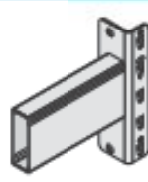
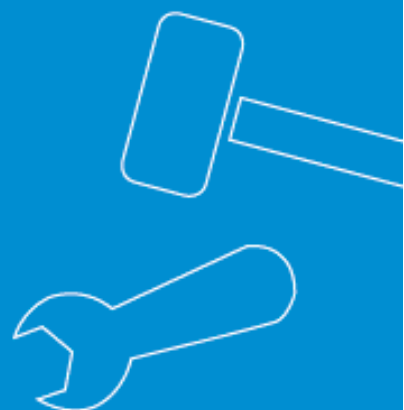














Palettenregal | Pallet racking

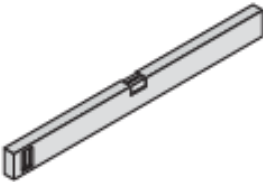


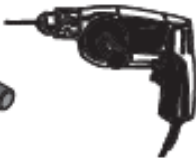
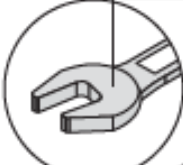
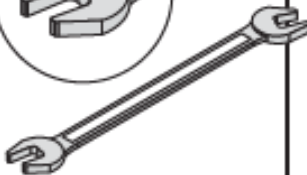
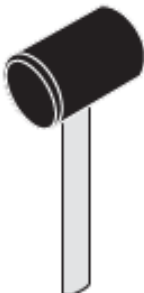
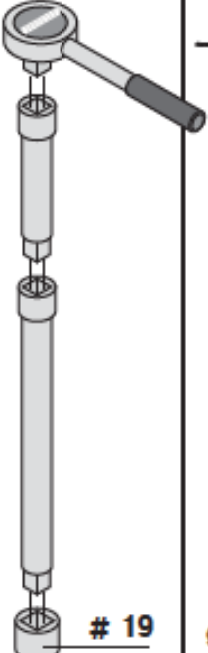


PL-PRO



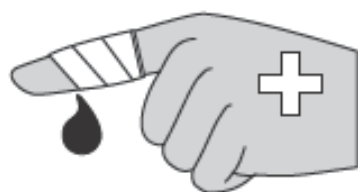
- DE Aufbau- und Bedienanleitung**
GB Instructions for assembly and use
FR Instructions de montage et d'utilisation
BE Richtlijnen en montagehandleiding
ES Instrucciones de montaje y manejo
PT Instruções de montagem e de serviço
IT Istruzioni per il montaggio e l'impiego
DK Montage- og betjeningsvejledning
HU összeállítási és kezelési útmutató
PL Instrukcja montażu i użytkowania
CZ Návod k montáži a obsluze
SK Návod na montáž a použitie
RO Instrucțiuni de asamblare și utilizare



		 3, 4, 32-35
		 5-11
		 16-31
		 35-43

		 	
# 10, 13, 16, 17  			
		 # 19 	 Ø 10, 12, 14 mm

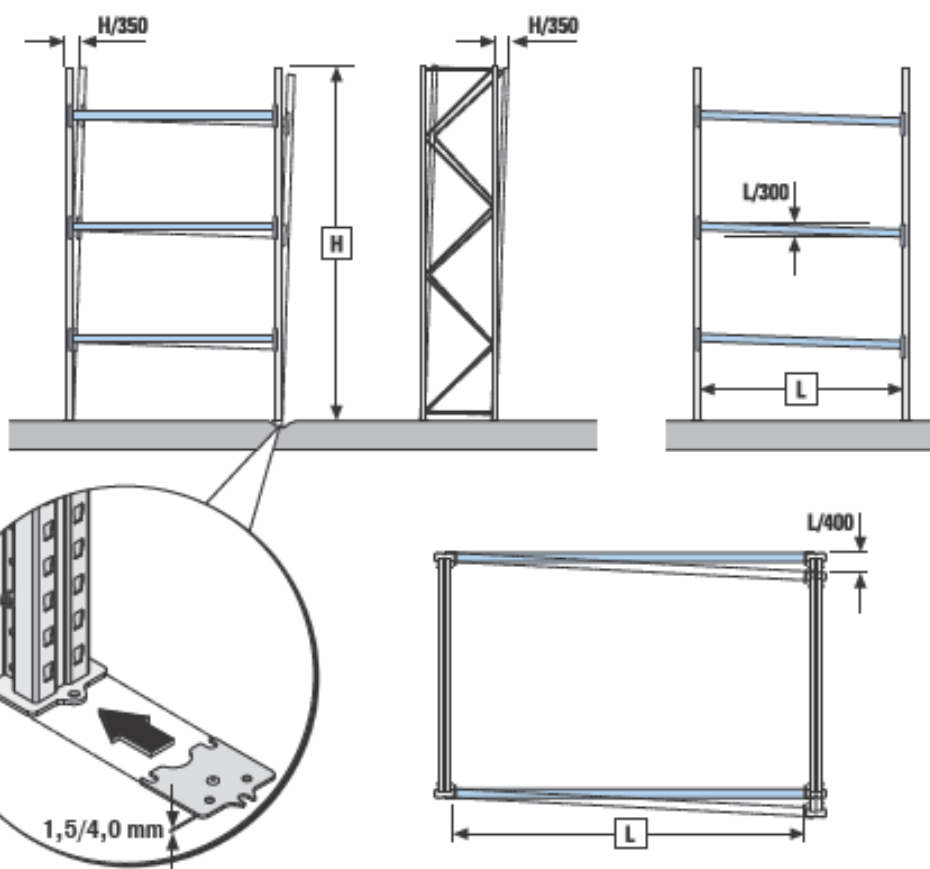




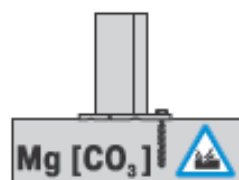
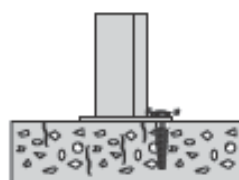
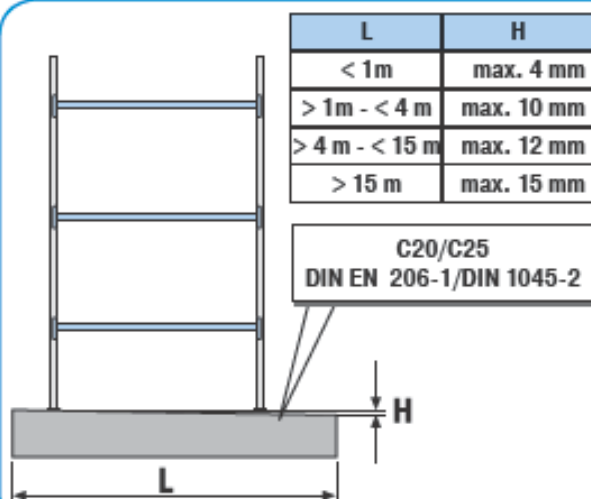
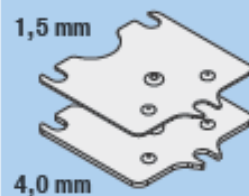
BGR 234

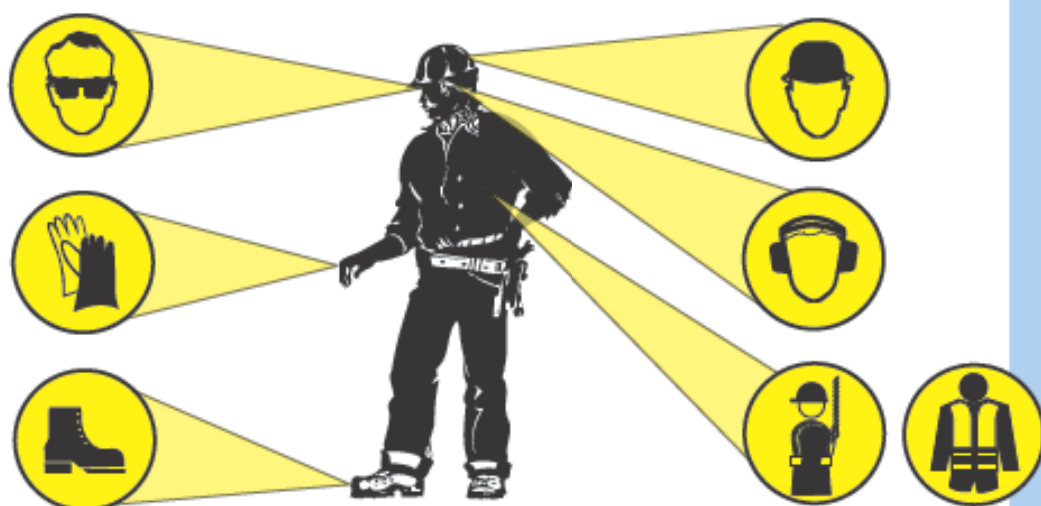


DIN EN 15635

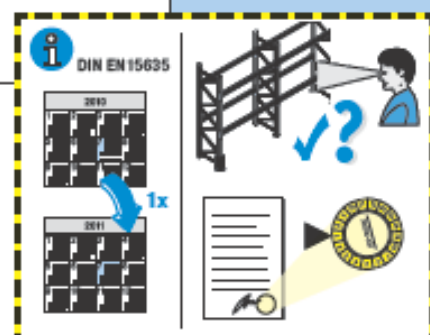
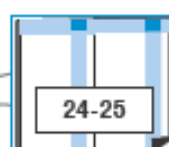
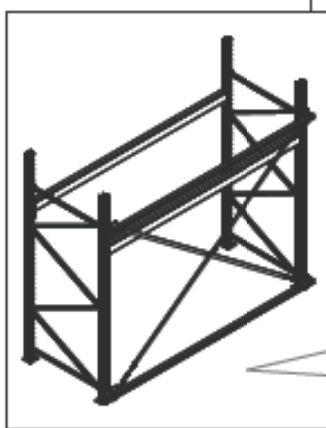
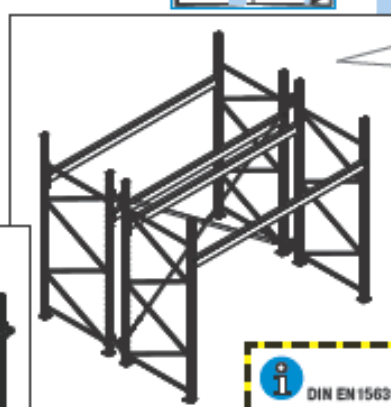
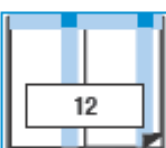
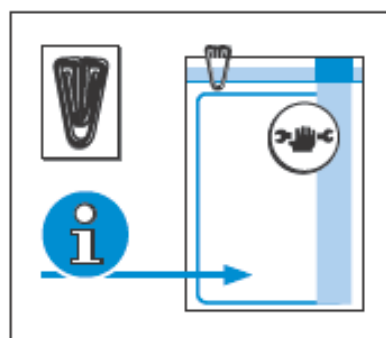


