

PROTUBE LN

EN 1004-1:2020

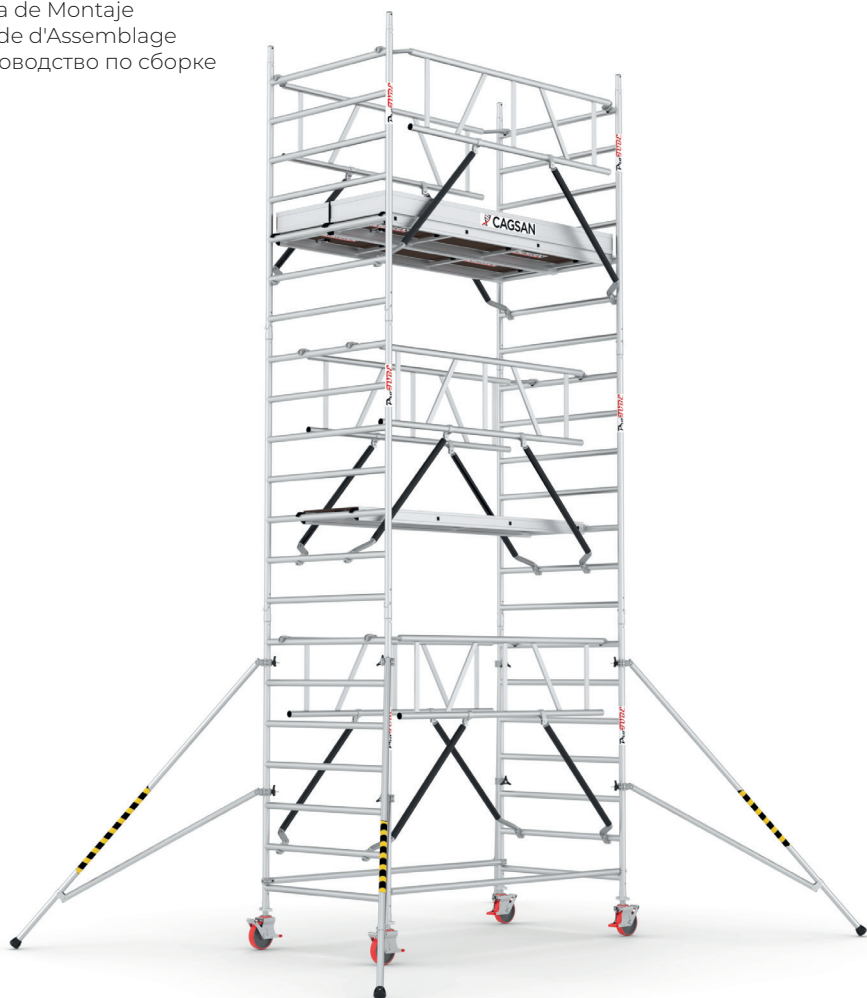
EN 1004-2:2021



202306-IU-1210

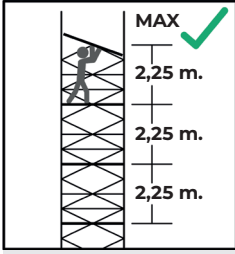
ProTUBE

EN | Assembly Guide
TR | Montaj Kilavuzu
DE | Montageanleitung
ES | Guía de Montaje
FR | Guide d'Assemblage
RU | Руководство по сборке

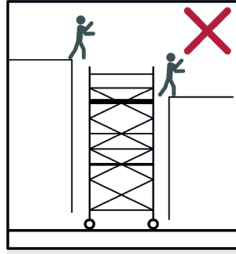


 **CAGSAN**
www.cagsanmerdiven.com

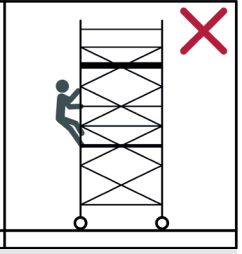
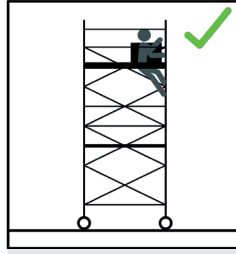
EN 1004



