45,5	45,5
36,0	41,5	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	43,0	44,0	44,0	44,0	44,0
38,0	37,5	42,5	42,5	42,5	42,5	42,5	42,5	42,5	42,5	39,0	42,5	42,5	42,5	42,5
40,0	34,5	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	35,5	41,0	41,0	41,0	41,0
44,0	28,3	38,5	38,5	38,5	38,5	38,5	38,5	38,5	38,5	29,6	38,5	38,5	38,5	38,5
48,0	23,2	34,5	36,5	36,5	36,5	36,5	36,5	36,5	36,5	24,4	36,5	36,5	36,5	36,5
52,0	18,9	29,2	34,5	34,5	34,5	34,5	34,5	34,5	34,5	20,0	33,0	34,5	34,5	34,5
56,0	15,1	24,8	32,5	32,5	32,5	32,5	32,5	32,5	32,5	16,1	28,4	32,5	32,5	32,5
60,0	11,7	20,9	30,0	31,0	31,0	31,0	31,0	31,0	31,0	12,7	24,2	31,0	31,0	31,0
64,0	8,8	17,4	26,0	29,4	29,4	29,4	29,4	29,4	29,4	9,7	20,5	29,3	29,3	29,3
68,0	6,1	14,3	22,4	27,8	27,9	27,9	27,9	27,9	27,9	7,0	17,3	27,6	27,8	27,8
72,0		11,5	19,3	26,2	26,7	26,7	26,7	26,7	26,7		14,4	24,1	26,7	26,7
76,0		9,0	16,4	23,7	25,6	25,6	25,6	25,6	25,6		11,7	21,0	25,6	25,6
80,0		6,7	13,8	20,8	24,5	24,5	24,5	24,5	24,5		9,3	18,2	24,4	24,4
84,0			11,4	18,1	23,0	23,5	23,5	23,5	23,5		7,1	15,6	23,0	23,5
88,0			9,2	15,7	21,2	22,7	22,7	22,7	22,7		5,2	13,3	21,2	22,7
92,0			7,3	13,4	19,5	21,9	21,9	21,9	21,9			11,1	19,0	21,9
96,0			5,4	11,4	17,3	21,1	21,1	21,1	21,1			9,2	16,7	21,1
100,0				9,5	15,2	19,5	20,5	20,5	20,5			7,3	14,6	19,8
104,0				7,7	13,3	17,5	19,9	19,9	19,9			5,7	12,6	18,2
108,0				6,1	11,0	15,6	19,4	19,4	19,4				10,9	16,7
112,0					9,1	13,6	18,0	18,9	18,9				9,1	14,9
116,0					7,7	11,6	15,9	18,4	18,4				7,6	12,8
120,0					6,4	9,8	13,9	17,4	17,4				6,2	10,8
* n *	3	3	3	3	3	3	3	3	3	3	3	3	3	3
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 16°

102m

30m

150




t

65

t



22.01

	SL2DB 102m	F 16° 30m					
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22.01

	SL2DB 102m	F 28° 30m					
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

22.01

	SL2DB 102m	F 28° 30m	 t	 t	 zz t yy m		
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


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22.01

 m	 m > < t														CODE > 1433 < B181 2A14.x(x)	
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24,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	57,0	57,0	57,0	57,0	55,0	
26,0	56,0	56,0	56,0	56,0	56,0	56,0	56,0	56,0	56,0	56,0	55,0	55,0	55,0	55,0	53,0	
28,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	53,0	53,0	53,0	53,0	52,0	
30,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0	51,0	51,0	51,0	51,0	50,0	
32,0	47,5	49,5	50,0	50,0	50,0	49,5	49,5	49,5	49,5	49,5	49,0	49,0	49,0	49,0	48,5	
34,0	43,5	47,5	47,5	47,5	47,5	45,0	47,5	47,5	47,5	47,5	46,0	47,0	47,0	47,0	47,0	
36,0	39,5	46,0	46,0	46,0	46,0	41,0	45,5	45,5	45,5	45,5	42,0	45,0	45,5	45,5	43,5	
38,0	36,0	44,0	44,0	44,0	44,0	37,5	44,0	44,0	44,0	44,0	38,5	43,5	44,0	44,0	39,5	
40,0	32,5	42,5	42,5	42,5	42,5	34,0	42,0	42,0	42,0	42,0	35,0	42,0	42,0	42,0	36,5	
44,0	26,9	39,0	39,0	39,0	39,0	28,2	39,0	39,0	39,0	39,0	29,0	39,0	39,0	39,0	30,5	
48,0	22,0	33,0	36,5	36,5	36,5	23,2	36,5	36,5	36,5	36,5	24,0	36,5	36,5	36,5	25,2	
52,0	17,8	28,1	34,0	34,0	34,0	18,9	32,0	34,0	34,0	34,0	19,7	34,0	34,0	34,0	20,8	
56,0	14,2	23,8	31,5	31,5	31,5	15,2	27,4	31,5	31,5	31,5	15,9	29,8	31,5	31,5	16,9	
60,0	11,0	20,1	29,1	29,8	29,8	12,0	23,4	29,7	29,7	29,7	12,6	25,6	29,7	29,7	13,6	
64,0	8,2	16,7	25,3	28,0	28,0	9,1	19,9	28,0	28,0	28,0	9,7	22,0	27,9	27,9	10,6	
68,0	5,6	13,7	21,8	26,2	26,2	6,5	16,7	26,2	26,2	26,2	7,1	18,7	26,2	26,2	7,9	
72,0		11,1	18,7	24,8	24,9		13,9	23,6	24,9	24,9		15,8	24,9	24,9	5,5	
76,0		8,7	16,0	23,3	23,7		11,3	20,6	23,6	23,6		13,1	23,6	23,6		
80,0		6,5	13,5	20,4	22,4		9,0	17,9	22,4	22,4		10,7	20,8	22,4		
84,0			11,2	17,8	21,2		6,9	15,4	21,1	21,1		8,6	18,2	21,1		
88,0			9,1	15,5	18,0		5,0	13,1	18,0	18,0		6,6	15,8	18,0		
92,0			7,2	13,3	14,8			11,0	14,8	14,8			13,6	14,8		
96,0			5,4	11,3	11,7			9,1	11,6	11,6			11,6	11,7		
100,0				8,4	8,6			7,4	8,5	8,5			8,9	8,9		
104,0				5,8	6,0			5,7	5,9	5,9			6,2	6,2		
* n *	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
yy	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	15.0	15.0	15.0	15.0	18.0	
zz	0.0	50.0	100.0	150.0	200.0	0.0	50.0	100.0	150.0	150.0	0.0	50.0	100.0	150.0	0.0	
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	

	SL2DB	F 10°		65			
	102m	36m	t	t	yy m		



22.01

	SL2DB 102m	F 10° 36m	 t	 t	 zz t yy m		
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22.01

	SL2DB 102m	F 14° 36m					
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22.01

	SL2DB 102m	F 26° 36m					
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074548

*** 201

22.01

	m	CODE > 1436 < B181 2B10.x(x)												
		108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0
18,0	94,0	121,0	129,0	129,0	129,0	129,0	129,0	129,0	129,0	97,0	128,0	128,0	128,0	128,0
20,0	83,0	107,0	128,0	128,0	128,0	128,0	128,0	128,0	128,0	86,0	116,0	125,0	125,0	125,0
22,0	73,0	96,0	118,0	126,0	126,0	126,0	126,0	126,0	126,0	76,0	104,0	123,0	123,0	123,0
24,0	65,0	86,0	107,0	124,0	124,0	124,0	124,0	124,0	124,0	67,0	94,0	120,0	120,0	120,0
26,0	58,0	77,0	97,0	116,0	122,0	122,0	122,0	122,0	122,0	60,0	85,0	109,0	117,0	117,0
28,0	52,0	70,0	88,0	106,0	120,0	120,0	120,0	120,0	120,0	54,0	77,0	100,0	115,0	115,0
30,0	46,0	63,0	80,0	98,0	115,0	116,0	116,0	116,0	116,0	48,0	70,0	91,0	112,0	112,0
32,0	41,0	57,0	74,0	90,0	106,0	114,0	114,0	114,0	114,0	43,0	63,0	84,0	104,0	109,0
34,0	36,5	52,0	67,0	83,0	98,0	110,0	111,0	111,0	111,0	38,0	58,0	77,0	97,0	106,0
36,0	32,5	47,0	62,0	77,0	91,0	106,0	108,0	108,0	108,0	34,0	53,0	71,0	90,0	103,0
38,0	29,0	43,0	57,0	71,0	85,0	99,0	105,0	105,0	105,0	30,5	48,0	66,0	83,0	99,0
40,0	25,7	39,0	52,0	66,0	79,0	92,0	101,0	103,0	103,0	27,1	44,0	61,0	78,0	95,0
44,0	19,9	32,0	44,5	57,0	69,0	81,0	93,0	97,0	97,0	21,2	36,5	52,0	68,0	83,0
48,0	15,0	26,4	37,5	49,0	60,0	72,0	83,0	90,0	90,0	16,3	30,5	45,0	59,0	74,0
52,0	10,9	21,4	32,0	42,5	53,0	64,0	74,0	83,0	83,0	12,0	25,3	38,5	52,0	65,0
56,0	7,3	17,1	27,0	37,0	46,5	57,0	66,0	75,0	75,0	8,3	20,8	33,0	45,5	58,0
60,0		13,4	22,6	32,0	41,0	50,0	60,0	69,0	69,0	5,1	16,8	28,5	40,0	52,0
64,0		10,1	18,8	27,5	36,0	45,0	54,0	62,0	62,0		13,3	24,3	35,5	46,5
68,0		7,1	15,4	23,6	32,0	40,0	48,5	56,0	56,0		10,1	20,6	31,0	41,5
72,0			12,3	20,2	28,0	36,0	43,5	50,0	50,0		7,4	17,3	27,2	37,0
76,0			9,6	17,1	24,5	32,0	39,5	45,5	45,5			14,3	23,7	33,0
80,0			7,2	14,3	21,4	28,5	35,0	41,0	41,0			11,6	20,6	29,6
84,0				11,7	18,6	25,3	31,0	36,5	36,5			9,2	17,8	26,4
88,0				9,5	16,0	22,3	27,7	33,0	33,0			7,0	15,3	23,5
92,0				7,4	13,6	19,5	24,7	29,9	29,9			5,0	12,9	20,9
96,0				5,5	11,2	16,6	21,7	26,6	26,6				10,8	18,1
100,0					9,2	14,1	19,0	23,8	23,8				8,9	15,6
104,0					7,6	11,7	16,6	21,3	21,3				7,2	13,2
* n *	6	7	8	8	8	8	8	8	6	8	8	8	8	8
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
	m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 11°

108m

12m

150

t

65

t



yy m

22.01

	SL2DB 108m	F 11° 12m					
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22.01




The diagram shows a crane system with the following components and labels:

- SL2DB**: Label for the crane structure.
- 108m**: Dimension for the length of the crane structure.
- F 11°**: Angle of the crane structure.
- 12m**: Dimension for the height of the crane structure.
- 150**: Label for the crane structure.
- 65**: Label for the crane structure.
- zz t**: Label for the crane structure.
- yy m**: Dimension for the height of the crane structure.

074548

*** 201

22.01

 m	 m > t													
	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0
18,0			117,0	117,0	117,0	117,0	117,0	117,0			117,0	117,0	117,0	117,0
20,0	85,0	109,0	116,0	116,0	116,0	116,0	116,0	116,0	87,0	115,0	115,0	115,0	115,0	115,0
22,0	75,0	97,0	115,0	115,0	115,0	115,0	115,0	115,0	77,0	106,0	113,0	113,0	113,0	113,0
24,0	66,0	87,0	108,0	113,0	113,0	113,0	113,0	113,0	69,0	95,0	110,0	110,0	110,0	110,0
26,0	59,0	79,0	98,0	112,0	112,0	112,0	112,0	112,0	61,0	86,0	108,0	108,0	108,0	108,0
28,0	53,0	71,0	89,0	107,0	110,0	110,0	110,0	110,0	55,0	78,0	101,0	105,0	105,0	105,0
30,0	47,0	64,0	81,0	99,0	108,0	108,0	108,0	108,0	49,0	71,0	92,0	103,0	103,0	103,0
32,0	42,0	58,0	75,0	91,0	105,0	105,0	105,0	105,0	44,0	64,0	85,0	101,0	101,0	101,0
34,0	37,5	53,0	68,0	84,0	99,0	103,0	103,0	103,0	39,0	59,0	78,0	98,0	98,0	98,0
36,0	33,5	48,0	63,0	77,0	92,0	100,0	100,0	100,0	35,0	54,0	72,0	91,0	96,0	96,0
38,0	29,8	44,0	58,0	72,0	86,0	96,0	97,0	97,0	31,5	49,0	67,0	84,0	94,0	94,0
40,0	26,5	40,0	53,0	67,0	80,0	93,0	95,0	95,0	27,9	45,0	62,0	79,0	92,0	92,0
44,0	20,6	33,0	45,0	57,0	70,0	82,0	89,0	89,0	21,9	37,5	53,0	68,0	84,0	87,0
48,0	15,7	27,0	38,5	49,5	61,0	72,0	83,0	84,0	16,9	31,0	45,5	60,0	74,0	83,0
52,0	11,4	22,0	32,5	43,0	54,0	64,0	75,0	80,0	12,6	25,9	39,0	53,0	66,0	77,0
56,0	7,8	17,6	27,5	37,5	47,0	57,0	67,0	75,0	8,8	21,3	33,5	46,0	59,0	71,0
60,0		13,8	23,1	32,5	41,5	51,0	60,0	69,0	5,5	17,2	28,9	40,5	52,0	64,0
64,0		10,5	19,2	27,9	36,5	45,5	54,0	62,0		13,7	24,7	35,5	47,0	58,0
68,0		7,5	15,7	24,0	32,5	40,5	49,0	56,0		10,5	20,9	31,5	42,0	52,0
72,0			12,7	20,5	28,3	36,0	43,5	50,0		7,7	17,6	27,5	37,5	47,5
76,0			9,9	17,4	24,8	32,5	39,5	45,5		5,2	14,6	24,0	33,5	43,0
80,0			7,4	14,5	21,7	28,8	35,5	41,5			11,9	20,9	29,9	39,0
84,0			5,2	12,0	18,8	25,6	31,5	37,0			9,4	18,0	26,6	34,5
88,0				9,7	16,2	22,5	27,9	33,5			7,2	15,5	23,7	31,0
92,0				7,5	13,8	19,7	24,9	30,0			5,2	13,1	21,0	27,9
96,0				5,6	11,4	16,8	21,9	26,8				11,0	18,3	24,8
100,0					9,3	14,2	19,2	23,9				9,0	15,7	22,0
104,0					7,6	11,8	16,7	21,4				7,3	13,3	19,5
* n *	5	7	7	7	7	7	7	7	5	7	7	7	7	7
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 16°

108m

12m

150

t

65

t



22.01

	SL2DB 108m	F 16° 12m					
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

22.01

	SL2DB 108m	F 16° 12m					
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074548

*** 201

22.01

 m	 m > t													
	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0
22,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0
24,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0
26,0	64,0	70,0	70,0	70,0	70,0	70,0	70,0	70,0	66,0	69,0	69,0	69,0	69,0	69,0
28,0	57,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0	59,0	68,0	68,0	68,0	68,0	68,0
30,0	51,0	67,0	67,0	67,0	67,0	67,0	67,0	67,0	53,0	66,0	66,0	66,0	66,0	66,0
32,0	46,0	62,0	65,0	65,0	65,0	65,0	65,0	65,0	47,5	65,0	65,0	65,0	65,0	65,0
34,0	41,0	57,0	64,0	64,0	64,0	64,0	64,0	64,0	43,0	62,0	64,0	64,0	64,0	64,0
36,0	37,0	52,0	63,0	63,0	63,0	63,0	63,0	63,0	38,5	57,0	62,0	62,0	62,0	62,0
38,0	33,0	47,0	61,0	62,0	62,0	62,0	62,0	62,0	34,5	52,0	61,0	61,0	61,0	61,0
40,0	29,6	43,0	56,0	60,0	60,0	60,0	60,0	60,0	31,0	48,0	60,0	60,0	60,0	60,0
44,0	23,5	36,0	48,0	58,0	58,0	58,0	58,0	58,0	24,8	40,5	56,0	58,0	58,0	58,0
48,0	18,3	29,7	41,0	52,0	56,0	56,0	56,0	56,0	19,5	34,0	48,0	56,0	56,0	56,0
52,0	13,9	24,4	35,0	45,5	53,0	55,0	55,0	55,0	15,0	28,3	41,5	53,0	54,0	54,0
56,0	10,0	19,9	29,8	39,5	49,5	53,0	53,0	53,0	11,1	23,5	36,0	48,5	53,0	53,0
60,0	6,7	15,9	25,2	34,5	44,0	51,0	51,0	51,0	7,6	19,3	31,0	43,0	51,0	51,0
64,0		12,4	21,2	29,9	38,5	47,0	49,0	50,0		15,6	26,7	37,5	47,5	50,0
68,0		9,3	17,6	25,9	34,0	42,5	47,0	49,0		12,4	22,8	33,0	43,5	49,0
72,0		6,5	14,4	22,2	30,0	38,0	44,5	48,0		9,4	19,3	29,2	39,0	48,0
76,0			11,5	19,0	26,4	34,0	41,0	45,0		6,8	16,2	25,6	35,0	44,0
80,0			8,9	16,0	23,1	30,5	37,0	41,0			13,4	22,4	31,5	40,0
84,0			6,5	13,3	20,2	27,0	33,0	37,5			10,8	19,4	28,0	36,0
88,0				10,9	17,4	23,6	29,1	34,5			8,5	16,7	25,0	32,0
92,0				8,7	14,9	20,7	26,0	31,0			6,3	14,3	22,2	29,1
96,0				6,6	12,5	17,9	22,9	28,0				12,0	19,4	25,9
100,0					10,1	15,1	20,0	24,9				9,9	16,6	22,9
* n *	5	5	5	5	5	5	5	5	5	5	5	5	5	5
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 31°

108m

12m

150

t

65




t



22.01

	SL2DB 108m	F 31° 12m					
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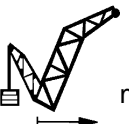


22.01

	SL2DB 108m	F 31° 12m					
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074548

*** 201

22.01

 m	 m > t													
	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0
20,0	86,0	95,0	95,0	95,0	95,0	95,0	95,0	95,0	95,0	88,0	94,0	94,0	94,0	94,0
22,0	76,0	93,0	93,0	93,0	93,0	93,0	93,0	93,0	93,0	78,0	92,0	92,0	92,0	92,0
24,0	68,0	88,0	91,0	91,0	91,0	91,0	91,0	91,0	91,0	70,0	91,0	91,0	91,0	91,0
26,0	61,0	80,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0	63,0	87,0	88,0	88,0	88,0
28,0	54,0	72,0	88,0	88,0	88,0	88,0	88,0	88,0	88,0	56,0	79,0	86,0	86,0	86,0
30,0	48,5	66,0	83,0	86,0	86,0	86,0	86,0	86,0	86,0	51,0	72,0	84,0	84,0	84,0
32,0	43,5	60,0	76,0	84,0	84,0	84,0	84,0	84,0	84,0	45,5	66,0	82,0	82,0	82,0
34,0	39,5	55,0	70,0	82,0	82,0	82,0	82,0	82,0	82,0	41,0	60,0	79,0	79,0	79,0
36,0	35,5	50,0	64,0	79,0	79,0	79,0	79,0	79,0	79,0	37,0	55,0	73,0	77,0	77,0
38,0	31,5	45,5	59,0	73,0	77,0	77,0	77,0	77,0	77,0	33,0	51,0	68,0	75,0	75,0
40,0	28,3	41,5	55,0	68,0	75,0	75,0	75,0	75,0	75,0	29,7	46,5	63,0	73,0	73,0
44,0	22,5	34,5	47,0	59,0	70,0	70,0	70,0	70,0	70,0	23,8	39,0	55,0	69,0	69,0
48,0	17,6	28,8	40,0	51,0	63,0	66,0	66,0	66,0	66,0	18,8	33,0	47,0	61,0	65,0
52,0	13,3	23,8	34,5	44,5	55,0	62,0	62,0	62,0	62,0	14,5	27,7	41,0	54,0	62,0
56,0	9,7	19,5	29,2	39,0	49,0	58,0	59,0	59,0	59,0	10,7	23,1	35,5	48,0	59,0
60,0	6,4	15,6	24,8	34,0	43,0	52,0	56,0	56,0	56,0	7,4	19,0	30,5	42,0	55,0
64,0		12,3	20,9	29,6	38,5	47,0	52,0	53,0	53,0		15,5	26,4	37,5	53,0
68,0		9,3	17,5	25,7	34,0	42,0	48,5	51,0	51,0		12,3	22,7	33,0	50,0
72,0		6,6	14,4	22,2	30,0	38,0	44,5	48,5	48,5		9,5	19,3	29,1	47,5
76,0			11,6	19,0	26,4	34,0	41,0	46,0	46,0		6,9	16,3	25,6	44,5
80,0			9,1	16,2	23,2	30,5	37,5	42,5	42,5			13,6	22,5	40,5
84,0			6,8	13,6	20,4	27,1	33,5	38,5	38,5			11,1	19,6	36,5
88,0				11,2	17,7	24,2	29,7	35,0	35,0			8,8	17,0	33,0
92,0				9,1	15,3	21,2	26,4	31,5	31,5			6,8	14,6	29,5
96,0				7,1	13,1	18,6	23,7	28,7	28,7				12,4	26,6
100,0				5,3	11,1	16,1	20,9	25,7	25,7				10,4	23,7
104,0					8,9	13,5	18,3	22,9	22,9				8,6	21,0
108,0					7,2	11,2	16,0	20,5	20,5				6,9	18,6
112,0					5,8	9,4	13,9	18,2	18,2				5,4	16,4
* n *	5	6	6	6	6	6	6	6	6	6	6	6	6	6
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 13°

108m

18m

150

t

65




t



074548

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22.01

 m	 m > t													
	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0
20,0	94,0	94,0	90,0	93,0	93,0	93,0	93,0	93,0	93,0	93,0	91,0	91,0	91,0	91,0
22,0	92,0	92,0	80,0	91,0	91,0	91,0	91,0	91,0	91,0	91,0	82,0	88,0	88,0	88,0
24,0	91,0	91,0	72,0	88,0	88,0	88,0	88,0	88,0	88,0	88,0	74,0	86,0	86,0	86,0
26,0	88,0	88,0	64,0	86,0	86,0	86,0	86,0	86,0	86,0	86,0	66,0	84,0	84,0	84,0
28,0	86,0	86,0	58,0	83,0	84,0	84,0	84,0	84,0	84,0	84,0	60,0	81,0	82,0	82,0
30,0	84,0	84,0	52,0	76,0	82,0	82,0	82,0	82,0	82,0	82,0	54,0	79,0	80,0	80,0
32,0	82,0	82,0	46,5	70,0	80,0	80,0	80,0	80,0	80,0	80,0	48,5	76,0	78,0	78,0
34,0	79,0	79,0	42,0	64,0	78,0	78,0	78,0	78,0	78,0	78,0	43,5	70,0	76,0	76,0
36,0	77,0	77,0	38,0	59,0	76,0	76,0	76,0	76,0	76,0	76,0	39,5	64,0	74,0	74,0
38,0	75,0	75,0	34,0	54,0	74,0	74,0	74,0	74,0	74,0	74,0	35,5	59,0	72,0	72,0
40,0	73,0	73,0	30,5	49,5	69,0	72,0	72,0	72,0	72,0	72,0	32,0	55,0	71,0	71,0
44,0	69,0	69,0	24,7	42,0	60,0	69,0	69,0	69,0	69,0	69,0	26,0	46,5	67,0	67,0
48,0	65,0	65,0	19,6	36,0	52,0	65,0	65,0	65,0	65,0	65,0	20,8	40,0	59,0	64,0
52,0	62,0	62,0	15,2	30,5	45,5	60,0	62,0	62,0	62,0	62,0	16,3	34,0	52,0	61,0
56,0	59,0	59,0	11,4	25,5	39,5	54,0	59,0	59,0	59,0	59,0	12,4	29,1	46,0	58,0
60,0	55,0	55,0	8,1	21,3	34,5	48,0	55,0	55,0	55,0	55,0	9,0	24,7	40,5	55,0
64,0	53,0	53,0	5,1	17,6	30,0	42,5	52,0	53,0	53,0	53,0	6,0	20,8	35,5	50,0
68,0	51,0	51,0		14,3	26,1	38,0	48,5	51,0	51,0	51,0		17,4	31,5	45,5
72,0	48,5	48,5		11,4	22,6	34,0	45,0	48,5	48,5	48,5		14,3	27,5	41,0
76,0	46,0	46,5		8,7	19,4	30,0	40,5	46,0	46,5	46,5		11,5	24,1	37,0
80,0	44,0	45,0		6,4	16,5	26,7	37,0	43,5	45,0	45,0		9,0	21,0	33,0
84,0	41,5	43,5			13,9	23,7	33,5	40,5	43,0	43,0		6,7	18,2	29,8
88,0	39,0	41,5			11,6	20,9	30,0	38,0	41,5	41,5			15,7	26,7
92,0	36,0	40,0			9,4	18,3	27,2	35,0	40,0	40,5			13,3	24,0
96,0	33,0	37,5			7,4	16,0	24,5	32,0	37,5	39,0			11,2	21,4
100,0	30,0	35,0			5,6	13,9	21,7	29,0	35,0	38,0			9,2	19,1
104,0	27,0	33,0				11,8	19,0	26,0	32,5	37,0			7,4	16,7
108,0	24,3	30,0				9,6	16,7	23,3	29,9	36,0			5,8	14,4
112,0	22,0	27,5				8,1	14,5	21,0	27,4	33,5				12,2
* n *	6	6	6	6	6	6	6	6	6	6	6	6	6	6
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	350,0	0,0	50,0	100,0	150,0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 13°

108m

18m

150




t

65

t



22.01

	SL2DB 108m	F 13° 18m					
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

22.01

	SL2DB 108m	F 18° 18m					
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074548

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22.01

 m	 m > t													
	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0
22,0	83,0	83,0	82,0	82,0	82,0	82,0	82,0	82,0	82,0	82,0	80,0	80,0	80,0	80,0
24,0	82,0	82,0	73,0	80,0	80,0	80,0	80,0	80,0	80,0	80,0	76,0	78,0	78,0	78,0
26,0	80,0	80,0	66,0	78,0	78,0	78,0	78,0	78,0	78,0	78,0	68,0	76,0	76,0	76,0
28,0	77,0	77,0	59,0	76,0	76,0	76,0	76,0	76,0	76,0	76,0	61,0	74,0	74,0	74,0
30,0	75,0	75,0	53,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	55,0	73,0	73,0	73,0
32,0	72,0	72,0	48,0	71,0	72,0	72,0	72,0	72,0	72,0	72,0	50,0	71,0	71,0	71,0
34,0	70,0	70,0	43,5	65,0	70,0	70,0	70,0	70,0	70,0	70,0	45,0	69,0	69,0	69,0
36,0	68,0	68,0	39,0	60,0	68,0	68,0	68,0	68,0	68,0	68,0	40,5	65,0	67,0	67,0
38,0	66,0	66,0	35,5	55,0	66,0	66,0	66,0	66,0	66,0	66,0	37,0	60,0	65,0	65,0
40,0	64,0	64,0	32,0	51,0	64,0	64,0	64,0	64,0	64,0	64,0	33,0	56,0	64,0	64,0
44,0	61,0	61,0	25,6	43,0	61,0	61,0	61,0	61,0	61,0	61,0	26,9	47,5	61,0	61,0
48,0	58,0	58,0	20,4	36,5	53,0	58,0	58,0	58,0	58,0	58,0	21,6	41,0	57,0	57,0
52,0	55,0	55,0	16,0	31,0	46,0	55,0	55,0	55,0	55,0	55,0	17,1	35,0	53,0	55,0
56,0	52,0	52,0	12,1	26,2	40,5	52,0	52,0	52,0	52,0	52,0	13,1	29,8	46,5	52,0
60,0	50,0	50,0	8,7	21,9	35,0	48,5	50,0	50,0	50,0	50,0	9,7	25,4	41,0	50,0
64,0	48,0	48,0	5,7	18,2	30,5	43,0	48,0	48,0	48,0	48,0	6,6	21,4	36,0	47,5
68,0	46,0	46,0		14,8	26,6	38,5	46,0	46,0	46,0	46,0		17,9	32,0	44,5
72,0	44,5	44,5		11,9	23,1	34,5	44,0	44,5	44,5	44,5		14,7	28,0	41,5
76,0	42,5	42,5		9,2	19,8	30,5	41,0	42,5	42,5	42,5		11,9	24,6	37,0
80,0	41,0	41,5		6,7	16,9	27,1	37,5	41,0	41,5	41,5		9,4	21,4	33,5
84,0	40,0	40,5			14,3	24,0	33,5	39,0	40,5	40,5		7,0	18,6	30,0
88,0	38,5	39,0			11,9	21,2	30,5	37,5	39,0	39,0			16,0	27,0
92,0	36,5	37,5			9,7	18,6	27,5	35,0	37,5	38,0			13,6	24,2
96,0	33,0	36,0			7,6	16,3	24,7	32,0	36,0	37,0			11,4	21,7
100,0	30,0	34,5			5,8	14,1	21,9	29,1	34,5	36,0			9,4	19,3
104,0	27,0	33,0				12,0	19,2	26,0	33,0	35,5			7,6	16,8
108,0	24,4	30,0				9,9	16,8	23,5	30,0	34,5			5,9	14,6
112,0	22,1	27,6				8,3	14,6	21,1	27,4	33,0				12,3
* n *	5	5	5	5	5	5	5	5	5	5	5	5	5	5
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	350,0	0,0	50,0	100,0	150,0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 18°

108m

18m

150



t

65

t



22.01

	SL2DB 108m	F 18° 18m					
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22.01

	SL2DB 108m	F 32° 18m					
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22.01

	SL2DB 108m	F 32° 18m					
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22.01

	SL2DB 108m	F 32° 18m					
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

22.01

	SL2DB 108m	F 13° 24m					
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074548