DIN EN 15620

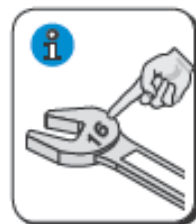






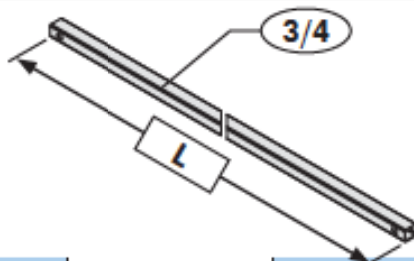
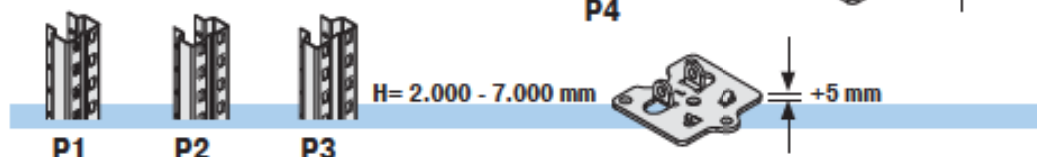
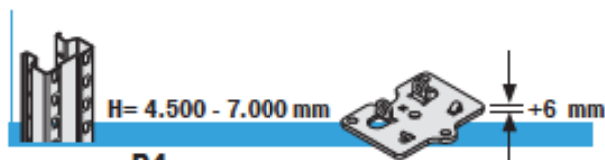
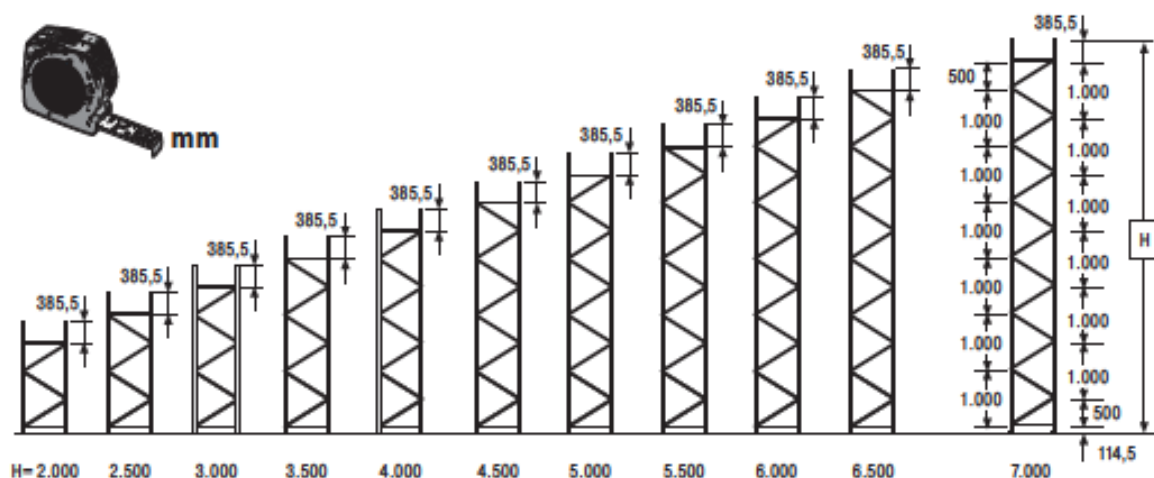


0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 mm





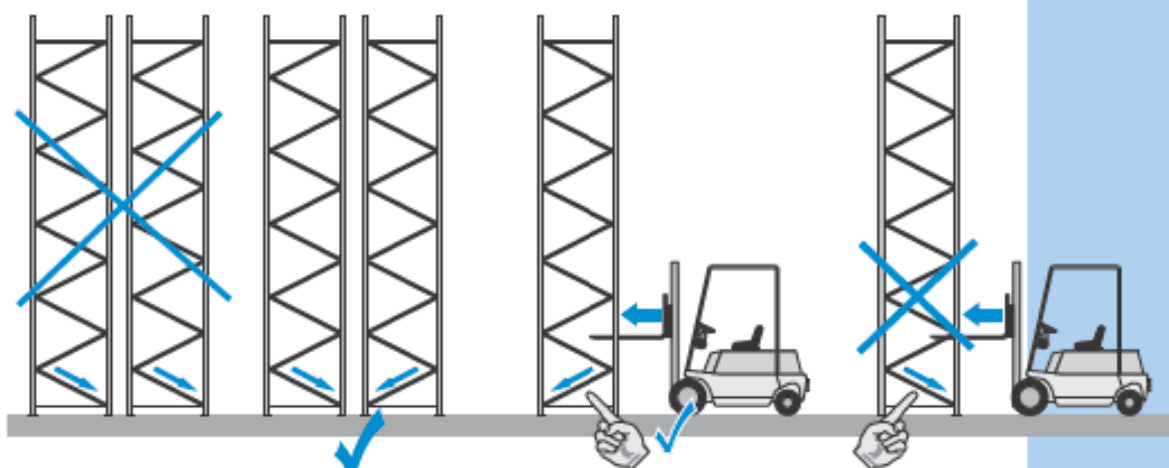
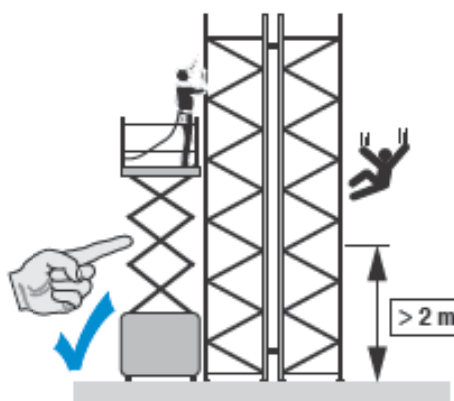
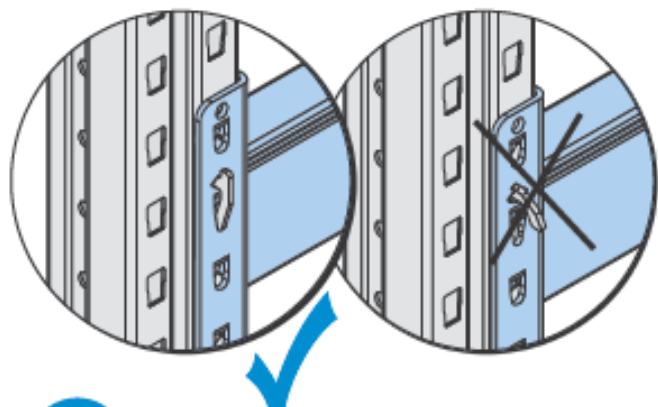
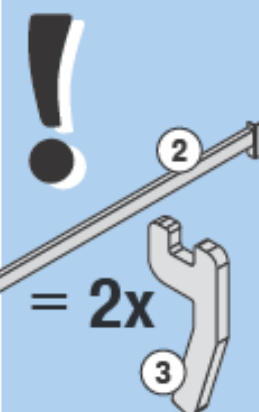
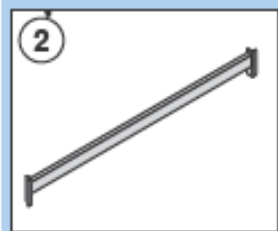
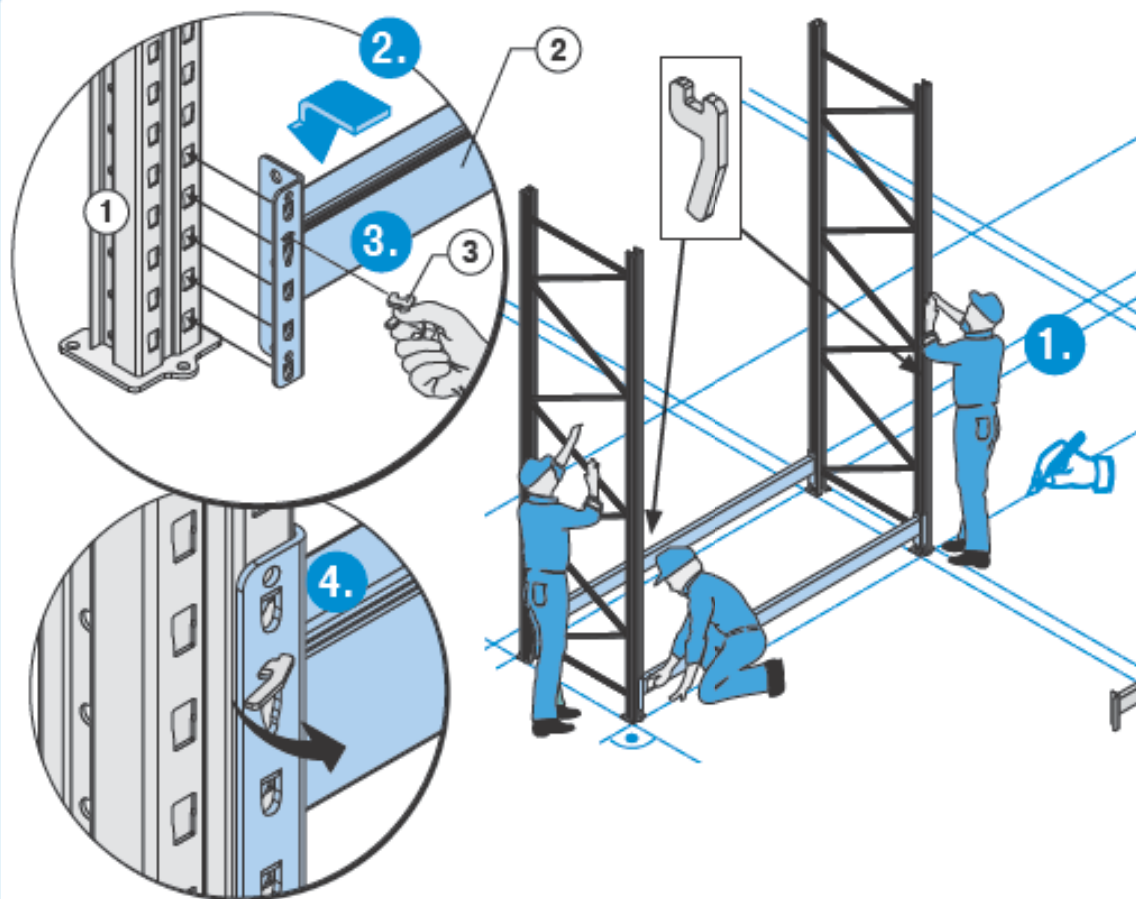
P1, P2, P3, P4