F. 1



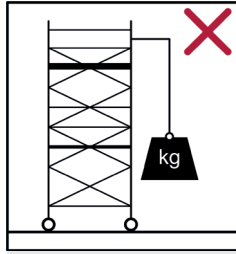
F. 2



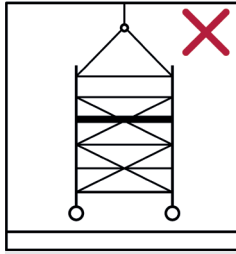
F. 3



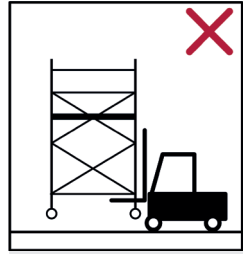
F. 4



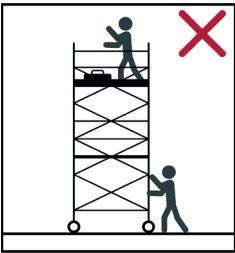
F. 5



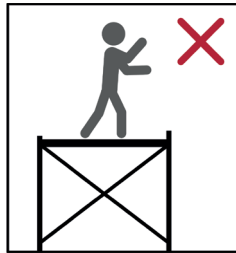
F. 6



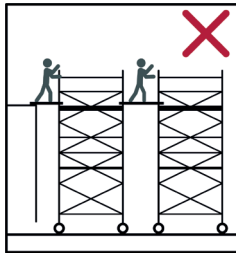
F. 7



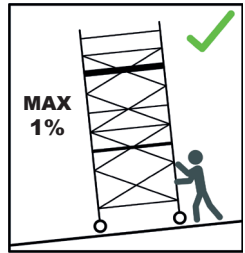
F. 8



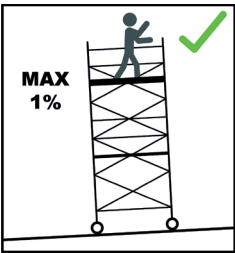
F. 9



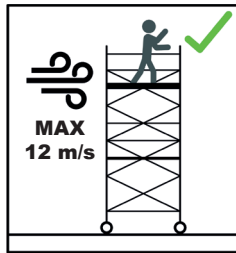
F. 10



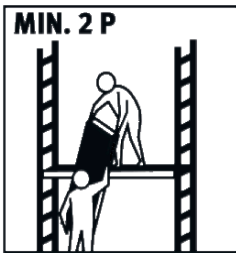
F. 11



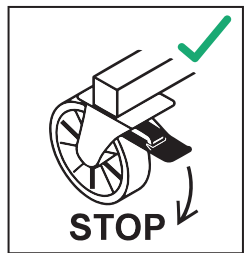
F. 12



F. 13



F. 14



F. 15

EN 1004



F. 14



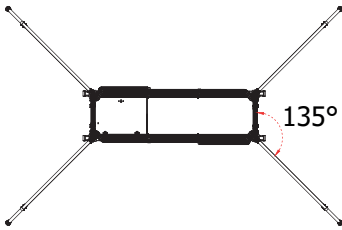
F. 15



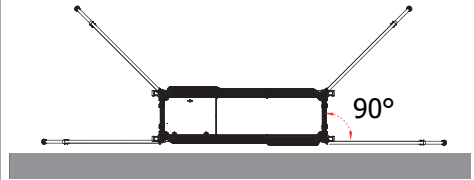
F. 16



F. 17



F. 19



F.20



F.21



F.22

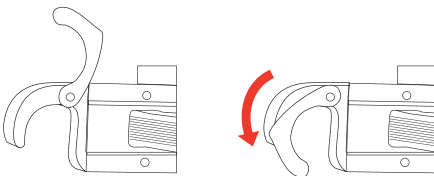


F. 23



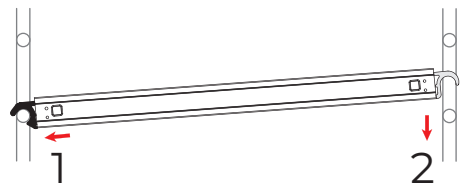
F.24

(180)



F. 25

(240)



F. 26

PROTUBE LN530 (240-180)