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22.01

 m	 m > t													
	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0
22,0	75,0	75,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	72,0	72,0	72,0	72,0	72,0
24,0	73,0	73,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	70,0	70,0	70,0	70,0	70,0
26,0	71,0	71,0	65,0	70,0	70,0	70,0	70,0	70,0	70,0	67,0	68,0	68,0	68,0	68,0
28,0	69,0	69,0	58,0	68,0	68,0	68,0	68,0	68,0	68,0	60,0	66,0	66,0	66,0	66,0
30,0	66,0	66,0	53,0	66,0	66,0	66,0	66,0	66,0	66,0	54,0	64,0	64,0	64,0	64,0
32,0	64,0	64,0	47,5	64,0	64,0	64,0	64,0	64,0	64,0	49,5	63,0	63,0	63,0	63,0
34,0	62,0	62,0	43,0	62,0	62,0	62,0	62,0	62,0	62,0	44,5	61,0	61,0	61,0	61,0
36,0	60,0	60,0	39,0	60,0	60,0	60,0	60,0	60,0	60,0	40,5	59,0	59,0	59,0	59,0
38,0	58,0	58,0	35,0	55,0	57,0	57,0	57,0	57,0	57,0	36,5	57,0	57,0	57,0	57,0
40,0	55,0	55,0	31,5	51,0	55,0	55,0	55,0	55,0	55,0	33,0	55,0	55,0	55,0	55,0
44,0	52,0	52,0	25,7	43,0	52,0	52,0	52,0	52,0	52,0	27,0	47,5	52,0	52,0	52,0
48,0	49,0	49,0	20,6	36,5	49,0	49,0	49,0	49,0	49,0	21,8	41,0	49,0	49,0	49,0
52,0	46,0	46,0	16,2	31,0	46,0	46,0	46,0	46,0	46,0	17,3	35,0	46,0	46,0	46,0
56,0	43,5	43,5	12,4	26,4	40,5	43,5	43,5	43,5	43,5	13,5	30,0	43,5	43,5	43,5
60,0	41,5	41,5	9,1	22,2	35,5	41,5	41,5	41,5	41,5	10,1	25,6	41,0	41,5	41,5
64,0	39,0	39,0	6,1	18,5	31,0	39,0	39,0	39,0	39,0	7,0	21,7	36,5	39,0	39,0
68,0	37,5	37,5		15,2	27,0	37,0	37,5	37,5	37,5		18,3	32,0	37,5	37,5
72,0	36,0	36,0		12,3	23,4	34,5	36,0	36,0	36,0		15,2	28,4	36,0	36,0
76,0	34,5	34,5		9,6	20,2	31,0	34,5	34,5	34,5		12,4	24,9	34,5	34,5
80,0	33,0	33,0		7,3	17,4	27,5	33,0	33,0	33,0		9,9	21,8	32,5	33,0
84,0	31,5	31,5		5,1	14,8	24,4	31,0	31,5	31,5		7,6	19,0	30,0	31,5
88,0	30,5	30,5			12,4	21,6	29,1	30,5	30,5		5,5	16,5	27,5	30,5
92,0	29,4	29,4			10,2	19,1	27,2	29,4	29,4			14,1	24,7	29,4
96,0	28,3	28,3			8,2	16,8	25,2	28,2	28,3			12,0	22,1	28,1
100,0	27,3	27,5			6,4	14,6	22,7	26,9	27,5			10,0	19,8	26,5
104,0	26,3	26,7				12,6	20,2	25,5	26,7			8,2	17,6	24,8
108,0	25,2	25,9				10,5	17,6	24,2	26,0			6,5	15,4	23,2
112,0	23,0	25,3				8,9	15,5	21,9	25,3			5,0	13,2	21,0
116,0	20,7	24,6				7,4	13,4	19,7	24,6				11,2	18,9
* n *	5	5	5	5	5	5	5	5	5	5	5	5	5	5
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0	18,0
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	0,0	50,0	100,0	150,0	200,0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 13°

108m

24m

150


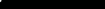
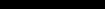
t

65




t



22.01

	SL2DB 108m	F 13° 24m					
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

22.01

	SL2DB 108m	F 18° 24m					
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074548

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22.01

 m	 m < t													
	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0
24,0	66,0	66,0	66,0	66,0	66,0	66,0	66,0	66,0	66,0	64,0	64,0	64,0	64,0	64,0
26,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0	63,0	63,0	63,0	63,0	63,0
28,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0
30,0	59,0	59,0	55,0	59,0	59,0	59,0	59,0	59,0	59,0	57,0	59,0	59,0	59,0	59,0
32,0	57,0	57,0	50,0	57,0	57,0	57,0	57,0	57,0	57,0	52,0	57,0	57,0	57,0	57,0
34,0	55,0	55,0	45,5	55,0	55,0	55,0	55,0	55,0	55,0	47,0	55,0	55,0	55,0	55,0
36,0	54,0	54,0	41,5	54,0	54,0	54,0	54,0	54,0	54,0	43,0	54,0	54,0	54,0	54,0
38,0	52,0	52,0	37,5	52,0	52,0	52,0	52,0	52,0	52,0	39,0	52,0	52,0	52,0	52,0
40,0	51,0	51,0	34,0	51,0	51,0	51,0	51,0	51,0	51,0	35,5	50,0	50,0	50,0	50,0
44,0	48,0	48,0	27,9	45,0	48,0	48,0	48,0	48,0	48,0	29,2	47,5	47,5	47,5	47,5
48,0	45,5	45,5	22,7	38,5	45,5	45,5	45,5	45,5	45,5	23,9	43,0	45,5	45,5	45,5
52,0	43,0	43,0	18,2	33,0	43,0	43,0	43,0	43,0	43,0	19,3	37,0	43,0	43,0	43,0
56,0	41,0	41,0	14,3	28,3	41,0	41,0	41,0	41,0	41,0	15,3	32,0	41,0	41,0	41,0
60,0	39,0	39,0	10,8	24,0	37,0	39,0	39,0	39,0	39,0	11,8	27,4	39,0	39,0	39,0
64,0	37,5	37,5	7,8	20,2	32,5	37,0	37,0	37,0	37,0	8,7	23,4	37,0	37,0	37,0
68,0	35,5	35,5	5,1	16,8	28,6	35,5	35,5	35,5	35,5	6,0	19,9	34,0	35,5	35,5
72,0	34,5	34,5		13,8	24,9	34,0	34,5	34,5	34,5		16,7	29,9	34,5	34,5
76,0	33,0	33,0		11,1	21,7	32,5	33,0	33,0	33,0		13,8	26,4	33,0	33,0
80,0	32,0	32,0		8,6	18,7	28,9	32,0	32,0	32,0		11,2	23,2	32,0	32,0
84,0	31,0	31,0		6,4	16,0	25,7	30,5	31,0	31,0		8,9	20,3	29,9	31,0
88,0	29,9	29,9			13,6	22,9	29,0	29,9	29,9		6,7	17,7	27,8	29,9
92,0	28,9	28,9			11,3	20,3	27,5	28,9	28,9			15,3	25,8	28,9
96,0	28,0	28,0			9,3	17,8	26,1	28,0	28,0			13,1	23,2	28,0
100,0	27,2	27,3			7,4	15,6	23,6	26,9	27,3			11,0	20,8	26,7
104,0	26,4	26,6			5,6	13,6	21,1	25,8	26,6			9,1	18,6	25,3
108,0	25,7	25,8				11,5	18,5	24,7	25,8			7,4	16,3	24,0
112,0	23,7	25,3				9,6	16,2	22,7	25,3			5,7	14,0	21,9
116,0	21,3	24,8				8,0	14,1	20,4	24,7				11,9	19,5
* n *	4	4	4	4	4	4	4	4	4	4	4	4	4	4
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0	18,0
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	0,0	50,0	100,0	150,0	200,0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 18°

108m

24m

150

t




65

t



yy m




22.01

	SL2DB 108m	F 18° 24m	 t	 t	 zz t yy m		
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074548

*** 201

22.01

 m	 m > < t													
	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0
28,0	40,5	40,5		40,5	40,5	40,5	40,5	40,5	40,5		40,5	40,5	40,5	40,5
30,0	39,5	39,5	39,5	39,5	39,5	39,5	39,5	39,5	39,5	39,5	39,5	39,5	39,5	39,5
32,0	39,0	39,0	39,0	39,0	39,0	39,0	39,0	39,0	39,0	38,5	38,5	38,5	38,5	38,5
34,0	38,0	38,0	38,0	38,0	38,0	38,0	38,0	38,0	38,0	38,0	38,0	38,0	38,0	38,0
36,0	37,5	37,5	37,0	37,0	37,0	37,0	37,0	37,0	37,0	37,0	37,0	37,0	37,0	37,0
38,0	36,5	36,5	36,5	36,5	36,5	36,5	36,5	36,5	36,5	36,5	36,5	36,5	36,5	36,5
40,0	36,0	36,0	35,5	35,5	35,5	35,5	35,5	35,5	35,5	35,5	35,5	35,5	35,5	35,5
44,0	34,5	34,5	31,0	34,5	34,5	34,5	34,5	34,5	34,5	34,5	32,5	34,0	34,0	34,0
48,0	33,0	33,0	25,6	33,0	33,0	33,0	33,0	33,0	33,0	26,8	33,0	33,0	33,0	33,0
52,0	32,0	32,0	20,8	32,0	32,0	32,0	32,0	32,0	32,0	21,9	32,0	32,0	32,0	32,0
56,0	31,0	31,0	16,7	30,5	31,0	31,0	31,0	31,0	31,0	17,7	31,0	31,0	31,0	31,0
60,0	29,9	29,9	13,0	26,2	29,9	29,9	29,9	29,9	29,9	14,0	29,6	29,9	29,9	29,9
64,0	29,1	29,1	9,8	22,2	29,0	29,0	29,0	29,0	29,0	10,7	25,4	29,0	29,0	29,0
68,0	28,2	28,2	6,9	18,7	28,2	28,2	28,2	28,2	28,2	7,8	21,7	28,1	28,1	28,1
72,0	27,5	27,5		15,5	26,6	27,4	27,4	27,4	27,4	5,1	18,3	27,3	27,4	27,4
76,0	26,8	26,8		12,6	23,2	26,8	26,8	26,8	26,8		15,3	26,5	26,8	26,8
80,0	26,2	26,2		10,0	20,1	26,2	26,2	26,2	26,2		12,6	24,6	26,2	26,2
84,0	25,6	25,6		7,6	17,3	25,5	25,6	25,6	25,6		10,1	21,6	25,6	25,6
88,0	25,2	25,2		5,4	14,7	23,4	25,2	25,2	25,2		7,8	18,8	24,9	25,2
92,0	24,7	24,7			12,3	21,3	24,7	24,7	24,7		5,7	16,3	24,2	24,7
96,0	24,2	24,2			10,2	18,7	24,2	24,2	24,2			14,0	23,6	24,2
100,0	23,9	23,9			8,1	16,4	23,0	23,9	23,9			11,8	21,6	23,9
104,0	23,7	23,7			6,3	14,2	20,9	23,7	23,7			9,8	19,3	23,6
108,0	23,5	23,5				12,2	18,8	23,5	23,5			7,9	16,9	23,4
112,0	22,9	23,3				10,0	16,7	22,6	23,3			6,2	14,5	22,3
* n *	3	3	3	3	3	3	3	3	3	3	3	3	3	3
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0	18,0
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	0,0	50,0	100,0	150,0	200,0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 30°

108m

24m

150

t




65

t



yy m

22.01

	SL2DB 108m	F 30° 24m					
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22.01

	SL2DB 108m	F 12° 30m					
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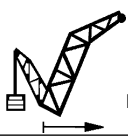


22.01

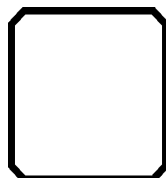
	SL2DB 108m	F 12° 30m					
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074548

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22.01

		$m > < t$			CODE > 1445 < B181 2B13.x(x)									
		m	108,0											
24,0	62,0													
26,0	60,0													
28,0	58,0													
30,0	57,0													
32,0	55,0													
34,0	54,0													
36,0	52,0													
38,0	50,0													
40,0	48,5													
44,0	45,5													
48,0	42,5													
52,0	40,0													
56,0	37,5													
60,0	35,5													
64,0	33,5													
68,0	31,5													
72,0	30,5													
76,0	29,0													
80,0	27,7													
84,0	26,4													
88,0	25,4													
92,0	24,4													
96,0	23,4													
100,0	22,5													
104,0	21,8													
108,0	21,1													
112,0	20,4													
116,0	19,9													
120,0	19,3													
124,0	18,9													
* n *	4													
yy	18.0													
zz	250.0													
	m/s	9,0												

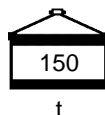


SL2DB

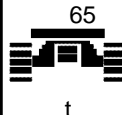
F 12°

108m

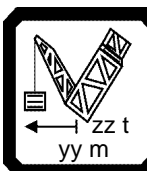
30m



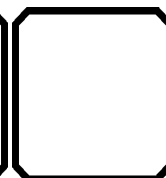
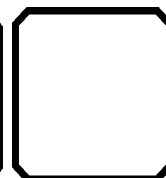
t




t



yy m






22.01

	SL2DB 108m	F 16° 30m					
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074548

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22.01

 m	 m > < t													
	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0
26,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0
28,0	52,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0
30,0	49,5	49,5	49,5	49,5	49,5	49,5	49,5	49,5	49,5	49,5	49,5	49,5	49,5	49,5
32,0	48,0	48,0	48,0	48,0	48,0	48,0	48,0	48,0	48,0	48,0	48,0	48,0	48,0	48,0
34,0	46,5	46,0	46,0	46,0	46,0	46,0	46,0	46,0	46,0	46,0	46,0	46,0	46,0	46,0
36,0	44,5	42,0	44,5	44,5	44,5	44,5	44,5	44,5	44,5	43,5	44,5	44,5	44,5	44,5
38,0	43,5	38,0	43,0	43,0	43,0	43,0	43,0	43,0	43,0	39,5	43,0	43,0	43,0	43,0
40,0	42,0	34,5	42,0	42,0	42,0	42,0	42,0	42,0	42,0	36,0	41,5	41,5	41,5	41,5
44,0	39,5	28,6	39,0	39,0	39,0	39,0	39,0	39,0	39,0	29,9	39,0	39,0	39,0	39,0
48,0	37,0	23,4	37,0	37,0	37,0	37,0	37,0	37,0	37,0	24,6	37,0	37,0	37,0	37,0
52,0	35,0	19,0	34,0	35,0	35,0	35,0	35,0	35,0	35,0	20,1	35,0	35,0	35,0	35,0
56,0	33,5	15,1	28,9	33,0	33,0	33,0	33,0	33,0	33,0	16,1	32,5	33,0	33,0	33,0
60,0	31,5	11,6	24,7	31,5	31,5	31,5	31,5	31,5	31,5	12,6	28,1	31,5	31,5	31,5
64,0	30,0	8,6	20,9	30,0	30,0	30,0	30,0	30,0	30,0	9,5	24,1	30,0	30,0	30,0
68,0	28,7	5,9	17,6	28,7	28,7	28,7	28,7	28,7	28,7	6,8	20,6	28,7	28,7	28,7
72,0	27,4		14,6	25,6	27,4	27,4	27,4	27,4	27,4		17,4	27,3	27,4	27,4
76,0	26,4		11,8	22,4	26,3	26,4	26,4	26,4	26,4		14,6	26,1	26,3	26,3
80,0	25,3		9,4	19,4	25,3	25,3	25,3	25,3	25,3		12,0	23,9	25,3	25,3
84,0	24,2		7,1	16,8	24,2	24,2	24,2	24,2	24,2		9,6	21,0	24,2	24,2
88,0	23,4		5,1	14,3	22,6	23,3	23,4	23,4	23,4		7,5	18,4	23,3	23,3
92,0	22,6			12,1	20,7	22,6	22,6	22,6	22,6		5,5	16,0	22,6	22,6
96,0	21,8			10,0	18,5	21,8	21,8	21,8	21,8			13,8	21,8	21,8
100,0	21,1			8,1	16,3	21,1	21,1	21,1	21,1			11,7	21,1	21,1
104,0	20,5			6,3	14,2	19,8	20,5	20,5	20,5			9,8	19,2	20,5
108,0	20,0				12,3	18,2	20,0	20,0	20,0			8,1	17,1	20,0
112,0	19,4				10,6	16,7	19,4	19,4	19,4			6,4	14,9	19,4
116,0	18,9				8,7	15,0	18,9	18,9	18,9				12,8	18,8
120,0	18,5				7,2	13,0	18,5	18,5	18,5				10,7	18,2
124,0	17,5				6,0	11,0	16,9	17,6	17,6				9,2	16,3
* n *	3	3	3	3	3	3	3	3	3	3	3	3	3	3
yy	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0	18,0
zz	300,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	0,0	50,0	100,0	150,0	200,0	250,0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 16°

108m

30m

150

t




65

t



yy m

22.01

	SL2DB 108m	F 28° 30m					
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22.01




The diagram shows a crane system with the following components and labels:

- SL2DB**: Label for the crane structure.
- 108m**: Dimension for the crane structure.
- F 28°**: Angle of the crane structure.
- 30m**: Dimension for the crane structure.
- 150**: Label for the crane structure.
- 65**: Label for the crane structure.
- zz t**: Label for the crane structure.
- yy m**: Label for the crane structure.

22.01

	SL2DB 108m	F 10° 36m					
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22.01

	SL2DB 108m	F 10° 36m					
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22.01

	SL2DB 108m	F 14° 36m					
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22.01

The diagram shows a crane system layout. On the left is a table with two columns and two rows. The first column contains 'SL2DB' and '108m'. The second column contains 'F 14°' and '36m'. To the right of the table are three icons: a crane hook with '150' below it and 't' below that; a crane hook with '65' above it and 't' below that; and a crane hook with 'zz t' and 'yy m' below it. The entire diagram is enclosed in a rounded rectangular border.




22.01

	SL2DB 108m	F 26° 36m					
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22.01

 m	 m > t													
	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0
18,0	91,0	117,0	118,0	118,0	118,0	118,0	118,0	118,0	118,0	94,0	117,0	117,0	117,0	117,0
20,0	80,0	104,0	117,0	117,0	117,0	117,0	117,0	117,0	117,0	82,0	112,0	115,0	115,0	115,0
22,0	70,0	92,0	114,0	116,0	116,0	116,0	116,0	116,0	116,0	73,0	101,0	114,0	114,0	114,0
24,0	62,0	83,0	103,0	115,0	115,0	115,0	115,0	115,0	115,0	65,0	90,0	112,0	112,0	112,0
26,0	55,0	75,0	94,0	113,0	113,0	113,0	113,0	113,0	113,0	57,0	82,0	106,0	110,0	110,0
28,0	49,0	67,0	85,0	103,0	112,0	112,0	112,0	112,0	112,0	51,0	74,0	97,0	108,0	108,0
30,0	44,0	61,0	78,0	95,0	109,0	109,0	109,0	109,0	109,0	45,5	67,0	88,0	106,0	106,0
32,0	39,0	55,0	71,0	87,0	103,0	107,0	107,0	107,0	107,0	40,5	61,0	81,0	102,0	103,0
34,0	34,5	50,0	65,0	80,0	96,0	105,0	105,0	105,0	105,0	36,0	55,0	75,0	94,0	101,0
36,0	30,5	45,0	60,0	74,0	89,0	102,0	102,0	102,0	102,0	32,0	51,0	69,0	87,0	99,0
38,0	27,1	41,0	55,0	69,0	82,0	96,0	100,0	100,0	100,0	28,6	46,0	64,0	81,0	95,0
40,0	23,9	37,0	50,0	64,0	77,0	90,0	97,0	98,0	98,0	25,3	42,0	59,0	75,0	92,0
44,0	18,2	30,5	42,5	55,0	67,0	79,0	91,0	94,0	94,0	19,5	35,0	50,0	66,0	81,0
48,0	13,4	24,6	36,0	47,0	58,0	70,0	81,0	89,0	89,0	14,6	28,8	43,0	57,0	71,0
52,0	9,3	19,7	30,0	40,5	51,0	62,0	72,0	81,0	81,0	10,4	23,6	37,0	50,0	63,0
56,0	5,7	15,5	25,3	35,0	45,0	55,0	64,0	74,0	74,0	6,7	19,1	31,5	44,0	56,0
60,0		11,8	21,0	30,0	39,5	48,5	58,0	67,0	67,0		15,2	26,8	38,5	50,0
64,0		8,5	17,2	25,8	34,5	43,0	52,0	60,0	60,0		11,7	22,6	33,5	44,5
68,0		5,6	13,8	22,0	30,0	38,5	46,5	55,0	55,0		8,6	19,0	29,3	39,5
72,0			10,8	18,6	26,3	34,0	42,0	48,5	48,5		5,8	15,7	25,5	35,5
76,0			8,1	15,5	22,9	30,5	37,5	44,0	44,0			12,7	22,1	31,5
80,0			5,6	12,7	19,8	26,9	34,0	40,0	40,0			10,1	19,0	27,9
84,0				10,2	17,0	23,7	30,0	35,5	35,5			7,7	16,2	24,8
88,0				7,9	14,4	20,8	26,3	31,5	31,5			5,5	13,7	21,9
92,0				5,8	12,1	18,0	23,3	28,5	28,5				11,4	19,2
96,0					9,9	15,3	20,5	25,6	25,6				9,3	16,8
100,0					8,0	12,6	17,8	22,6	22,6				7,4	14,1
104,0					6,2	10,4	15,3	19,9	19,9				5,6	11,7
108,0						8,6	13,0	17,5	17,5					9,5
112,0						7,1	10,8	15,4	15,4					8,0
* n *	6	7	7	7	7	7	7	7	7	6	7	7	7	7
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	350.0	0.0	50.0	100.0	150.0	200.0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 11°

114m

12m

150

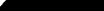
t

65

t



22.01

	SL2DB 114m	F 11° 12m					
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22.01

	SL2DB 114m	F 11° 12m					
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22.01

	SL2DB 114m	F 16° 12m					
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22.01

	SL2DB 114m	F 16° 12m					
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

22.01

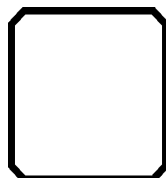
	SL2DB 114m	F 16° 12m					
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074548

*** 201

22.01

 m	 m > < t														CODE > 1453 < B181 2C20.x(x)	
	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0
22,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0
24,0	69,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0
26,0	61,0	70,0	70,0	70,0	70,0	70,0	70,0	70,0	70,0	63,0	70,0	70,0	70,0	70,0	70,0	70,0
28,0	55,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0	57,0	68,0	68,0	68,0	68,0	68,0	68,0
30,0	49,0	66,0	67,0	67,0	67,0	67,0	67,0	67,0	67,0	51,0	67,0	67,0	67,0	67,0	67,0	67,0
32,0	44,0	60,0	66,0	66,0	66,0	66,0	66,0	66,0	66,0	45,5	65,0	65,0	65,0	65,0	65,0	65,0
34,0	39,0	55,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0	41,0	60,0	64,0	64,0	64,0	64,0	64,0
36,0	35,0	49,5	63,0	63,0	63,0	63,0	63,0	63,0	63,0	36,5	55,0	63,0	63,0	63,0	63,0	63,0
38,0	31,5	45,0	59,0	62,0	62,0	62,0	62,0	62,0	62,0	33,0	50,0	62,0	62,0	62,0	62,0	62,0
40,0	27,9	41,0	54,0	61,0	61,0	61,0	61,0	61,0	61,0	29,3	46,0	60,0	61,0	61,0	61,0	61,0
44,0	21,9	34,0	46,0	58,0	59,0	59,0	59,0	59,0	59,0	23,2	38,5	54,0	59,0	59,0	59,0	59,0
48,0	16,8	28,0	39,5	51,0	57,0	57,0	57,0	57,0	57,0	18,0	32,0	46,5	57,0	57,0	57,0	57,0
52,0	12,4	22,9	33,5	44,0	54,0	55,0	55,0	55,0	55,0	13,5	26,8	40,0	53,0	55,0	55,0	55,0
56,0	8,6	18,4	28,2	38,0	48,0	53,0	54,0	54,0	54,0	9,6	22,0	34,5	47,0	53,0	53,0	53,0
60,0	5,3	14,5	23,7	33,0	42,0	51,0	52,0	52,0	52,0	6,2	17,9	29,5	41,0	52,0	52,0	52,0
64,0		11,0	19,7	28,4	37,0	45,5	49,5	50,0	50,0		14,2	25,2	36,0	47,0	50,0	50,0
68,0		7,9	16,1	24,3	32,5	41,0	46,0	48,5	48,5		10,9	21,3	31,5	42,0	47,5	47,5
72,0		5,2	13,0	20,8	28,5	36,5	42,5	47,0	47,0		8,0	17,9	27,7	37,5	45,5	45,5
76,0			10,1	17,5	24,9	32,5	39,5	45,5	45,5		5,4	14,8	24,1	33,5	43,0	43,0
80,0			7,5	14,6	21,7	28,7	35,5	41,5	41,5			12,0	20,9	29,8	39,0	39,0
84,0			5,2	11,9	18,7	25,5	32,0	37,5	37,5			9,4	18,0	26,5	35,0	35,0
88,0				9,5	16,0	22,5	28,1	33,5	33,5			7,1	15,3	23,5	31,5	31,5
92,0				7,3	13,5	19,4	24,6	29,9	29,9			5,0	12,8	20,7	27,7	27,7
96,0				5,3	11,3	16,7	21,8	26,9	26,9				10,6	18,2	24,8	24,8
100,0					9,2	14,0	19,0	23,9	23,9				8,5	15,4	21,9	21,9
104,0					7,1	11,4	16,3	21,0	21,0				6,6	12,8	19,1	19,1
* n *	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	250.0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

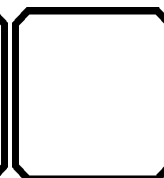
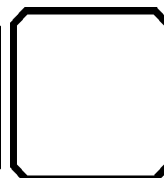
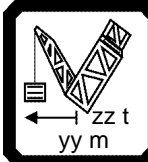
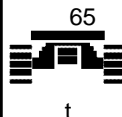
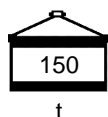


SL2DB

F 31°

114m



12m



074548

*** 201

22.01

	m	CODE > 1453 < B181 2C20.x(x)													
		114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0
22,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0
24,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	70,0	70,0	70,0	70,0	70,0
26,0	70,0	70,0	65,0	69,0	69,0	69,0	69,0	69,0	69,0	69,0	67,0	69,0	69,0	69,0	69,0
28,0	68,0	68,0	58,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0	60,0	67,0	67,0	67,0	67,0
30,0	67,0	67,0	52,0	66,0	66,0	66,0	66,0	66,0	66,0	66,0	54,0	66,0	66,0	66,0	66,0
32,0	65,0	65,0	47,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	48,5	65,0	65,0	65,0	65,0
34,0	64,0	64,0	42,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0	43,5	64,0	64,0	64,0	64,0
36,0	63,0	63,0	37,5	59,0	63,0	63,0	63,0	63,0	63,0	63,0	39,5	62,0	62,0	62,0	62,0
38,0	62,0	62,0	34,0	54,0	61,0	61,0	61,0	61,0	61,0	61,0	35,5	59,0	61,0	61,0	61,0
40,0	61,0	61,0	30,5	49,5	60,0	60,0	60,0	60,0	60,0	60,0	31,5	54,0	60,0	60,0	60,0
44,0	59,0	59,0	24,1	41,5	58,0	58,0	58,0	58,0	58,0	58,0	25,4	46,0	58,0	58,0	58,0
48,0	57,0	57,0	18,8	35,0	51,0	57,0	57,0	57,0	57,0	57,0	20,0	39,0	56,0	56,0	56,0
52,0	55,0	55,0	14,3	29,3	44,5	54,0	55,0	55,0	55,0	55,0	15,4	33,5	51,0	55,0	55,0
56,0	53,0	53,0	10,3	24,4	38,5	52,0	53,0	53,0	53,0	53,0	11,4	28,1	45,0	53,0	53,0
60,0	52,0	52,0	6,9	20,1	33,5	46,5	52,0	52,0	52,0	52,0	7,9	23,6	39,5	52,0	52,0
64,0	51,0	51,0		16,3	28,8	41,5	49,5	50,0	50,0	50,0		19,6	34,5	49,0	49,0
68,0	49,5	49,5		13,0	24,8	36,5	46,5	49,5	49,5	49,5		16,0	30,0	44,0	44,0
72,0	48,5	48,5		9,9	21,2	32,5	43,5	48,5	48,5	48,5		12,8	26,1	39,5	39,5
76,0	47,5	47,5		7,2	17,9	28,6	39,5	47,5	47,5	47,5		10,0	22,6	35,5	35,5
80,0	44,0	46,0			14,9	25,1	35,5	43,5	46,0	46,5		7,4	19,5	31,5	31,5
84,0	41,0	44,5			12,3	22,0	32,0	40,0	44,5	46,0		5,0	16,6	28,1	28,1
88,0	37,5	43,0			9,8	19,2	28,5	36,5	43,0	45,0			14,0	25,0	25,0
92,0	34,5	41,0			7,6	16,6	25,5	33,0	41,0	44,0			11,6	22,2	22,2
96,0	31,0	37,5			5,6	14,2	22,7	30,0	37,5	42,0			9,4	19,6	19,6
100,0	28,0	34,0				12,0	19,8	27,0	34,0	40,0			7,3	17,2	17,2
104,0	25,0	31,0				9,7	17,0	24,0	30,5	37,5			5,5	14,6	14,6
* n *	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0	18,0
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	350,0	0,0	50,0	100,0	150,0	150,0
	m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 31°

114m

12m

150



t

65

t



22.01

	SL2DB 114m	F 31° 12m					
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22.01

	SL2DB 114m	F 13° 18m					
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
22.01

	SL2DB 114m	F 13° 18m					
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22.01

	SL2DB 114m	F 13° 18m					
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22.01

	SL2DB 114m	F 18° 18m					
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22.01

	SL2DB 114m	F 18° 18m					
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22.01

	SL2DB 114m	F 18° 18m					
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22.01

	SL2DB 114m	F 32° 18m					
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22.01

	SL2DB 114m	F 32° 18m	 t	 t	 zz t yy m		
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22.01

	SL2DB 114m	F 32° 18m					
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22.01

	SL2DB 114m	F 13° 24m					
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22.01

	SL2DB 114m	F 13° 24m					
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

22.01

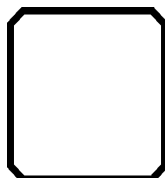
	SL2DB 114m	F 13° 24m					
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074548

*** 201

22.01

 m	 m > < t														CODE > 1458 < B181 2C17.x(x)	
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26,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0
28,0	56,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	58,0	61,0	61,0	61,0	61,0	61,0	61,0
30,0	50,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	52,0	60,0	60,0	60,0	60,0	60,0	60,0
32,0	45,5	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	47,0	58,0	58,0	58,0	58,0	58,0	58,0
34,0	41,0	56,0	56,0	56,0	56,0	56,0	56,0	56,0	56,0	42,5	56,0	56,0	56,0	56,0	56,0	56,0
36,0	37,0	51,0	55,0	55,0	55,0	55,0	55,0	55,0	55,0	38,5	54,0	54,0	54,0	54,0	54,0	54,0
38,0	33,5	47,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	35,0	52,0	53,0	53,0	53,0	53,0	53,0
40,0	30,0	43,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0	31,5	48,0	51,0	51,0	51,0	51,0	51,0
44,0	24,2	36,0	48,0	48,5	48,5	48,5	48,5	48,5	48,5	25,4	40,5	48,5	48,5	48,5	48,5	48,5
48,0	19,2	30,0	41,5	46,5	46,5	46,5	46,5	46,5	46,5	20,4	34,5	46,0	46,0	46,0	46,0	46,0
52,0	14,9	25,2	35,5	44,0	44,0	44,0	44,0	44,0	44,0	16,0	29,0	42,0	43,5	43,5	43,5	43,5
56,0	11,1	20,8	30,5	40,0	41,5	41,5	41,5	41,5	41,5	12,2	24,3	36,5	41,5	41,5	41,5	41,5
60,0	7,8	16,9	26,0	35,0	40,0	40,0	40,0	40,0	40,0	8,8	20,2	31,5	40,0	40,0	40,0	40,0
64,0		13,5	22,0	30,5	38,0	38,0	38,0	38,0	38,0	5,8	16,6	27,4	38,0	38,0	38,0	38,0
68,0		10,4	18,5	26,6	34,5	36,5	36,5	36,5	36,5		13,4	23,6	34,0	36,5	36,5	36,5
72,0		7,7	15,4	23,1	31,0	34,5	35,0	35,0	35,0		10,5	20,2	29,9	34,5	35,0	35,0
76,0		5,2	12,5	19,9	27,2	32,5	34,0	34,0	34,0		7,9	17,2	26,4	33,0	34,0	34,0
80,0			10,0	17,0	23,9	30,5	32,5	32,5	32,5		5,5	14,4	23,2	31,5	32,5	32,5
84,0			7,6	14,3	21,0	27,7	31,5	31,5	31,5			11,8	20,3	28,7	31,5	31,5
88,0			5,5	11,9	18,3	24,7	29,0	30,0	30,0			9,5	17,6	25,7	29,6	29,6
92,0				9,7	15,8	22,0	26,5	28,8	28,8			7,4	15,2	22,9	27,9	27,9
96,0				7,6	13,6	19,5	24,0	27,6	27,6			5,4	12,9	20,4	26,1	26,1
100,0				5,7	11,4	16,7	21,5	26,3	26,3				10,8	18,0	24,4	24,4
104,0					9,5	14,4	19,2	23,9	23,9				8,9	15,7	21,9	21,9
108,0					7,7	12,2	16,8	21,3	21,3				7,1	13,4	19,5	19,5
112,0					6,0	9,9	14,4	18,8	18,8				5,5	11,0	17,0	17,0
116,0						8,2	12,2	16,5	16,5					9,2	14,8	14,8
120,0						6,8	10,1	14,4	14,4					7,7	12,7	12,7
124,0						5,4	8,6	12,4	12,4					6,3	10,6	10,6
* n *	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	250.0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

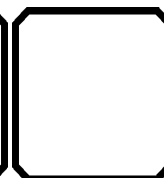
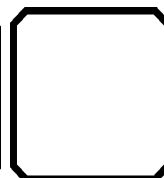
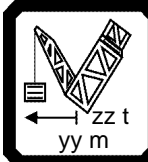
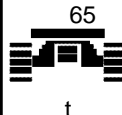
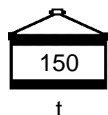


SL2DB

F 18°

114m

24m



22.01

	SL2DB 114m	F 18° 24m					
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22.01

	SL2DB 114m	F 18° 24m					
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22.01

The diagram shows a crane system with the following components and labels:

- SL2DB**: Label for the first component.
- 114m**: Dimension for the first component.
- F 30°**: Angle for the second component.
- 24m**: Dimension for the second component.
- 150**: Label for the third component.
- t**: Label for the third component.
- 65**: Label for the fourth component.
- t**: Label for the fourth component.
- zz t**: Label for the fifth component.
- yy m**: Dimension for the fifth component.