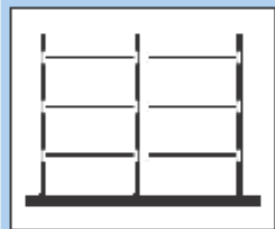
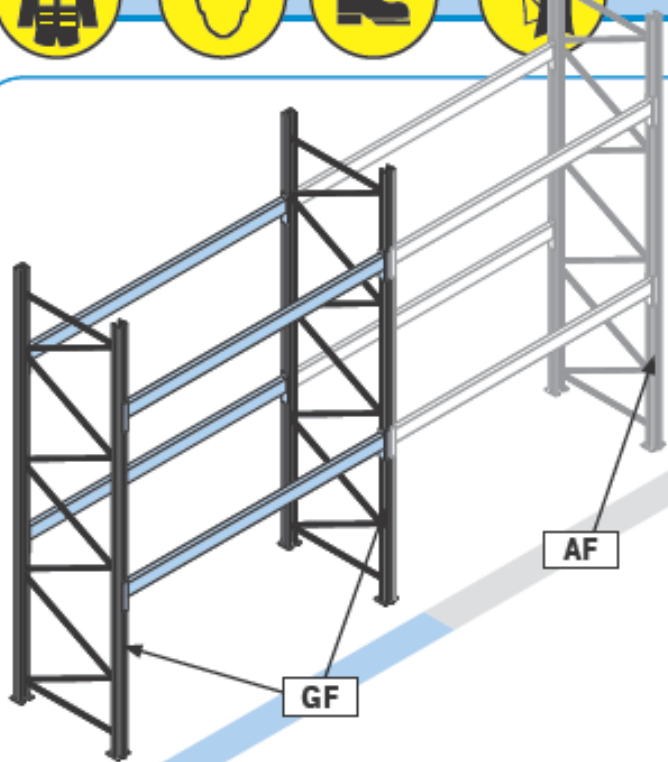


1	2		T = 600 mm		T = 800 mm		T = 1.100 mm		5	6	7
			3	4	3	4	3	4			
P1		80 mm									
P2	"L"	90 mm	L = 530 mm	L = 740 mm	L = 730 mm	L = 892 mm	L = 1.030 mm	L = 1.149 mm	M10 x 65 mm	M10	ø 14 x 1,5 LH = 25 mm
P3		100 mm							DIN EN ISO 4017	DIN EN ISO 7042	
P4	"M"	120 mm	L = 520 mm	L = 733 mm	L = 720 mm	L = 884 mm	L = 1.020 mm	L = 1.140 mm	M10 x 90 mm	M10	ø 14,0 x 1,5 LH = 34 mm



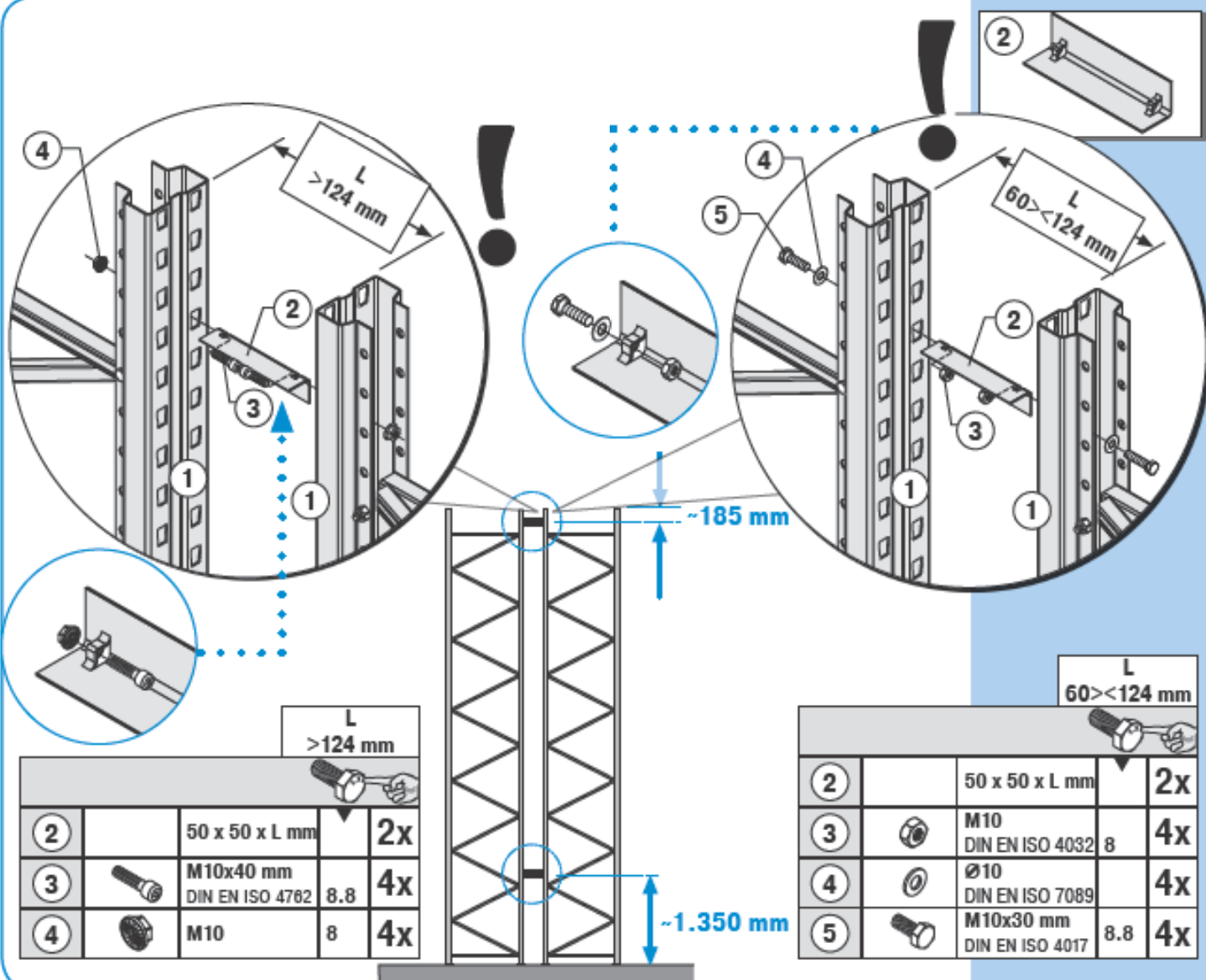
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 mm





GF = 2x

AF = 1x

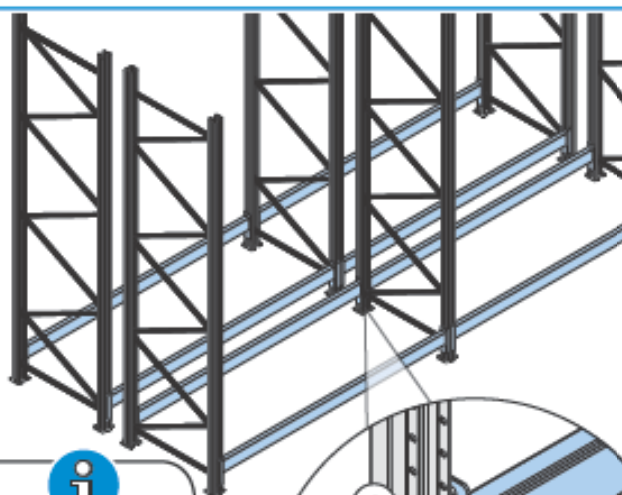


L > 124 mm				
2		50 x 50 x L mm		2x
3		M10x40 mm DIN EN ISO 4762	8.8	4x
4		M10	8	4x

L 60 < L < 124 mm				
2		50 x 50 x L mm		2x
3		M10 DIN EN ISO 4032	8	4x
4		Ø10 DIN EN ISO 7089		4x
5		M10x30 mm DIN EN ISO 4017	8.8	4x