1 PT200TE

5 PT223M

9 PTF200GN

2 PTL132M

6 PT276PA

10 PTF182Y

3 PT259Y

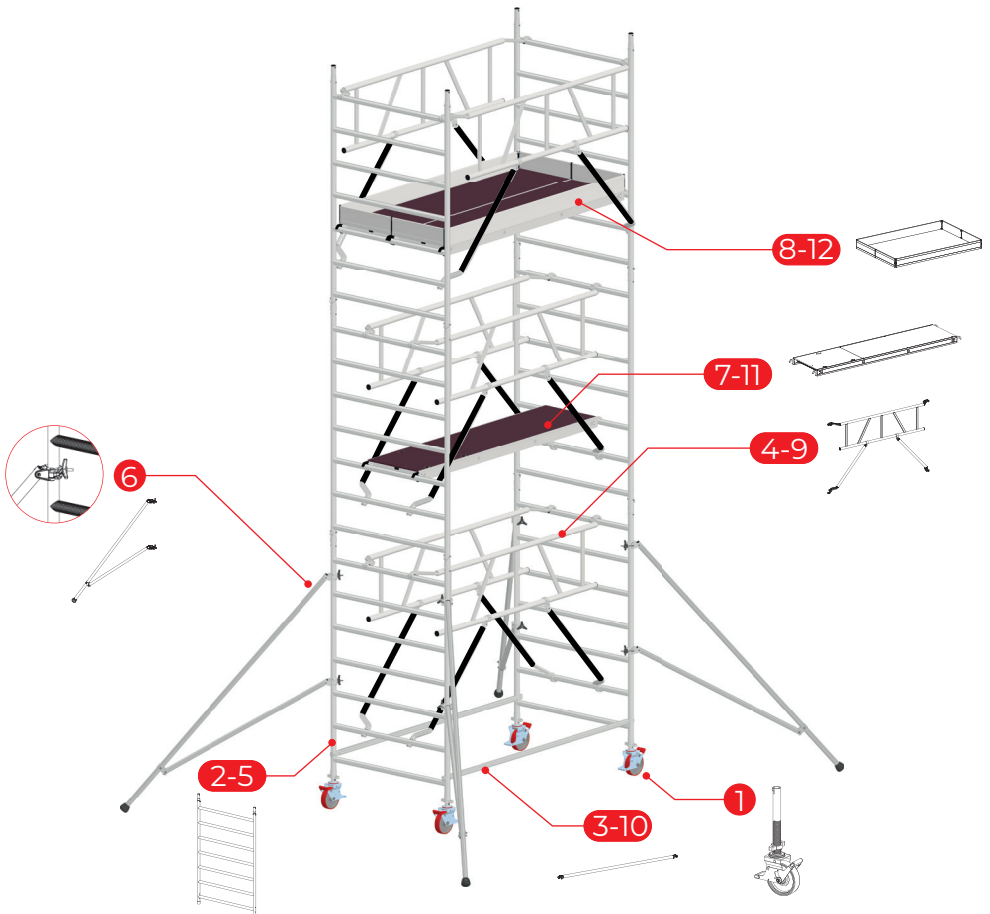
7 PT258KPN

11 PTF183KP



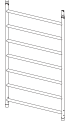

4 PTL5259GN

8 PT302TM



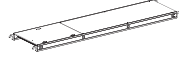
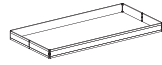
12 PT240TM





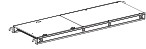
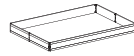
PROTUBE LN (240cm-180cm)

 <p>PT200TE</p> <p>TR Tekerlek 200mm EN Castor 200mm RU Кастор 200mm FR Roue 200mm DE Rolle 200mm ES Rueda 200mm</p>	 <p>PTL132M</p> <p>TR 4 Basamaklı çerçeve EN 4 Rungs frame RU 4-x ступенчатая рама FR Cadre à 4 échelons DE Rahmen mit 4 Sprossen ES Marco de 4 peldaños</p>	 <p>PT223M</p> <p>TR 7 Basamaklı çerçeve EN 7 Rungs frame RU 7-x ступенчатая рама FR Cadre à 7 échelons DE Rahmen mit 7 Sprossen ES Marco de 7 peldaños</p>	 <p>PT276PA</p> <p>TR Payanda EN Stabiliser RU Стабилизатор FR Stabilisateur DE Stabilisator ES Estabilizador</p>
--	--	---	---

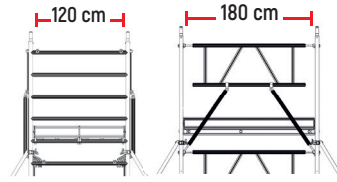
PROTUBE LN (240cm)

 <p>PTLS259GN</p> <p>TR Güvenli Korkuluk EN Safe Guardrail RU Ограждение безопасности FR Garde-corps sûr DE Sichere Leitplanke ES Barandilla de seguridad</p>	 <p>PT259Y</p> <p>TR Yatay bağlantı EN Horizontal braces RU Горизонтальные распорки FR Croisillon Horizontal DE Horizontale Klammern ES Tirantes horizontales</p>	 <p>PT258KPN</p> <p>TR Platform EN Platform RU Платформа FR Plate-forme DE Plattform ES Plataforma</p>	 <p>PT302TM</p> <p>TR Tekmelik EN Toeboard RU Бортик FR Plinthe DE Fußbrett ES Rodapié</p>
---	---	--	---

PROTUBE LN (180cm)

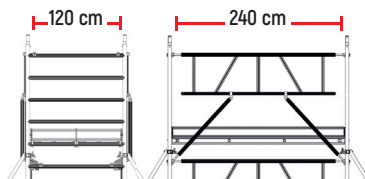
 <p>PTF200GN</p> <p>TR Güvenli Korkuluk EN Safe Guardrail RU Безопасное ограждение FR Garde-corps sûr DE Sichere Leitplanke ES Barandilla segura</p>	 <p>PTF182Y</p> <p>TR Yatay bağlantı EN Horizontal braces RU Горизонтальные распорки FR Accolades horizontales DE Horizontale Klammern ES Tirantes horizontales</p>	 <p>PTF183KPN</p> <p>TR Platform EN Platform RU Платформа FR Plate-forme DE Plattform ES Plataforma</p>	 <p>PT240TM</p> <p>TR Tekmelik EN Toeboard RU Бортик FR Plinthe DE Fußbrett ES Rodapié</p>
--	---	---	--

PROTUBE LN (180cm)



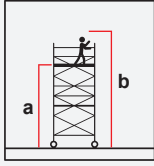
			LN230 180	LN320 180	LN440 180	LN530 180	LN650 180	LN740 180	LN860 180	LN950 180	LN1070 180	LN1160 180	
a			2,3m.	3,2m.	4,4m.	5,3m.	6,5m.	7,4m.	8,6m.	9,5m.	10,7m.	11,6m.	
b			4,3m.	5,2m.	6,4m.	7,3m.	8,5m.	9,4m.	10,6m.	11,5m.	12,7m.	13,6m.	
kg 5,7	PT200TE 280x649x125mm.		4	4	4	4	4	4	4	4	4	4	
5,8	PTL132M 1350x1327x50mm.		2	-	2	-	2	-	2	-	2	-	
1,8	PTF182Y 50x1998x50mm.		2	2	2	2	2	2	2	2	2	2	
7,1	PTF200GN 676x1998x245mm.		4	4	6	6	8	8	10	10	12	12	
9,7	PT223M 1350x2224x50mm.		2	4	4	6	6	8	8	10	10	12	
4,1	PT276PA 244x2762x132mm.		4	4	4	4	4	4	4	4	4	4	
15,9	PTF183KPN 600x1982x100mm.		2	2	3	3	4	4	5	5	6	6	
9,2	PT240TM 160x1839x90mm.		1	1	1	1	1	1	1	1	1	1	
TOTAL KG			144	151	193	201	243	250	292	300	342	349	