22.01

	SL2DB 114m	F 30° 24m					
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
22.01

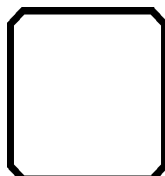
	SL2DB 114m	F 30° 24m					
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074548

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22.01

	 $m > < t$													
	CODE > 1460 < B181 2C13.x(x)													
m	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0
24,0		61,0	61,0	61,0	61,0	61,0	61,0	61,0	60,0	60,0	60,0	60,0	60,0	60,0
26,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	59,0	59,0	59,0	59,0	59,0	59,0
28,0	54,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	56,0	58,0	58,0	58,0	58,0	58,0
30,0	49,0	57,0	57,0	57,0	57,0	57,0	57,0	57,0	51,0	57,0	57,0	57,0	57,0	57,0
32,0	44,0	56,0	56,0	56,0	56,0	56,0	56,0	56,0	45,5	56,0	56,0	56,0	56,0	56,0
34,0	39,5	54,0	55,0	55,0	55,0	55,0	55,0	55,0	41,5	54,0	54,0	54,0	54,0	54,0
36,0	36,0	50,0	53,0	53,0	53,0	53,0	53,0	53,0	37,5	53,0	53,0	53,0	53,0	53,0
38,0	32,5	45,5	51,0	51,0	51,0	51,0	51,0	51,0	34,0	51,0	51,0	51,0	51,0	51,0
40,0	29,1	42,0	50,0	50,0	50,0	50,0	50,0	50,0	30,5	46,5	49,0	49,5	49,5	49,5
44,0	23,4	35,5	46,5	46,5	46,5	46,5	46,5	46,5	24,7	39,5	46,0	46,0	46,0	46,0
48,0	18,6	29,6	40,5	44,0	44,0	44,0	44,0	44,0	19,8	33,5	43,5	43,5	43,5	43,5
52,0	14,4	24,7	35,0	41,0	41,0	41,0	41,0	41,0	15,5	28,4	41,0	41,0	41,0	41,0
56,0	10,8	20,4	29,9	38,5	38,5	38,5	38,5	38,5	11,8	23,9	36,0	38,0	38,0	38,0
60,0	7,6	16,6	25,6	34,5	36,5	36,5	36,5	36,5	8,6	19,9	31,5	36,0	36,5	36,5
64,0		13,3	21,8	30,5	34,5	34,5	34,5	34,5	5,7	16,4	27,2	34,5	34,5	34,5
68,0		10,3	18,4	26,4	32,5	32,5	32,5	32,5		13,3	23,4	32,5	32,5	32,5
72,0		7,7	15,3	22,9	30,5	31,0	31,0	31,0		10,5	20,1	29,8	31,0	31,0
76,0		5,3	12,5	19,8	27,1	29,7	29,7	29,7		7,9	17,1	26,3	29,7	29,7
80,0			10,0	17,0	23,9	28,5	28,5	28,5		5,6	14,4	23,2	28,4	28,4
84,0			7,7	14,4	21,0	27,2	27,2	27,2			11,9	20,3	27,2	27,2
88,0			5,7	12,0	18,4	24,8	25,9	26,0			9,7	17,7	25,7	26,0
92,0				9,9	16,0	22,1	24,3	25,1			7,6	15,3	23,0	25,1
96,0				7,9	13,7	19,6	22,7	24,2			5,7	13,1	20,5	24,2
100,0				6,0	11,7	17,4	21,1	23,3				11,1	18,2	23,3
104,0					9,6	14,7	19,5	22,3				9,2	16,1	22,3
108,0					8,0	12,8	17,2	20,5				7,4	14,0	20,0
112,0					6,4	10,8	15,0	18,7				5,8	12,0	17,7
116,0						8,9	12,8	16,9					9,9	15,4
120,0						7,2	10,8	15,0					8,2	13,3
124,0						5,9	9,1	13,1					6,9	11,3
128,0							7,8	11,2					5,6	9,7
* n *	4	4	4	4	4	4	4	4	4	4	4	4	4	4
yy	10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0	13,0	13,0	13,0	13,0	13,0	13,0
zz	0,0	50,0	100,0	150,0	200,0	250,0	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0
m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

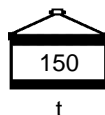


SL2DB

114m

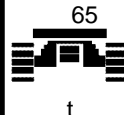
F 12°

30m



150

t



65

t






zz t




yy m

22.01

SL2DB	F 12°
114m	30m




22.01

	SL2DB 114m	F 16° 30m					
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074548

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22.01

 m	 m > t													
	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0
28,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	50,0	50,0	50,0
30,0	49,5	49,5	49,5	49,5	49,5	49,5	49,5	49,5	49,5	49,5	49,5	49,0	49,0	49,0
32,0	48,0	48,0	48,0	48,0	48,0	48,0	48,0	48,0	48,0	48,0	48,0	47,5	47,5	47,5
34,0	46,5	46,5	44,5	46,5	46,5	46,5	46,5	46,5	46,5	46,5	46,5	46,0	46,0	46,0
36,0	45,0	45,0	40,0	45,0	45,0	45,0	45,0	45,0	45,0	45,0	45,0	41,5	44,5	44,5
38,0	44,0	44,0	36,5	43,5	43,5	43,5	43,5	43,5	43,5	43,5	43,5	38,0	43,5	43,5
40,0	42,5	42,5	33,0	42,5	42,5	42,5	42,5	42,5	42,5	42,5	42,5	34,5	42,0	42,0
44,0	40,0	40,0	27,0	39,5	39,5	39,5	39,5	39,5	39,5	39,5	39,5	28,3	39,5	39,5
48,0	37,5	37,5	21,9	37,5	37,5	37,5	37,5	37,5	37,5	37,5	37,5	23,1	37,5	37,5
52,0	36,0	36,0	17,5	32,0	35,5	35,5	35,5	35,5	35,5	35,5	35,5	18,6	35,5	35,5
56,0	34,0	34,0	13,6	27,4	34,0	34,0	34,0	34,0	34,0	34,0	34,0	14,7	31,0	33,5
60,0	32,0	32,0	10,3	23,2	32,0	32,0	32,0	32,0	32,0	32,0	32,0	11,2	26,6	32,0
64,0	31,0	31,0	7,3	19,5	30,5	30,5	30,5	30,5	30,5	30,5	30,5	8,2	22,6	30,5
68,0	29,4	29,4		16,1	27,7	29,3	29,3	29,3	29,3	29,3	29,3	5,4	19,1	29,3
72,0	28,0	28,0		13,2	24,2	27,9	27,9	27,9	27,9	27,9	27,9		16,0	27,9
76,0	26,9	26,9		10,5	20,9	26,8	26,8	26,8	26,8	26,8	26,8		13,2	25,6
80,0	25,9	25,9		8,0	18,0	25,8	25,8	25,8	25,8	25,8	25,8		10,6	22,4
84,0	24,8	24,8		5,8	15,4	24,8	24,8	24,8	24,8	24,8	24,8		8,3	19,6
88,0	23,8	23,8			12,9	22,1	23,8	23,8	23,8	23,8	23,8		6,1	17,0
92,0	23,1	23,1			10,7	19,5	22,9	23,1	23,1	23,1	23,1			14,6
96,0	22,4	22,4			8,6	17,1	22,0	22,4	22,4	22,4	22,4			12,4
100,0	21,7	21,7			6,7	14,9	21,1	21,7	21,7	21,7	21,7			10,3
104,0	20,9	20,9			5,0	12,9	20,2	20,9	20,9	20,9	20,9			8,5
108,0	20,4	20,4				11,0	18,3	20,3	20,4	20,4	20,4			6,7
112,0	19,9	19,9				9,2	16,1	19,6	19,9	19,9	19,9			5,1
116,0	19,4	19,4				7,6	13,9	18,9	19,4	19,4	19,4			
120,0	18,6	18,9				6,0	11,8	17,9	18,9	18,9	18,9			9,5
124,0	16,8	18,5					9,8	15,9	18,5	18,5	18,5			8,2
128,0	14,9	17,9					8,4	14,0	17,5	17,9	17,9			6,8
* n *	3	3	3	3	3	3	3	3	3	3	3	3	3	3
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	350,0	0,0	50,0	100,0	150,0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 16°

114m

30m

150

t

65

t



22.01

The diagram shows a crane system with a table of parameters and three schematic views. The table contains the following data:

SL2DB	F 16°
114m	30m




The three schematic views are:

- A side view of a crane hook with a load of 150 and a distance t .
- A top view of a crane hook with a load of 65 and a distance t .
- A perspective view of a crane hook with a load of 65 and distances zz and yy marked.

22.01

	SL2DB 114m	F 28° 30m					
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22.01

	SL2DB 114m	F 28° 30m					
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22.01

	SL2DB 114m	F 10° 36m					
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22.01

	SL2DB 114m	F 10° 36m					
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22.01

	SL2DB 114m	F 14° 36m					
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22.01

	SL2DB 114m	F 14° 36m	 t	 t	 zz t yy m		
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22.01


The diagram shows a crane system with the following components and labels:

- SL2DB**: Label for the crane structure.
- 114m**: Dimension for the length of the crane structure.
- F 26°**: Angle of the crane structure.
- 36m**: Dimension for the height of the crane structure.
- 150**: Label for the crane structure.
- 65**: Label for the crane structure.
- zz t**: Label for the crane structure.
- yy m**: Dimension for the height of the crane structure.


22.01

	SL2DB 120m	F 11° 12m					
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22.01

	SL2DB 120m	F 11° 12m					
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22.01

	SL2DB 120m	F 11° 12m					
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22.01

	m	CODE > 1467 < B181 2D15.x(x)													
		120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0
20,0	79,0	101,0	101,0	101,0	101,0	101,0	101,0	101,0	101,0	81,0	100,0	100,0	100,0	100,0	100,0
22,0	69,0	91,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	72,0	99,0	99,0	99,0	99,0	99,0
24,0	61,0	82,0	99,0	99,0	99,0	99,0	99,0	99,0	99,0	64,0	89,0	98,0	98,0	98,0	98,0
26,0	54,0	73,0	92,0	98,0	98,0	98,0	98,0	98,0	98,0	57,0	80,0	97,0	97,0	97,0	97,0
28,0	48,5	66,0	84,0	98,0	98,0	98,0	98,0	98,0	98,0	50,0	73,0	95,0	95,0	95,0	95,0
30,0	43,0	60,0	76,0	93,0	96,0	96,0	96,0	96,0	96,0	45,0	66,0	87,0	94,0	94,0	94,0
32,0	38,0	54,0	70,0	86,0	95,0	95,0	95,0	95,0	95,0	40,0	60,0	80,0	92,0	92,0	92,0
34,0	34,0	49,0	64,0	79,0	94,0	94,0	94,0	94,0	94,0	35,5	54,0	74,0	91,0	91,0	91,0
36,0	29,9	44,0	59,0	73,0	87,0	93,0	93,0	93,0	93,0	31,5	49,5	68,0	86,0	89,0	89,0
38,0	26,3	40,0	54,0	67,0	81,0	91,0	91,0	91,0	91,0	27,8	45,0	62,0	80,0	87,0	87,0
40,0	23,1	36,0	49,5	62,0	75,0	87,0	89,0	89,0	89,0	24,5	41,0	58,0	74,0	85,0	86,0
44,0	17,5	29,5	41,5	54,0	66,0	78,0	85,0	86,0	86,0	18,7	34,0	49,0	64,0	80,0	83,0
48,0	12,6	23,8	35,0	46,0	57,0	68,0	80,0	83,0	83,0	13,8	27,9	42,0	56,0	70,0	80,0
52,0	8,5	18,9	29,3	39,5	50,0	60,0	71,0	78,0	78,0	9,6	22,7	36,0	49,0	62,0	75,0
56,0		14,6	24,4	34,0	44,0	53,0	63,0	72,0	72,0	6,0	18,2	30,5	42,5	55,0	67,0
60,0		10,9	20,0	29,2	38,5	47,5	57,0	65,0	65,0		14,3	25,8	37,5	49,0	60,0
64,0		7,6	16,2	24,8	33,5	42,0	51,0	59,0	59,0		10,8	21,7	32,5	43,5	54,0
68,0			12,9	21,0	29,2	37,5	45,5	54,0	54,0		7,7	18,0	28,3	38,5	49,0
72,0			9,8	17,6	25,3	33,0	41,0	48,5	48,5			14,7	24,5	34,0	44,0
76,0			7,1	14,5	21,8	29,2	36,5	43,0	43,0			11,8	21,1	30,5	39,5
80,0				11,7	18,7	25,8	33,0	38,5	38,5			9,1	18,0	26,8	35,5
84,0				9,2	15,9	22,6	29,3	35,0	35,0			6,7	15,2	23,7	32,0
88,0				6,9	13,3	19,8	25,8	31,5	31,5				12,6	20,8	28,9
92,0					11,0	17,0	22,3	27,6	27,6				10,3	18,1	25,4
96,0					8,8	14,4	19,5	24,6	24,6				8,2	15,7	22,5
100,0					6,8	12,1	16,9	21,8	21,8				6,2	13,4	19,8
104,0					5,0	9,8	14,3	19,1	19,1					10,9	17,2
108,0						7,7	11,8	16,5	16,5					8,7	14,6
112,0						6,2	9,8	14,3	14,3					7,1	12,3
116,0							8,2	12,1	12,1					5,7	10,4
* n *	5	6	6	6	6	6	6	6	6	5	6	6	6	6	6
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
	m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

120m

F 16°

12m

150

t

65

t



22.01

	SL2DB 120m	F 16° 12m					
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22.01

	SL2DB 120m	F 16° 12m	 t	 t	 zz t yy m		
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

22.01

	SL2DB 120m	F 31° 12m					
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074548

*** 201

22.01

 m	 m > < t CODE > 1468 < B181 2D20.x(x)													
	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0
22,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0		72,0	72,0	72,0
24,0	71,0	71,0	70,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	70,0	70,0	70,0	70,0
26,0	70,0	70,0	63,0	70,0	70,0	70,0	70,0	70,0	70,0	70,0	65,0	69,0	69,0	69,0
28,0	68,0	68,0	56,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0	58,0	68,0	68,0	68,0
30,0	67,0	67,0	50,0	67,0	67,0	67,0	67,0	67,0	67,0	67,0	52,0	66,0	66,0	66,0
32,0	66,0	66,0	45,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	46,5	65,0	65,0	65,0
34,0	65,0	65,0	40,5	62,0	64,0	64,0	64,0	64,0	64,0	64,0	42,0	64,0	64,0	64,0
36,0	63,0	63,0	36,0	57,0	63,0	63,0	63,0	63,0	63,0	63,0	37,5	62,0	63,0	63,0
38,0	62,0	62,0	32,5	52,0	62,0	62,0	62,0	62,0	62,0	62,0	34,0	57,0	62,0	62,0
40,0	61,0	61,0	28,8	47,5	61,0	61,0	61,0	61,0	61,0	61,0	30,0	53,0	61,0	61,0
44,0	59,0	59,0	22,7	40,0	57,0	59,0	59,0	59,0	59,0	59,0	24,0	44,5	59,0	59,0
48,0	57,0	57,0	17,5	33,5	49,5	57,0	57,0	57,0	57,0	57,0	18,7	37,5	57,0	57,0
52,0	56,0	56,0	13,0	28,0	43,0	55,0	55,0	55,0	55,0	55,0	14,1	32,0	49,5	55,0
56,0	54,0	54,0	9,1	23,1	37,0	51,0	54,0	54,0	54,0	54,0	10,2	26,7	43,5	54,0
60,0	53,0	53,0	5,7	18,9	32,0	45,0	52,0	52,0	52,0	52,0	6,7	22,3	38,0	52,0
64,0	51,0	51,0		15,1	27,5	40,0	51,0	51,0	51,0	51,0		18,3	33,0	47,5
68,0	49,5	50,0		11,8	23,5	35,0	47,0	49,5	50,0	50,0		14,8	28,7	42,5
72,0	48,5	49,0		8,8	19,9	31,0	42,0	47,5	49,0	49,0		11,6	24,8	38,0
76,0	47,0	48,0		6,1	16,7	27,3	38,0	46,0	48,0	48,0		8,8	21,4	34,0
80,0	45,5	46,5			13,8	23,9	34,0	44,0	46,5	47,0		6,2	18,2	30,0
84,0	41,5	44,0			11,1	20,8	30,5	40,0	44,0	46,5			15,4	26,9
88,0	37,5	41,5			8,7	18,0	27,2	36,5	41,5	45,5			12,8	23,8
92,0	33,5	39,0			6,5	15,4	24,3	32,5	39,0	45,0			10,4	21,0
96,0	30,0	36,5				13,0	21,5	29,0	36,0	43,5			8,2	18,4
100,0	27,2	33,5				10,8	18,9	26,1	33,0	40,0			6,2	16,0
104,0	24,3	30,0				8,8	16,2	23,2	30,0	37,0				13,7
108,0	21,4	27,2				7,0	13,6	20,4	27,0	33,5				11,1
* n *	5	5	5	5	5	5	5	5	5	5	4	5	5	5
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	350,0	0,0	50,0	100,0	150,0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 31°

120m

12m

150

t


65

t



yy m

22.01

	SL2DB 120m	F 31° 12m					
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22.01

	SL2DB 120m	F 13° 18m					
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22.01

	SL2DB 120m	F 13° 18m					
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

22.01

	SL2DB 120m	F 13° 18m	 t	 t	 zz t yy m		
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074548

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22.01

 m	 m > t													
	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0
24,0	65,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	67,0	74,0	74,0	74,0	74,0
26,0	58,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	60,0	73,0	73,0	73,0	73,0
28,0	52,0	69,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	54,0	73,0	73,0	73,0	73,0
30,0	46,0	63,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	48,0	69,0	71,0	71,0	71,0
32,0	41,5	57,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	43,0	63,0	70,0	70,0	70,0
34,0	37,0	52,0	67,0	70,0	70,0	70,0	70,0	70,0	70,0	38,5	57,0	69,0	69,0	69,0
36,0	33,0	47,0	61,0	69,0	69,0	69,0	69,0	69,0	69,0	34,5	52,0	68,0	68,0	68,0
38,0	29,4	43,0	57,0	67,0	67,0	67,0	67,0	67,0	67,0	31,0	48,0	65,0	67,0	67,0
40,0	26,1	39,0	52,0	65,0	66,0	66,0	66,0	66,0	66,0	27,6	44,0	60,0	65,0	65,0
44,0	20,4	32,5	44,5	56,0	63,0	63,0	63,0	63,0	63,0	21,7	37,0	52,0	63,0	63,0
48,0	15,5	26,6	37,5	48,5	60,0	60,0	60,0	60,0	60,0	16,7	30,5	44,5	59,0	60,0
52,0	11,3	21,6	32,0	42,0	52,0	57,0	57,0	57,0	57,0	12,4	25,4	38,5	51,0	57,0
56,0	7,6	17,3	26,9	36,5	46,0	54,0	55,0	55,0	55,0	8,7	20,8	33,0	45,0	54,0
60,0		13,5	22,5	31,5	40,5	49,5	52,0	52,0	52,0	5,4	16,8	28,3	39,5	51,0
64,0		10,1	18,7	27,2	36,0	44,5	50,0	50,0	50,0		13,3	24,1	35,0	45,5
68,0		7,1	15,2	23,3	31,5	39,5	47,5	47,5	47,5		10,1	20,3	30,5	41,0
72,0			12,1	19,8	27,5	35,0	43,0	45,0	45,0		7,3	17,0	26,7	36,5
76,0			9,4	16,7	24,0	31,5	38,5	42,5	42,5			14,0	23,2	32,5
80,0			6,8	13,8	20,8	27,8	35,0	39,5	39,5			11,2	20,1	28,9
84,0				11,2	17,9	24,6	31,0	37,0	37,0			8,8	17,2	25,7
88,0				8,9	15,3	21,7	28,0	33,5	33,5			6,5	14,6	22,7
92,0				6,7	12,9	19,0	24,8	30,0	30,0				12,2	20,0
96,0					10,7	16,4	21,7	26,7	26,7				10,0	17,5
100,0					8,6	13,7	18,7	23,6	23,6				8,0	15,2
104,0					6,7	11,7	16,3	21,1	21,1				6,1	13,1
108,0					5,0	9,7	13,8	18,6	18,6					10,8
112,0						7,6	11,4	16,1	16,1					8,6
116,0						6,1	9,6	13,8	13,8					7,0
120,0							8,0	11,7	11,7					5,6
124,0							6,5	9,9	9,9					8,5
* n *	4	5	5	5	5	5	5	5	5	4	5	5	5	5
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	350.0	0.0	50.0	100.0	150.0	200.0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

120m

F 18°

18m

150

t

65



t



22.01

	SL2DB 120m	F 18° 18m	 t	 t	 zz t yy m		
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22.01

	SL2DB 120m	F 18° 18m					
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22.01

	SL2DB 120m	F 32° 18m					
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22.01

	SL2DB 120m	F 32° 18m					
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22.01

	SL2DB 120m	F 13° 24m					
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22.01

	SL2DB 120m	F 18° 24m	 t	 t	 zz t yy m		
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22.01

	SL2DB 120m	F 30° 24m					
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22.01

	SL2DB 120m	F 30° 24m	 t	 t	 zz t yy m		
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22.01

	SL2DB 120m	F 12° 30m					
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22.01

	SL2DB 120m	F 16° 30m	 t	 t	 zz t yy m		
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22.01

	SL2DB 120m	F 28° 30m					
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22.01

	SL2DB 120m	F 10° 36m					
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22.01

	SL2DB 120m	F 10° 36m					
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22.01

	SL2DB 120m	F 14° 36m					
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22.01

	SL2DB 120m	F 14° 36m	 t	 t	 zz t yy m		
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22.01

	SL2DB 120m	F 26° 36m	 t	 t	 zz t yy m		
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22.01

	SL2DB 126m	F 11° 12m	 t	 t	 zz t yy m		
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

22.01

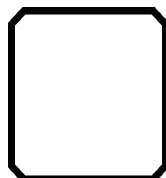
	SL2DB 126m	F 16° 12m	 t	 t	 zz t yy m		
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074548

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22.01

 m	 m > < t														CODE > 1483 < B181 2E20.x(x)	
	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0
24,0	71,0	71,0	68,0	70,0	70,0	70,0	70,0	70,0	70,0	70,0	70,0	70,0	70,0	70,0	70,0	70,0
26,0	69,0	69,0	60,0	69,0	69,0	69,0	69,0	69,0	69,0	69,0	69,0	62,0	68,0	68,0	68,0	68,0
28,0	68,0	68,0	54,0	67,0	67,0	67,0	67,0	67,0	67,0	67,0	67,0	56,0	67,0	67,0	67,0	67,0
30,0	67,0	67,0	48,0	66,0	66,0	66,0	66,0	66,0	66,0	66,0	66,0	50,0	66,0	66,0	66,0	66,0
32,0	65,0	65,0	43,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	44,5	64,0	64,0	64,0	64,0
34,0	64,0	64,0	38,5	60,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0	40,0	63,0	63,0	63,0	63,0
36,0	63,0	63,0	34,0	55,0	63,0	63,0	63,0	63,0	63,0	63,0	63,0	36,0	60,0	62,0	62,0	62,0
38,0	62,0	62,0	30,5	50,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	32,0	55,0	61,0	61,0	61,0
40,0	61,0	61,0	27,1	45,5	61,0	61,0	61,0	61,0	61,0	61,0	61,0	28,5	51,0	60,0	60,0	60,0
44,0	59,0	59,0	21,0	38,0	55,0	59,0	59,0	59,0	59,0	59,0	59,0	22,3	42,5	58,0	58,0	58,0
48,0	57,0	57,0	15,9	32,0	48,0	57,0	57,0	57,0	57,0	57,0	57,0	17,1	36,0	55,0	57,0	57,0
52,0	55,0	55,0	11,5	26,3	41,0	55,0	55,0	55,0	55,0	55,0	55,0	12,6	30,0	47,5	55,0	55,0
56,0	54,0	54,0	7,6	21,5	35,5	49,5	54,0	54,0	54,0	54,0	54,0	8,7	25,1	41,5	53,0	53,0
60,0	53,0	53,0		17,3	30,5	43,5	52,0	52,0	52,0	52,0	52,0	5,2	20,7	36,0	50,0	50,0
64,0	51,0	51,0		13,6	25,9	38,0	50,0	51,0	51,0	51,0	51,0		16,8	31,5	46,0	46,0
68,0	49,5	49,5		10,3	21,9	33,5	45,5	49,5	50,0	50,0	50,0		13,3	27,1	41,0	41,0
72,0	47,5	49,0		7,3	18,4	29,5	40,5	47,0	49,0	49,0	49,0		10,2	23,3	36,5	36,5
76,0	45,0	48,0			15,2	25,7	36,5	44,5	48,0	48,0	48,0		7,4	19,9	32,5	32,5
80,0	42,5	47,0			12,3	22,3	32,5	41,5	47,0	47,0	47,0			16,7	28,7	28,7
84,0	40,0	45,5			9,6	19,3	28,9	38,5	45,5	46,0	46,0			13,9	25,3	25,3
88,0	36,5	42,0			7,2	16,5	25,7	35,0	42,0	44,5	44,5			11,3	22,3	22,3
92,0	33,0	38,5			5,0	13,9	22,8	31,5	38,5	42,5	42,5			9,0	19,5	19,5
96,0	29,2	35,0				11,5	20,1	28,1	35,0	41,0	41,0			6,8	16,9	16,9
100,0	25,9	32,0				9,4	17,4	24,8	31,5	39,0	39,0				14,5	14,5
104,0	23,2	29,1				7,4	14,9	22,1	28,9	36,0	36,0				12,3	12,3
108,0	20,5	26,2				5,5	12,4	19,4	26,1	32,5	32,5				10,3	10,3
112,0	17,8	23,4					9,9	16,8	23,2	29,6	29,6				8,2	8,2
116,0	15,5	20,9					8,2	14,5	20,8	26,9	26,9				6,6	6,6
* n *	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0	18,0
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	350,0	350,0	0,0	50,0	100,0	150,0	150,0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

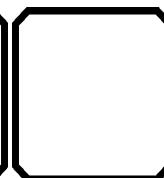
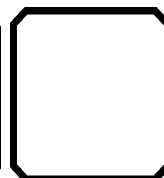
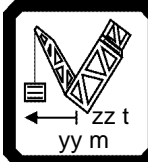
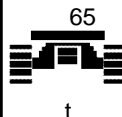
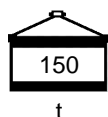


SL2DB




126m

F 31°

12m



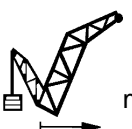

22.01

	SL2DB 126m	F 31° 12m					
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074548

*** 201

22.01

 m	 m > t													
	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0
22,0	68,0	76,0	76,0	76,0	76,0	76,0	76,0	76,0	76,0	70,0	75,0	75,0	75,0	75,0
24,0	60,0	76,0	76,0	76,0	76,0	76,0	76,0	76,0	76,0	63,0	74,0	74,0	74,0	74,0
26,0	54,0	72,0	75,0	75,0	75,0	75,0	75,0	75,0	75,0	56,0	73,0	73,0	73,0	73,0
28,0	48,0	65,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	49,5	72,0	72,0	72,0	72,0
30,0	42,5	59,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	44,5	65,0	71,0	71,0	71,0
32,0	38,0	53,0	69,0	72,0	72,0	72,0	72,0	72,0	72,0	39,5	59,0	69,0	69,0	69,0
34,0	33,5	48,5	63,0	70,0	70,0	70,0	70,0	70,0	70,0	35,5	54,0	68,0	68,0	68,0
36,0	29,9	44,0	58,0	69,0	69,0	69,0	69,0	69,0	69,0	31,5	49,0	67,0	67,0	67,0
38,0	26,4	40,0	53,0	67,0	68,0	68,0	68,0	68,0	68,0	27,9	45,0	62,0	65,0	65,0
40,0	23,3	36,0	49,0	62,0	66,0	66,0	66,0	66,0	66,0	24,7	41,0	57,0	64,0	64,0
44,0	17,7	29,5	41,5	53,0	63,0	64,0	64,0	64,0	64,0	19,0	34,0	49,0	61,0	61,0
48,0	13,0	23,9	35,0	46,0	57,0	61,0	61,0	61,0	61,0	14,2	28,0	42,0	56,0	59,0
52,0	8,9	19,1	29,3	39,5	50,0	59,0	59,0	59,0	59,0	10,0	22,9	36,0	48,5	57,0
56,0	5,4	14,9	24,5	34,0	43,5	53,0	56,0	56,0	56,0	6,4	18,4	30,5	42,5	54,0
60,0		11,2	20,2	29,2	38,0	47,0	53,0	54,0	54,0		14,5	25,9	37,5	48,5
64,0		8,0	16,5	24,9	33,5	42,0	49,5	52,0	52,0		11,1	21,8	32,5	43,5
68,0		5,1	13,1	21,1	29,2	37,0	45,5	49,5	49,5		8,0	18,2	28,3	38,5
72,0			10,1	17,7	25,4	33,0	40,5	46,0	46,0		5,3	14,9	24,6	34,0
76,0			7,4	14,7	21,9	29,2	36,5	42,5	42,5			12,0	21,1	30,5
80,0				11,9	18,8	25,8	32,5	38,5	38,5			9,3	18,1	26,8
84,0				9,3	16,0	22,6	29,3	35,0	35,0			6,9	15,3	23,7
88,0				7,0	13,4	19,8	26,1	31,5	31,5				12,7	20,8
92,0					11,0	17,1	23,3	28,5	28,5				10,4	18,1
96,0					8,9	14,7	20,3	25,3	25,3				8,2	15,7
100,0					6,9	11,9	17,3	22,2	22,2				6,2	13,4
104,0					5,0	9,7	14,7	19,4	19,4					11,2
108,0						8,1	12,6	17,0	17,0					9,4
112,0						6,5	10,5	14,6	14,6					7,6
116,0							8,3	12,2	12,2					5,8
120,0							6,8	10,3	10,3					8,6
124,0							5,5	8,6	8,6					7,2
128,0								7,3	7,3					6,0
* n *	4	5	5	5	5	5	5	5	5	4	5	5	5	5
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	350.0	0.0	50.0	100.0	150.0	200.0
m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 13°

126m

18m

150



t

65

t





22.01

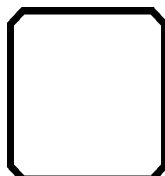
	SL2DB 126m	F 13° 18m					
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074548