0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 mm



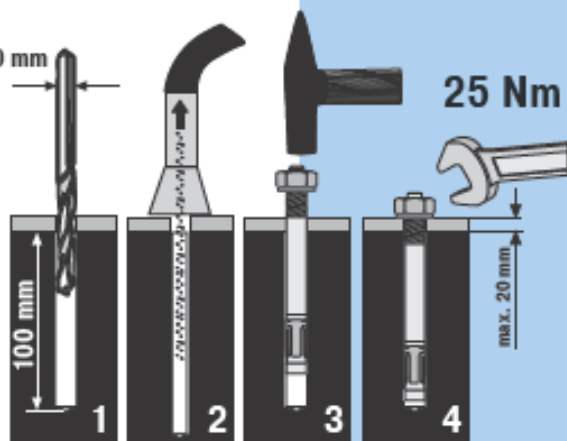
2



M10/20



Ø 10 mm



25 Nm

max. 20 mm

i



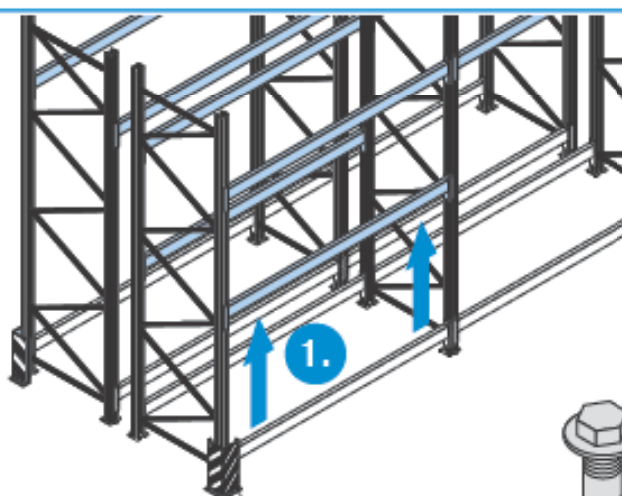
1x

=4x

1

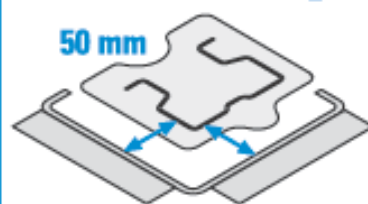
2x

2



i

50 mm



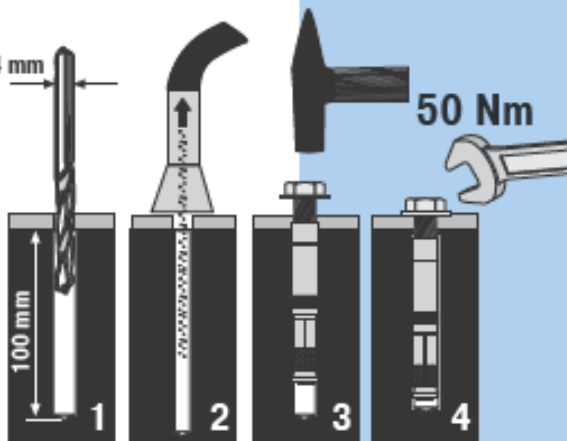
1



4x
S14/10



Ø 14 mm



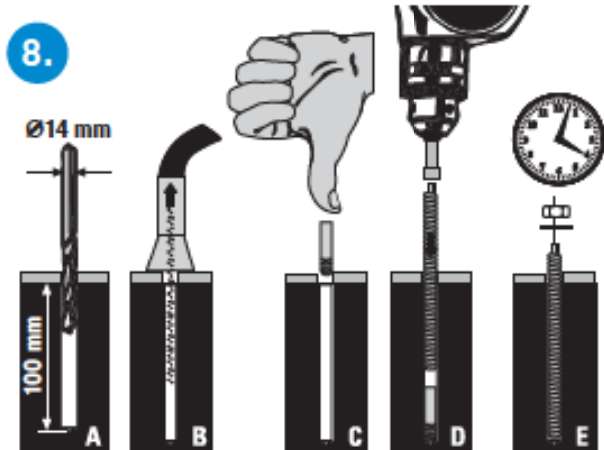
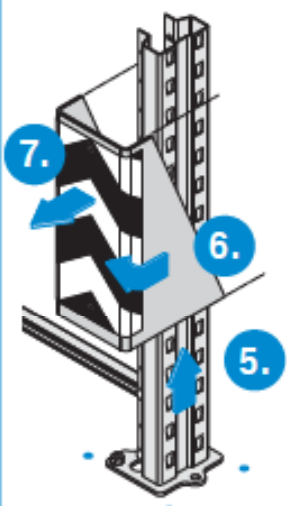
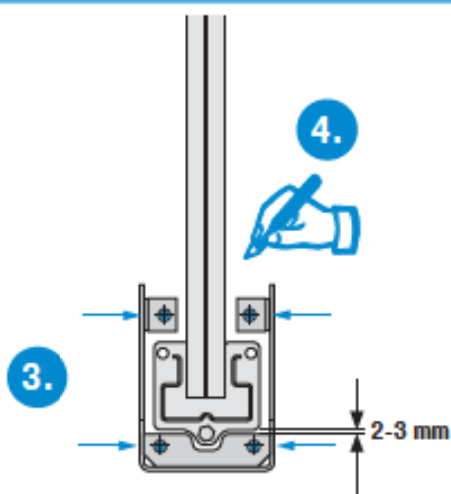
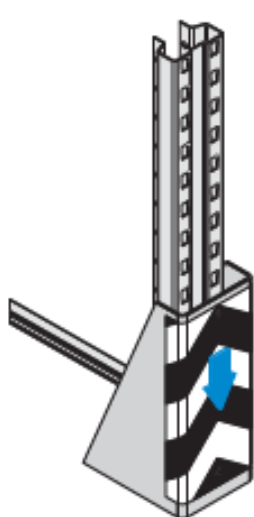
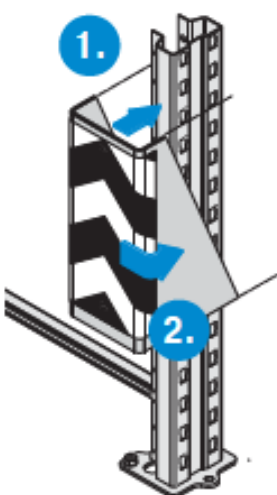
50 Nm

2.

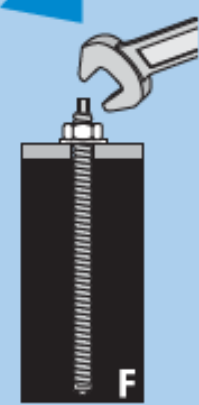
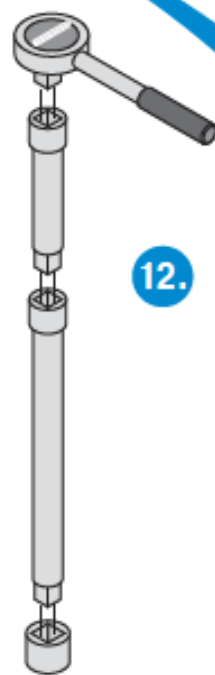
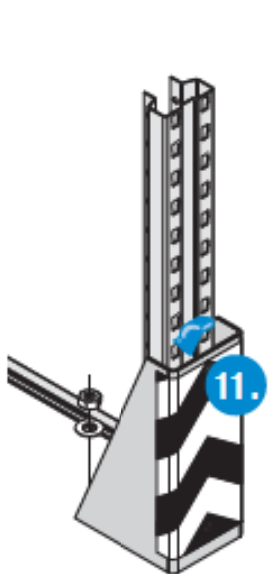
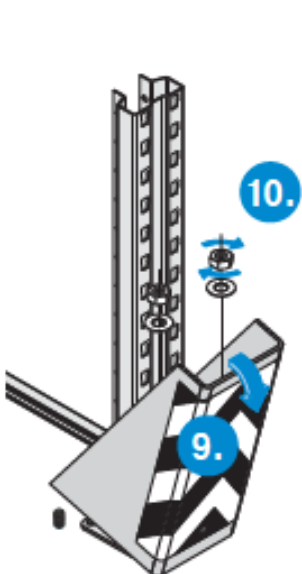
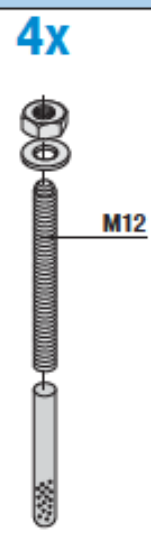
1

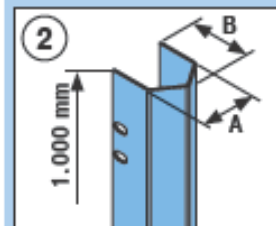
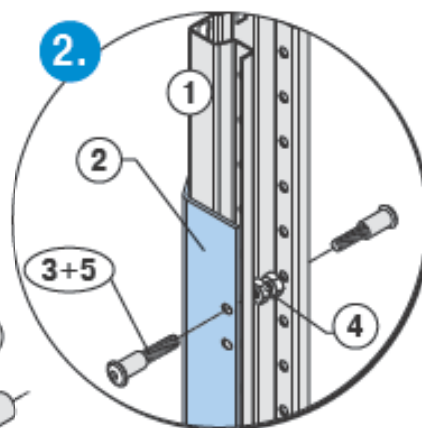
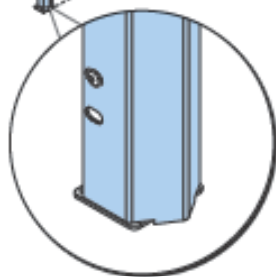
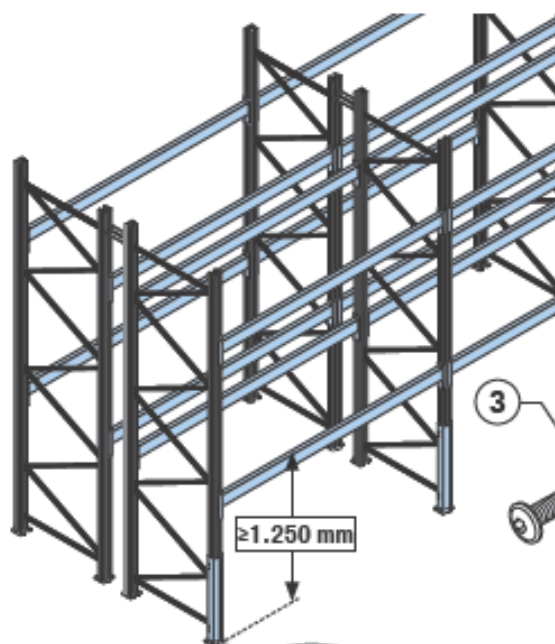
2





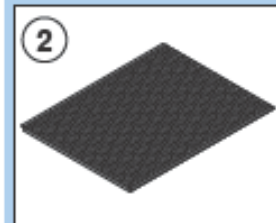
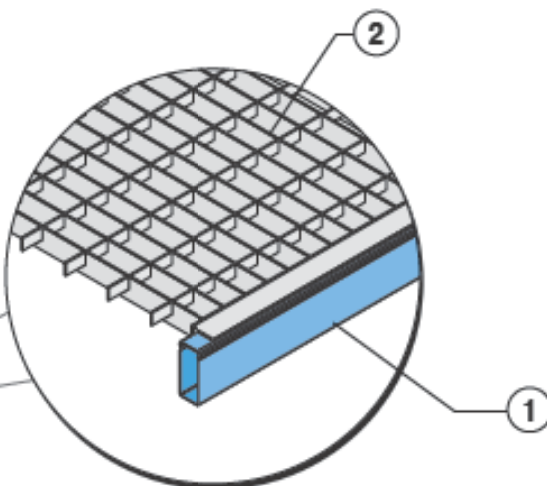
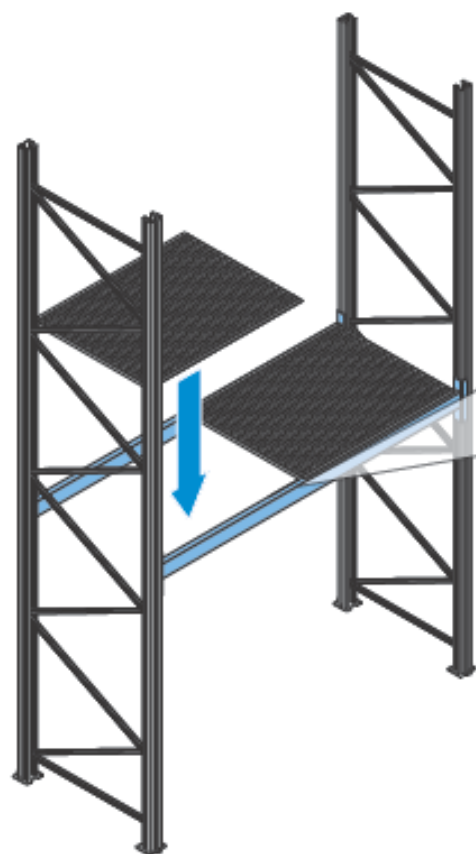
°C	
> 20	20 min.
+10 → +20	30 min.
0 → +10	1 h
-5 → 0	5 h