PROTUBE LN (240cm)



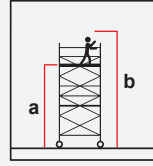
			LN230	LN320	LN440	LN530	LN650	LN740	LN860	LN950	LN1070	LN1160
			240	240	240	240	240	240	240	240	240	240
a			2,3m.	3,2m.	4,4m.	5,3m.	6,5m.	7,4m.	8,6m.	9,5m.	10,7m.	11,6m.
b			4,3m.	5,2m.	6,4m.	7,3m.	8,5m.	9,4m.	10,6m.	11,5m.	12,7m.	13,6m.
kg												
5,7	PT200TE 282x649x125mm.		4	4	4	4	4	4	4	4	4	4
5,8	PTL132M 1350x1327x50mm.		2	-	2	-	2	-	2	-	2	-
2,3	PT259Y 50x2588x50mm.		2	2	2	2	2	2	2	2	2	2
8,3	PTLS259GN 676x2588x245mm.		4	4	6	6	8	8	10	10	12	12
9,7	PT223M 1350x2234x50mm.		2	4	4	6	6	8	8	10	10	12
4,1	PT276PA 244x2762x132mm.		4	4	4	4	4	4	4	4	4	4
20,3	PT258KPN 600x2576x100mm.		2	2	3	3	4	4	5	5	6	6
10,6	PT302TM 160x2432x90mm.		1	1	1	1	1	1	1	1	1	1
TOTAL KG			160	167	216	224	272	280	329	336	385	393

PROTUBE LN



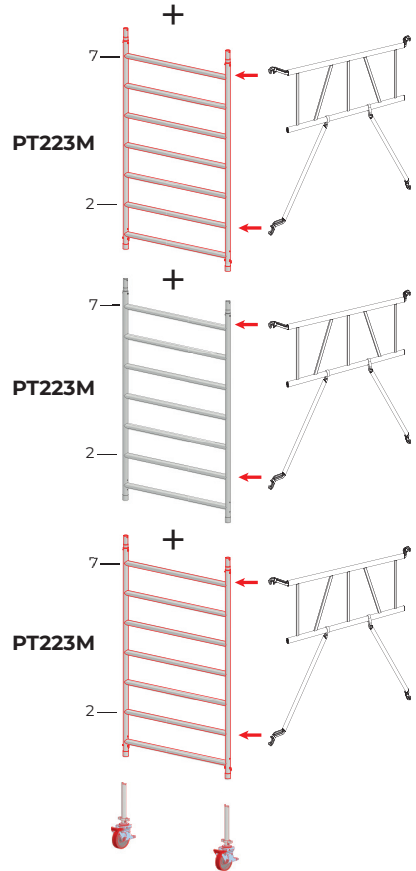
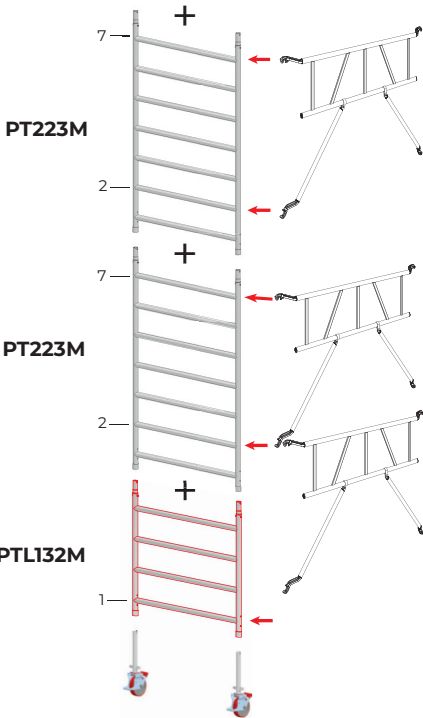
LN230 LN440 LN650 LN860 LN1070