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22.01

 m	 m > < t														CODE > 1485 < B181 2E16.x(x)	
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26,0	55,0	69,0	69,0	69,0	69,0	69,0	69,0	69,0	69,0	57,0	68,0	68,0	68,0	68,0	68,0	68,0
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30,0	44,0	60,0	67,0	67,0	67,0	67,0	67,0	67,0	67,0	46,0	66,0	66,0	66,0	66,0	66,0	66,0
32,0	39,5	55,0	67,0	67,0	67,0	67,0	67,0	67,0	67,0	41,0	61,0	64,0	64,0	64,0	64,0	64,0
34,0	35,0	50,0	65,0	66,0	66,0	66,0	66,0	66,0	66,0	36,5	55,0	63,0	63,0	63,0	63,0	63,0
36,0	31,0	45,0	59,0	65,0	65,0	65,0	65,0	65,0	65,0	32,5	50,0	62,0	62,0	62,0	62,0	62,0
38,0	27,6	41,0	54,0	64,0	64,0	64,0	64,0	64,0	64,0	29,1	46,0	61,0	61,0	61,0	61,0	61,0
40,0	24,4	37,5	50,0	62,0	62,0	62,0	62,0	62,0	62,0	25,8	42,0	58,0	60,0	60,0	60,0	60,0
44,0	18,7	30,5	42,5	54,0	60,0	60,0	60,0	60,0	60,0	20,0	35,0	50,0	57,0	57,0	57,0	57,0
48,0	13,9	24,9	36,0	47,0	57,0	58,0	58,0	58,0	58,0	15,1	28,9	43,0	55,0	56,0	56,0	56,0
52,0	9,7	20,0	30,0	40,5	51,0	56,0	56,0	56,0	56,0	10,8	23,7	36,5	49,5	54,0	54,0	54,0
56,0	6,1	15,7	25,3	35,0	44,5	53,0	53,0	53,0	53,0	7,1	19,2	31,5	43,5	52,0	52,0	52,0
60,0		11,9	20,9	29,9	39,0	48,0	51,0	51,0	51,0		15,3	26,6	38,0	48,5	49,5	49,5
64,0		8,6	17,1	25,6	34,0	42,5	48,5	49,0	49,0		11,7	22,5	33,0	44,0	47,5	47,5
68,0		5,6	13,7	21,7	29,8	38,0	46,0	47,0	47,0		8,6	18,8	28,9	39,0	45,5	45,5
72,0			10,6	18,3	25,9	33,5	41,0	44,5	44,5		5,8	15,4	25,1	34,5	43,0	43,0
76,0			7,9	15,1	22,4	29,7	37,0	41,5	41,5			12,5	21,6	31,0	40,0	40,0
80,0			5,4	12,3	19,3	26,2	33,0	38,0	38,0			9,8	18,5	27,3	36,0	36,0
84,0				9,8	16,4	23,0	29,7	35,0	35,0			7,3	15,7	24,1	32,5	32,5
88,0				7,4	13,8	20,1	26,5	32,0	32,0			5,0	13,1	21,1	29,2	29,2
92,0				5,3	11,4	17,5	23,6	28,8	28,8				10,7	18,4	26,2	26,2
96,0					9,2	15,1	20,6	25,7	25,7				8,5	16,0	23,4	23,4
100,0					7,1	12,3	17,7	22,6	22,6				6,5	13,7	20,6	20,6
104,0					5,3	9,8	14,9	19,6	19,6					11,4	17,7	17,7
108,0						8,2	12,8	17,2	17,2					9,6	15,3	15,3
112,0						6,6	10,7	14,8	14,8					7,8	12,9	12,9
116,0							8,5	12,4	12,4					6,0	10,5	10,5
120,0							6,9	10,5	10,5						8,8	8,8
124,0							5,6	8,8	8,8						7,3	7,3
128,0								7,4	7,4						6,1	6,1
* n *	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	250.0
m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

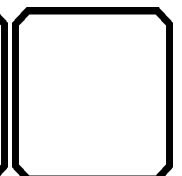
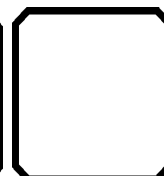
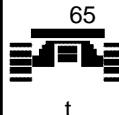
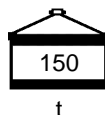


SL2DB

126m

F 18°

18m




22.01

	SL2DB 126m	F 18° 18m					
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22.01

	SL2DB 126m	F 32° 18m					
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22.01

	SL2DB 126m	F 32° 18m					
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22.01

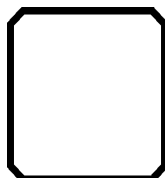
	SL2DB 126m	F 13° 24m					
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074548

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22.01

	m	m > < t													CODE > 1487 < B181 2E12.x(x)
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24,0	63,0	63,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	60,0	60,0	60,0	60,0	
26,0	62,0	62,0	59,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	59,0	59,0	59,0	59,0	
28,0	61,0	61,0	53,0	59,0	59,0	59,0	59,0	59,0	59,0	59,0	55,0	58,0	58,0	58,0	
30,0	60,0	60,0	47,5	58,0	58,0	58,0	58,0	58,0	58,0	58,0	49,5	57,0	57,0	57,0	
32,0	58,0	58,0	43,0	57,0	57,0	57,0	57,0	57,0	57,0	57,0	44,5	56,0	56,0	56,0	
34,0	57,0	57,0	38,5	56,0	56,0	56,0	56,0	56,0	56,0	56,0	40,0	54,0	54,0	54,0	
36,0	56,0	56,0	34,5	55,0	55,0	55,0	55,0	55,0	55,0	55,0	36,0	53,0	53,0	53,0	
38,0	55,0	55,0	31,0	50,0	54,0	54,0	54,0	54,0	54,0	54,0	32,5	52,0	52,0	52,0	
40,0	54,0	54,0	27,8	46,0	53,0	53,0	53,0	53,0	53,0	53,0	29,2	51,0	51,0	51,0	
44,0	51,0	51,0	22,0	39,0	50,0	50,0	50,0	50,0	50,0	50,0	23,3	43,5	49,0	49,0	
48,0	49,5	49,5	17,1	33,0	48,0	48,5	48,5	48,5	48,5	48,5	18,3	37,0	47,0	47,0	
52,0	47,5	47,5	12,9	27,5	42,0	46,5	46,5	46,5	46,5	46,5	14,0	31,5	45,5	45,5	
56,0	45,5	45,5	9,2	22,8	36,5	45,0	45,0	45,0	45,0	45,0	10,2	26,4	42,5	43,5	
60,0	43,5	43,5	5,9	18,8	31,5	42,5	43,0	43,0	43,0	43,0	6,9	22,1	37,5	42,0	
64,0	42,0	42,0		15,2	27,3	39,5	41,0	41,0	41,0	41,0		18,3	32,5	40,5	
68,0	40,0	40,0		12,0	23,5	35,0	39,5	39,5	39,5	39,5		15,0	28,6	39,0	
72,0	38,5	38,5		9,1	20,0	31,0	38,0	38,0	38,0	38,0		11,9	24,9	37,5	
76,0	37,0	37,0		6,5	16,9	27,3	35,5	36,5	36,5	36,5		9,2	21,5	34,0	
80,0	36,0	36,0			14,1	24,0	33,0	35,5	35,5	35,5		6,7	18,5	30,0	
84,0	35,0	35,0			11,5	21,0	30,5	34,5	34,5	34,5			15,7	27,0	
88,0	34,0	34,0			9,1	18,2	27,4	34,0	34,0	34,0			13,2	24,0	
92,0	32,5	33,0			7,0	15,7	24,5	32,0	32,5	32,5			10,8	21,2	
96,0	29,9	32,0			5,0	13,4	21,8	29,4	31,5	32,0			8,7	18,7	
100,0	27,4	31,0				11,3	19,4	26,7	30,5	31,0			6,7	16,3	
104,0	25,0	29,7				9,3	17,1	24,1	29,5	30,0				14,2	
108,0	22,6	28,5				7,4	14,8	21,6	28,3	29,1				12,2	
112,0	20,3	26,0				5,7	12,8	19,3	25,8	28,0				10,3	
116,0	18,0	23,5					10,8	17,0	23,4	26,9				8,6	
120,0	15,7	21,0					8,8	14,7	20,9	25,9				7,0	
124,0	13,5	18,7					7,1	12,5	18,6	24,4				5,4	
128,0	11,5	16,7					5,7	10,5	16,5	22,2					
132,0	9,8	14,7						9,0	14,6	20,1					
* n *	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0	
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	350,0	0,0	50,0	100,0	150,0	
	m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	

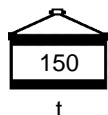


SL2DB

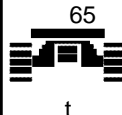
126m

F 13°

24m



t



t



yy m



22.01

	SL2DB 126m	F 13° 24m	 t	 t	 zz t yy m		
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22.01

	SL2DB 126m	F 18° 24m					
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22.01

	SL2DB 126m	F 18° 24m					
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22.01

	SL2DB 126m	F 18° 24m					
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22.01

	SL2DB 126m	F 30° 24m					
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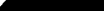
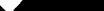
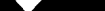
22.01

	SL2DB 126m	F 30° 24m					
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22.01

	SL2DB 126m	F 30° 24m					
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22.01

	SL2DB 126m	F 12° 30m					
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22.01

	SL2DB 126m	F 12° 30m	 t	 t	 zz t yy m		
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22.01

	SL2DB 126m	F 12° 30m	 t	 t	 zz t yy m		
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22.01

	SL2DB 126m	F 16° 30m	 t	 t	 zz t yy m		
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22.01

	SL2DB 126m	F 16° 30m					
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22.01

	SL2DB 126m	F 16° 30m					
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22.01

	SL2DB 126m	F 28° 30m					
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074548

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22.01

	m	m > < t													CODE > 1492 < B181 2E23.x(x)
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34,0	32,0	32,0	32,0	32,0	32,0	32,0	32,0	32,0	32,0	32,0	31,5	31,5	31,5	31,5	31,5
36,0	31,5	31,5	31,0	31,0	31,0	31,0	31,0	31,0	31,0	31,0	31,0	31,0	31,0	31,0	31,0
38,0	30,5	30,5	30,5	30,5	30,5	30,5	30,5	30,5	30,5	30,5	30,5	30,5	30,5	30,5	30,5
40,0	30,0	30,0	29,9	29,9	29,9	29,9	29,9	29,9	29,9	29,9	29,7	29,7	29,7	29,7	29,7
44,0	28,8	28,8	28,2	28,7	28,7	28,7	28,7	28,7	28,7	28,7	28,6	28,6	28,6	28,6	28,6
48,0	27,7	27,7	22,8	27,6	27,6	27,6	27,6	27,6	27,6	27,6	24,0	27,5	27,5	27,5	27,5
52,0	26,7	26,7	18,2	26,6	26,6	26,6	26,6	26,6	26,6	26,6	19,3	26,5	26,5	26,5	26,5
56,0	25,8	25,8	14,1	25,7	25,7	25,7	25,7	25,7	25,7	25,7	15,2	25,6	25,6	25,6	25,6
60,0	24,9	24,9	10,6	23,4	24,9	24,9	24,9	24,9	24,9	24,9	11,5	24,8	24,8	24,8	24,8
64,0	24,1	24,1	7,4	19,5	24,0	24,0	24,0	24,0	24,0	24,0	8,3	22,6	24,0	24,0	24,0
68,0	23,3	23,3		16,0	23,2	23,2	23,2	23,2	23,2	23,2	5,4	19,0	23,2	23,2	23,2
72,0	22,6	22,6		12,9	22,4	22,5	22,5	22,5	22,5	22,5		15,7	22,5	22,5	22,5
76,0	21,9	21,9		10,0	20,4	21,9	21,9	21,9	21,9	21,9		12,7	21,8	21,8	21,8
80,0	21,2	21,2		7,5	17,4	21,2	21,2	21,2	21,2	21,2		10,0	21,1	21,1	21,1
84,0	20,6	20,6		5,1	14,6	20,3	20,6	20,6	20,6	20,6		7,6	18,8	20,6	20,6
88,0	20,1	20,1			12,0	19,1	20,1	20,1	20,1	20,1		5,3	16,1	20,1	20,1
92,0	19,7	19,7			9,7	17,9	19,7	19,7	19,7	19,7			13,6	19,6	19,6
96,0	19,2	19,2			7,5	15,9	19,2	19,2	19,2	19,2			11,3	19,2	19,2
100,0	18,8	18,8			5,6	13,6	18,4	18,8	18,8	18,8			9,1	18,2	18,8
104,0	18,5	18,5				11,5	16,9	18,5	18,5	18,5			7,2	16,2	18,5
108,0	18,2	18,2				9,5	15,5	18,2	18,2	18,2			5,3	14,1	18,1
112,0	17,8	17,8				7,7	14,0	17,8	17,8	17,8				12,1	17,8
116,0	17,5	17,5				5,9	12,5	17,5	17,5	17,5				10,1	17,5
120,0	16,0	16,0					10,8	15,7	15,9	15,9				8,6	15,5
124,0	14,5	14,5					9,0	14,0	14,3	14,3				7,0	13,4
128,0	13,0	13,0					7,3	12,2	12,8	12,8				5,4	11,4
132,0	11,3	11,3					5,8	10,4	11,1	11,1					9,7
136,0	9,4	9,4						8,7	9,4	9,4					8,2
* n *	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0	18,0
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	0,0	50,0	100,0	150,0	200,0	200,0
	m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 28°

126m

30m

150




t

65

t



22.01

	SL2DB 126m	F 28° 30m					
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22.01

	SL2DB 126m	F 10° 36m					
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22.01

	SL2DB 126m	F 10° 36m					
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22.01

	SL2DB 126m	F 14° 36m					
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22.01

	SL2DB 126m	F 14° 36m	 t	 t	 zz t yy m		
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22.01

	SL2DB 126m	F 26° 36m	 t	 t	 zz t yy m		
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22.01

	SL2DB 132m	F 11° 12m					
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22.01

	SL2DB 132m	F 11° 12m					
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22.01

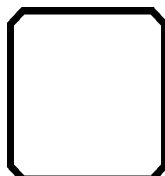
	SL2DB 132m	F 11° 12m					
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074548

*** 201

22.01

	m	m > < t													CODE > 1497 < B181 2F15.x(x)
		132,0	132,0	132,0	132,0	132,0	132,0	132,0	132,0	132,0	132,0	132,0	132,0	132,0	
22,0	65,0	83,0	83,0	83,0	83,0	83,0	83,0	83,0	83,0	68,0	81,0	81,0	81,0	81,0	81,0
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26,0	51,0	70,0	82,0	82,0	82,0	82,0	82,0	82,0	82,0	53,0	77,0	80,0	80,0	80,0	80,0
28,0	45,5	63,0	80,0	81,0	81,0	81,0	81,0	81,0	81,0	47,5	69,0	79,0	79,0	79,0	79,0
30,0	40,5	57,0	73,0	80,0	80,0	80,0	80,0	80,0	80,0	42,0	63,0	78,0	78,0	78,0	78,0
32,0	35,5	51,0	67,0	79,0	79,0	79,0	79,0	79,0	79,0	37,5	57,0	77,0	77,0	77,0	77,0
34,0	31,5	46,0	61,0	76,0	78,0	78,0	78,0	78,0	78,0	33,0	52,0	70,0	76,0	76,0	76,0
36,0	27,7	41,5	56,0	70,0	77,0	77,0	77,0	77,0	77,0	29,2	47,0	65,0	75,0	75,0	75,0
38,0	24,3	37,5	51,0	65,0	76,0	76,0	76,0	76,0	76,0	25,7	42,5	60,0	74,0	74,0	74,0
40,0	21,1	34,0	47,0	60,0	73,0	75,0	75,0	75,0	75,0	22,5	38,5	55,0	71,0	73,0	73,0
44,0	15,6	27,5	39,5	51,0	63,0	71,0	73,0	73,0	73,0	16,9	32,0	47,0	62,0	70,0	70,0
48,0	11,0	21,9	33,0	44,0	55,0	66,0	71,0	71,0	71,0	12,1	26,0	40,0	54,0	67,0	68,0
52,0	6,9	17,1	27,3	37,5	48,0	58,0	68,0	68,0	68,0	8,0	20,9	34,0	46,5	60,0	66,0
56,0		13,0	22,5	32,0	41,5	51,0	61,0	65,0	65,0		16,5	28,6	40,5	53,0	62,0
60,0		9,3	18,3	27,3	36,5	45,5	54,0	60,0	60,0		12,6	24,0	35,5	46,5	58,0
64,0		6,1	14,6	23,1	31,5	40,0	48,5	56,0	56,0		9,2	19,9	30,5	41,5	52,0
68,0			11,2	19,3	27,3	35,5	43,5	51,0	51,0		6,2	16,3	26,5	36,5	47,0
72,0			8,3	15,9	23,5	31,0	39,0	46,5	46,5			13,1	22,7	32,5	42,0
76,0			5,6	12,8	20,1	27,4	34,5	42,0	42,0			10,2	19,3	28,5	37,5
80,0				10,1	17,0	24,0	31,0	38,0	38,0			7,5	16,3	25,0	34,0
84,0				7,6	14,2	20,9	27,4	33,0	33,0			5,1	13,5	21,9	30,5
88,0				5,3	11,7	18,0	24,3	29,9	29,9				11,0	19,0	27,0
92,0					9,3	15,4	21,3	26,7	26,7				8,6	16,4	24,1
96,0					7,1	12,9	18,2	23,5	23,5				6,5	13,9	21,4
100,0					5,2	10,0	15,2	20,2	20,2					11,4	18,3
104,0						8,1	12,9	17,6	17,6					9,3	15,7
108,0						6,5	10,8	15,1	15,1					7,7	13,4
112,0							8,8	12,7	12,7					6,0	11,1
116,0							6,8	10,2	10,2						8,7
120,0							5,4	8,7	8,7						7,3
124,0								7,2	7,2						6,0
128,0								5,9	5,9						
* n *	4	5	5	5	5	5	5	5	5	4	5	5	5	5	5
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

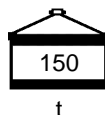


SL2DB

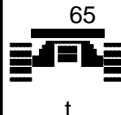
132m

F 16°

12m



t



t



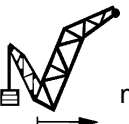

yy m

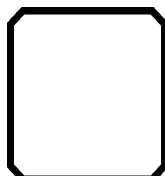


074548

*** 201

22.01

 m	 m > < t														CODE > 1497 < B181 2F15.x(x)	
	132,0	132,0	132,0	132,0	132,0	132,0	132,0	132,0	132,0	132,0	132,0	132,0	132,0	132,0	132,0	132,0
22,0	81,0	81,0	69,0	80,0	80,0	80,0	80,0	80,0	80,0	80,0	80,0	72,0	79,0	79,0	79,0	79,0
24,0	81,0	81,0	61,0	79,0	79,0	79,0	79,0	79,0	79,0	79,0	79,0	64,0	78,0	78,0	78,0	78,0
26,0	80,0	80,0	55,0	79,0	79,0	79,0	79,0	79,0	79,0	79,0	79,0	57,0	77,0	77,0	77,0	77,0
28,0	79,0	79,0	48,5	74,0	77,0	77,0	77,0	77,0	77,0	77,0	77,0	50,0	76,0	76,0	76,0	76,0
30,0	78,0	78,0	43,0	67,0	76,0	76,0	76,0	76,0	76,0	76,0	76,0	45,0	73,0	74,0	74,0	74,0
32,0	77,0	77,0	38,5	61,0	75,0	75,0	75,0	75,0	75,0	75,0	75,0	40,0	67,0	73,0	73,0	73,0
34,0	76,0	76,0	34,0	55,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	35,5	61,0	72,0	72,0	72,0
36,0	75,0	75,0	30,0	50,0	71,0	73,0	73,0	73,0	73,0	73,0	73,0	32,0	56,0	71,0	71,0	71,0
38,0	74,0	74,0	26,7	46,0	65,0	72,0	72,0	72,0	72,0	72,0	72,0	28,1	51,0	70,0	70,0	70,0
40,0	73,0	73,0	23,5	42,0	60,0	71,0	71,0	71,0	71,0	71,0	71,0	24,8	47,0	69,0	69,0	69,0
44,0	70,0	70,0	17,8	35,0	52,0	67,0	69,0	69,0	69,0	69,0	69,0	19,0	39,0	59,0	67,0	67,0
48,0	68,0	68,0	12,9	28,7	44,5	60,0	66,0	66,0	66,0	66,0	66,0	14,1	33,0	51,0	65,0	65,0
52,0	66,0	66,0	8,7	23,4	38,0	53,0	64,0	64,0	64,0	64,0	64,0	9,8	27,3	44,5	62,0	62,0
56,0	63,0	63,0	5,1	18,9	32,5	46,5	60,0	62,0	62,0	62,0	62,0	6,1	22,4	39,0	55,0	55,0
60,0	61,0	61,0		14,9	27,8	41,0	54,0	60,0	60,0	60,0	60,0		18,2	33,5	49,0	49,0
64,0	58,0	58,0		11,3	23,5	35,5	48,0	57,0	57,0	57,0	57,0		14,5	29,0	43,5	43,5
68,0	56,0	56,0		8,1	19,7	31,5	43,0	54,0	55,0	55,0	55,0		11,1	24,9	38,5	38,5
72,0	51,0	53,0		5,3	16,3	27,3	38,5	49,5	52,0	53,0	53,0		8,2	21,2	34,0	34,0
76,0	47,0	50,0			13,2	23,7	34,0	44,5	50,0	52,0	52,0		5,5	17,9	30,5	30,5
80,0	42,5	48,0			10,4	20,4	30,5	40,5	47,5	50,0	50,0			14,9	26,7	26,7
84,0	38,0	45,0			7,9	17,5	27,0	36,5	45,0	49,0	49,0			12,1	23,5	23,5
88,0	34,5	41,5			5,6	14,8	23,9	33,0	41,5	46,0	46,0			9,7	20,5	20,5
92,0	31,5	38,0				12,3	21,1	29,9	38,0	43,0	43,0			7,4	17,8	17,8
96,0	27,9	34,5				10,0	18,5	26,8	34,0	40,5	40,5			5,3	15,3	15,3
100,0	24,6	31,0				7,9	16,1	23,4	30,5	37,5	37,5				13,0	13,0
104,0	21,8	27,8				6,0	13,7	20,7	27,6	34,5	34,5				10,9	10,9
108,0	19,3	25,1					11,5	18,2	25,0	31,5	31,5				9,0	9,0
112,0	16,8	22,5					9,4	15,8	22,3	28,6	28,6				7,2	7,2
116,0	14,3	19,8					7,2	13,3	19,7	25,8	25,8				5,5	5,5
120,0	12,1	17,6					5,8	11,1	17,5	23,5	23,5					
124,0	10,2	15,5						9,2	15,3	21,2	21,2					
128,0	8,7	13,5						7,9	13,3	19,1	19,1					
* n *	5	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0	18,0
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	350,0	0,0	50,0	100,0	150,0	150,0	150,0
m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

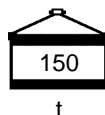


SL2DB

132m

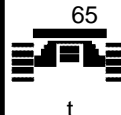
F 16°

12m



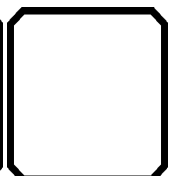
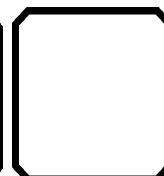
150

t



65




t

zz t
yy m



22.01

	SL2DB 132m	F 16° 12m					
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22.01

	SL2DB 132m	F 31° 12m	 t	 t	 zz t yy m		
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22.01

	SL2DB 132m	F 31° 12m					
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22.01

	SL2DB 132m	F 31° 12m					
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22.01

	SL2DB 132m	F 13° 18m					
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22.01

	SL2DB 132m	F 13° 18m					
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22.01

	SL2DB 132m	F 13° 18m					
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22.01

	SL2DB 132m	F 18° 18m					
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22.01

	SL2DB 132m	F 18° 18m					
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22.01

	SL2DB 132m	F 18° 18m					
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22.01

	SL2DB 132m	F 32° 18m					
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22.01

	SL2DB 132m	F 32° 18m					
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

22.01

	SL2DB 132m	F 32° 18m					
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074548

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22.01

 m	 m > < t													
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24,0												57,0	57,0	57,0
26,0	54,0	57,0	57,0	57,0	57,0	57,0	57,0	57,0	56,0	57,0	57,0	57,0	57,0	57,0
28,0	48,0	57,0	57,0	57,0	57,0	57,0	57,0	57,0	50,0	57,0	57,0	57,0	57,0	57,0
30,0	43,0	57,0	57,0	57,0	57,0	57,0	57,0	57,0	45,0	56,0	56,0	56,0	56,0	56,0
32,0	38,5	54,0	56,0	56,0	56,0	56,0	56,0	56,0	40,5	55,0	55,0	55,0	55,0	55,0
34,0	34,5	49,0	56,0	56,0	56,0	56,0	56,0	56,0	36,0	54,0	54,0	54,0	54,0	54,0
36,0	31,0	44,5	55,0	55,0	55,0	55,0	55,0	55,0	32,5	49,5	53,0	53,0	53,0	53,0
38,0	27,4	40,5	54,0	54,0	54,0	54,0	54,0	54,0	28,8	45,5	53,0	53,0	53,0	53,0
40,0	24,2	37,0	49,5	53,0	53,0	53,0	53,0	53,0	25,6	41,5	52,0	52,0	52,0	52,0
44,0	18,8	30,5	42,0	52,0	52,0	52,0	52,0	52,0	20,0	34,5	49,5	50,0	50,0	50,0
48,0	14,1	24,9	35,5	46,5	50,0	50,0	50,0	50,0	15,3	28,9	42,5	48,0	48,0	48,0
52,0	10,0	20,1	30,0	40,0	48,0	48,0	48,0	48,0	11,1	23,8	36,5	46,5	46,5	46,5
56,0	6,5	15,9	25,4	35,0	44,0	46,5	46,5	46,5	7,5	19,4	31,5	43,0	44,5	44,5
60,0		12,3	21,2	30,0	39,0	44,5	44,5	44,5		15,6	26,8	38,0	43,0	43,0
64,0		9,0	17,4	25,8	34,0	41,5	42,5	42,5		12,1	22,7	33,5	41,0	41,5
68,0		6,1	14,1	22,0	29,9	38,0	41,0	41,0		9,1	19,1	29,1	39,0	40,0
72,0			11,1	18,6	26,2	33,5	39,5	39,5		6,3	15,8	25,4	35,0	38,0
76,0			8,4	15,5	22,7	29,9	37,0	37,5			12,9	22,0	31,0	36,5
80,0			5,9	12,8	19,6	26,5	33,5	35,5			10,2	18,9	27,6	34,0
84,0				10,2	16,8	23,4	29,9	33,0			7,8	16,1	24,4	31,5
88,0				7,9	14,2	20,5	26,8	31,0			5,6	13,5	21,5	29,2
92,0				5,8	11,8	17,9	23,9	28,8				11,2	18,8	26,4
96,0					9,6	15,4	21,1	26,2				9,0	16,3	23,7
100,0					7,6	13,2	18,5	23,5				7,0	14,1	21,2
104,0					5,7	11,1	15,8	20,8				5,1	12,0	18,8
108,0						8,9	13,1	18,0					10,0	16,1
112,0						6,9	10,8	15,5					7,9	13,7
116,0						5,5	9,2	13,5					6,5	11,8
120,0							7,7	11,5						9,9
124,0							6,1	9,4						8,1
128,0								7,7						6,4
132,0								6,4						5,1
136,0								5,2						
* n *	4	4	4	4	4	4	4	4	4	4	4	4	4	4
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 13°

132m

24m

150

t

65

t





yy m

22.01

	SL2DB 132m	F 13° 24m					
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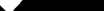
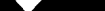
22.01

	SL2DB 132m	F 13° 24m					
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22.01

	SL2DB 132m	F 12° 30m					
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22.01

	SL2DB 132m	F 12° 30m					
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22.01

	SL2DB 132m	F 12° 30m					
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22.01

	SL2DB 132m	F 10° 36m					
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

22.01

	SL2DB 132m	F 10° 36m	 t	 t	 zz t yy m		
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074548

*** 201

22.01

 m	 m > t													
	138,0	138,0	138,0	138,0	138,0	138,0	138,0	138,0	138,0	138,0	138,0	138,0	138,0	138,0
20,0		72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	75,0	75,0	75,0	75,0	75,0
22,0	61,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	63,0	74,0	74,0	74,0	74,0	74,0
24,0	54,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	56,0	73,0	73,0	73,0	73,0	73,0
26,0	47,5	66,0	71,0	71,0	71,0	71,0	71,0	71,0	49,5	72,0	72,0	72,0	72,0	72,0
28,0	42,0	59,0	70,0	70,0	70,0	70,0	70,0	70,0	44,0	65,0	71,0	71,0	71,0	71,0
30,0	37,0	53,0	69,0	70,0	70,0	70,0	70,0	70,0	38,5	59,0	70,0	70,0	70,0	70,0
32,0	32,5	48,0	63,0	69,0	69,0	69,0	69,0	69,0	34,0	54,0	69,0	69,0	69,0	69,0
34,0	28,5	43,0	58,0	69,0	69,0	69,0	69,0	69,0	30,0	48,5	67,0	68,0	68,0	68,0
36,0	24,8	38,5	53,0	67,0	68,0	68,0	68,0	68,0	26,3	44,0	61,0	67,0	67,0	67,0
38,0	21,5	35,0	48,0	61,0	68,0	68,0	68,0	68,0	22,9	39,5	56,0	66,0	66,0	66,0
40,0	18,5	31,0	44,0	57,0	67,0	67,0	67,0	67,0	19,8	36,0	52,0	65,0	65,0	65,0
44,0	13,1	24,9	36,5	48,5	60,0	64,0	65,0	65,0	14,4	29,2	44,0	59,0	63,0	63,0
48,0	8,6	19,5	30,5	41,0	52,0	61,0	63,0	63,0	9,8	23,5	37,0	51,0	61,0	61,0
52,0		14,8	24,9	35,0	45,0	55,0	61,0	61,0	5,8	18,6	31,5	44,0	57,0	59,0
56,0		10,7	20,2	29,7	39,0	48,5	58,0	58,0		14,3	26,2	38,0	50,0	56,0
60,0		7,2	16,1	25,0	34,0	43,0	52,0	55,0		10,5	21,8	33,0	44,5	53,0
64,0			12,5	20,9	29,3	38,0	46,0	52,0		7,1	17,8	28,4	39,0	49,5
68,0			9,2	17,2	25,2	33,0	41,0	48,5			14,2	24,3	34,5	44,5
72,0			6,3	13,9	21,5	29,0	36,5	44,0			11,1	20,7	30,0	40,0
76,0				10,9	18,1	25,3	32,5	40,0			8,2	17,3	26,5	35,5
80,0				8,2	15,1	22,0	28,9	36,0			5,6	14,3	23,0	32,0
84,0				5,7	12,3	18,9	25,5	32,0				11,6	19,9	28,3
88,0					9,8	16,1	22,4	27,9				9,1	17,1	25,1
92,0					7,5	13,6	19,5	24,9				6,8	14,5	22,2
96,0					5,4	11,2	16,5	21,9					12,1	19,5
100,0						9,1	13,6	18,9					9,9	16,8
104,0						6,7	10,6	15,9					7,8	13,8
108,0						5,1	8,9	13,7					6,0	11,7
112,0							7,3	11,6						9,8
116,0							5,7	9,5						7,9
120,0								7,5						5,9
124,0								6,0						
128,0														
132,0														
* n *	4	5	5	5	5	5	5	5	5	5	5	5	5	5
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 11°

138m

12m

150




t

65

t






22.01

	SL2DB 138m	F 11° 12m	 t	 t	 zz t yy m		
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22.01

	SL2DB 138m	F 11° 12m	 t	 t	 zz t yy m		
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22.01

	SL2DB 138m	F 13° 18m					
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22.01

	SL2DB 138m	F 13° 18m					
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

22.01

	SL2DB 138m	F 13° 18m					
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074548