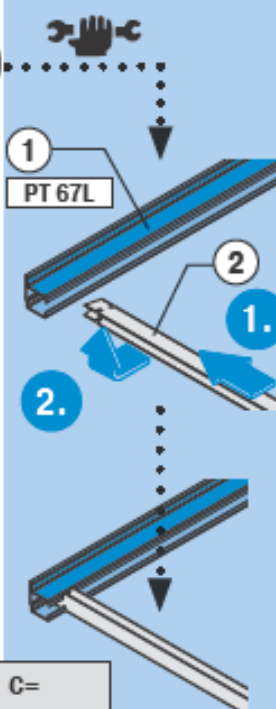
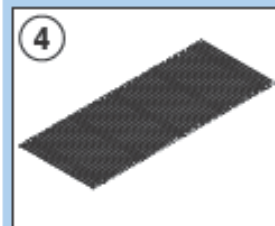
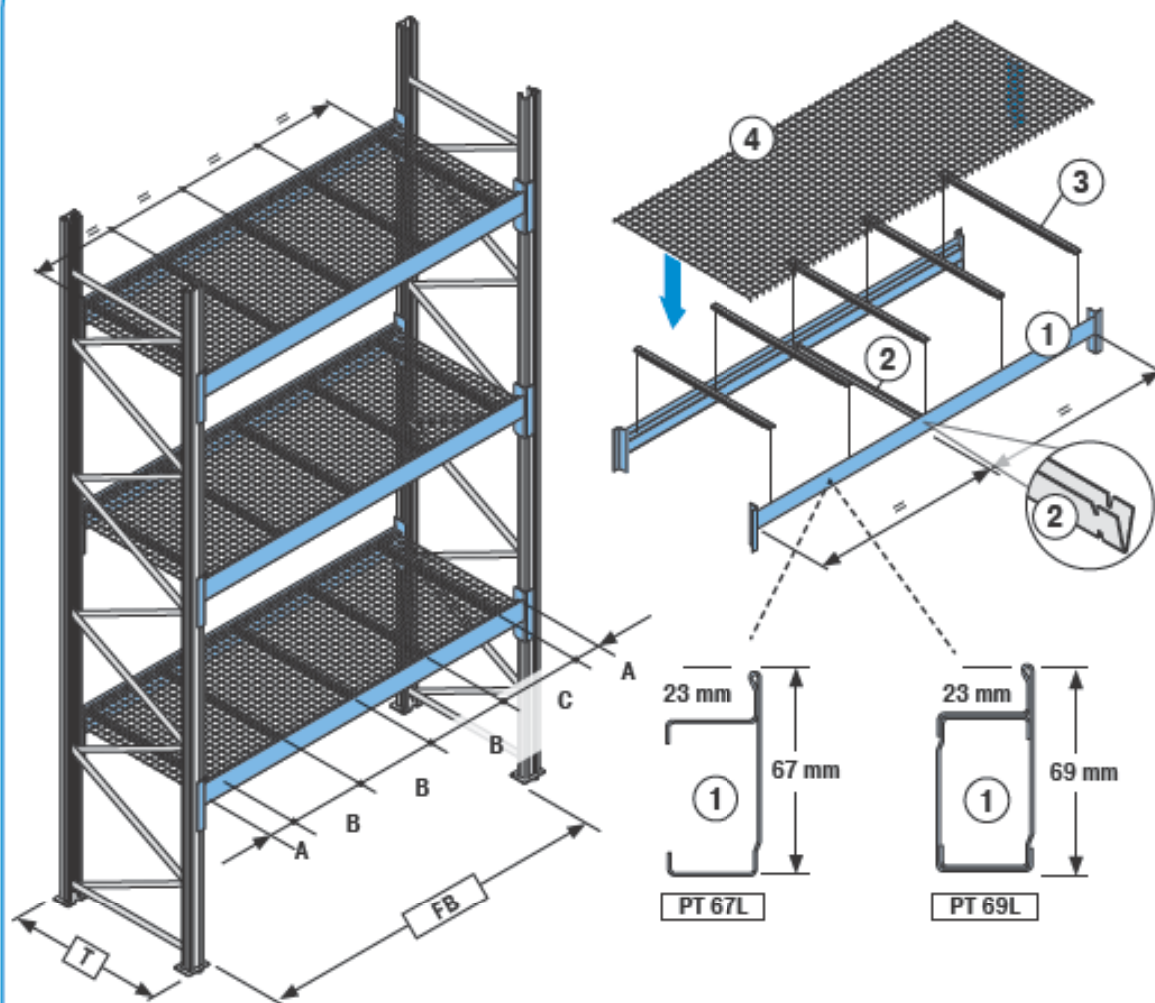




1.

1	2	3	4	5
		8.8 DIN EN ISO 7380-2	8 DIN EN ISO 4032	
	(A x B) 1x	4x	4x	4x
P1	81,5 x 110 mm	M10 x 35	M10	14 x 1,5 x 16 mm
P2	91,5 x 105 mm	M10 x 35	M10	14 x 1,5 x 21 mm
P3	101,5 x 101,5 mm	M10 x 40	M10	14 x 1,5 x 25 mm
P4	121,5 x 125,5 mm	M10 x 40	M10	14 x 1,5 x 25 mm

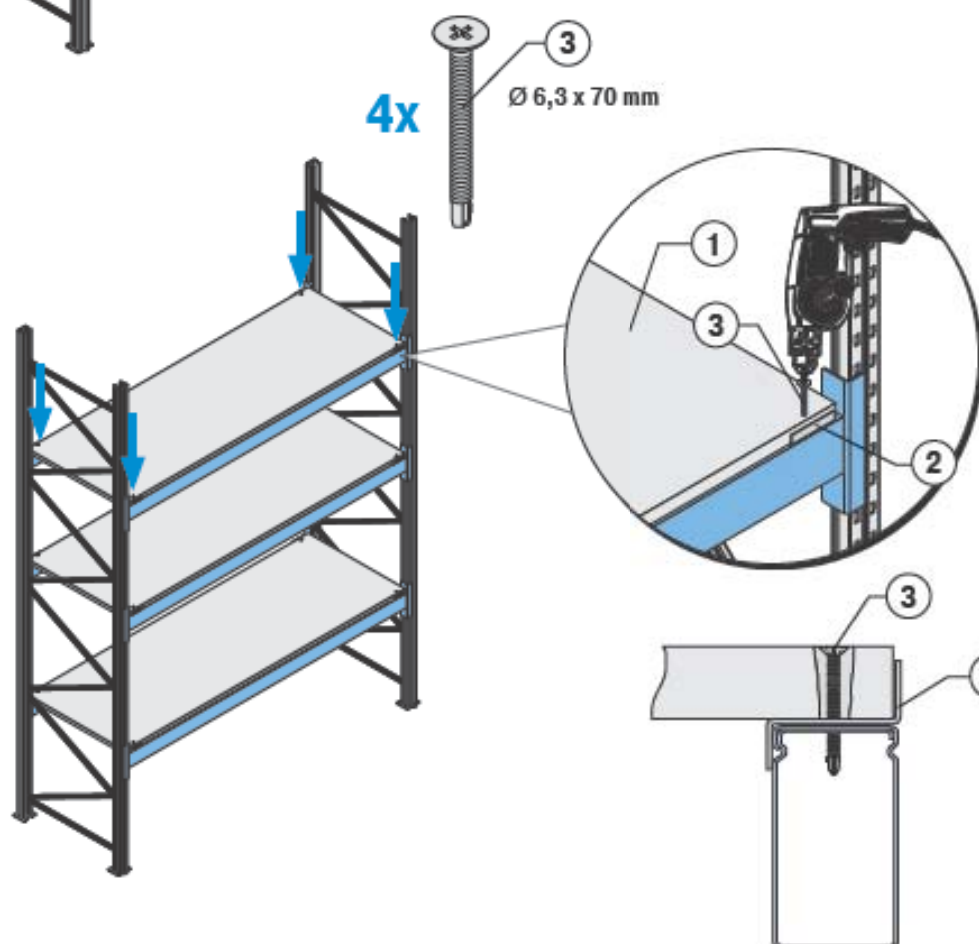
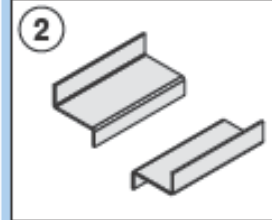
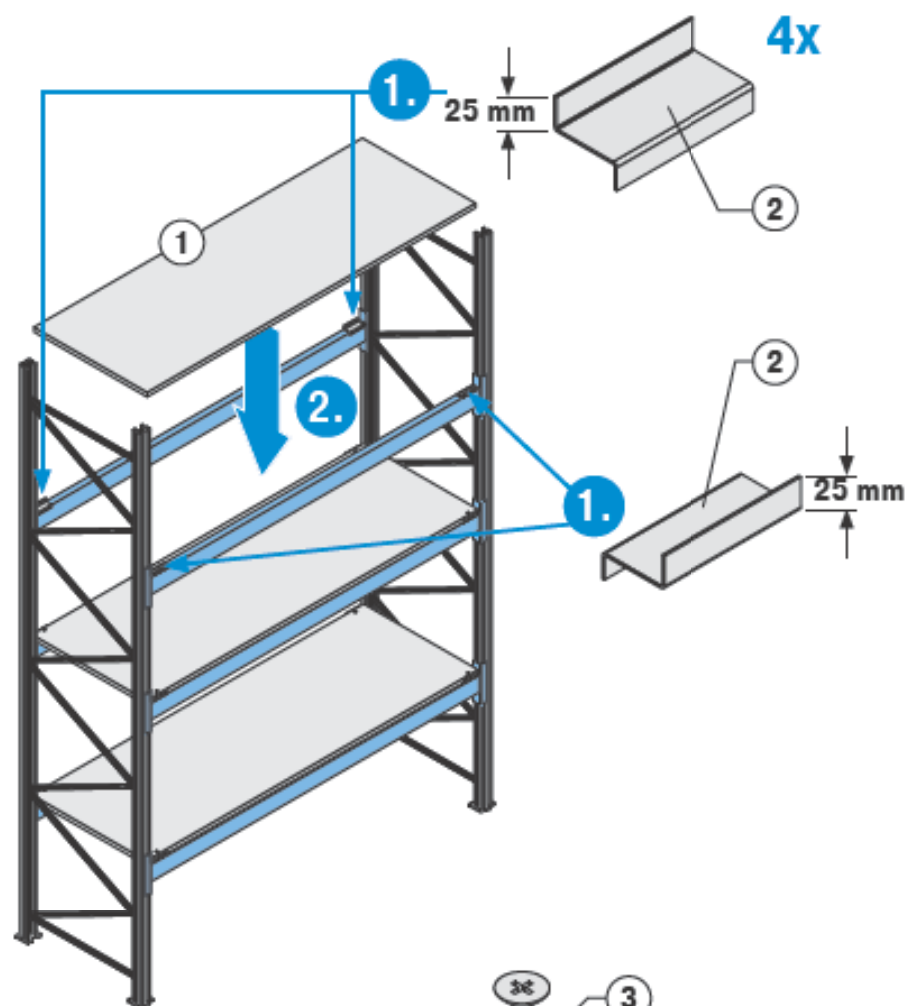