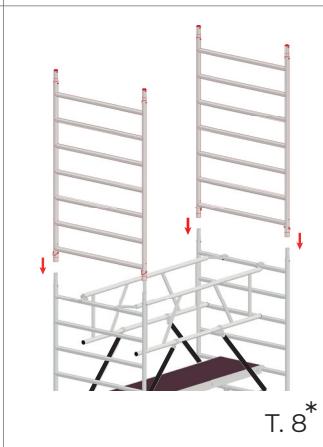
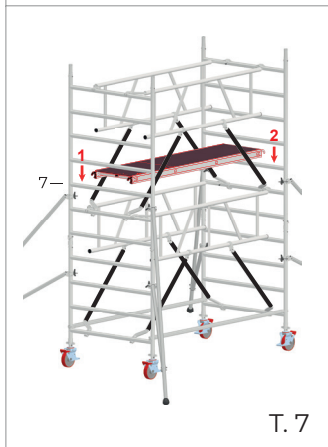
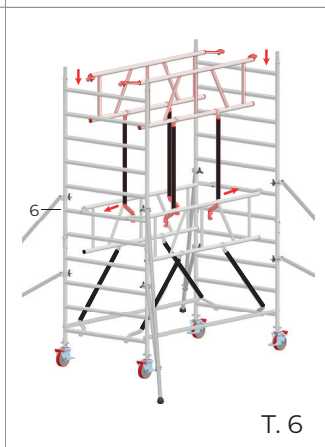
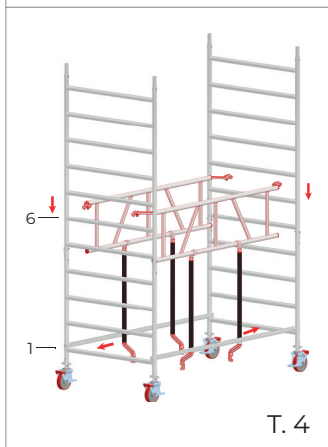
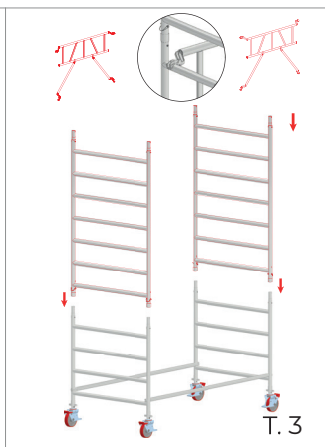
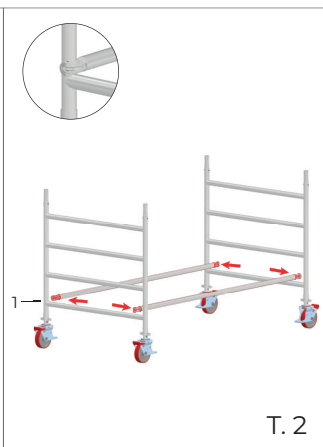
a	2,3m.	4,4m.	6,5m.	8,6m.	10,7m.
b	4,3m.	6,4m.	8,5m.	10,6m.	12,7m.

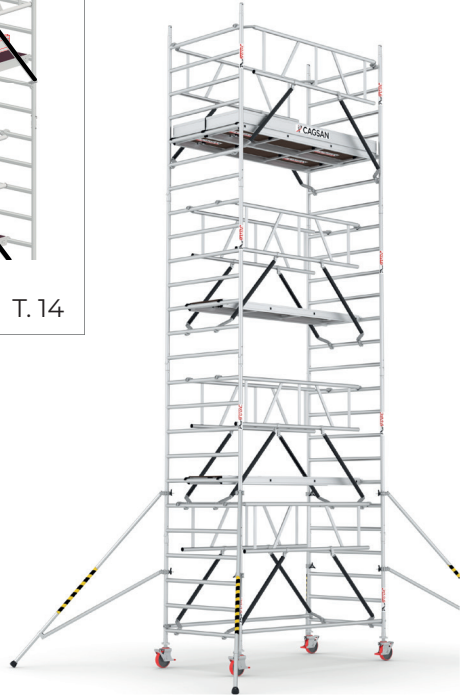
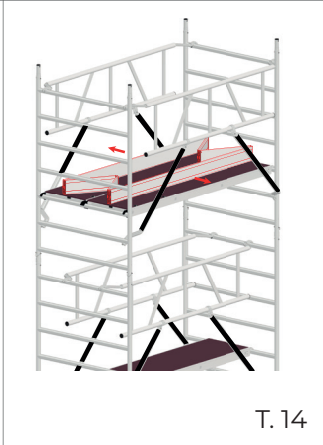
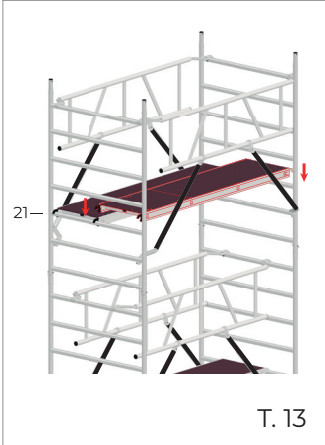
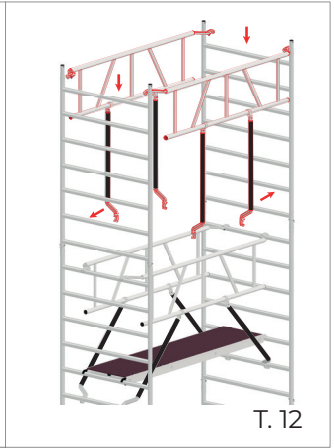
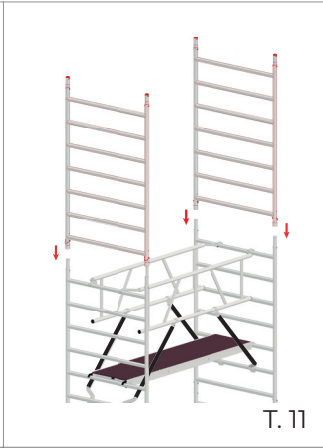
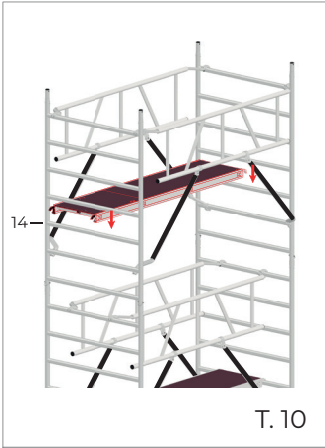