*** 201

22.01

 m	 m > t													
	138,0	138,0	138,0	138,0	138,0	138,0	138,0	138,0	138,0	138,0	138,0	138,0	138,0	138,0
26,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0
28,0	46,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0	48,0	51,0	51,0	51,0	51,0	51,0
30,0	41,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	43,0	50,0	50,0	50,0	50,0	50,0
32,0	36,5	51,0	51,0	51,0	51,0	51,0	51,0	51,0	38,5	49,5	49,5	49,5	49,5	49,5
34,0	32,5	47,0	50,0	50,0	50,0	50,0	50,0	50,0	34,0	49,0	49,0	49,0	49,0	49,0
36,0	28,9	42,5	49,5	49,5	49,5	49,5	49,5	49,5	30,5	47,5	48,0	48,0	48,0	48,0
38,0	25,6	38,5	48,5	48,5	48,5	48,5	48,5	48,5	27,0	43,5	47,5	47,5	47,5	47,5
40,0	22,5	35,0	47,5	48,0	48,0	48,0	48,0	48,0	23,9	39,5	46,5	46,5	46,5	46,5
44,0	17,1	28,7	40,0	46,5	46,5	46,5	46,5	46,5	18,4	33,0	45,0	45,0	45,0	45,0
48,0	12,5	23,2	34,0	44,5	45,0	45,0	45,0	45,0	13,7	27,2	40,5	43,5	43,5	43,5
52,0	8,5	18,5	28,5	38,5	43,5	43,5	43,5	43,5	9,6	22,2	35,0	42,0	42,0	42,0
56,0	5,0	14,4	23,7	33,0	42,0	42,0	42,0	42,0	6,0	17,8	29,7	40,5	40,5	40,5
60,0		10,7	19,6	28,4	37,0	40,5	40,5	40,5		14,0	25,1	36,5	39,0	39,0
64,0		7,5	15,8	24,2	32,5	38,5	39,0	39,0		10,6	21,1	31,5	37,0	37,0
68,0			12,5	20,4	28,3	36,0	37,0	37,0		7,6	17,5	27,5	35,5	35,5
72,0			9,6	17,1	24,6	32,0	35,5	35,5			14,3	23,8	33,0	34,0
76,0			6,9	14,0	21,2	28,3	34,0	34,0			11,4	20,4	29,4	32,5
80,0				11,3	18,1	24,9	31,5	32,0			8,7	17,3	26,0	31,0
84,0				8,7	15,3	21,8	28,3	30,0			6,3	14,6	22,8	28,7
88,0				6,4	12,7	19,0	25,2	28,3				12,0	19,9	26,7
92,0					10,3	16,3	22,4	26,4				9,7	17,3	24,6
96,0					8,1	13,9	19,6	24,6				7,5	14,8	22,2
100,0					6,1	11,7	17,2	22,0				5,5	12,6	19,6
104,0						9,7	14,7	19,4					10,5	17,3
108,0						7,7	12,3	16,8					8,6	14,8
112,0						6,0	9,9	14,1					6,7	12,1
116,0							7,8	11,7					5,1	9,8
120,0							6,4	10,1						8,4
124,0							5,0	8,5						6,9
128,0								6,9						5,5
132,0								5,3						
136,0														
140,0														
144,0														
* n *	3	3	3	3	3	3	3	3	3	3	3	3	3	3
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 13°

138m

24m

150

t

65




t



074548

*** 201

22.01

 m	 m > < t													
	138,0	138,0	138,0	138,0	138,0	138,0	138,0	138,0	138,0	138,0	138,0	138,0	138,0	138,0
26,0	52,0	52,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	49,5	49,5	49,5	49,5
28,0	51,0	51,0	49,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	49,0	49,0	49,0	49,0
30,0	50,0	50,0	44,0	49,5	49,5	49,5	49,5	49,5	49,5	49,5	46,0	48,0	48,0	48,0
32,0	49,5	49,5	39,5	48,5	48,5	48,5	48,5	48,5	48,5	48,5	41,0	47,5	47,5	47,5
34,0	49,0	49,0	35,0	48,0	48,0	48,0	48,0	48,0	48,0	48,0	37,0	46,5	46,5	46,5
36,0	48,0	48,0	31,5	47,0	47,0	47,0	47,0	47,0	47,0	47,0	33,0	46,0	46,0	46,0
38,0	47,5	47,5	28,0	46,5	46,5	46,5	46,5	46,5	46,5	46,5	29,4	45,0	45,0	45,0
40,0	46,5	46,5	24,8	43,0	45,5	45,5	45,5	45,5	45,5	45,5	26,2	44,0	44,0	44,0
44,0	45,0	45,0	19,2	36,0	44,0	44,0	44,0	44,0	44,0	44,0	20,5	40,0	42,5	42,5
48,0	43,5	43,5	14,4	29,8	42,5	42,5	42,5	42,5	42,5	42,5	15,6	34,0	41,0	41,0
52,0	42,0	42,0	10,3	24,7	39,0	41,0	41,0	41,0	41,0	41,0	11,4	28,4	39,5	39,5
56,0	40,5	40,5	6,7	20,2	33,5	39,5	39,5	39,5	39,5	39,5	7,7	23,7	38,0	38,0
60,0	39,0	39,0		16,2	28,9	38,0	38,0	38,0	38,0	38,0		19,5	34,5	36,5
64,0	37,0	37,0		12,7	24,6	36,0	36,5	36,5	36,5	36,5		15,8	30,0	35,0
68,0	35,5	35,5		9,5	20,9	32,0	35,0	35,0	35,0	35,0		12,4	25,9	34,0
72,0	34,0	34,0		6,7	17,5	28,3	33,5	33,5	33,5	33,5		9,5	22,3	32,5
76,0	32,5	32,5			14,4	24,7	32,0	32,0	32,0	32,0		6,8	19,0	31,0
80,0	31,0	31,0			11,6	21,4	30,0	30,5	30,5	30,5			16,0	27,6
84,0	30,0	30,5			9,1	18,5	27,7	29,7	29,7	29,7			13,2	24,4
88,0	29,3	29,3			6,8	15,8	24,8	28,9	28,9	28,9			10,7	21,4
92,0	28,4	28,4				13,3	21,9	28,0	28,0	28,0			8,5	18,7
96,0	27,5	27,5				11,0	19,3	27,2	27,2	27,2			6,3	16,2
100,0	25,3	26,2				8,9	16,9	24,9	26,0	26,4				13,9
104,0	22,9	25,0				6,9	14,7	22,3	24,8	25,9				11,8
108,0	20,5	23,8				5,1	12,6	19,8	23,6	25,3				9,8
112,0	18,1	22,6					10,5	17,2	22,4	24,8				7,9
116,0	15,8	21,2					8,3	14,8	21,1	24,2				6,2
120,0	13,8	19,1					6,9	12,8	18,9	22,6				
124,0	11,8	16,9					5,5	10,9	16,8	21,1				
128,0	9,8	14,7						9,0	14,6	19,6				
132,0	7,9	12,6						7,2	12,4	18,1				
136,0	6,6	10,7						6,0	10,5	16,1				
140,0	5,4	9,1							8,9	14,2				
144,0		7,8							7,7	12,4				
* n *	3	3	3	3	3	3	3	3	3	3	3	3	3	3
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	350,0	0,0	50,0	100,0	150,0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL2DB

F 13°

138m

24m

150

t



65

t



yy m

22.01

	SL2DB 138m	F 13° 24m					
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22.00

	SL4DB 72m	F 11° 12m					
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22.00

	SL4DB 72m	F 11° 12m	 t	 t	 zz t yy m		
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22.00

	SL4DB 72m	F 16° 12m					
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22.00

	SL4DB 72m	F 16° 12m	 t	 t	 zz t yy m		
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22.00

	SL4DB 72m	F 31° 12m					
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22.00

	SL4DB 72m	F 31° 12m					
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22.00

	SL4DB 72m	F 13° 18m					
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
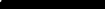
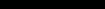
22.00

	SL4DB 72m	F 13° 18m					
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22.00

	SL4DB 72m	F 18° 18m					
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


22.00

	SL4DB 72m	F 18° 18m					
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22.00

	SL4DB 72m	F 32° 18m					
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22.00

	SL4DB 72m	F 32° 18m	 t	 t	 zz t yy m		
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22.00

	SL4DB 72m	F 13° 24m					
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22.00

	SL4DB 72m	F 18° 24m					
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22.00

	SL4DB 72m	F 30° 24m					
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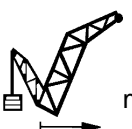


22.00

	SL4DB 72m	F 12° 30m					
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074548

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22.00

 m	 m > < t											CODE > 3448 < B181 9418.x(x)		
	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0			
22,0	55,0	55,0	55,0	55,0	55,0	55,0	55,0	55,0	55,0	55,0	55,0			
24,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0			
26,0	49,5	49,5	49,5	49,5	49,5	49,5	49,5	49,5	49,5	49,5	49,5			
28,0	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5			
30,0	45,0	45,0	45,0	45,0	45,0	45,0	45,0	45,0	45,0	45,0	45,0			
32,0	43,0	43,0	43,0	43,0	43,0	43,0	43,0	43,0	43,0	43,0	43,0			
34,0	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5			
36,0	39,5	39,5	39,5	39,5	39,5	39,5	39,5	39,5	39,5	39,5	39,5			
38,0	38,0	38,0	38,0	38,0	38,0	38,0	38,0	38,0	38,0	38,0	38,0			
40,0	37,0	37,0	37,0	37,0	37,0	37,0	37,0	37,0	37,0	37,0	37,0			
44,0	34,0	34,0	34,0	34,0	34,0	34,0	34,0	34,0	34,0	34,0	34,0			
48,0	32,0	32,0	32,0	32,0	32,0	32,0	32,0	32,0	32,0	32,0	32,0			
52,0	29,8	29,8	29,8	29,8	29,8	29,8	29,8	29,8	29,8	29,8	29,8			
56,0	27,4	28,0	28,0	28,0	28,0	28,0	28,0	28,0	28,0	28,0	28,0			
60,0	23,9	26,5	26,5	24,7	26,5	26,5	25,3	26,5	26,5	26,1	26,5			
64,0	20,6	24,9	24,9	21,4	24,9	24,9	21,9	24,9	24,9	22,7	24,9			
68,0	17,7	23,7	23,7	18,5	23,7	23,7	19,0	23,7	23,7	19,7	23,7			
72,0	15,2	22,6	22,6	15,9	22,6	22,6	16,4	22,6	22,6	17,1	22,6			
76,0	12,9	21,0	21,6	13,6	21,6	21,6	14,0	21,6	21,6	14,7	21,6			
80,0	10,9	18,5	20,7	11,5	20,7	20,7	11,9	20,7	20,7	12,5	20,7			
84,0	9,1	16,3	19,9	9,6	18,4	19,9	10,0	19,8	19,9	10,6	19,9			
88,0	7,4	14,2	19,2	7,9	16,2	19,2	8,3	17,6	19,2	8,9	19,2			
92,0	5,8	12,4	18,0	6,4	14,3	18,0	6,7	15,5	18,0	7,2	17,4			
* n *	4	4	4	4	4	4	4	4	4	4	4			
yy	10,0	10,0	10,0	13,0	13,0	13,0	15,0	15,0	15,0	18,0	18,0			
zz	0,0	50,0	100,0	0,0	50,0	100,0	0,0	50,0	100,0	0,0	50,0			
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0			

SL4DB

F 16°

72m

30m

150

t

65

t



yy m



22.00

	SL4DB 72m	F 28° 30m					
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22.00

	SL4DB 72m	F 10° 36m					
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22.00

	SL4DB 72m	F 14° 36m					
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22.00

	SL4DB 72m	F 26° 36m					
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074548

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22.00

	m	m > < t													CODE > 3453 < B181 9510 .x(x)	
		78,0	78,0	78,0	78,0	78,0	78,0	78,0	78,0	78,0	78,0	78,0	78,0	78,0	78,0	78,0
14,0			137,0	137,0	137,0	137,0	137,0	137,0	137,0		137,0	137,0	137,0	137,0	137,0	137,0
16,0	136,0		137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0	137,0
18,0	120,0		137,0	137,0	137,0	137,0	137,0	137,0	137,0	123,0	137,0	137,0	137,0	137,0	137,0	137,0
20,0	106,0		133,0	137,0	137,0	137,0	137,0	137,0	137,0	109,0	137,0	137,0	137,0	137,0	137,0	137,0
22,0	95,0		119,0	137,0	137,0	137,0	137,0	137,0	137,0	98,0	128,0	137,0	137,0	137,0	137,0	137,0
24,0	85,0		108,0	130,0	135,0	135,0	135,0	135,0	135,0	88,0	116,0	135,0	135,0	135,0	135,0	135,0
26,0	77,0		98,0	119,0	131,0	131,0	131,0	131,0	131,0	79,0	106,0	131,0	131,0	131,0	131,0	131,0
28,0	70,0		90,0	109,0	126,0	126,0	126,0	126,0	126,0	72,0	97,0	122,0	126,0	126,0	126,0	126,0
30,0	64,0		82,0	101,0	119,0	120,0	120,0	120,0	120,0	66,0	89,0	112,0	120,0	120,0	120,0	120,0
32,0	58,0		76,0	93,0	110,0	115,0	115,0	115,0	115,0	60,0	82,0	104,0	115,0	115,0	115,0	115,0
34,0	53,0		70,0	86,0	102,0	110,0	110,0	110,0	110,0	55,0	76,0	96,0	110,0	110,0	110,0	110,0
36,0	49,0		64,0	80,0	96,0	105,0	105,0	105,0	105,0	51,0	70,0	90,0	105,0	105,0	105,0	105,0
38,0	45,0		60,0	75,0	89,0	101,0	101,0	101,0	101,0	46,5	65,0	84,0	101,0	101,0	101,0	101,0
40,0	41,5		55,0	70,0	84,0	97,0	97,0	97,0	97,0	43,0	61,0	78,0	96,0	97,0	97,0	97,0
44,0	35,0		48,0	61,0	74,0	87,0	90,0	90,0	90,0	36,5	53,0	69,0	85,0	90,0	90,0	90,0
48,0	29,9		42,0	54,0	66,0	77,0	84,0	84,0	84,0	31,0	46,0	61,0	76,0	84,0	84,0	84,0
52,0	25,4		36,5	47,5	58,0	70,0	79,0	79,0	79,0	26,6	40,5	54,0	68,0	79,0	79,0	79,0
56,0	21,6		32,0	42,0	52,0	63,0	72,0	74,0	74,0	22,5	35,5	48,5	61,0	73,0	75,0	75,0
60,0	18,0		27,9	37,5	47,0	57,0	66,0	70,0	71,0	18,9	31,5	43,0	55,0	66,0	71,0	71,0
64,0	14,9		24,4	33,5	42,5	52,0	59,0	66,0	67,0	15,7	27,4	38,5	49,5	60,0	67,0	67,0
68,0	12,2		21,2	29,9	38,5	47,0	54,0	61,0	64,0	13,0	23,9	34,5	45,0	55,0	63,0	63,0
72,0	9,8		18,3	26,7	35,0	42,5	49,0	56,0	61,0	10,5	20,8	31,0	41,0	50,0	59,0	59,0
76,0	7,7		15,7	23,8	31,5	38,5	44,5	51,0	57,0	8,4	18,1	27,8	37,0	46,5	54,0	54,0
80,0	5,8		13,4	21,0	28,6	35,0	41,0	47,0	53,0	6,5	15,6	24,8	34,0	42,5	50,0	50,0
* n *	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
yy	10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0	13,0	13,0	13,0	13,0	13,0	13,0	13,0
zz	0,0	50,0	100,0	150,0	200,0	250,0	300,0	350,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	250,0
	m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL4DB

F 11°

78m

12m

150

t

65

t



yy m

22.00

	SL4DB 78m	F 11° 12m					
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22.00

	SL4DB 78m	F 16° 12m					
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22.00

	SL4DB 78m	F 16° 12m					
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22.00

	SL4DB 78m	F 31° 12m					
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22.00

	SL4DB 78m	F 31° 12m					
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22.00

	SL4DB 78m	F 13° 18m					
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22.00

	SL4DB 78m	F 13° 18m					
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22.00

	SL4DB 78m	F 18° 18m					
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22.00

	SL4DB 78m	F 18° 18m					
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22.00

	SL4DB 78m	F 32° 18m					
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22.00

	SL4DB 78m	F 32° 18m					
--	--------------	--------------	---	---	--	--	--

22.00

	SL4DB 78m	F 13° 24m					
--	--------------	--------------	---	---	--	--	--



22.00

	SL4DB 78m	F 13° 24m					
--	--------------	--------------	---	---	---	--	--

22.00

	SL4DB 78m	F 18° 24m					
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22.00

	SL4DB 78m	F 18° 24m					
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22.00

	SL4DB 78m	F 30° 24m					
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22.00

	SL4DB 78m	F 30° 24m					
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22.00

	SL4DB 78m	F 12° 30m					
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22.00




	SL4DB 78m	F 16° 30m					
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22.00

The diagram shows a crane system with the following components and labels:

- SL4DB**: Label for the first component (leftmost).
- F 28°**: Label for the second component.
- 78m**: Label for the third component.
- 30m**: Label for the fourth component.
- 150**: Label for the fifth component.
- 65**: Label for the sixth component.
- zz t**: Label for the seventh component.
- yy m**: Label for the eighth component.


22.00

	SL4DB 78m	F 10° 36m					
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22.00

	SL4DB 78m	F 14° 36m	 t	 t	 zz t yy m		
--	--------------	--------------	--	--	--	--	--

22.00

	SL4DB 78m	F 26° 36m					
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22.00

22.00

	SL4DB 84m	F 11° 12m					
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22.00


Diagram illustrating a crane system. The table shows the following data:

SL4DB	F 11°
84m	12m

Below the table are three icons:

- A crane hook with a weight labeled 150 and a dimension t.
- A crane hook with a weight labeled 65 and a dimension t.
- A crane hook with a weight labeled t and dimensions yy m and zz t.




22.00

	SL4DB 84m	F 16° 12m	 t	 t	 zz t yy m		
--	--------------	--------------	--	--	--	--	--




22.00

	SL4DB 84m	F 16° 12m					
--	--------------	--------------	---	---	--	--	--

22.00

	SL4DB 84m	F 16° 12m					
--	--------------	--------------	---	---	---	--	--

22.00

	SL4DB 84m	F 31° 12m					
--	--------------	--------------	---	---	--	--	--

22.00

	SL4DB 84m	F 31° 12m					
--	--------------	--------------	---	---	--	--	--

22.00

	SL4DB 84m	F 13° 18m					
--	--------------	--------------	---	---	--	--	--

22.00

	SL4DB 84m	F 13° 18m					
--	--------------	--------------	---	---	--	--	--

22.00

	SL4DB 84m	F 18° 18m					
--	--------------	--------------	---	---	---	--	--

22.00

22.00

	SL4DB 84m	F 32° 18m					
--	--------------	--------------	---	---	---	--	--

22.00

	SL4DB 84m	F 32° 18m					
--	--------------	--------------	---	---	--	--	--

22.00

	SL4DB 84m	F 13° 24m					
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22.00

	SL4DB 84m	F 13° 24m					
--	--------------	--------------	---	---	--	--	--

22.00

	SL4DB 84m	F 18° 24m					
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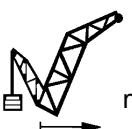


22.00

	SL4DB 84m	F 18° 24m					
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22.00

 m	 m > t													
	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0
26,0	42,5	42,5	42,5	42,5	42,5	42,5	42,5	42,5	42,5	42,5	42,5	42,5	42,5	42,5
28,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0
30,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0
32,0	39,0	39,0	39,0	39,0	39,0	39,0	39,0	39,0	39,0	39,0	39,0	39,0	39,0	39,0
34,0	38,0	38,0	38,0	38,0	38,0	38,0	38,0	38,0	38,0	38,0	38,0	38,0	38,0	38,0
36,0	37,0	37,0	37,0	37,0	37,0	37,0	37,0	37,0	37,0	37,0	37,0	37,0	37,0	37,0
38,0	36,5	36,5	36,5	36,5	36,5	36,5	36,5	36,5	36,5	36,5	36,5	36,5	36,5	36,5
40,0	35,5	35,5	35,5	35,5	35,5	35,5	35,5	35,5	35,5	35,5	35,5	35,5	35,5	35,5
44,0	34,0	34,0	34,0	34,0	34,0	34,0	34,0	34,0	34,0	34,0	34,0	34,0	34,0	34,0
48,0	32,5	32,5	32,5	32,5	32,5	32,5	32,5	32,5	32,5	32,5	32,5	32,5	32,5	32,5
52,0	29,4	31,0	31,0	31,0	31,0	30,5	31,0	31,0	31,0	31,0	31,0	31,0	31,0	31,0
56,0	25,3	30,0	30,0	30,0	30,0	26,4	30,0	30,0	30,0	30,0	27,1	30,0	30,0	30,0
60,0	21,7	28,9	28,9	28,9	28,9	22,7	28,9	28,9	28,9	28,9	23,3	28,9	28,9	28,9
64,0	18,4	27,3	28,1	28,1	28,1	19,4	28,1	28,1	28,1	28,1	20,0	28,1	28,1	28,1
68,0	15,6	24,0	27,3	27,3	27,3	16,5	27,1	27,3	27,3	27,3	17,0	27,3	27,3	27,3
72,0	13,0	21,0	26,4	26,5	26,5	13,8	23,9	26,5	26,5	26,5	14,4	25,8	26,5	26,5
76,0	10,7	18,3	25,7	25,9	25,9	11,4	21,0	25,9	25,9	25,9	11,9	22,7	25,9	25,9
80,0	8,5	15,8	23,0	25,3	25,3	9,2	18,4	25,3	25,3	25,3	9,6	19,9	25,3	25,3
84,0	6,6	13,5	20,5	24,6	24,8	7,2	15,9	24,3	24,8	24,8	7,6	17,3	24,8	24,8
88,0		11,5	18,1	23,8	24,5	5,3	13,6	21,9	24,5	24,5	5,7	15,0	24,2	24,5
92,0		9,5	15,9	22,3	24,1		11,5	19,4	24,1	24,1		12,8	21,6	24,1
* n *	3	3	3	3	3	3	3	3	3	3	3	3	3	3
yy	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	15.0	15.0	15.0	15.0
zz	0.0	50.0	100.0	150.0	200.0	0.0	50.0	100.0	150.0	200.0	0.0	50.0	100.0	150.0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL4DB

84m

F 30°

24m

150


t

65

t



22.00

	SL4DB 84m	F 30° 24m					
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22.00

	SL4DB 84m	F 12° 30m					
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22.00

The diagram shows a crane system. On the left, a table with two columns and two rows contains the following data:

SL4DB	F 12°
84m	30m




To the right of the table are three icons in boxes:

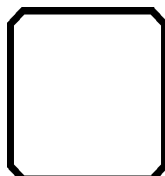
- A crane hook with a weight labeled "150" and a dimension "t" below it.
- A crane hook with a weight labeled "65" and a dimension "t" below it.
- A crane hook with a weight labeled "zz t" and a dimension "yy m" below it.

074548

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22.00

 m	 m > < t														CODE > 3478 < B181 9618.x(x)	
	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0	84,0
24,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0
26,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0
28,0	49,0	49,0	49,0	49,0	49,0	49,0	49,0	49,0	49,0	49,0	49,0	49,0	49,0	49,0	49,0	49,0
30,0	47,0	47,0	47,0	47,0	47,0	47,0	47,0	47,0	47,0	47,0	47,0	47,0	47,0	47,0	47,0	47,0
32,0	45,0	45,0	45,0	45,0	45,0	45,0	45,0	45,0	45,0	45,0	45,0	45,0	45,0	45,0	45,0	45,0
34,0	43,5	43,5	43,5	43,5	43,5	43,5	43,5	43,5	43,5	43,5	43,5	43,5	43,5	43,5	43,5	43,5
36,0	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5
38,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0
40,0	38,5	38,5	38,5	38,5	38,5	38,5	38,5	38,5	38,5	38,5	38,5	38,5	38,5	38,5	38,5	38,5
44,0	36,0	36,0	36,0	36,0	36,0	36,0	36,0	36,0	36,0	36,0	36,0	36,0	36,0	36,0	36,0	36,0
48,0	32,0	34,0	34,0	34,0	34,0	34,0	33,5	34,0	34,0	34,0	34,0	34,0	34,0	34,0	34,0	34,0
52,0	27,6	32,0	32,0	32,0	32,0	32,0	28,7	32,0	32,0	32,0	29,5	32,0	32,0	32,0	32,0	30,5
56,0	23,7	30,0	30,0	30,0	30,0	30,0	24,7	30,0	30,0	30,0	25,5	30,0	30,0	30,0	30,0	26,5
60,0	20,3	28,3	28,3	28,3	28,3	28,3	21,3	28,3	28,3	28,3	21,9	28,3	28,3	28,3	28,3	22,9
64,0	17,3	26,1	27,0	27,0	27,0	27,0	18,2	27,0	27,0	27,0	18,8	27,0	27,0	27,0	27,0	19,7
68,0	14,6	22,9	25,6	25,6	25,6	25,6	15,4	25,6	25,6	25,6	16,0	25,6	25,6	25,6	25,6	16,9
72,0	12,2	20,1	24,3	24,3	24,3	24,3	13,0	23,0	24,3	24,3	13,5	24,3	24,3	24,3	24,3	14,4
76,0	10,0	17,5	23,3	23,3	23,3	23,3	10,8	20,3	23,3	23,3	11,3	22,1	23,3	23,3	23,3	12,1
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88,0		11,2	17,7	20,7	20,7	20,7	5,3	13,6	20,6	20,7	5,7	15,0	20,7	20,7	20,7	6,3
92,0		9,4	15,7	20,0	20,0	20,0		11,7	19,6	20,0		13,0	20,0	20,0	20,0	
96,0		7,8	13,9	19,3	19,3	19,3		9,9	17,5	19,3		11,1	19,3	19,3	19,3	
100,0		6,3	12,2	18,0	18,8	18,8		8,3	15,5	18,8		9,4	17,5	18,8	18,8	
104,0			10,6	16,2	17,1	17,1		6,7	13,7	17,1		7,8	15,6	17,2	17,2	
* n *	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
yy	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	15.0	15.0	15.0	15.0	15.0	18.0	
zz	0.0	50.0	100.0	150.0	200.0	0.0	50.0	100.0	150.0	0.0	50.0	100.0	150.0	0.0		
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

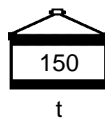


SL4DB

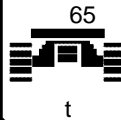
84m

F 16°

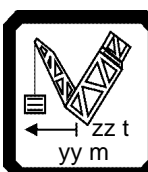
30m



t

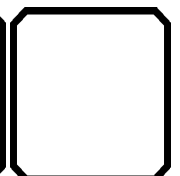
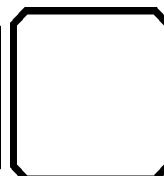


t



yy m




zz t



22.00

	SL4DB 84m	F 16° 30m					
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22.00

	SL4DB 84m	F 28° 30m					
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22.00

	SL4DB 84m	F 10° 36m					
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22.00

	SL4DB 84m	F 14° 36m					
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22.00

22.00

	SL4DB 90m	F 11° 12m	 t	 t	 zz t yy m		
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22.00

	SL4DB 90m	F 11° 12m	 t	 t	 zz t yy m		
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22.00

	SL4DB 90m	F 11° 12m	 t	 t	 zz t yy m		
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22.00

	SL4DB 90m	F 16° 12m					
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22.00

	SL4DB 90m	F 16° 12m					
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22.00

	SL4DB 90m	F 16° 12m	 t	 t	 zz t yy m		
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22.00

The diagram shows a bridge structure with the following components labeled:

- SL4DB** and **90m**: Labels for the bridge deck.
- F 31°** and **12m**: Labels for the bridge height and width.
- 150** and **t**: Labels for the bridge width and weight.
- 65** and **t**: Labels for the bridge height and weight.
- zz t** and **yy m**: Labels for the bridge height and weight.

22.00

	SL4DB 90m	F 31° 12m					
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22.00

	SL4DB 90m	F 31° 12m					
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22.00

	SL4DB 90m	F 13° 18m					
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22.00

	SL4DB 90m	F 13° 18m					
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22.00

	SL4DB 90m	F 18° 18m					
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22.00

	SL4DB 90m	F 18° 18m					
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22.00

	SL4DB 90m	F 32° 18m	 t	 t	 zz t yy m		
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22.00

	SL4DB 90m	F 32° 18m					
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22.00

	SL4DB 90m	F 13° 24m					
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22.00

	SL4DB 90m	F 13° 24m					
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22.00

	SL4DB 90m	F 18° 24m					
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22.00

	SL4DB 90m	F 18° 24m					
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22.00

	SL4DB 90m	F 30° 24m					
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22.00

	SL4DB 90m	F 30° 24m					
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22.00

	SL4DB 90m	F 12° 30m					
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22.00

	SL4DB 90m	F 12° 30m					
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22.00

	SL4DB 90m	F 16° 30m					
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22.00

	SL4DB 90m	F 16° 30m	 t	 t	 zz t yy m		
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22.00

	SL4DB 90m	F 28° 30m					
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22.00

	SL4DB 90m	F 10° 36m					
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22.00

	SL4DB 90m	F 14° 36m					
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22.00

	SL4DB 90m	F 26° 36m					
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22.00

	SL4DB 96m	F 11° 12m					
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22.00

	SL4DB 96m	F 11° 12m					
--	--------------	--------------	---	---	--	--	--

22.00

	SL4DB 96m	F 11° 12m	 t	 t	 zz t yy m		
--	--------------	--------------	--	--	--	--	--




22.00

	SL4DB 96m	F 16° 12m					
--	--------------	--------------	---	---	--	--	--



22.00

	SL4DB 96m	F 16° 12m					
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22.00

	SL4DB 96m	F 16° 12m					
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22.00

	SL4DB 96m	F 31° 12m					
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22.00

	SL4DB 96m	F 31° 12m					
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22.00

	SL4DB 96m	F 31° 12m					
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22.00

	SL4DB 96m	F 13° 18m					
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22.00

	SL4DB 96m	F 13° 18m					
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22.00

	SL4DB 96m	F 13° 18m					
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22.00

	SL4DB 96m	F 18° 18m					
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22.00

	SL4DB 96m	F 18° 18m					
--	--------------	--------------	---	---	---	--	--

22.00

	SL4DB 96m	F 32° 18m					
--	--------------	--------------	---	---	--	--	--

22.00

	SL4DB 96m	F 32° 18m					
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22.00

	SL4DB 96m	F 13° 24m					
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22.00

	SL4DB 96m	F 13° 24m					
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22.00

	SL4DB 96m	F 18° 24m					
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22.00

	SL4DB 96m	F 18° 24m					
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22.00

	SL4DB 96m	F 30° 24m					
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

22.00

	SL4DB 96m	F 30° 24m					
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074548

*** 196

22.00

 m	 m > < t														CODE > 3507 < B181 9813.x(x)	
	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0
22,0			65,0	65,0	65,0	65,0	65,0	65,0		67,0	67,0	67,0	67,0	67,0		
24,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0
26,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0
28,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	59,0	59,0	59,0	59,0	59,0	59,0	59,0	59,0
30,0	57,0	57,0	57,0	57,0	57,0	57,0	57,0	57,0	57,0	57,0	57,0	57,0	57,0	57,0	57,0	57,0
32,0	52,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0
34,0	48,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0	49,5	52,0	52,0	52,0	52,0	52,0	52,0	51,0
36,0	44,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	45,5	50,0	50,0	50,0	50,0	50,0	50,0	46,5
38,0	40,5	48,5	48,5	48,5	48,5	48,5	48,5	48,5	42,0	48,0	48,0	48,0	48,0	48,0	48,0	42,5
40,0	37,0	46,5	46,5	46,5	46,5	46,5	46,5	46,5	38,5	46,5	46,5	46,5	46,5	46,5	46,5	39,5
44,0	31,0	43,5	43,5	43,5	43,5	43,5	43,5	43,5	32,5	43,5	43,5	43,5	43,5	43,5	43,5	33,0
48,0	26,1	37,5	40,5	40,5	40,5	40,5	40,5	40,5	27,3	40,5	40,5	40,5	40,5	40,5	40,5	28,1
52,0	21,9	32,5	37,5	37,5	37,5	37,5	37,5	37,5	23,0	36,0	37,5	37,5	37,5	37,5	37,5	23,7
56,0	18,2	28,0	35,5	35,5	35,5	35,5	35,5	35,5	19,2	31,5	35,5	35,5	35,5	35,5	35,5	19,9
60,0	14,9	24,1	33,5	33,5	33,5	33,5	33,5	33,5	15,9	27,5	33,5	33,5	33,5	33,5	33,5	16,5
64,0	12,1	20,7	29,4	31,5	31,5	31,5	31,5	31,5	13,0	23,9	31,5	31,5	31,5	31,5	31,5	13,6
68,0	9,5	17,7	25,9	29,9	30,0	30,0	30,0	30,0	10,4	20,7	29,9	29,9	29,9	29,9	29,9	10,9
72,0	7,2	15,0	22,8	28,5	28,5	28,5	28,5	28,5	8,0	17,9	27,7	28,5	28,5	28,5	28,5	8,6
76,0	5,2	12,6	20,0	27,0	27,0	27,0	27,0	27,0	5,9	15,3	24,6	27,0	27,0	27,0	27,0	6,4
80,0		10,4	17,4	24,5	25,8	25,8	25,8	25,8		13,0	21,9	25,8	25,8	25,8	25,8	
84,0		8,4	15,1	21,9	24,7	24,7	24,7	24,7		10,8	19,4	24,7	24,7	24,7	24,7	
88,0		6,5	13,0	19,5	23,7	23,7	23,7	23,7		8,9	17,1	23,6	23,6	23,6	23,6	
92,0			11,1	17,3	22,5	22,6	22,6	22,6		7,1	15,0	22,5	22,6	22,6	22,6	
96,0			9,3	15,3	20,7	21,8	21,8	21,8		5,5	13,1	20,7	21,8	21,8	21,8	
100,0			7,7	13,5	18,9	21,1	21,1	21,1			11,3	18,6	21,1	21,1	21,1	
104,0			6,2	11,8	17,1	20,3	20,3	20,3			9,7	16,7	20,3	20,3	20,3	
108,0				10,2	15,1	19,2	19,7	19,7			8,2	15,0	19,7	19,7	19,7	
112,0				8,7	13,2	17,6	19,2	19,2			6,8	13,2	18,6	19,2	19,2	
* n *	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	15.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	0.0	50.0	100.0	150.0	200.0	250.0	250.0	250.0	0.0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL4DB

F 12°

96m

30m

150

t

65

t






yy m


22.00

	SL4DB 96m	F 12° 30m	 t	 t	 zz t yy m		
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22.00

	SL4DB 96m	F 16° 30m					
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22.00

	SL4DB 96m	F 16° 30m					
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22.00

	SL4DB 96m	F 28° 30m					
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22.00

	SL4DB 96m	F 28° 30m	 t	 t	 zz t yy m		
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22.00

	SL4DB 96m	F 10° 36m					
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22.00

The diagram shows a crane system with the following components and labels:

- SL4DB**: Label for the first component (leftmost).
- F 14°**: Label for the second component.
- 96m**: Label for the third component.
- 36m**: Label for the fourth component.
- 150**: Label for the fifth component.
- 65**: Label for the sixth component.
- zz t**: Label for the seventh component.
- yy m**: Label for the eighth component.