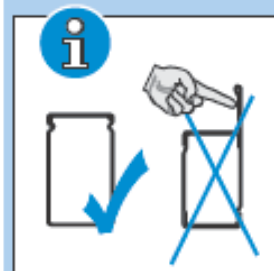
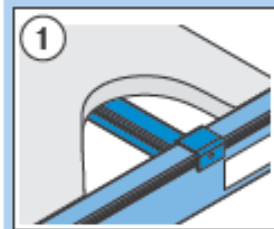
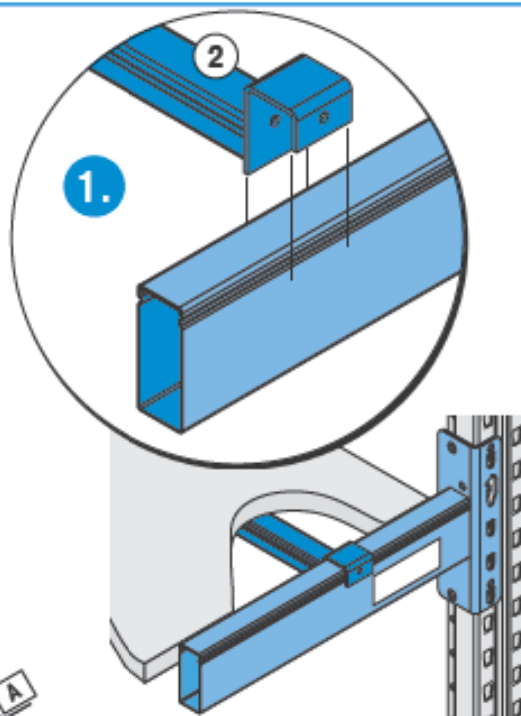
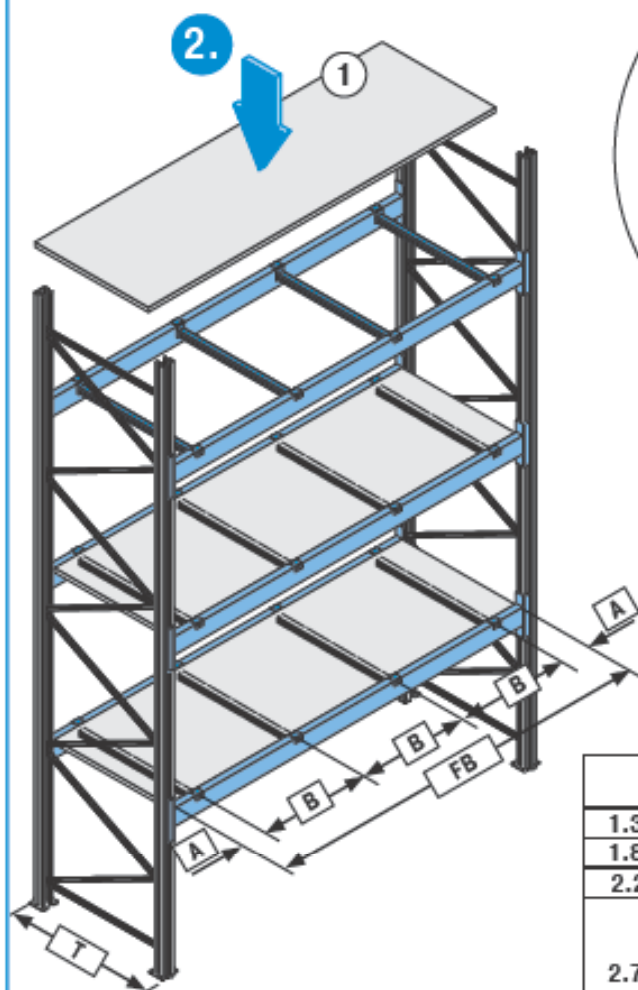


T (mm)	FB (mm)	1	2	3	A (mm)	B (mm) max.	C=
600	1.350	PT 67L	-	3	72	600	$FB - (2 \times A + \sum B)$
	1.800		-	4		550	
	2.200		1	5		550	
	2.700		1	5		650	
	2.700	PT 69L		7		450	
800	1.350	PT 67L	-	3	72	600	$FB - (2 \times A + \sum B)$
	1.800		-	4		550	
	2.200		1	5		550	
	2.700		1	5		650	
	2.700	PT 69L		7		450	
1.100	1.350	PT 67L	-	4	72	400	$FB - (2 \times A + \sum B)$
	1.800		-	5		450	
	2.200		1	5		550	
	2.700		1	5		650	
	2.700	PT 69L		7		450	

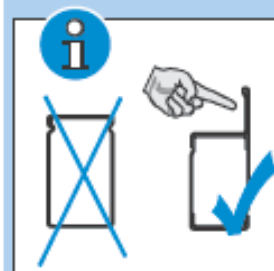
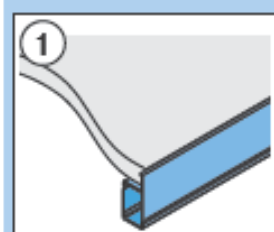
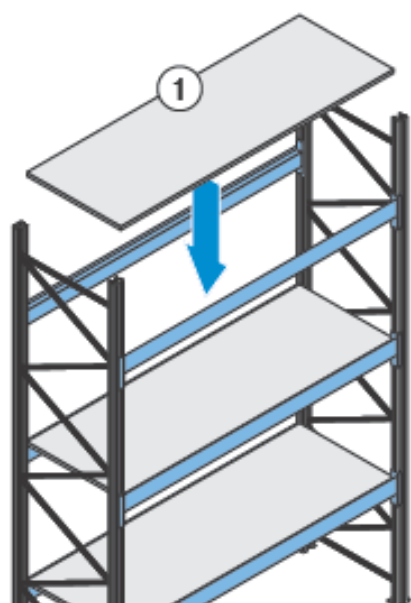


0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 mm

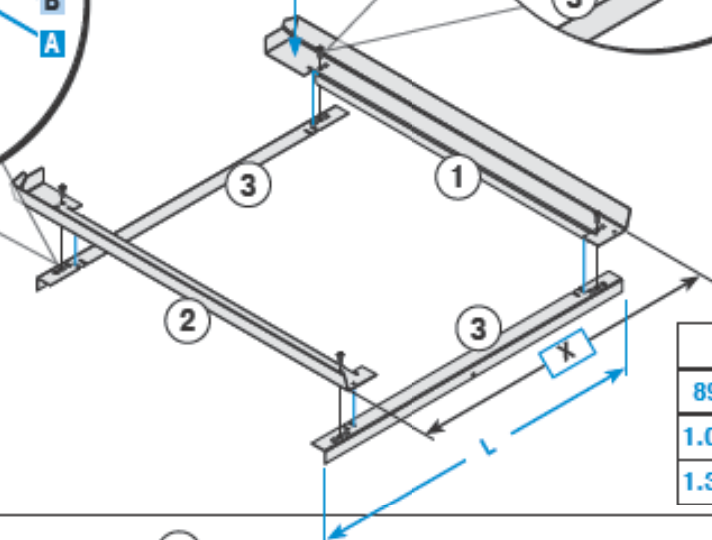
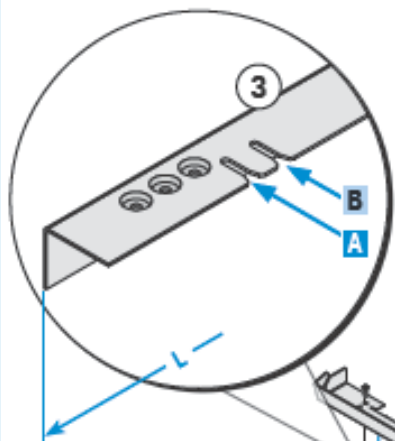
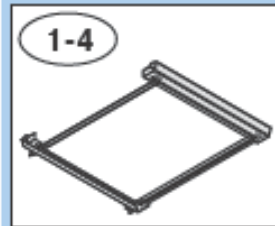
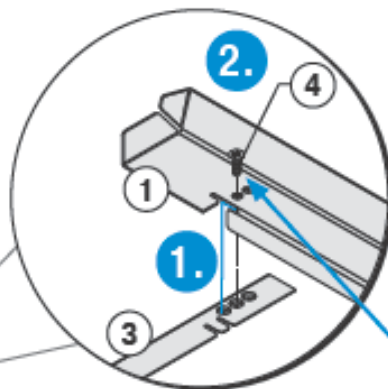
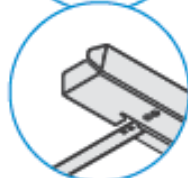
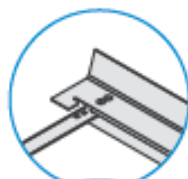
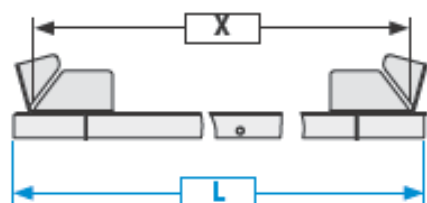