LN320 LN530 LN740 LN950 LN1160

a	3,2m.	5,3m.	7,4m.	9,5m.	11,6m.
b	5,2m.	7,3m.	9,4m.	11,5m.	13,6m.







PROTUBE LN 650(240)

* Daha uzun konfigürasyonlar için T8, T9, T10 adımlarını tekrarlayınız.

Repeat steps T8, T9, T10 for higher configurations.

Повторяйте шаги T8, T9, T10 для высшей конфигурации

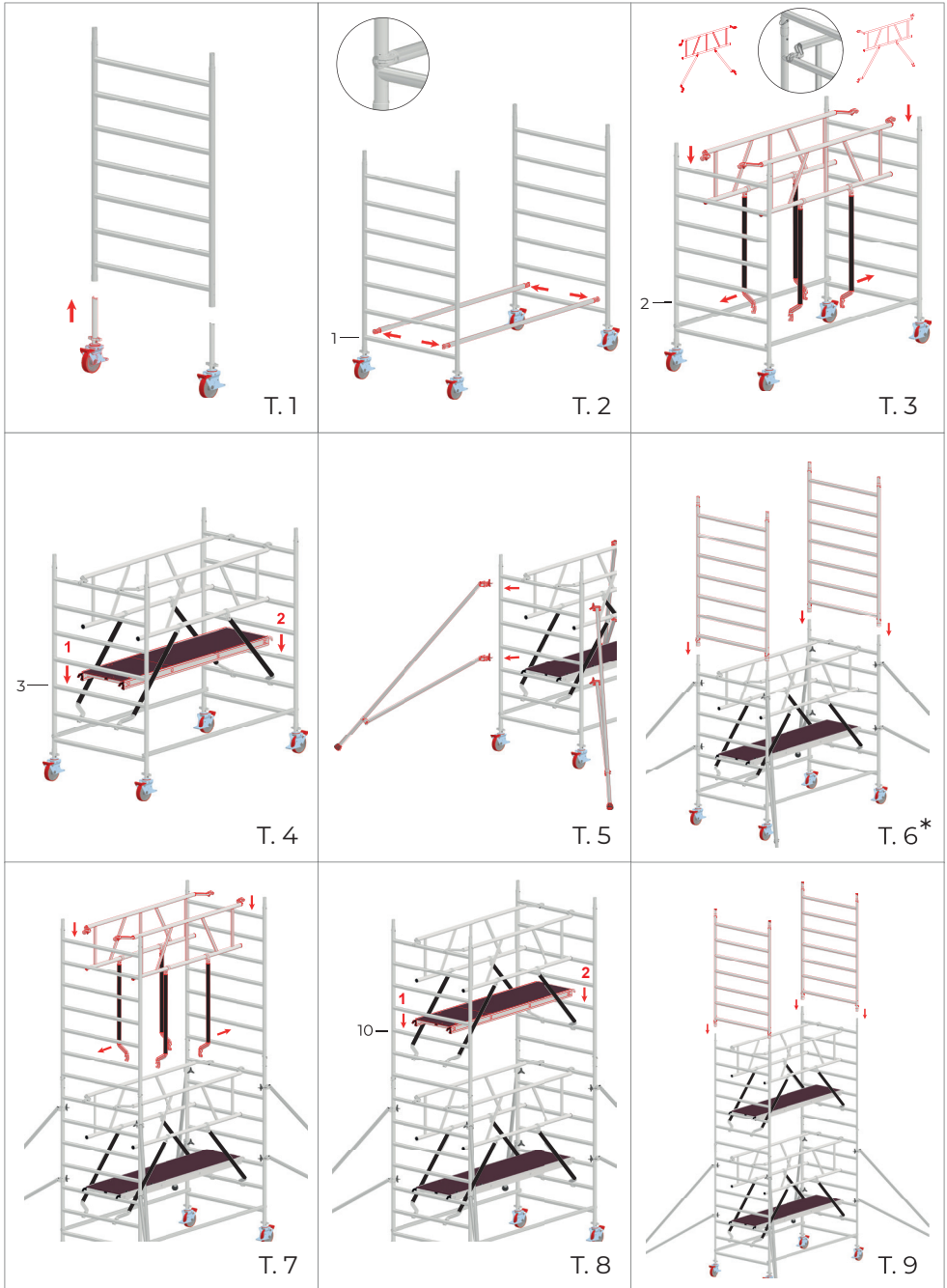
Répétez les étapes T8, T9, T10 pour une configuration plus haute