22.00

	SL4DB 96m	F 26° 36m					
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22.00

	SL4DB 102m	F 11° 12m					
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22.00

	SL4DB 102m	F 11° 12m					
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22.00

	SL4DB 102m	F 11° 12m					
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22.00

	SL4DB 102m	F 16° 12m					
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22.00

	SL4DB 102m	F 16° 12m					
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22.00

	SL4DB 102m	F 16° 12m					
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22.00

	SL4DB 102m	F 31° 12m					
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22.00

	SL4DB 102m	F 31° 12m					
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22.00

	SL4DB 102m	F 31° 12m					
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

22.00

	SL4DB 102m	F 13° 18m	 t	 t	 zz t yy m		
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074548

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22.00

 m	 m > < t													
	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0
20,0	95,0	95,0	93,0	93,0	93,0	93,0	93,0	93,0	93,0	93,0	91,0	91,0	91,0	91,0
22,0	92,0	92,0	86,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0	88,0	88,0	88,0	88,0
24,0	90,0	90,0	77,0	87,0	87,0	87,0	87,0	87,0	87,0	87,0	79,0	85,0	85,0	85,0
26,0	87,0	87,0	69,0	85,0	85,0	85,0	85,0	85,0	85,0	85,0	71,0	83,0	83,0	83,0
28,0	84,0	84,0	63,0	82,0	82,0	82,0	82,0	82,0	82,0	82,0	65,0	80,0	80,0	80,0
30,0	82,0	82,0	57,0	80,0	80,0	80,0	80,0	80,0	80,0	80,0	59,0	78,0	78,0	78,0
32,0	79,0	79,0	52,0	75,0	78,0	78,0	78,0	78,0	78,0	78,0	53,0	76,0	76,0	76,0
34,0	77,0	77,0	47,0	69,0	75,0	75,0	75,0	75,0	75,0	75,0	48,5	74,0	74,0	74,0
36,0	74,0	74,0	42,5	64,0	73,0	73,0	73,0	73,0	73,0	73,0	44,5	69,0	71,0	71,0
38,0	72,0	72,0	39,0	59,0	71,0	71,0	71,0	71,0	71,0	71,0	40,5	64,0	70,0	70,0
40,0	71,0	71,0	35,5	55,0	69,0	69,0	69,0	69,0	69,0	69,0	37,0	60,0	68,0	68,0
44,0	67,0	67,0	29,4	47,0	65,0	66,0	66,0	66,0	66,0	66,0	30,5	52,0	65,0	65,0
48,0	64,0	64,0	24,2	40,5	57,0	62,0	62,0	62,0	62,0	62,0	25,4	45,0	61,0	61,0
52,0	60,0	60,0	19,8	35,0	50,0	59,0	59,0	59,0	59,0	59,0	20,9	39,0	57,0	59,0
56,0	57,0	57,0	16,0	30,0	44,5	56,0	56,0	56,0	56,0	56,0	17,0	34,0	51,0	56,0
60,0	54,0	54,0	12,7	26,0	39,5	53,0	54,0	54,0	54,0	54,0	13,6	29,4	45,0	53,0
64,0	51,0	51,0	9,7	22,3	35,0	47,5	51,0	51,0	51,0	51,0	10,6	25,5	40,5	51,0
68,0	49,0	49,0	7,1	19,0	31,0	43,0	49,0	49,0	49,0	49,0	8,0	22,1	36,0	49,0
72,0	46,5	46,5		16,1	27,3	38,5	46,5	46,5	46,5	46,5	5,6	19,0	32,5	45,5
76,0	45,0	45,0		13,4	24,1	35,0	43,5	45,0	45,0	45,0		16,2	28,9	41,5
80,0	43,5	43,5		11,0	21,3	31,5	41,0	43,5	43,5	43,5		13,7	25,8	38,0
84,0	41,5	41,5		8,9	18,7	28,5	38,0	41,5	41,5	41,5		11,4	23,0	34,5
88,0	40,0	40,5		6,9	16,3	25,7	35,0	40,0	40,5	40,5		9,3	20,4	31,5
92,0	38,0	39,0		5,1	14,1	23,2	32,0	37,5	39,0	39,0		7,4	18,1	28,4
96,0	36,5	38,0			12,2	20,8	28,8	35,5	38,0	38,0		5,7	15,9	25,7
100,0	34,0	37,0			10,4	18,7	26,0	33,0	37,0	37,0			13,9	23,2
104,0	31,5	36,0			8,7	16,6	23,6	30,5	36,0	36,0			12,0	20,9
108,0	28,8	34,5			7,2	14,6	21,3	27,8	34,0	35,0			10,2	18,8
* n *	6	6	6	6	6	6	6	6	6	6	6	6	6	6
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	350,0	0,0	50,0	100,0	150,0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL4DB

F 13°

102m

18m

150

t

65

t



zz t
yy m

22.00




The diagram illustrates a crane system with the following parameters and views:

SL4DB	F 13°
102m	18m

Three schematic views are provided:

- Top View:** A rectangular platform labeled '150' with a crane hook above it, labeled 't'.
- Side View:** A crane structure labeled '65' with a hook, labeled 't'.
- Front View:** A crane structure with a hook, labeled 't' and 'yy m'.




22.00

	SL4DB 102m	F 18° 18m					
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22.00

	SL4DB 102m	F 18° 18m					
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22.00

	SL4DB 102m	F 18° 18m					
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22.00

	SL4DB 102m	F 32° 18m					
--	---------------	--------------	---	---	---	--	--




22.00

	SL4DB 102m	F 32° 18m					
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22.00

	SL4DB 102m	F 32° 18m					
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22.00

	SL4DB 102m	F 13° 24m					
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22.00

	SL4DB 102m	F 13° 24m					
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22.00

	SL4DB 102m	F 18° 24m					
--	---------------	--------------	---	---	--	--	--

22.00

	SL4DB 102m	F 18° 24m					
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22.00

	SL4DB 102m	F 30° 24m					
--	---------------	--------------	---	---	---	--	--




22.00

	SL4DB 102m	F 30° 24m					
--	---------------	--------------	---	---	--	--	--

22.00

	SL4DB 102m	F 12° 30m					
--	---------------	--------------	---	---	--	--	--

22.00

	SL4DB 102m	F 12° 30m	 t	 t	 zz t yy m		
--	---------------	--------------	--	--	--	--	--




22.00

	SL4DB 102m	F 16° 30m					
--	---------------	--------------	---	---	--	--	--

22.00

	SL4DB 102m	F 16° 30m					
--	---------------	--------------	---	---	---	--	--

22.00

	SL4DB 102m	F 28° 30m					
--	---------------	--------------	---	---	--	--	--

22.00

	SL4DB 102m	F 28° 30m					
--	---------------	--------------	---	---	--	--	--




22.00

	SL4DB 102m	F 10° 36m					
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22.00

	SL4DB 102m	F 14° 36m					
--	---------------	--------------	---	---	---	--	--




22.00

	SL4DB 102m	F 26° 36m	 t	 t	 zz t yy m		
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074548

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22.00

 m	 m > t													
	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0
18,0	97,0	123,0	129,0	129,0	129,0	129,0	129,0	129,0	129,0	100,0	128,0	128,0	128,0	128,0
20,0	85,0	110,0	127,0	127,0	127,0	127,0	127,0	127,0	127,0	88,0	119,0	125,0	125,0	125,0
22,0	76,0	98,0	121,0	125,0	125,0	125,0	125,0	125,0	125,0	78,0	107,0	123,0	123,0	123,0
24,0	68,0	88,0	109,0	124,0	124,0	124,0	124,0	124,0	124,0	70,0	96,0	120,0	120,0	120,0
26,0	60,0	80,0	99,0	119,0	122,0	122,0	122,0	122,0	122,0	63,0	87,0	112,0	117,0	117,0
28,0	54,0	72,0	91,0	109,0	119,0	119,0	119,0	119,0	119,0	56,0	79,0	102,0	114,0	114,0
30,0	48,5	66,0	83,0	100,0	116,0	116,0	116,0	116,0	116,0	50,0	72,0	94,0	111,0	111,0
32,0	43,5	60,0	76,0	92,0	109,0	113,0	113,0	113,0	113,0	45,5	66,0	87,0	107,0	108,0
34,0	39,5	55,0	70,0	86,0	101,0	110,0	110,0	110,0	110,0	41,0	60,0	80,0	99,0	105,0
36,0	35,5	50,0	65,0	79,0	94,0	106,0	107,0	107,0	107,0	37,0	55,0	74,0	92,0	103,0
38,0	31,5	45,5	60,0	74,0	88,0	102,0	105,0	105,0	105,0	33,0	51,0	69,0	86,0	100,0
40,0	28,4	42,0	55,0	68,0	82,0	95,0	102,0	102,0	102,0	29,9	46,5	64,0	80,0	97,0
44,0	22,7	35,0	47,0	59,0	72,0	84,0	96,0	97,0	24,0	39,5	55,0	70,0	86,0	93,0
48,0	17,9	29,2	40,5	52,0	63,0	75,0	86,0	91,0	19,1	33,5	47,5	62,0	76,0	87,0
52,0	13,7	24,3	35,0	45,5	56,0	66,0	77,0	84,0	14,8	28,1	41,5	55,0	68,0	81,0
56,0	10,1	20,0	29,8	39,5	49,5	59,0	69,0	78,0	11,2	23,6	36,0	48,5	61,0	73,0
60,0	7,0	16,2	25,5	34,5	44,0	53,0	63,0	72,0	7,9	19,6	31,5	43,0	55,0	66,0
64,0		12,9	21,7	30,5	39,0	48,0	57,0	65,0	5,1	16,1	27,2	38,0	49,0	60,0
68,0		10,0	18,3	26,5	35,0	43,0	51,0	58,0		13,0	23,5	34,0	44,5	55,0
72,0		7,4	15,2	23,1	31,0	39,0	46,0	53,0		10,3	20,2	30,0	40,0	50,0
76,0		5,1	12,5	20,0	27,4	35,0	42,0	48,0		7,8	17,2	26,6	36,0	45,5
80,0			10,1	17,2	24,3	31,5	38,0	44,0		5,6	14,6	23,5	32,5	41,5
84,0			7,9	14,7	21,5	28,2	33,5	39,5			12,2	20,7	29,3	37,0
88,0			5,9	12,4	18,9	25,2	30,5	36,0			10,0	18,2	26,5	34,0
92,0				10,3	16,6	22,4	27,6	33,0			8,0	15,9	23,8	30,5
96,0				8,4	14,4	19,6	24,6	29,7			6,2	13,8	21,1	27,6
100,0				6,7	12,1	17,2	22,0	26,8				11,9	18,6	24,8
104,0				5,2	10,1	15,0	19,6	24,3				10,0	16,3	22,3
* n *	6	8	8	8	8	8	8	8	6	8	8	8	8	8
yy	10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0	13,0	13,0	13,0	13,0	13,0	13,0
zz	0,0	50,0	100,0	150,0	200,0	250,0	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL4DB

F 11°

108m

12m

150

t

65




t



074548

*** 196

22.00

 m	 m > < t CODE > 3528 < B181 9A10.x(x)													
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18,0	128,0	128,0	102,0	125,0	125,0	125,0	125,0	125,0	125,0	125,0	105,0	122,0	122,0	122,0
20,0	125,0	125,0	90,0	123,0	123,0	123,0	123,0	123,0	123,0	123,0	93,0	120,0	120,0	120,0
22,0	123,0	123,0	80,0	112,0	120,0	120,0	120,0	120,0	120,0	120,0	82,0	117,0	117,0	117,0
24,0	120,0	120,0	71,0	101,0	117,0	117,0	117,0	117,0	117,0	117,0	74,0	109,0	114,0	114,0
26,0	117,0	117,0	64,0	92,0	114,0	114,0	114,0	114,0	114,0	114,0	66,0	99,0	111,0	111,0
28,0	114,0	114,0	57,0	84,0	110,0	111,0	111,0	111,0	111,0	111,0	59,0	91,0	108,0	108,0
30,0	111,0	111,0	52,0	76,0	101,0	109,0	109,0	109,0	109,0	109,0	54,0	83,0	106,0	106,0
32,0	108,0	108,0	46,5	70,0	93,0	106,0	106,0	106,0	106,0	106,0	48,5	76,0	103,0	103,0
34,0	105,0	105,0	42,0	64,0	86,0	103,0	103,0	103,0	103,0	103,0	43,5	70,0	96,0	100,0
36,0	103,0	103,0	38,0	59,0	80,0	100,0	101,0	101,0	101,0	101,0	39,5	65,0	90,0	98,0
38,0	100,0	100,0	34,0	54,0	74,0	95,0	99,0	99,0	99,0	99,0	35,5	60,0	83,0	96,0
40,0	98,0	98,0	31,0	50,0	69,0	88,0	96,0	96,0	96,0	96,0	32,5	55,0	78,0	93,0
44,0	93,0	93,0	24,9	42,5	60,0	78,0	91,0	91,0	91,0	91,0	26,2	47,0	68,0	89,0
48,0	89,0	89,0	19,9	36,0	53,0	69,0	85,0	87,0	87,0	87,0	21,1	40,5	60,0	79,0
52,0	84,0	84,0	15,6	30,5	46,0	61,0	76,0	83,0	83,0	83,0	16,7	34,5	53,0	71,0
56,0	79,0	79,0	11,8	26,0	40,0	54,0	69,0	78,0	78,0	78,0	12,9	29,7	46,5	63,0
60,0	74,0	76,0	8,6	21,9	35,0	48,5	62,0	73,0	75,0	75,0	9,6	25,4	41,0	57,0
64,0	69,0	73,0	5,7	18,3	31,0	43,5	56,0	68,0	73,0	73,0	6,6	21,5	36,5	51,0
68,0	63,0	70,0		15,1	27,0	39,0	51,0	62,0	70,0	70,0		18,1	32,0	46,5
72,0	58,0	67,0		12,2	23,5	35,0	46,0	57,0	66,0	68,0		15,1	28,5	42,0
76,0	54,0	62,0		9,6	20,4	31,0	42,0	52,0	61,0	65,0		12,4	25,1	38,0
80,0	49,0	56,0		7,3	17,6	27,8	38,0	47,5	56,0	62,0		9,9	22,1	34,0
84,0	44,5	51,0		5,2	15,0	24,8	34,5	43,0	51,0	59,0		7,7	19,3	31,0
88,0	40,5	47,5			12,7	22,1	31,5	39,5	47,5	55,0		5,7	16,9	28,0
92,0	37,5	44,0			10,6	19,6	28,5	36,0	43,5	51,0			14,6	25,3
96,0	34,0	40,5			8,7	17,4	25,5	33,0	40,0	47,0			12,6	22,7
100,0	31,0	37,0			7,0	15,4	22,8	29,9	37,0	43,5			10,7	20,3
104,0	28,3	34,0			5,4	13,3	20,3	27,2	34,0	40,5			9,0	18,0
* n *	8	8	6	8	8	8	8	8	8	8	7	8	8	8
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	350,0	0,0	50,0	100,0	150,0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL4DB

F 11°

108m

12m

150

t

65

t



22.00

	SL4DB 108m	F 11° 12m					
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SL4DB

F 16°




108m

12m

074548

*** 196

22.00

 m	 m > < t														CODE > 3529 < B181 9A15.x(x)	
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18,0			118,0	118,0	118,0	118,0	118,0	118,0				117,0	117,0	117,0	117,0	
20,0	87,0	112,0	116,0	116,0	116,0	116,0	116,0	116,0	90,0	116,0	116,0	116,0	116,0	116,0	116,0	
22,0	78,0	100,0	115,0	115,0	115,0	115,0	115,0	115,0	80,0	108,0	113,0	113,0	113,0	113,0	113,0	
24,0	69,0	90,0	111,0	113,0	113,0	113,0	113,0	113,0	72,0	98,0	111,0	111,0	111,0	111,0	111,0	
26,0	62,0	82,0	101,0	112,0	112,0	112,0	112,0	112,0	64,0	89,0	108,0	108,0	108,0	108,0	108,0	
28,0	56,0	74,0	92,0	110,0	110,0	110,0	110,0	110,0	58,0	81,0	104,0	106,0	106,0	106,0	106,0	
30,0	50,0	67,0	85,0	102,0	108,0	108,0	108,0	108,0	52,0	74,0	95,0	103,0	103,0	103,0	103,0	
32,0	45,0	61,0	78,0	94,0	106,0	106,0	106,0	106,0	47,0	67,0	88,0	101,0	101,0	101,0	101,0	
34,0	40,5	56,0	71,0	87,0	102,0	103,0	103,0	103,0	42,5	62,0	81,0	99,0	99,0	99,0	99,0	
36,0	36,5	51,0	66,0	81,0	95,0	100,0	100,0	100,0	38,0	57,0	75,0	94,0	96,0	96,0	96,0	
38,0	33,0	47,0	61,0	75,0	89,0	97,0	98,0	98,0	34,5	52,0	70,0	87,0	94,0	94,0	94,0	
40,0	29,6	43,0	56,0	70,0	83,0	94,0	95,0	95,0	31,0	48,0	65,0	82,0	92,0	92,0	92,0	
44,0	23,8	36,0	48,5	61,0	73,0	85,0	90,0	90,0	25,1	40,5	56,0	72,0	87,0	88,0	88,0	
48,0	18,9	30,0	41,5	53,0	64,0	76,0	84,0	86,0	20,1	34,5	48,5	63,0	77,0	83,0	83,0	
52,0	14,7	25,2	36,0	46,5	57,0	67,0	78,0	82,0	15,8	29,1	42,5	56,0	69,0	79,0	79,0	
56,0	11,0	20,9	30,5	40,5	50,0	60,0	70,0	78,0	12,0	24,5	37,0	49,5	62,0	74,0	74,0	
60,0	7,8	17,1	26,3	35,5	45,0	54,0	63,0	72,0	8,8	20,5	32,0	44,0	56,0	67,0	67,0	
64,0	5,0	13,7	22,5	31,0	40,0	48,5	57,0	66,0	5,9	16,9	28,0	39,0	50,0	61,0	61,0	
68,0		10,8	19,0	27,3	35,5	44,0	52,0	59,0		13,8	24,2	34,5	45,0	56,0	56,0	
72,0		8,1	15,9	23,8	31,5	39,5	46,5	53,0		11,0	20,9	31,0	40,5	51,0	51,0	
76,0		5,7	13,2	20,6	28,1	35,5	42,5	49,0		8,5	17,9	27,3	36,5	46,0	46,0	
80,0			10,7	17,8	24,9	32,0	38,5	44,5		6,2	15,2	24,2	33,0	42,0	42,0	
84,0			8,4	15,3	22,1	28,9	34,5	40,0			12,7	21,3	29,9	38,0	38,0	
88,0			6,4	12,9	19,5	25,7	31,0	36,5			10,5	18,7	27,0	34,5	34,5	
92,0				10,8	17,1	22,9	28,1	33,0			8,5	16,4	24,3	31,0	31,0	
96,0				8,9	14,9	20,1	25,1	30,0			6,6	14,2	21,6	28,0	28,0	
100,0				7,1	12,6	17,6	22,4	27,2				12,3	19,0	25,2	25,2	
104,0				5,5	10,4	15,3	20,0	24,5				10,4	16,7	22,7	22,7	
* n *	5	7	7	7	7	7	7	7	6	7	7	7	7	7	7	
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	250.0	
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	

SL4DB

F 16°

108m

12m

150

t


65

t





yy m

22.00

	SL4DB 108m	F 16° 12m					
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

22.00

	SL4DB 108m	F 16° 12m					
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074548

*** 196

22.00

 m	 m > t													
	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0
22,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0
24,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	72,0	72,0	72,0	72,0	72,0	72,0
26,0	66,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	68,0	71,0	71,0	71,0	71,0	71,0
28,0	60,0	70,0	70,0	70,0	70,0	70,0	70,0	70,0	62,0	69,0	69,0	69,0	69,0	69,0
30,0	54,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0	56,0	68,0	68,0	68,0	68,0	68,0
32,0	48,5	65,0	67,0	67,0	67,0	67,0	67,0	67,0	50,0	66,0	66,0	66,0	66,0	66,0
34,0	44,0	59,0	65,0	65,0	65,0	65,0	65,0	65,0	45,5	65,0	65,0	65,0	65,0	65,0
36,0	40,0	55,0	64,0	64,0	64,0	64,0	64,0	64,0	41,5	60,0	64,0	64,0	64,0	64,0
38,0	36,0	50,0	62,0	63,0	63,0	63,0	63,0	63,0	37,5	55,0	63,0	63,0	63,0	63,0
40,0	32,5	46,0	59,0	62,0	62,0	62,0	62,0	62,0	34,0	51,0	61,0	61,0	61,0	61,0
44,0	26,5	39,0	51,0	60,0	60,0	60,0	60,0	60,0	27,8	43,5	59,0	59,0	59,0	59,0
48,0	21,4	32,5	44,0	55,0	57,0	57,0	57,0	57,0	22,6	37,0	51,0	57,0	57,0	57,0
52,0	17,0	27,5	38,0	48,5	55,0	56,0	56,0	56,0	18,1	31,5	45,0	55,0	56,0	56,0
56,0	13,2	23,0	33,0	43,0	53,0	54,0	54,0	54,0	14,2	26,7	39,0	52,0	54,0	54,0
60,0	9,8	19,1	28,4	37,5	47,0	52,0	52,0	52,0	10,8	22,5	34,0	46,0	52,0	52,0
64,0	6,9	15,6	24,3	33,0	42,0	48,5	51,0	51,0	7,8	18,8	29,9	41,0	49,0	51,0
68,0		12,5	20,8	29,0	37,5	45,0	49,0	50,0	5,1	15,5	26,0	36,5	46,5	50,0
72,0		9,7	17,6	25,4	33,5	41,0	47,5	48,5		12,6	22,5	32,5	42,5	48,5
76,0		7,2	14,7	22,2	29,6	37,0	44,0	46,0		10,0	19,4	28,8	38,5	45,5
80,0		5,0	12,1	19,2	26,4	33,5	40,0	43,5		7,6	16,6	25,6	34,5	42,0
84,0			9,7	16,6	23,4	30,0	36,0	40,5		5,4	14,0	22,6	31,0	38,5
88,0			7,6	14,1	20,7	26,8	32,5	37,5			11,7	19,9	28,2	35,5
92,0			5,6	11,9	18,2	24,0	29,2	34,0			9,6	17,5	25,4	32,0
96,0				9,8	15,9	21,1	26,1	31,0			7,6	15,2	22,5	29,0
100,0				8,0	13,5	18,4	23,2	27,9			5,8	13,2	19,8	26,0
* n *	5	5	5	5	5	5	5	5	5	5	5	5	5	5
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL4DB

F 31°

108m

12m

150

t

65



t



22.00

	SL4DB 108m	F 31° 12m					
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22.00

	SL4DB 108m	F 31° 12m					
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22.00



	SL4DB 108m	F 13° 18m					
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22.00

The diagram shows a crane system with the following components labeled:

- SL4DB**: Label for the crane body.
- 108m**: Dimension for the crane body.
- F 13°**: Angle of the crane body.
- 18m**: Dimension for the crane body.
- 150**: Label for the crane hook.
- 65**: Label for the crane hook.
- zz t**: Label for the crane hook.
- yy m**: Dimension for the crane hook.


22.00

	SL4DB 108m	F 13° 18m					
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22.00

	SL4DB 108m	F 18° 18m					
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22.00

	SL4DB 108m	F 18° 18m					
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22.00

	SL4DB 108m	F 18° 18m					
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22.00

	SL4DB 108m	F 32° 18m					
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22.00

	SL4DB 108m	F 32° 18m	 t	 t	 zz t yy m		
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22.00

Diagram illustrating a crane system. A table with two columns is shown. The left column contains the text "SL4DB" and "108m". The right column contains the text "F 32°" and "18m". To the right of the table are three icons: a crane hook with the number "150" below it, a crane hook with the number "65" above it, and a crane hook with the text "zz t" and "yy m" below it.