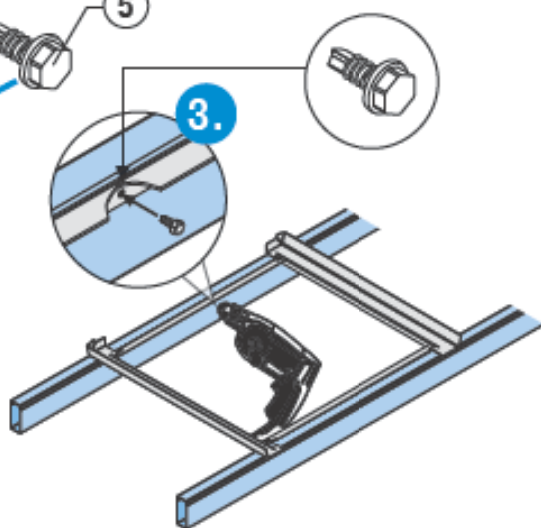
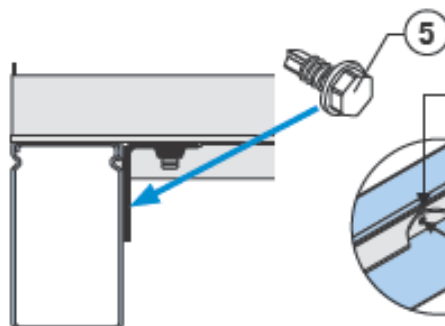
FB		2		A	B
		T= 800 mm	T= 1.100 mm		
1.350 mm	PT 95L	3x		~ 225	450 mm
1.800 mm	PT 95L	3x			675 mm
2.200 mm	PT 95L	4x			583 mm
2.700 mm	PT 95L	4x			750 mm
	PT 110L	4x			562 mm
	PT 120M	5x	-		750 mm
	PT 120M	-	4x		712 mm
3.300 mm	PT 150M	5x			787 mm
	PT 130M				
3.600 mm	PT 150M	5x			
	PT 170S				



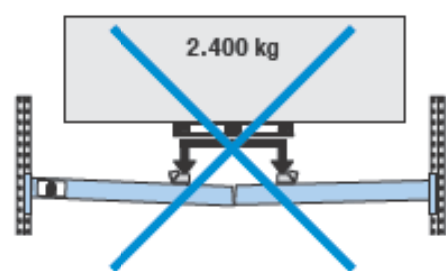
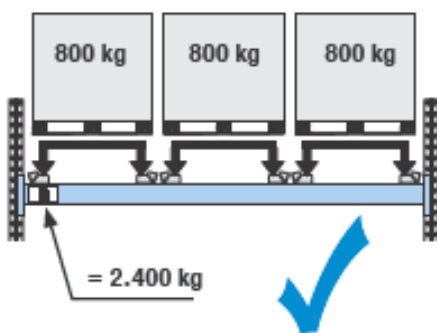
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 mm



L	A	A-B	B
	X=	X=	X=
890 mm	840 mm	822 mm	804 mm
1.090 mm	1.040 mm	1.022 mm	1.004 mm
1.340 mm	1.238 mm	1.220 mm	1.202 mm

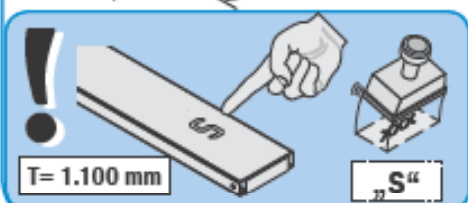
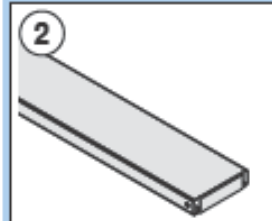
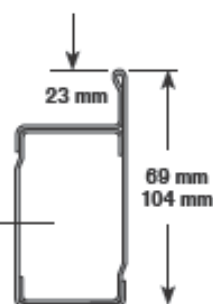
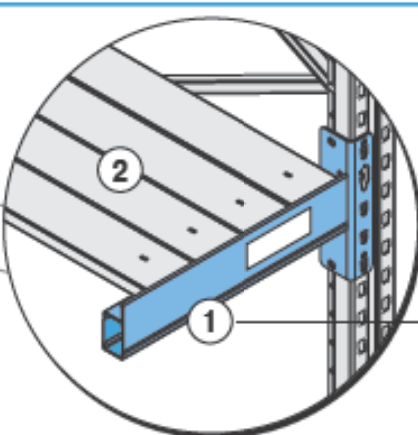
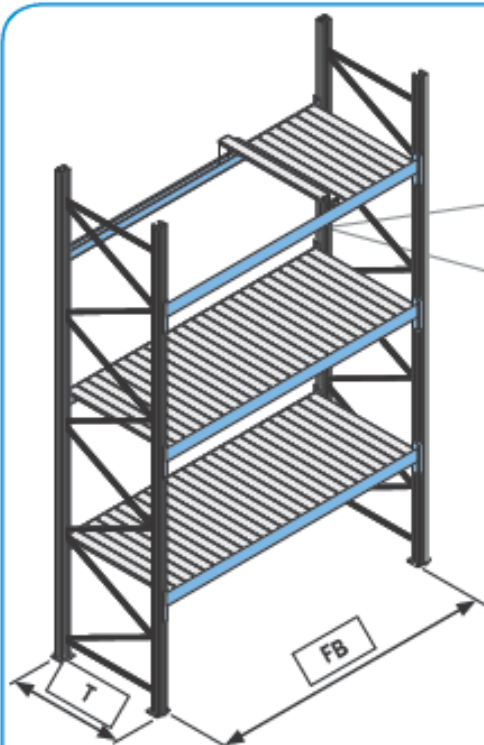


1				1x
2				1x
3				2x
4		MT5 x 16 mm DIN 7500-1	8.8	4x
5		Ø 6,3 x 19 mm DIN EN ISO 15481		1x

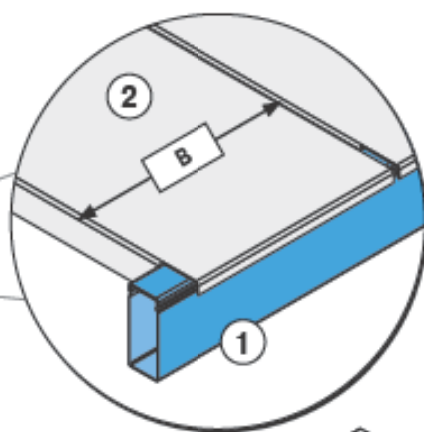
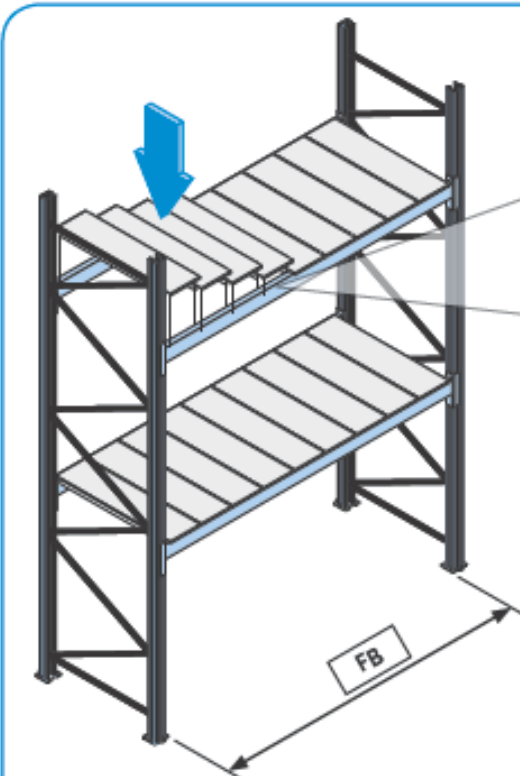
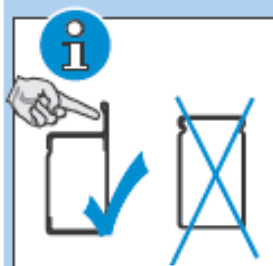


max. 1.000 kg

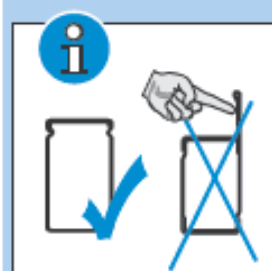
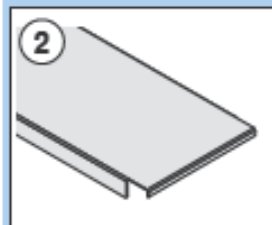