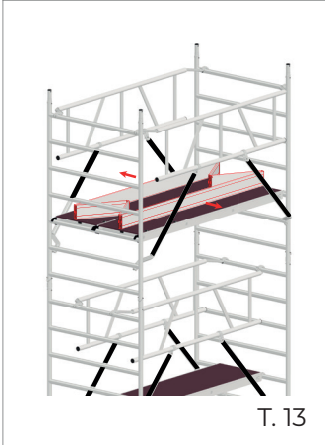
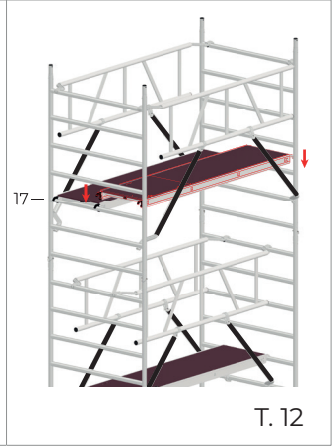
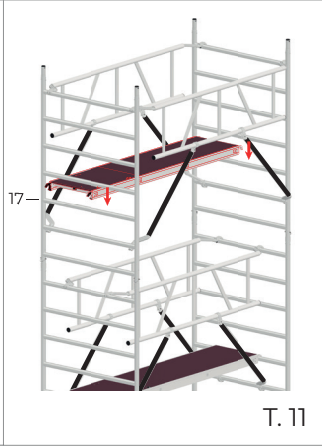
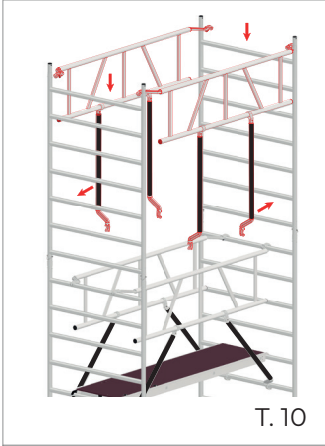
Wiederholen Sie die Schritte T8, T9, T10 länger Konfigurationen.

Repita los pasos T8, T9, T10 para mayor configuracion

PROTUBE LN

LN320 | LN530 | LN740 | LN950 | LN1160





* Daha uzun konfigürasyonlar için T6, T7, T8 adımlarını tekrarlayınız.

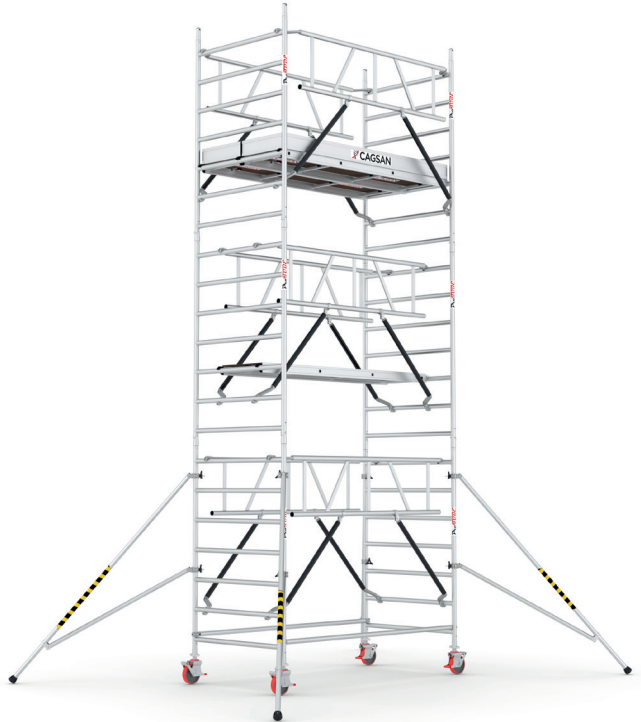
Repeat steps T6, T7, T8 for higher configurations.

Повторяйте шаги T6, T7, T8 для высшей конфигурации

Répétez les étapes T6, T7, T8 pour une configuration plus haute

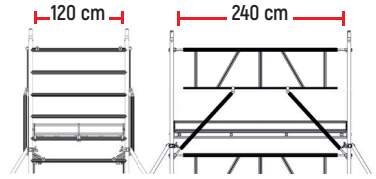
Wiederholen Sie die Schritte T6, T7, T8 länger Konfigurationen.

Repita los pasos T6, T7, T8 para mayor configuración



PROTUBE LN 530(240)

PROTUBE LN (240cm)



	LN230 240	LN320 240	LN440 240	LN530 240	LN650 240	LN740 240	LN860 240	LN950 240	LN1070 240	LN1160 240
a	2,3m.	3,2m.	4,4m.	5,3m.	6,5m.	7,4m.	8,6m.	9,5m.	10,7m.	11,6m.
b	4,3m.	5,2m.	6,4m.	7,3m.	8,5m.	9,4m.	10,6m.	11,5m.	12,7m.	13,6m.