22.00

	SL4DB 108m	F 13° 24m					
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22.00

	SL4DB 108m	F 13° 24m					
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SL4DB

F 13°

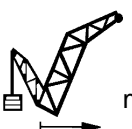


108m

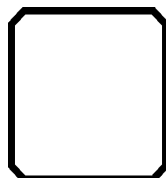
24m

074548

*** 196

22.00

		m > < t			CODE > 3534 < B181 9A12.x(x)									
		m	108,0											
22,0	72,0													
24,0	70,0													
26,0	68,0													
28,0	67,0													
30,0	65,0													
32,0	63,0													
34,0	62,0													
36,0	60,0													
38,0	58,0													
40,0	56,0													
44,0	53,0													
48,0	50,0													
52,0	47,0													
56,0	44,5													
60,0	42,0													
64,0	40,0													
68,0	38,0													
72,0	36,5													
76,0	35,0													
80,0	33,5													
84,0	32,5													
88,0	31,0													
92,0	30,0													
96,0	29,0													
100,0	28,2													
104,0	27,3													
108,0	26,4													
112,0	25,8													
116,0	25,2													
* n *	5													
yy	18.0													
zz	250.0													
	m/s	9,0												

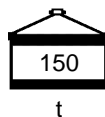


SL4DB

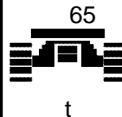
108m

F 13°

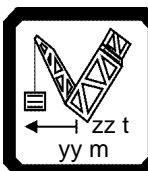
24m



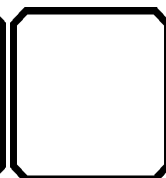
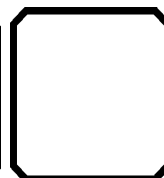
t



t






yy m



074548

*** 196

22.00

 m	 m > t													
	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0
24,0	66,0	66,0	66,0	66,0	66,0	66,0	66,0	66,0	66,0	66,0	66,0	66,0	66,0	66,0
26,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0	64,0
28,0	60,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0
30,0	54,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	56,0	60,0	60,0	60,0	60,0
32,0	49,5	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	51,0	57,0	57,0	57,0	57,0
34,0	45,0	56,0	56,0	56,0	56,0	56,0	56,0	56,0	56,0	46,5	55,0	55,0	55,0	55,0
36,0	41,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	42,5	54,0	54,0	54,0	54,0
38,0	37,0	51,0	52,0	52,0	52,0	52,0	52,0	52,0	52,0	38,5	52,0	52,0	52,0	52,0
40,0	34,0	47,0	51,0	51,0	51,0	51,0	51,0	51,0	51,0	35,5	51,0	51,0	51,0	51,0
44,0	28,0	40,0	48,0	48,0	48,0	48,0	48,0	48,0	48,0	29,3	44,5	48,0	48,0	48,0
48,0	23,0	34,0	45,5	45,5	45,5	45,5	45,5	45,5	45,5	24,2	38,5	45,5	45,5	45,5
52,0	18,7	29,1	39,5	43,0	43,0	43,0	43,0	43,0	43,0	19,8	33,0	43,0	43,0	43,0
56,0	14,9	24,6	34,5	41,0	41,0	41,0	41,0	41,0	41,0	16,0	28,2	40,5	41,0	41,0
60,0	11,6	20,8	29,9	39,0	39,0	39,0	39,0	39,0	39,0	12,6	24,1	35,5	39,0	39,0
64,0	8,7	17,3	25,9	34,5	37,5	37,5	37,5	37,5	37,5	9,6	20,5	31,5	37,0	37,0
68,0	6,1	14,3	22,4	30,5	35,5	35,5	35,5	35,5	35,5	7,0	17,3	27,6	35,5	35,5
72,0		11,5	19,3	27,0	33,5	34,5	34,5	34,5	34,5		14,4	24,2	33,5	34,5
76,0		9,1	16,4	23,8	31,0	33,0	33,0	33,0	33,0		11,8	21,1	30,5	33,0
80,0		6,8	13,9	20,9	27,9	32,0	32,0	32,0	32,0		9,4	18,3	27,2	32,0
84,0			11,5	18,3	25,0	29,8	31,0	31,0	31,0		7,3	15,8	24,3	30,0
88,0			9,4	15,8	22,3	27,5	29,8	29,8	29,8		5,3	13,4	21,6	28,2
92,0			7,4	13,6	19,8	25,3	28,8	28,9	28,9			11,3	19,1	26,4
96,0			5,6	11,6	17,5	23,1	27,9	28,0	28,0			9,4	16,9	24,4
100,0				9,7	15,4	20,7	25,5	26,8	26,8			7,6	14,8	22,1
104,0				8,0	13,5	18,4	23,0	25,7	25,7			5,9	12,9	19,8
108,0				6,3	11,2	16,0	20,5	24,5	24,5				11,1	17,3
112,0					9,5	13,9	18,3	22,6	22,6				9,5	15,2
116,0					8,0	11,9	16,2	20,3	20,3				7,9	13,1
* n *	4	4	4	4	4	4	4	4	4	4	4	4	4	4
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL4DB

F 18°

108m

24m

150

t

65

t






yy m

22.00

	SL4DB 108m	F 18° 24m					
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22.00

	SL4DB 108m	F 18° 24m					
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22.00

	SL4DB 108m	F 30° 24m					
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22.00

	SL4DB 108m	F 30° 24m					
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22.00

	SL4DB 108m	F 30° 24m					
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22.00

	SL4DB 108m	F 12° 30m					
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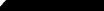
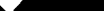
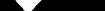
22.00

	SL4DB 108m	F 12° 30m					
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22.00

	SL4DB 108m	F 16° 30m					
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22.00

	SL4DB 108m	F 16° 30m					
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22.00

	SL4DB 108m	F 28° 30m					
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22.00

	SL4DB 108m	F 28° 30m	 t	 t	 t		
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22.00

	SL4DB 108m	F 10° 36m					
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22.00

	SL4DB 108m	F 10° 36m					
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22.00

	SL4DB 108m	F 14° 36m					
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22.00

	SL4DB 108m	F 26° 36m					
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22.00

	SL4DB 114m	F 11° 12m					
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22.00

	SL4DB 114m	F 11° 12m					
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22.00

	SL4DB 114m	F 11° 12m					
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22.00

	SL4DB 114m	F 16° 12m					
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22.00

	SL4DB 114m	F 16° 12m					
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

22.00

	SL4DB 114m	F 16° 12m					
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22.00

 m	 m > < t														CODE > 3545 < B181 9B20.x(x)	
	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0
22,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0
24,0	72,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0
26,0	64,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	66,0	71,0	71,0	71,0	71,0	71,0	71,0
28,0	58,0	70,0	70,0	70,0	70,0	70,0	70,0	70,0	70,0	60,0	70,0	70,0	70,0	70,0	70,0	70,0
30,0	52,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0	54,0	68,0	68,0	68,0	68,0	68,0	68,0
32,0	47,0	63,0	67,0	67,0	67,0	67,0	67,0	67,0	67,0	48,5	67,0	67,0	67,0	67,0	67,0	67,0
34,0	42,5	58,0	66,0	66,0	66,0	66,0	66,0	66,0	66,0	44,0	63,0	65,0	65,0	65,0	65,0	65,0
36,0	38,0	53,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	40,0	58,0	64,0	64,0	64,0	64,0	64,0
38,0	34,5	48,5	62,0	63,0	63,0	63,0	63,0	63,0	63,0	36,0	53,0	63,0	63,0	63,0	63,0	63,0
40,0	31,0	44,5	58,0	62,0	62,0	62,0	62,0	62,0	62,0	32,5	49,5	62,0	62,0	62,0	62,0	62,0
44,0	25,1	37,5	49,5	60,0	60,0	60,0	60,0	60,0	60,0	26,4	42,0	57,0	60,0	60,0	60,0	60,0
48,0	20,1	31,5	42,5	54,0	58,0	58,0	58,0	58,0	58,0	21,3	35,5	49,5	58,0	58,0	58,0	58,0
52,0	15,7	26,2	36,5	47,0	55,0	56,0	56,0	56,0	56,0	16,8	30,0	43,5	55,0	56,0	56,0	56,0
56,0	11,9	21,7	31,5	41,5	51,0	55,0	55,0	55,0	55,0	13,0	25,4	37,5	50,0	54,0	54,0	54,0
60,0	8,6	17,8	27,0	36,5	45,5	53,0	53,0	53,0	53,0	9,6	21,2	33,0	44,5	53,0	53,0	53,0
64,0	5,7	14,4	23,1	32,0	40,5	49,0	51,0	52,0	52,0	6,6	17,6	28,5	39,5	50,0	51,0	51,0
68,0		11,3	19,5	27,7	36,0	44,0	48,0	51,0	51,0		14,3	24,7	35,0	45,5	49,5	49,5
72,0		8,6	16,4	24,2	32,0	40,0	45,5	49,5	49,5		11,4	21,3	31,0	41,0	48,0	48,0
76,0		6,1	13,5	20,9	28,4	36,0	43,0	48,5	48,5		8,8	18,2	27,6	37,0	46,0	46,0
80,0			10,9	18,0	25,1	32,0	39,0	44,5	44,5		6,5	15,4	24,3	33,5	42,0	42,0
84,0			8,6	15,4	22,1	28,9	35,0	40,5	40,5			12,9	21,4	30,0	38,5	38,5
88,0			6,5	13,0	19,4	25,9	31,5	36,5	36,5			10,5	18,7	26,9	34,5	34,5
92,0				10,7	17,0	22,8	28,0	33,0	33,0			8,4	16,3	24,2	31,0	31,0
96,0				8,7	14,7	20,2	25,2	30,0	30,0			6,5	14,0	21,6	28,1	28,1
100,0				6,8	12,5	17,6	22,4	27,2	27,2				12,0	19,0	25,2	25,2
104,0				5,1	10,1	15,1	19,7	24,4	24,4				10,1	16,4	22,4	22,4
* n *	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	250.0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL4DB

F 31°

114m

12m

150

t

65

t




yy m

074548

*** 196

22.00

	m	CODE > 3545 < B181 9B20.x(x)												
		114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0
22,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	73,0	73,0	73,0	73,0
24,0	73,0	73,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0
26,0	71,0	71,0	68,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	70,0	70,0	70,0	70,0
28,0	70,0	70,0	61,0	69,0	69,0	69,0	69,0	69,0	69,0	69,0	63,0	69,0	69,0	69,0
30,0	68,0	68,0	55,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0	57,0	67,0	67,0	67,0
32,0	67,0	67,0	50,0	66,0	66,0	66,0	66,0	66,0	66,0	66,0	52,0	66,0	66,0	66,0
34,0	65,0	65,0	45,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	47,0	65,0	65,0	65,0
36,0	64,0	64,0	41,0	62,0	64,0	64,0	64,0	64,0	64,0	64,0	42,5	64,0	64,0	64,0
38,0	63,0	63,0	37,0	57,0	63,0	63,0	63,0	63,0	63,0	63,0	38,5	62,0	62,0	62,0
40,0	62,0	62,0	33,5	53,0	62,0	62,0	62,0	62,0	62,0	62,0	35,0	58,0	61,0	61,0
44,0	60,0	60,0	27,3	45,0	60,0	60,0	60,0	60,0	60,0	60,0	28,6	49,5	59,0	59,0
48,0	58,0	58,0	22,1	38,5	54,0	58,0	58,0	58,0	58,0	58,0	23,3	42,5	58,0	58,0
52,0	56,0	56,0	17,6	32,5	47,5	56,0	56,0	56,0	56,0	56,0	18,7	36,5	54,0	56,0
56,0	54,0	54,0	13,7	27,8	42,0	54,0	54,0	54,0	54,0	54,0	14,7	31,5	48,0	54,0
60,0	53,0	53,0	10,3	23,5	36,5	50,0	53,0	53,0	53,0	53,0	11,2	26,9	42,5	53,0
64,0	51,0	51,0	7,2	19,7	32,0	44,5	51,0	51,0	51,0	51,0	8,1	23,0	38,0	50,0
68,0	50,0	50,0		16,4	28,2	40,0	48,5	50,0	50,0	50,0	5,4	19,4	33,5	47,0
72,0	49,5	49,5		13,4	24,6	36,0	46,0	49,5	49,5	49,5		16,2	29,5	43,0
76,0	48,0	48,0		10,6	21,3	32,0	42,5	48,0	48,0	48,0		13,4	26,0	38,5
80,0	45,5	47,5		8,2	18,4	28,6	39,0	45,5	47,5	47,5		10,8	22,9	35,0
84,0	43,0	46,5		6,0	15,7	25,5	35,0	42,5	46,5	46,5		8,5	20,0	31,5
88,0	40,5	45,5			13,3	22,6	32,0	39,5	45,5	46,0		6,3	17,4	28,5
92,0	38,0	44,0			11,0	20,0	28,8	36,5	44,0	45,0			15,0	25,6
96,0	34,5	41,0			9,0	17,6	26,0	33,5	40,5	43,5			12,8	23,0
100,0	31,5	37,5			7,1	15,4	23,2	30,5	37,5	42,5			10,8	20,6
104,0	28,3	34,5			5,4	13,4	20,4	27,4	34,0	41,0			8,9	18,1
* n *		5	5	5	5	5	5	5	5	5	5	5	5	5
yy zz	13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0
	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0
m/s		9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL4DB

F 31°

114m

12m

150

t

65

t



yy m




22.00

	SL4DB 114m	F 31° 12m					
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22.00

	SL4DB 114m	F 13° 18m					
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22.00



	SL4DB 114m	F 13° 18m					
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22.00

	SL4DB 114m	F 13° 18m					
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22.00

22.00

	SL4DB 114m	F 18° 18m					
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22.00

	SL4DB 114m	F 18° 18m					
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22.00

	SL4DB 114m	F 32° 18m					
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22.00

	SL4DB 114m	F 32° 18m					
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22.00

	SL4DB 114m	F 32° 18m					
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22.00

	SL4DB 114m	F 13° 24m					
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22.00

	SL4DB 114m	F 13° 24m	 t	 t	 zz t yy m		
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22.00

	SL4DB 114m	F 13° 24m					
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22.00

	SL4DB 114m	F 18° 24m					
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22.00

	SL4DB 114m	F 18° 24m					
--	---------------	--------------	---	---	--	--	--


22.00

	SL4DB 114m	F 18° 24m					
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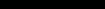
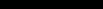
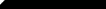
22.00

	SL4DB 114m	F 30° 24m					
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22.00

	SL4DB 114m	F 30° 24m					
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22.00

	SL4DB 114m	F 30° 24m					
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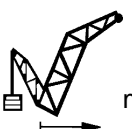

22.00

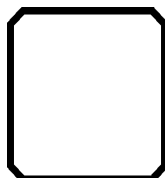
	SL4DB 114m	F 12° 30m					
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074548

*** 196

22.00

			CODE > 3552 < B181 9B13.x(x)											
	m	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0	114,0
24,0	60,0	60,0		60,0	60,0	60,0	60,0	60,0	60,0		59,0	59,0	59,0	59,0
26,0	59,0	59,0	59,0	59,0	59,0	59,0	59,0	59,0	59,0	57,0	57,0	57,0	57,0	57,0
28,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	56,0	56,0	56,0	56,0	56,0
30,0	57,0	57,0	54,0	56,0	56,0	56,0	56,0	56,0	56,0	55,0	55,0	55,0	55,0	55,0
32,0	55,0	55,0	49,0	55,0	55,0	55,0	55,0	55,0	55,0	51,0	53,0	53,0	53,0	53,0
34,0	54,0	54,0	44,5	53,0	53,0	53,0	53,0	53,0	53,0	46,0	52,0	52,0	52,0	52,0
36,0	53,0	53,0	40,5	52,0	52,0	52,0	52,0	52,0	52,0	42,0	51,0	51,0	51,0	51,0
38,0	51,0	51,0	37,0	50,0	50,0	50,0	50,0	50,0	50,0	38,5	49,5	49,5	49,5	49,5
40,0	49,0	49,0	33,5	48,5	48,5	48,5	48,5	48,5	48,5	35,0	48,0	48,0	48,0	48,0
44,0	46,0	46,0	27,9	45,0	45,5	45,5	45,5	45,5	45,5	29,2	45,5	45,5	45,5	45,5
48,0	43,0	43,0	23,0	39,0	43,0	43,0	43,0	43,0	43,0	24,2	43,0	43,0	43,0	43,0
52,0	40,5	40,5	18,7	33,5	40,5	40,5	40,5	40,5	40,5	19,8	37,0	40,5	40,5	40,5
56,0	38,0	38,0	15,0	28,8	38,0	38,0	38,0	38,0	38,0	16,0	32,5	38,0	38,0	38,0
60,0	36,0	36,0	11,7	24,7	36,0	36,0	36,0	36,0	36,0	12,7	28,0	36,0	36,0	36,0
64,0	34,5	34,5	8,8	21,1	33,5	34,5	34,5	34,5	34,5	9,7	24,2	34,5	34,5	34,5
68,0	32,5	32,5	6,3	17,8	29,4	32,5	32,5	32,5	32,5	7,1	20,8	32,5	32,5	32,5
72,0	31,0	31,0		14,9	25,9	31,0	31,0	31,0	31,0		17,8	30,5	31,0	31,0
76,0	29,6	29,6		12,3	22,8	29,6	29,6	29,6	29,6		15,0	27,4	29,6	29,6
80,0	28,4	28,4		9,9	19,9	28,4	28,4	28,4	28,4		12,5	24,4	28,3	28,3
84,0	27,2	27,2		7,8	17,3	26,9	27,1	27,1	27,1		10,3	21,6	27,1	27,1
88,0	26,0	26,0		5,8	15,0	24,1	26,0	26,0	26,0		8,2	19,0	25,9	26,0
92,0	25,1	25,1			12,8	21,6	25,1	25,1	25,1		6,3	16,7	24,6	25,1
96,0	24,2	24,2			10,8	19,3	24,1	24,1	24,1			14,6	23,2	24,1
100,0	23,2	23,2			9,0	17,1	23,2	23,2	23,2			12,6	21,9	23,2
104,0	22,3	22,3			7,3	15,1	22,3	22,3	22,3			10,7	20,1	22,3
108,0	21,7	21,7			5,7	13,3	20,3	21,7	21,7			9,0	18,1	21,7
112,0	21,1	21,1				11,6	18,3	21,1	21,1			7,5	16,2	21,1
116,0	20,4	20,4				9,9	16,3	20,4	20,4			6,0	14,2	20,4
120,0	19,8	19,8				8,3	14,3	19,5	19,8				12,2	19,3
124,0	19,3	19,3				7,1	12,5	18,4	19,3				10,3	17,6
128,0	17,5	18,9				5,8	10,8	16,6	18,9				9,0	15,8
* n *	4	4	4	4	4	4	4	4	4	4	4	4	4	4
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0	18,0
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	0,0	50,0	100,0	150,0	200,0
m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

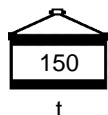


SL4DB

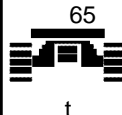
114m

F 12°

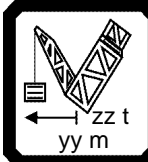
30m



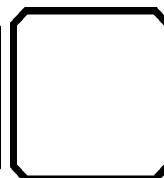
t






t






yy m




22.00

	SL4DB 114m	F 12° 30m					
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22.00

	SL4DB 114m	F 16° 30m					
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22.00

	SL4DB 114m	F 16° 30m					
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22.00



The diagram shows a crane system with the following components and labels:

- SL4DB**: Label for the first component (leftmost).
- F 28°**: Label for the second component.
- 114m**: Label for the third component.
- 30m**: Label for the fourth component.
- 150**: Label for the fifth component.
- 65**: Label for the sixth component.
- zz t**: Label for the seventh component.
- yy m**: Label for the eighth component.



22.00

	SL4DB 114m	F 28° 30m	 t	 t	 zz t yy m		
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22.00

	SL4DB 114m	F 10° 36m					
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22.00

	SL4DB 114m	F 10° 36m					
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22.00

	SL4DB 114m	F 14° 36m					
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22.00

The diagram shows a crane system layout. On the left is a table with two columns and two rows. The first column contains 'SL4DB' and '114m'. The second column contains 'F 14°' and '36m'. To the right of the table are three icons: a crane hook with '150' below it, a crane with '65' above it, and a crane with 'zz t' and 'yy m' below it.




22.00

	SL4DB 114m	F 26° 36m					
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22.00

	SL4DB 120m	F 11° 12m					
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22.00

	SL4DB 120m	F 11° 12m	 t	 t	 zz t yy m		
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22.00




The diagram shows a crane system with the following components and labels:

- SL4DB**: Label for the first component on the left.
- F 11°**: Label for the second component, indicating a force or angle.
- 120m**: Label for the third component, indicating a length.
- 12m**: Label for the fourth component, indicating a length.
- 150**: Label for the fifth component, indicating a weight or force.
- 65**: Label for the sixth component, indicating a weight or force.
- zz t**: Label for the seventh component, indicating a weight or force.
- yy m**: Label for the eighth component, indicating a length.

074548

*** 196

22.00

 m	 m > t													
	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0
20,0	82,0	103,0	103,0	103,0	103,0	103,0	103,0	103,0	103,0	85,0	102,0	102,0	102,0	102,0
22,0	73,0	95,0	102,0	102,0	102,0	102,0	102,0	102,0	102,0	76,0	101,0	101,0	101,0	101,0
24,0	65,0	85,0	101,0	101,0	101,0	101,0	101,0	101,0	101,0	67,0	93,0	100,0	100,0	100,0
26,0	58,0	77,0	96,0	100,0	100,0	100,0	100,0	100,0	100,0	60,0	84,0	99,0	99,0	99,0
28,0	52,0	70,0	88,0	99,0	99,0	99,0	99,0	99,0	99,0	54,0	77,0	98,0	98,0	98,0
30,0	47,0	64,0	81,0	97,0	98,0	98,0	98,0	98,0	98,0	49,0	70,0	91,0	96,0	96,0
32,0	42,0	58,0	74,0	90,0	97,0	97,0	97,0	97,0	97,0	44,0	64,0	84,0	94,0	94,0
34,0	38,0	53,0	68,0	83,0	96,0	96,0	96,0	96,0	96,0	39,5	59,0	78,0	93,0	93,0
36,0	34,0	48,5	63,0	77,0	91,0	95,0	95,0	95,0	95,0	35,5	54,0	72,0	90,0	91,0
38,0	30,5	44,0	58,0	72,0	85,0	93,0	93,0	93,0	93,0	32,0	49,0	66,0	84,0	89,0
40,0	27,2	40,5	53,0	66,0	80,0	90,0	91,0	91,0	91,0	28,6	45,0	62,0	78,0	87,0
44,0	21,6	33,5	45,5	58,0	70,0	82,0	88,0	88,0	88,0	22,9	38,0	53,0	68,0	83,0
48,0	16,8	27,9	39,0	50,0	61,0	73,0	84,0	85,0	85,0	18,0	32,0	46,0	60,0	74,0
52,0	12,7	23,0	33,5	44,0	54,0	65,0	75,0	80,0	80,0	13,8	26,9	40,0	53,0	66,0
56,0	9,1	18,8	28,5	38,0	48,0	58,0	67,0	74,0	74,0	10,1	22,4	34,5	47,0	59,0
60,0	6,0	15,1	24,2	33,5	42,5	52,0	61,0	69,0	69,0	6,9	18,4	30,0	41,5	53,0
64,0		11,8	20,4	29,0	37,5	46,0	55,0	63,0	63,0		15,0	25,8	36,5	47,5
68,0		8,9	17,0	25,2	33,5	41,5	49,5	58,0	58,0		11,9	22,2	32,5	42,5
72,0		6,3	14,0	21,7	29,5	37,0	45,0	52,0	52,0		9,1	18,9	28,6	38,5
76,0			11,3	18,6	26,0	33,5	40,5	47,0	47,0		6,6	15,9	25,2	34,5
80,0			8,8	15,8	22,9	29,9	37,0	42,5	42,5			13,2	22,1	31,0
84,0			6,6	13,3	20,0	26,7	33,5	39,0	39,0			10,8	19,3	27,8
88,0				11,0	17,4	23,9	29,8	35,0	35,0			8,6	16,7	24,9
92,0				8,9	15,1	21,1	26,4	31,5	31,5			6,6	14,4	22,2
96,0				6,9	12,9	18,4	23,5	28,4	28,4				12,2	19,8
100,0				5,2	10,9	16,0	21,0	25,8	25,8				10,3	17,5
104,0					9,1	13,6	18,4	23,1	23,1				8,5	15,0
108,0					7,2	11,3	16,0	20,5	20,5				6,8	12,6
112,0					5,8	9,4	13,9	18,3	18,3				5,3	10,5
116,0						8,0	11,9	16,2	16,2					9,0
* n *	5	6	6	6	6	6	6	6	6	5	6	6	6	6
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	350.0	0.0	50.0	100.0	150.0	200.0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL4DB

120m

F 16°

12m

150

t

65




t



074548

*** 196

22.00

 m	 m > < t													
	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0
20,0	102,0	102,0	87,0	101,0	101,0	101,0	101,0	101,0	101,0	101,0	89,0	99,0	99,0	99,0
22,0	101,0	101,0	77,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	80,0	98,0	98,0	98,0
24,0	100,0	100,0	69,0	98,0	98,0	98,0	98,0	98,0	98,0	98,0	71,0	96,0	96,0	96,0
26,0	99,0	99,0	62,0	89,0	97,0	97,0	97,0	97,0	97,0	97,0	64,0	95,0	95,0	95,0
28,0	98,0	98,0	56,0	81,0	96,0	96,0	96,0	96,0	96,0	96,0	57,0	88,0	93,0	93,0
30,0	96,0	96,0	50,0	74,0	94,0	94,0	94,0	94,0	94,0	94,0	52,0	80,0	91,0	91,0
32,0	94,0	94,0	45,0	68,0	91,0	92,0	92,0	92,0	92,0	92,0	47,0	74,0	90,0	90,0
34,0	93,0	93,0	40,5	62,0	84,0	91,0	91,0	91,0	91,0	91,0	42,0	68,0	88,0	88,0
36,0	91,0	91,0	36,5	57,0	78,0	89,0	89,0	89,0	89,0	89,0	38,0	63,0	87,0	87,0
38,0	89,0	89,0	33,0	53,0	72,0	87,0	87,0	87,0	87,0	87,0	34,5	58,0	81,0	85,0
40,0	88,0	88,0	29,6	48,5	67,0	85,0	86,0	86,0	86,0	86,0	31,0	53,0	76,0	84,0
44,0	85,0	85,0	23,7	41,0	58,0	76,0	83,0	83,0	83,0	83,0	25,0	45,5	66,0	81,0
48,0	82,0	82,0	18,8	35,0	51,0	67,0	80,0	80,0	80,0	80,0	20,0	39,0	58,0	77,0
52,0	78,0	78,0	14,5	29,4	44,5	59,0	74,0	77,0	77,0	77,0	15,6	33,5	51,0	69,0
56,0	75,0	75,0	10,8	24,8	39,0	53,0	67,0	74,0	74,0	74,0	11,8	28,4	45,0	62,0
60,0	72,0	72,0	7,6	20,7	34,0	47,0	60,0	72,0	72,0	72,0	8,5	24,1	39,5	55,0
64,0	69,0	69,0		17,1	29,5	42,0	54,0	67,0	68,0	68,0	5,6	20,3	35,0	49,5
68,0	63,0	66,0		13,9	25,6	37,5	49,0	61,0	65,0	67,0		16,9	31,0	44,5
72,0	58,0	62,0		11,0	22,1	33,5	44,5	56,0	62,0	65,0		13,9	27,1	40,5
76,0	52,0	59,0		8,4	19,0	29,6	40,0	51,0	59,0	63,0		11,1	23,7	36,5
80,0	47,5	55,0		6,1	16,2	26,3	36,5	46,5	55,0	60,0		8,7	20,7	32,5
84,0	44,0	51,0			13,6	23,3	33,0	42,5	51,0	57,0		6,5	17,9	29,4
88,0	40,0	47,0			11,3	20,6	29,9	39,0	46,5	53,0			15,4	26,4
92,0	36,0	42,5			9,2	18,1	27,0	35,0	42,5	49,5			13,1	23,7
96,0	33,0	39,0			7,2	15,8	24,3	32,0	39,0	46,0			11,0	21,2
100,0	30,0	36,0			5,4	13,7	21,7	28,9	36,0	43,0			9,1	18,9
104,0	27,2	33,0				11,8	19,1	26,1	33,0	39,5			7,3	16,8
108,0	24,4	30,0				9,6	16,7	23,3	29,9	36,5			5,7	14,4
112,0	22,1	27,6				8,1	14,6	21,0	27,4	33,5				12,2
116,0	19,9	25,3				6,8	12,5	18,9	25,1	31,0				10,4
* n *	6	6	5	6	6	6	6	6	6	6	6	6	6	6
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	350,0	0,0	50,0	100,0	150,0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL4DB

F 16°

120m

12m

150

t

65

t



yy m




22.00

	SL4DB 120m	F 16° 12m	 t	 t	 zz t yy m		
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074548

*** 196

22.00

 m	 m > < t													
	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0
22,0		74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0
24,0	69,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	72,0	73,0	73,0	73,0	73,0	73,0
26,0	62,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	64,0	71,0	71,0	71,0	71,0	71,0
28,0	56,0	70,0	70,0	70,0	70,0	70,0	70,0	70,0	58,0	70,0	70,0	70,0	70,0	70,0
30,0	50,0	67,0	69,0	69,0	69,0	69,0	69,0	69,0	52,0	69,0	69,0	69,0	69,0	69,0
32,0	45,5	61,0	68,0	68,0	68,0	68,0	68,0	68,0	47,0	67,0	67,0	67,0	67,0	67,0
34,0	41,0	56,0	66,0	66,0	66,0	66,0	66,0	66,0	42,5	62,0	66,0	66,0	66,0	66,0
36,0	37,0	51,0	65,0	65,0	65,0	65,0	65,0	65,0	38,5	57,0	65,0	65,0	65,0	65,0
38,0	33,0	47,0	61,0	64,0	64,0	64,0	64,0	64,0	34,5	52,0	64,0	64,0	64,0	64,0
40,0	29,8	43,0	56,0	63,0	63,0	63,0	63,0	63,0	31,0	48,0	62,0	62,0	62,0	62,0
44,0	24,0	36,0	48,0	60,0	61,0	61,0	61,0	61,0	25,3	40,5	56,0	61,0	61,0	61,0
48,0	19,0	30,0	41,5	52,0	59,0	59,0	59,0	59,0	20,2	34,5	48,5	59,0	59,0	59,0
52,0	14,7	25,1	35,5	46,0	56,0	57,0	57,0	57,0	15,8	28,9	42,0	55,0	57,0	57,0
56,0	10,9	20,7	30,5	40,0	50,0	55,0	55,0	55,0	12,0	24,3	36,5	49,0	55,0	55,0
60,0	7,7	16,8	26,0	35,0	44,0	52,0	54,0	54,0	8,6	20,2	31,5	43,5	53,0	54,0
64,0		13,4	22,0	30,5	39,5	48,0	52,0	52,0	5,7	16,6	27,5	38,5	49,0	52,0
68,0		10,4	18,5	26,7	35,0	43,0	49,0	50,0		13,4	23,7	34,0	44,5	49,5
72,0		7,6	15,4	23,1	31,0	38,5	45,0	48,0		10,5	20,3	30,0	40,0	47,0
76,0		5,2	12,6	19,9	27,3	34,5	41,5	46,0		7,9	17,2	26,5	36,0	44,0
80,0			10,0	17,0	24,1	31,0	38,0	43,5		5,6	14,4	23,3	32,0	41,0
84,0			7,7	14,4	21,1	27,9	34,5	40,0			11,9	20,4	28,9	37,5
88,0			5,6	12,0	18,5	24,9	31,0	36,0			9,6	17,8	25,9	34,0
92,0				9,8	16,0	22,2	27,4	32,5			7,5	15,3	23,2	30,5
96,0				7,8	13,8	19,3	24,3	29,1			5,6	13,1	20,6	27,2
100,0				5,9	11,7	16,8	21,7	26,5				11,1	18,3	24,6
104,0					9,8	14,3	19,2	23,8				9,2	15,8	21,9
108,0					7,8	11,9	16,6	21,1				7,4	13,4	19,3
* n *	4	5	5	5	5	5	5	5	5	5	5	5	5	5
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL4DB

F 31°

120m

12m

150

t

65




t



074548

*** 196

22.00

 m	 m > < t													
	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0
22,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0		73,0	73,0	73,0
24,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	72,0	72,0	72,0	72,0
26,0	71,0	71,0	66,0	71,0	71,0	71,0	71,0	71,0	71,0	71,0	68,0	71,0	71,0	71,0
28,0	70,0	70,0	59,0	70,0	70,0	70,0	70,0	70,0	70,0	70,0	61,0	69,0	69,0	69,0
30,0	69,0	69,0	53,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0	55,0	68,0	68,0	68,0
32,0	67,0	67,0	48,5	67,0	67,0	67,0	67,0	67,0	67,0	67,0	50,0	66,0	66,0	66,0
34,0	66,0	66,0	43,5	65,0	66,0	66,0	66,0	66,0	66,0	66,0	45,5	65,0	65,0	65,0
36,0	65,0	65,0	39,5	60,0	65,0	65,0	65,0	65,0	65,0	65,0	41,0	64,0	64,0	64,0
38,0	64,0	64,0	35,5	55,0	63,0	63,0	63,0	63,0	63,0	63,0	37,0	61,0	63,0	63,0
40,0	62,0	62,0	32,0	51,0	62,0	62,0	62,0	62,0	62,0	62,0	33,5	56,0	62,0	62,0
44,0	61,0	61,0	26,1	43,5	60,0	60,0	60,0	60,0	60,0	60,0	27,4	48,0	60,0	60,0
48,0	59,0	59,0	21,0	37,0	53,0	58,0	58,0	58,0	58,0	58,0	22,2	41,0	58,0	58,0
52,0	57,0	57,0	16,5	31,5	46,5	56,0	57,0	57,0	57,0	57,0	17,6	35,5	53,0	56,0
56,0	55,0	55,0	12,7	26,7	40,5	53,0	55,0	55,0	55,0	55,0	13,7	30,5	47,0	55,0
60,0	54,0	54,0	9,3	22,4	35,5	48,5	54,0	54,0	54,0	54,0	10,3	25,8	41,5	53,0
64,0	52,0	52,0	6,3	18,7	31,0	43,5	52,0	52,0	52,0	52,0	7,2	21,9	36,5	51,0
68,0	51,0	51,0		15,4	27,1	39,0	49,0	51,0	51,0	51,0		18,4	32,5	46,0
72,0	50,0	50,0		12,4	23,5	34,5	45,5	50,0	50,0	50,0		15,3	28,5	41,5
76,0	49,0	49,0		9,7	20,3	31,0	41,5	49,0	49,0	49,0		12,4	25,0	37,5
80,0	47,5	47,5		7,3	17,4	27,5	37,5	47,5	47,5	47,5		9,9	21,9	34,0
84,0	44,0	46,0		5,1	14,8	24,4	34,0	43,5	46,0	47,0		7,6	19,0	30,5
88,0	40,5	44,0			12,3	21,6	31,0	40,0	44,0	46,5		5,4	16,4	27,4
92,0	37,0	42,0			10,1	19,0	28,0	36,0	42,0	46,0			14,1	24,6
96,0	33,5	40,0			8,1	16,7	25,1	32,5	40,0	44,5			11,9	22,0
100,0	30,5	37,0			6,2	14,5	22,5	29,6	36,5	42,0			9,9	19,7
104,0	27,8	33,5				12,5	19,9	26,7	33,5	39,5			8,0	17,5
108,0	25,0	30,5				10,2	17,3	23,9	30,5	37,0			6,3	15,0
* n *	5	5	5	5	5	5	5	5	5	5	5	5	5	5
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	350,0	0,0	50,0	100,0	150,0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL4DB

F 31°

120m

12m

150

t



65

t



yy m

22.00

	SL4DB 120m	F 31° 12m					
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

22.00

	SL4DB 120m	F 13° 18m					
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074548