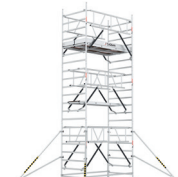
LN230 (240)



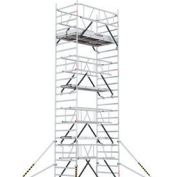
LN320 (240)



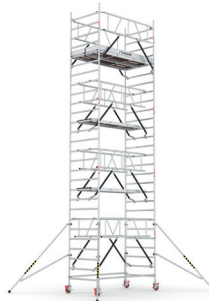
LN440 (240)



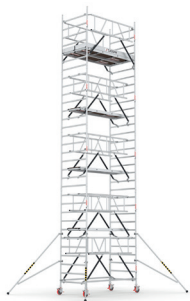
LN530 (240)



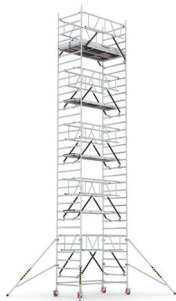
LN650 (240)



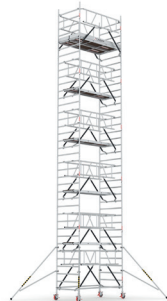
LN740 (240)



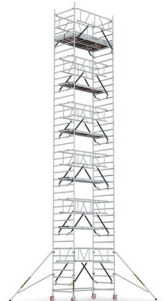
LN860 (240)



LN950 (240)



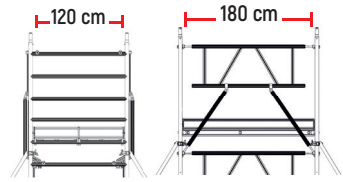
LN1070 (240)



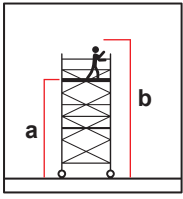
LN1160 (240)

PROTUBE LN

(180cm)



	LN230 180	LN320 180	LN440 180	LN530 180	LN650 180	LN740 180	LN860 180	LN950 180	LN1070 180	LN1160 180
a	2,3m.	3,2m.	4,4m.	5,3m.	6,5m.	7,4m.	8,6m.	9,5m.	10,7m.	11,6m.
b	4,3m.	5,2m.	6,4m.	7,3m.	8,5m.	9,4m.	10,6m.	11,5m.	12,7m.	13,6m.



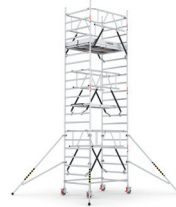
LN230 (180)



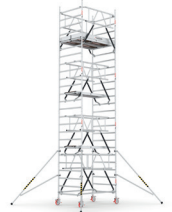
LN320 (180)



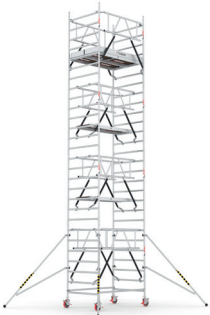
LN440 (180)



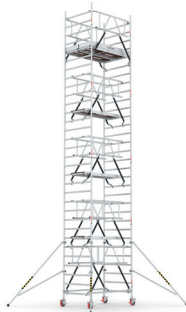
LN530 (180)



LN650 (180)



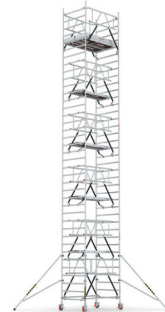
LN740 (180)



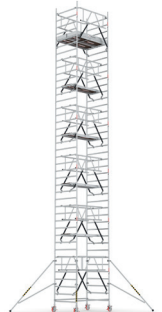
LN860 (180)



LN950 (180)



LN1070 (180)



LN1160 (180)

Hazırlayan: Çağsan Merdiven ve Eriřim Ekipmanları San. Tic. Ltd. řti.

©2023 Tüm hakları saklıdır. Çağsan Merdiven'in yazılı izni olmaksızın bu dokümanın tamamı veya belli bir bölümü hiçbir şekilde basılı veya herhangi diđer bir elektronik ortamda kullanılmaz, çoğaltılamaz ve kopyalanamaz.

Prepared by: Çağsan Merdiven ve Eriřim Ekipmanları San.Tic.Ltd.řti.

©2023 All rights reserved. Without the written consent of Çağsan Merdiven, all or any part of this document may be printed or copied.

Cagsan Merdiven ve Erisim Ekipmanlari San.Tic.Ltd.Sti.

Gebze Factory:

Dilovasi Organize Sanayi Bolgesi 3.Kisim, Meric Cad. No: 1 Muallim Koyu, Gebze, Kocaeli/TURKEY

Balikesir Factory:

Gaziosmanpasa OSB Mah. 17. Cad. No:11A Altieylul, Balikesir/TURKEY

T: +90 262 759 18 08 F: +90 262 759 187 8

info@cagsanmerdiven.com.tr
www.cagsanmerdiven.com



ÇAĞSAN MERDİVEN VE ERİŐİM EKİPMANLARI SAN.TİC.LTD.ŐTİ.

GEBZE FABRİKA: Dilovası OSB, 3. Kısım, Meriç Cad. No:1 Muallim Köyü, Gebze-KOCAELİ/TÜRKİYE

Tel: +90 262 759 18 08 **Fax:** +90 262 759 18 78

BALIKESİR FABRİKA: Balıkesir OSB, Gaziosmanpaőa OSB Mah. 17. Cad. No: 11A Altieylül - BALIKESİR / TÜRKİYE

Tel: +90 266 244 43 40 **e-posta:** info@cagsanmerdiven.com.tr