*** 196

22.00

 m	 m > t													
	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0
22,0	84,0	84,0	78,0	83,0	83,0	83,0	83,0	83,0	83,0	83,0	80,0	81,0	81,0	81,0
24,0	83,0	83,0	70,0	82,0	82,0	82,0	82,0	82,0	82,0	82,0	72,0	80,0	80,0	80,0
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34,0	76,0	76,0	41,5	63,0	74,0	74,0	74,0	74,0	74,0	74,0	43,5	69,0	72,0	72,0
36,0	74,0	74,0	37,5	58,0	73,0	73,0	73,0	73,0	73,0	73,0	39,0	63,0	71,0	71,0
38,0	73,0	73,0	34,0	54,0	71,0	71,0	71,0	71,0	71,0	71,0	35,5	59,0	69,0	69,0
40,0	71,0	71,0	31,0	49,5	68,0	70,0	70,0	70,0	70,0	70,0	32,0	54,0	68,0	68,0
44,0	68,0	68,0	25,0	42,0	59,0	67,0	67,0	67,0	67,0	67,0	26,3	46,5	65,0	65,0
48,0	66,0	66,0	20,0	36,0	52,0	65,0	65,0	65,0	65,0	65,0	21,2	40,0	59,0	63,0
52,0	63,0	63,0	15,8	30,5	45,5	60,0	62,0	62,0	62,0	62,0	16,9	34,5	52,0	60,0
56,0	60,0	60,0	12,1	26,0	40,0	54,0	59,0	59,0	59,0	59,0	13,1	29,6	46,0	58,0
60,0	58,0	58,0	8,9	21,9	35,0	48,0	57,0	57,0	57,0	57,0	9,8	25,3	40,5	55,0
64,0	55,0	55,0	6,0	18,3	30,5	43,0	55,0	55,0	55,0	55,0	6,9	21,5	36,0	51,0
68,0	53,0	53,0		15,1	26,7	38,5	50,0	52,0	53,0	53,0		18,1	32,0	45,5
72,0	51,0	51,0		12,2	23,3	34,5	45,5	50,0	51,0	51,0		15,1	28,2	41,5
76,0	49,5	49,5		9,6	20,2	30,5	41,0	48,5	49,5	49,5		12,3	24,8	37,5
80,0	47,5	48,0		7,3	17,3	27,4	37,5	46,5	47,5	47,5		9,9	21,8	33,5
84,0	45,0	46,0		5,1	14,8	24,4	34,0	43,5	46,0	46,0		7,6	19,0	30,5
88,0	41,5	43,5			12,4	21,6	31,0	40,0	43,5	45,0		5,6	16,5	27,4
92,0	38,0	41,5			10,3	19,1	28,0	36,5	41,5	43,5			14,2	24,7
96,0	34,0	39,5			8,3	16,8	25,3	33,0	39,5	42,0			12,1	22,2
100,0	31,0	37,0			6,5	14,7	22,8	29,9	37,0	40,5			10,1	19,8
104,0	28,4	34,5				12,7	20,4	27,3	34,0	38,5			8,3	17,7
108,0	25,8	31,5				10,9	18,1	24,7	31,5	36,5			6,7	15,7
112,0	23,1	28,7				9,0	15,7	22,1	28,6	34,5			5,1	13,5
116,0	21,0	26,3				7,7	13,7	20,0	26,1	32,0				11,4
120,0	18,9	24,0				6,3	11,7	17,9	23,9	29,8				9,7
* n *	5	5	5	5	5	5	5	5	5	5	5	5	5	5
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	350,0	0,0	50,0	100,0	150,0
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

SL4DB

F 13°

120m

18m

150

t

65

t





22.00

	SL4DB 120m	F 13° 18m					
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22.00

	SL4DB 120m	F 18° 18m	 t	 t	 zz t yy m		
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22.00

	SL4DB 120m	F 18° 18m					
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22.00

	SL4DB 120m	F 18° 18m					
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22.00

	SL4DB 120m	F 32° 18m					
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22.00

	SL4DB 120m	F 32° 18m					
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22.00

	SL4DB 120m	F 32° 18m					
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22.00

	SL4DB 120m	F 13° 24m					
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22.00

	SL4DB 120m	F 13° 24m					
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22.00

	SL4DB 120m	F 13° 24m	 t	 t	 zz t yy m		
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22.00

	SL4DB 120m	F 18° 24m					
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22.00

	SL4DB 120m	F 18° 24m	 t	 t	 zz t yy m		
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22.00

	SL4DB 120m	F 18° 24m					
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22.00

	SL4DB 120m	F 30° 24m					
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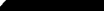
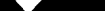
22.00

	SL4DB 120m	F 30° 24m	 t	 t	 zz t yy m		
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22.00

	SL4DB 120m	F 30° 24m					
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
22.00

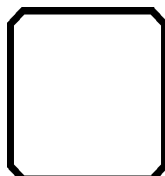
	SL4DB 120m	F 12° 30m					
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074548

*** 196

22.00

 m	 m > t													
	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0
26,0	57,0	57,0	57,0	57,0	57,0	57,0	57,0	57,0	57,0	56,0	56,0	56,0	56,0	56,0
28,0	56,0	56,0	56,0	56,0	56,0	56,0	56,0	56,0	56,0	55,0	55,0	55,0	55,0	55,0
30,0	55,0	55,0	52,0	55,0	55,0	55,0	55,0	55,0	55,0	53,0	53,0	53,0	53,0	53,0
32,0	54,0	54,0	47,5	54,0	54,0	54,0	54,0	54,0	54,0	49,0	52,0	52,0	52,0	52,0
34,0	53,0	53,0	43,0	53,0	53,0	53,0	53,0	53,0	53,0	44,5	51,0	51,0	51,0	51,0
36,0	52,0	52,0	39,0	51,0	51,0	51,0	51,0	51,0	51,0	40,5	49,5	49,5	49,5	49,5
38,0	51,0	51,0	35,5	50,0	50,0	50,0	50,0	50,0	50,0	37,0	48,5	48,5	48,5	48,5
40,0	49,5	49,5	32,5	49,0	49,0	49,0	49,0	49,0	49,0	34,0	47,5	47,5	47,5	47,5
44,0	46,5	46,5	26,7	43,5	46,0	46,0	46,0	46,0	46,0	28,0	45,5	45,5	45,5	45,5
48,0	44,0	44,0	21,8	37,5	44,0	44,0	44,0	44,0	44,0	23,0	41,5	43,5	43,5	43,5
52,0	41,5	41,5	17,6	32,0	41,5	41,5	41,5	41,5	41,5	18,7	36,0	41,0	41,0	41,0
56,0	39,0	39,0	13,9	27,6	39,0	39,0	39,0	39,0	39,0	14,9	31,0	39,0	39,0	39,0
60,0	37,0	37,0	10,7	23,5	36,5	37,0	37,0	37,0	37,0	11,6	26,9	37,0	37,0	37,0
64,0	35,0	35,0	7,8	19,9	32,0	35,0	35,0	35,0	35,0	8,7	23,1	35,0	35,0	35,0
68,0	33,5	33,5	5,3	16,7	28,2	33,5	33,5	33,5	33,5	6,1	19,7	33,5	33,5	33,5
72,0	31,5	31,5		13,9	24,8	31,5	31,5	31,5	31,5		16,7	29,6	31,5	31,5
76,0	30,5	30,5		11,3	21,7	29,9	30,5	30,5	30,5		14,0	26,3	30,0	30,0
80,0	29,1	29,1		8,9	18,9	28,2	29,1	29,1	29,1		11,5	23,3	29,1	29,1
84,0	28,0	28,0		6,8	16,3	25,8	27,9	27,9	27,9		9,2	20,5	27,9	27,9
88,0	26,8	26,8			14,0	23,1	26,7	26,7	26,7		7,2	18,0	26,7	26,7
92,0	25,7	25,7			11,8	20,5	25,5	25,7	25,7		5,3	15,7	25,2	25,7
96,0	24,9	24,9			9,8	18,2	24,0	24,8	24,8			13,5	23,3	24,8
100,0	24,0	24,0			8,0	16,1	22,6	24,0	24,0			11,6	21,2	24,0
104,0	23,1	23,1			6,3	14,1	21,2	23,1	23,1			9,7	19,0	23,1
108,0	22,2	22,2				12,3	19,7	22,2	22,2			8,1	17,0	22,2
112,0	21,4	21,6				10,6	17,7	21,1	21,6			6,5	15,2	20,9
116,0	20,5	21,0				9,0	15,6	20,0	21,0			5,0	13,3	19,6
120,0	19,7	20,4				7,5	13,6	18,9	20,4				11,3	18,3
124,0	18,5	19,9				6,1	11,6	17,6	19,9				9,5	16,8
128,0	16,6	19,4					9,9	15,7	19,4				8,2	14,9
132,0	14,9	18,7					8,6	14,0	18,7				7,1	13,2
* n *	4	4	4	4	4	4	4	4	4	4	4	4	4	4
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0	18,0
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	0,0	50,0	100,0	150,0	200,0
m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

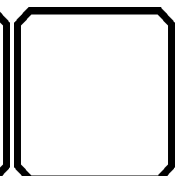
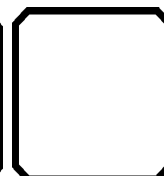
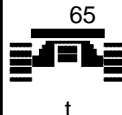
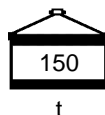


SL4DB




120m

F 12°

30m



22.00

	SL4DB 120m	F 12° 30m					
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22.00

	SL4DB 120m	F 16° 30m					
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22.00

	SL4DB 120m	F 16° 30m					
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22.00

	SL4DB 120m	F 16° 30m					
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

22.00

	SL4DB 120m	F 28° 30m					
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074548

*** 196

22.00

 m	 m > < t												CODE > 3569 < B181 9C23.x(x)	
	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0	120,0		
34,0	35,5	35,5	35,5	35,5	35,5	35,5	35,5	35,5	35,5	35,5	35,5	35,5		
36,0	34,5	34,5	34,5	34,5	34,5	34,5	34,5	34,5	34,5	34,5	34,5	34,5		
38,0	34,0	34,0	34,0	34,0	34,0	34,0	33,5	33,5	33,5	33,5	33,5	33,5		
40,0	33,0	33,0	33,0	33,0	33,0	33,0	33,0	33,0	33,0	33,0	33,0	33,0		
44,0	31,5	31,5	31,5	31,5	31,5	31,5	31,5	31,5	31,5	31,5	31,5	31,5		
48,0	27,6	30,5	30,5	30,5	30,5	30,5	28,8	30,5	30,5	30,5	30,5	30,5		
52,0	23,0	29,2	29,2	29,2	29,2	29,2	24,1	29,1	29,1	29,1	29,1	29,1		
56,0	18,9	28,2	28,2	28,2	28,2	28,2	19,9	28,2	28,2	28,2	28,2	28,2		
60,0	15,3	27,3	27,3	27,3	27,3	27,3	16,3	27,2	27,2	27,2	27,2	27,2		
64,0	12,2	24,3	26,3	26,3	26,3	26,3	13,1	26,2	26,2	26,2	26,2	26,2		
68,0	9,3	20,9	25,4	25,4	25,4	25,4	10,2	23,9	25,4	25,4	25,4	25,4		
72,0	6,8	17,7	24,7	24,7	24,7	24,7	7,6	20,6	24,6	24,6	24,6	24,6		
76,0		14,9	23,9	23,9	23,9	23,9	5,3	17,6	23,9	23,9	23,9	23,9		
80,0		12,3	22,3	23,1	23,2	23,2		14,9	23,1	23,1	23,1	23,1		
84,0		10,0	19,5	22,6	22,6	22,6		12,5	22,0	22,5	22,5	22,5		
88,0		7,8	17,0	22,0	22,0	22,0		10,2	20,9	21,9	21,9	21,9		
92,0		5,9	14,6	21,4	21,4	21,4		8,1	18,5	21,4	21,4	21,4		
96,0			12,5	20,5	20,8	20,8		6,2	16,2	20,7	20,8	20,8		
100,0			10,5	18,6	20,4	20,4			14,1	19,9	20,4	20,4		
104,0			8,6	16,4	20,0	20,0			12,1	19,1	20,0	20,0		
108,0			6,8	14,4	19,5	19,5			10,2	18,2	19,5	19,6		
112,0			5,2	12,6	19,0	19,0			8,5	17,2	19,0	19,0		
116,0				10,8	17,0	17,1			6,8	15,2	17,1	17,1		
120,0				9,2	15,1	15,2			5,3	13,1	15,3	15,3		
124,0				7,6	13,1	13,4				11,0	13,4	13,4		
128,0				6,1	11,2	11,7				9,3	11,8	11,8		
132,0					9,5	10,3				7,9	10,3	10,3		
* n *	2	2	2	2	2	2	2	2	2	2	2	2		
yy	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0	18.0	18.0		
zz	0.0	50.0	100.0	150.0	200.0	250.0	0.0	50.0	100.0	150.0	200.0	250.0		
 m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0		

SL4DB

F 28°

120m

30m

150




t

65



t



22.00

	SL4DB 120m	F 10° 36m					
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22.00

	SL4DB 120m	F 10° 36m					
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22.00

	SL4DB 120m	F 14° 36m					
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22.00

	SL4DB 120m	F 14° 36m					
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22.00

	SL4DB 120m	F 26° 36m					
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22.00

	SL4DB 126m	F 11° 12m					
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22.00

	SL4DB 126m	F 11° 12m					
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22.00

	SL4DB 126m	F 11° 12m					
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22.00

	SL4DB 126m	F 16° 12m					
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22.00

	SL4DB 126m	F 16° 12m					
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22.00

	SL4DB 126m	F 16° 12m					
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22.00

	SL4DB 126m	F 31° 12m					
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22.00

	SL4DB 126m	F 31° 12m					
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22.00

	SL4DB 126m	F 31° 12m					
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
22.00

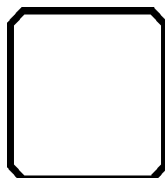
	SL4DB 126m	F 13° 18m					
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074548

*** 196

22.00

	m	 $m > < t$													CODE > 3576 < B181 9D11.x(x)	
		126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0
22,0	77,0	77,0	75,0	76,0	76,0	76,0	76,0	76,0	76,0	76,0	76,0	74,0	74,0	74,0	74,0	74,0
24,0	76,0	76,0	67,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	69,0	73,0	73,0	73,0	73,0
26,0	75,0	75,0	60,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	62,0	71,0	71,0	71,0	71,0
28,0	74,0	74,0	54,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	56,0	70,0	70,0	70,0	70,0
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32,0	71,0	71,0	44,0	67,0	69,0	69,0	69,0	69,0	69,0	69,0	69,0	46,0	68,0	68,0	68,0	68,0
34,0	69,0	69,0	40,0	61,0	68,0	68,0	68,0	68,0	68,0	68,0	68,0	41,5	66,0	66,0	66,0	66,0
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40,0	65,0	65,0	29,2	47,5	64,0	64,0	64,0	64,0	64,0	64,0	64,0	30,5	53,0	62,0	62,0	62,0
44,0	63,0	63,0	23,5	40,5	58,0	62,0	62,0	62,0	62,0	62,0	62,0	24,8	45,0	60,0	60,0	60,0
48,0	60,0	60,0	18,6	34,5	50,0	59,0	59,0	59,0	59,0	59,0	59,0	19,8	38,5	57,0	58,0	58,0
52,0	58,0	58,0	14,4	29,1	44,0	57,0	57,0	57,0	57,0	57,0	57,0	15,5	33,0	50,0	56,0	56,0
56,0	56,0	56,0	10,8	24,5	38,5	52,0	55,0	55,0	55,0	55,0	55,0	11,8	28,1	44,5	54,0	54,0
60,0	54,0	54,0	7,6	20,5	33,5	46,5	53,0	53,0	53,0	53,0	53,0	8,5	23,9	39,0	52,0	52,0
64,0	51,0	51,0		16,9	29,2	41,5	51,0	51,0	51,0	51,0	51,0	5,6	20,1	34,5	49,0	49,0
68,0	49,0	49,0		13,8	25,3	37,0	48,5	48,5	48,5	48,5	48,5		16,8	30,5	44,0	44,0
72,0	47,5	47,5		10,9	21,9	33,0	44,0	46,5	47,0	47,0	47,0		13,8	26,8	40,0	40,0
76,0	46,0	46,5		8,3	18,8	29,3	39,5	45,0	46,0	46,0	46,0		11,0	23,4	36,0	36,0
80,0	44,0	45,0		6,0	16,0	26,0	36,0	43,5	44,5	44,5	44,5		8,6	20,4	32,5	32,5
84,0	42,5	43,5			13,5	23,0	32,5	41,5	43,5	43,5	43,5		6,4	17,7	29,0	29,0
88,0	40,0	42,0			11,1	20,3	29,5	38,5	41,5	42,5	42,5			15,2	26,0	26,0
92,0	36,5	39,5			9,0	17,8	26,6	35,5	39,5	41,5	41,5			12,9	23,3	23,3
96,0	33,5	37,5			7,0	15,5	24,0	32,5	37,5	40,5	40,5			10,8	20,8	20,8
100,0	30,0	35,5			5,2	13,4	21,6	29,0	35,0	39,5	39,5			8,8	18,5	18,5
104,0	27,3	33,0				11,5	19,2	26,1	33,0	38,5	38,5			7,1	16,4	16,4
108,0	24,8	30,5				9,6	16,9	23,7	30,5	36,0	36,0			5,4	14,4	14,4
112,0	22,4	27,9				8,0	14,7	21,3	27,7	33,5	33,5				12,4	12,4
116,0	19,9	25,3				6,4	12,4	18,9	25,1	31,0	31,0				10,1	10,1
120,0	17,8	23,0				5,0	10,5	16,8	22,8	28,8	28,8				8,7	8,7
124,0	15,8	20,8					8,9	14,9	20,7	26,5	26,5				7,3	7,3
128,0	14,0	18,9					7,7	13,0	18,8	24,4	24,4				6,1	6,1
* n *	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0	18,0
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	350,0	0,0	50,0	100,0	150,0	150,0	150,0
m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

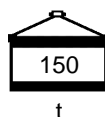


SL4DB

126m

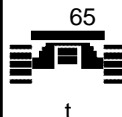
F 13°

18m



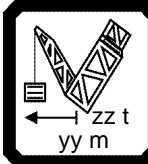
150

t



65

t



zz t

yy m

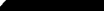
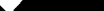
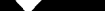
22.00

	SL4DB 126m	F 13° 18m	 t	 t	 zz t yy m		
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22.00

	SL4DB 126m	F 18° 18m					
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22.00

	SL4DB 126m	F 18° 18m					
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22.00

	SL4DB 126m	F 18° 18m					
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22.00

	SL4DB 126m	F 32° 18m					
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
22.00

	SL4DB 126m	F 32° 18m					
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22.00

	SL4DB 126m	F 32° 18m					
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
22.00

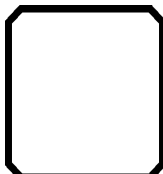
	SL4DB 126m	F 13° 24m					
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074548

*** 196

22.00

			CODE > 3579 < B181 9D12.x(x)											
	m	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0
24,0	64,0	64,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	61,0	61,0	61,0	61,0
26,0	62,0	62,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	61,0	60,0	60,0	60,0	60,0
28,0	61,0	61,0	56,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	58,0	58,0	58,0	58,0
30,0	60,0	60,0	50,0	59,0	59,0	59,0	59,0	59,0	59,0	59,0	52,0	57,0	57,0	57,0
32,0	59,0	59,0	45,5	58,0	58,0	58,0	58,0	58,0	58,0	58,0	47,5	56,0	56,0	56,0
34,0	58,0	58,0	41,5	57,0	57,0	57,0	57,0	57,0	57,0	57,0	43,0	55,0	55,0	55,0
36,0	56,0	56,0	37,5	56,0	56,0	56,0	56,0	56,0	56,0	56,0	39,0	54,0	54,0	54,0
38,0	55,0	55,0	34,0	53,0	54,0	54,0	54,0	54,0	54,0	54,0	35,5	53,0	53,0	53,0
40,0	54,0	54,0	30,5	49,0	53,0	53,0	53,0	53,0	53,0	53,0	32,0	52,0	52,0	52,0
44,0	52,0	52,0	24,9	42,0	51,0	51,0	51,0	51,0	51,0	51,0	26,2	46,0	49,5	49,5
48,0	50,0	50,0	20,0	35,5	49,0	49,0	49,0	49,0	49,0	49,0	21,2	40,0	48,0	48,0
52,0	48,0	48,0	15,8	30,5	45,0	47,0	47,0	47,0	47,0	47,0	16,9	34,0	46,0	46,0
56,0	46,0	46,0	12,2	25,8	39,5	45,5	45,5	45,5	45,5	45,5	13,2	29,4	44,5	44,5
60,0	44,0	44,0	8,9	21,8	34,5	43,5	43,5	43,5	43,5	43,5	9,9	25,1	40,5	42,5
64,0	42,5	42,5	6,1	18,2	30,5	41,5	41,5	41,5	41,5	41,5	7,0	21,4	36,0	41,0
68,0	41,0	41,0		15,0	26,5	38,0	40,0	40,0	40,0	40,0		18,0	31,5	39,5
72,0	39,0	39,0		12,2	23,1	34,0	38,5	38,5	38,5	38,5		15,0	27,9	38,0
76,0	37,5	37,5		9,6	20,0	30,5	36,5	37,0	37,0	37,0		12,3	24,6	36,0
80,0	36,5	36,5		7,2	17,2	27,1	35,0	36,0	36,0	36,0		9,8	21,6	33,5
84,0	35,0	35,0		5,1	14,6	24,1	33,0	35,0	35,0	35,0		7,6	18,8	30,0
88,0	34,0	34,0			12,3	21,4	30,5	34,0	34,0	34,0		5,5	16,3	27,1
92,0	32,5	33,0			10,1	18,9	27,6	32,5	33,0	33,0			14,0	24,4
96,0	31,0	32,0			8,1	16,6	25,0	30,5	32,0	32,0			11,9	21,9
100,0	29,3	31,0			6,3	14,4	22,6	28,6	31,0	31,0			9,9	19,5
104,0	27,6	30,0				12,5	20,3	26,8	30,0	30,0			8,1	17,4
108,0	25,8	29,0				10,6	18,0	24,8	29,0	29,1			6,4	15,4
112,0	23,6	27,3				8,9	15,9	22,6	27,2	28,5				13,5
116,0	21,3	25,5				7,3	13,8	20,3	25,5	27,8				11,8
120,0	19,0	23,8				5,9	11,6	18,0	23,7	27,1				9,9
124,0	16,9	22,0					9,8	15,9	21,8	26,2				8,2
128,0	15,0	19,9					8,4	14,1	19,7	25,1				6,8
132,0	13,2	18,0					7,2	12,2	17,9	23,3				5,7
* n *	4	4	4	4	4	4	4	4	4	4	4	4	4	4
yy	13,0	13,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	18,0	18,0	18,0	18,0
zz	300,0	350,0	0,0	50,0	100,0	150,0	200,0	250,0	300,0	350,0	0,0	50,0	100,0	150,0
m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

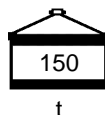


SL4DB

126m

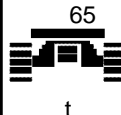
F 13°

24m



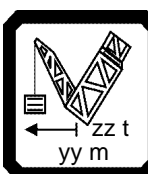
150

t



65

t



zz t

yy m

22.00

	SL4DB 126m	F 13° 24m	 t	 t	 zz t yy m		
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22.00

	SL4DB 126m	F 18° 24m					
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22.00

	SL4DB 126m	F 18° 24m					
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22.00

	SL4DB 126m	F 18° 24m	 t	 t	 zz t yy m		
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22.00

	SL4DB 126m	F 30° 24m					
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


22.00

	SL4DB 126m	F 30° 24m	 t	 t	 zz t yy m		
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22.00

	SL4DB 126m	F 30° 24m					
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22.00

	SL4DB 126m	F 12° 30m	 t	 t	 zz t yy m		
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22.00

	SL4DB 126m	F 12° 30m					
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22.00

	SL4DB 126m	F 12° 30m					
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22.00

	SL4DB 126m	F 16° 30m					
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22.00

	SL4DB 126m	F 16° 30m					
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22.00

	SL4DB 126m	F 16° 30m					
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22.00

	SL4DB 126m	F 28° 30m					
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22.00

	SL4DB 126m	F 28° 30m					
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22.00

	SL4DB 126m	F 10° 36m					
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22.00

	SL4DB 126m	F 10° 36m					
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22.00

	SL4DB 126m	F 14° 36m					
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22.00

	SL4DB 126m	F 14° 36m					
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22.00

The diagram shows a crane system with the following components labeled from left to right:

- Empty box
- SL4DB
- 126m
- F 26°
- 36m
- Diagram of a crane with a load of 150 and a base labeled 't'
- Diagram of a crane with a load of 65 and a base labeled 't'
- Diagram of a crane with a load of 'zz t' and a base labeled 'yy m'
- Empty box
- Empty box

22.00

	SL4DB 132m	F 11° 12m					
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22.00

	SL4DB 132m	F 11° 12m					
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22.00

	SL4DB 132m	F 11° 12m					
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22.00

	SL4DB 132m	F 16° 12m					
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22.00

	SL4DB 132m	F 16° 12m	 t	 t	 zz t yy m		
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22.00

	SL4DB 132m	F 16° 12m					
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22.00

	SL4DB 132m	F 31° 12m					
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22.00

	SL4DB 132m	F 31° 12m					
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22.00

	SL4DB 132m	F 31° 12m					
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22.00

	SL4DB 132m	F 13° 18m	 t	 t	 yy m		
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22.00

	SL4DB 132m	F 13° 18m					
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22.00

	SL4DB 132m	F 13° 18m					
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22.00

	SL4DB 132m	F 18° 18m					
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22.00

	SL4DB 132m	F 18° 18m	 t	 t	 zz t yy m		
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22.00

	SL4DB 132m	F 18° 18m					
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22.00

	SL4DB 132m	F 32° 18m					
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22.00

	SL4DB 132m	F 32° 18m					
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22.00



The diagram shows a crane system with the following components labeled:

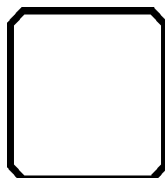
- SL4DB**: A rectangular component, likely a motor or control unit.
- F 32°**: A label indicating a force or angle of 32 degrees.
- 132m**: A dimension, likely the height of the crane.
- 18m**: A dimension, likely the length of the crane.
- 150**: A label on a component, likely a weight or force.
- 65**: A label on a component, likely a weight or force.
- zz t**: A label on a component, likely a weight or force.
- yy m**: A dimension, likely the length of the crane.

074548

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22.00

 m	 m > < t														CODE > 3594 < B181 9E12.x(x)	
	132,0	132,0	132,0	132,0	132,0	132,0	132,0	132,0	132,0	132,0	132,0	132,0	132,0	132,0	132,0	132,0
26,0	56,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0	58,0
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32,0	41,0	56,0	57,0	57,0	57,0	57,0	57,0	57,0	57,0	43,0	56,0	56,0	56,0	56,0	56,0	56,0
34,0	37,0	51,0	56,0	56,0	56,0	56,0	56,0	56,0	56,0	38,5	55,0	55,0	55,0	55,0	55,0	55,0
36,0	33,5	47,0	56,0	56,0	56,0	56,0	56,0	56,0	56,0	35,0	52,0	54,0	54,0	54,0	54,0	54,0
38,0	29,9	43,0	55,0	55,0	55,0	55,0	55,0	55,0	55,0	31,5	48,0	53,0	53,0	53,0	53,0	53,0
40,0	26,9	39,5	52,0	54,0	54,0	54,0	54,0	54,0	54,0	28,2	44,0	52,0	52,0	52,0	52,0	52,0
44,0	21,4	33,0	44,5	52,0	52,0	52,0	52,0	52,0	52,0	22,7	37,5	51,0	51,0	51,0	51,0	51,0
48,0	16,8	27,6	38,5	49,0	51,0	51,0	51,0	51,0	51,0	17,9	31,5	45,0	48,5	48,5	48,5	48,5
52,0	12,8	22,8	33,0	43,0	49,0	49,0	49,0	49,0	49,0	13,8	26,5	39,0	47,0	47,0	47,0	47,0
56,0	9,2	18,7	28,1	37,5	47,0	47,0	47,0	47,0	47,0	10,3	22,2	34,0	45,5	45,5	45,5	45,5
60,0	6,2	15,0	23,9	33,0	41,5	45,5	45,5	45,5	45,5	7,1	18,3	29,5	40,5	43,5	43,5	43,5
64,0		11,8	20,2	28,6	37,0	43,0	43,5	43,5	43,5		14,9	25,5	36,0	42,0	42,0	42,0
68,0		8,9	16,9	24,8	32,5	40,5	42,0	42,0	42,0		11,8	21,9	32,0	40,5	40,5	40,5
72,0		6,3	13,9	21,4	29,0	36,5	40,0	40,0	40,0		9,1	18,6	28,2	37,5	39,0	39,0
76,0			11,2	18,4	25,6	32,5	38,5	38,5	38,5		6,6	15,7	24,8	34,0	37,5	37,5
80,0			8,7	15,6	22,5	29,3	35,5	36,5	36,5			13,1	21,7	30,5	35,5	35,5
84,0			6,5	13,1	19,6	26,2	32,5	35,0	35,0			10,6	18,9	27,2	33,5	33,5
88,0				10,8	17,1	23,4	29,6	33,0	33,0			8,4	16,4	24,3	31,5	31,5
92,0				8,6	14,7	20,7	26,7	31,5	31,5			6,4	14,0	21,7	29,3	29,3
96,0				6,7	12,5	18,3	24,1	29,0	29,0				11,9	19,2	26,6	26,6
100,0					10,5	16,1	21,5	26,3	26,3				9,9	17,0	24,1	24,1
104,0					8,6	13,9	19,0	23,7	23,7				8,0	14,9	21,7	21,7
108,0					6,9	11,4	16,4	21,0	21,0				6,3	12,9	19,1	19,1
112,0					5,3	9,3	14,0	18,4	18,4					10,7	16,6	16,6
116,0						7,9	12,3	16,3	16,3					9,2	14,6	14,6
120,0						6,5	10,5	14,3	14,3					7,7	12,6	12,6
124,0						5,2	8,7	12,2	12,2					6,2	10,6	10,6
128,0							7,1	10,3	10,3						8,8	8,8
132,0							5,9	8,9	8,9						7,6	7,6
136,0								7,7	7,7						6,4	6,4
* n *	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
yy	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	250.0
m/s	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0

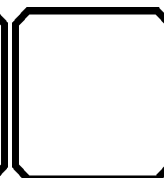
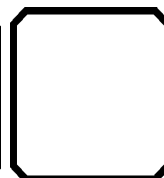
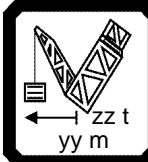
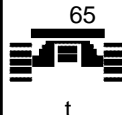
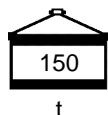


SL4DB

132m

F 13°

24m





22.00

	SL4DB 132m	F 13° 24m					
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22.00

	SL4DB 132m	F 13° 24m					
--	---------------	--------------	---	---	---	--	--


22.00

	SL4DB 132m	F 12° 30m					
--	---------------	--------------	---	---	---	--	--

22.00

	SL4DB 132m	F 12° 30m					
--	---------------	--------------	---	---	---	--	--

22.00

	SL4DB 132m	F 12° 30m					
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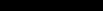
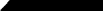
22.00

	SL4DB 132m	F 10° 36m					
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22.00

	SL4DB 132m	F 10° 36m					
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22.00

	SL4DB 138m	F 11° 12m					
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22.00

	SL4DB 138m	F 11° 12m					
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22.00

The diagram shows a crane system with the following components and labels:

- SL4DB**: Label for the first component (leftmost).
- F 11°**: Label for the second component, indicating a force or angle.
- 138m**: Label for the third component, indicating a distance.
- 150**: Label for the fourth component, indicating a weight or force.
- 65**: Label for the fifth component, indicating a weight or force.
- zz t**: Label for the sixth component, indicating a weight or force.
- yy m**: Label for the seventh component, indicating a distance.

22.00

	SL4DB 138m	F 13° 18m					
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22.00

	SL4DB 138m	F 13° 18m					
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22.00

	SL4DB 138m	F 13° 18m					
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
22.00

	SL4DB 138m	F 13° 24m	 t	 t	 zz t yy m		
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22.00

	SL4DB 138m	F 13° 24m					
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22.00

	SL4DB 138m	F 13° 24m					
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