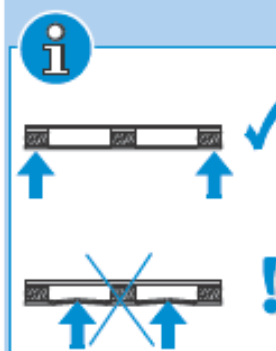
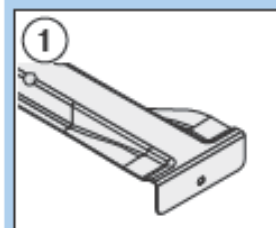
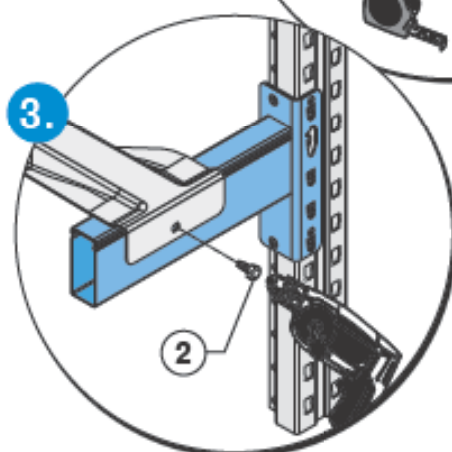
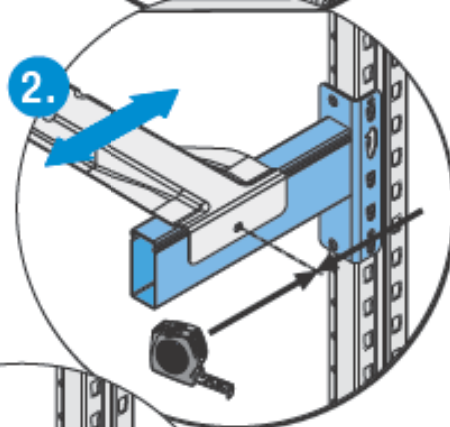
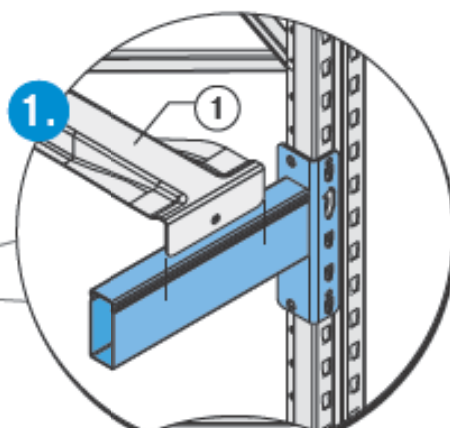
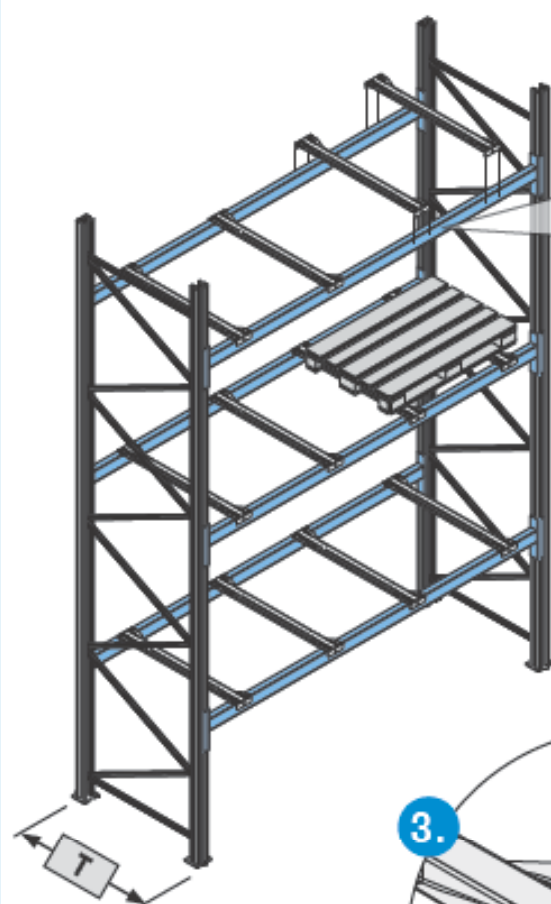
FB	T		99 mm	73 mm
1.350 mm	600 / 800 mm	-	12	2
	1.100 mm	S		
1.800 mm	600 / 800 mm	-	18	-
	1.100 mm	S		
2.200 mm	600 / 800 mm	-	22	-
	1.100 mm	S		
2.700 mm	600 / 800 mm	-	27	-
	1.100 mm	S		
3.300 mm	600 / 800 mm	-	33	-
	1.100 mm	S		
3.600 mm	600 / 800 mm	-	36	-
	1.100 mm	S		



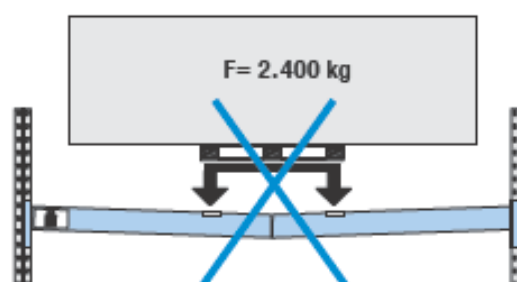
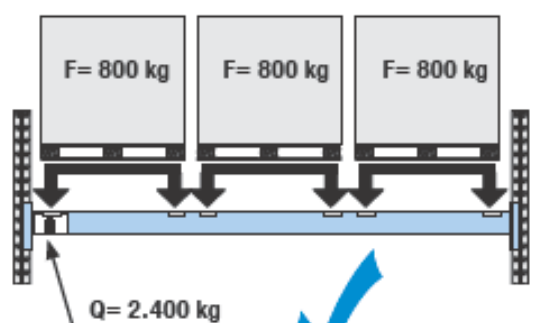
FB	B= 297 mm	B= 149,5 mm	B= 105 mm
1.350 mm	4	1	-
1.800 mm	6	-	-
2.200 mm	7	-	1
2.700 mm	9	-	-
3.300 mm	11	-	-
3.600 mm	12	-	-



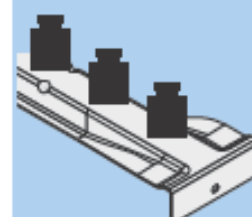
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 mm



1				1x
2		Ø6,3 x 19 mm DIN EN ISO 15481		1x

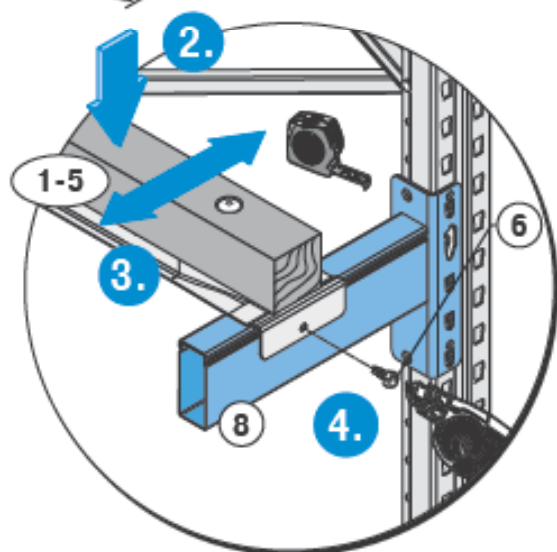
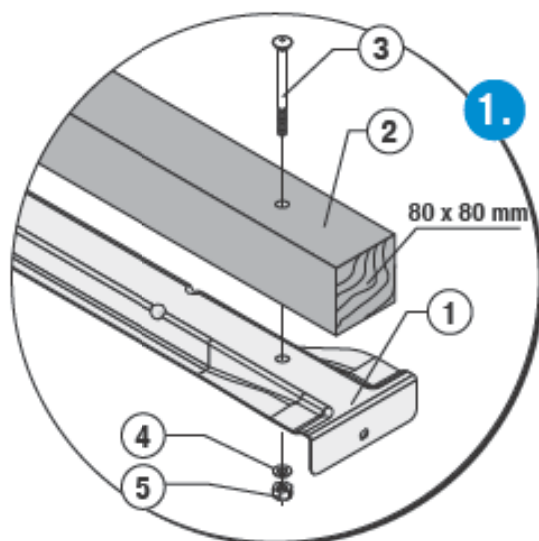
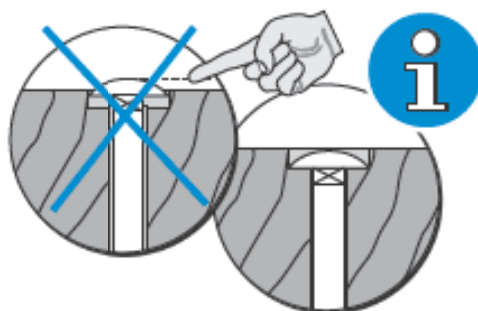
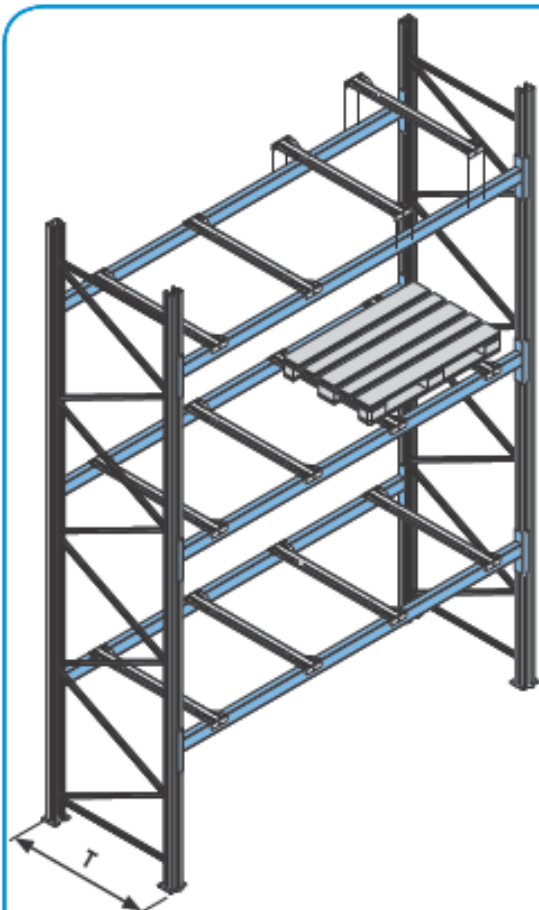


$$\Sigma F \leq Q$$

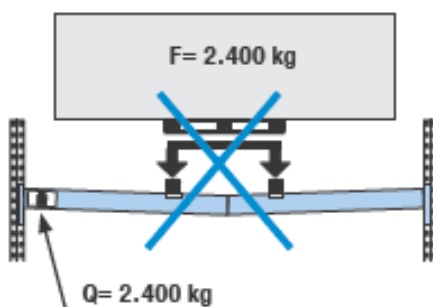
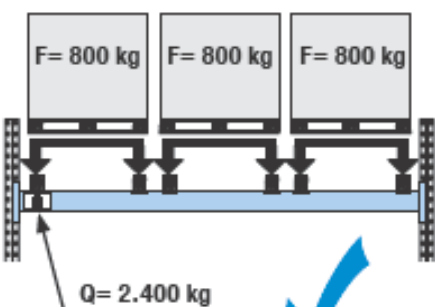
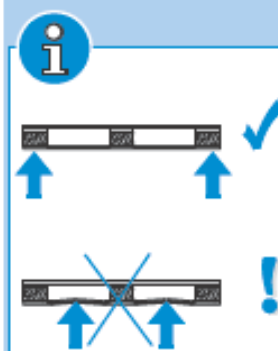
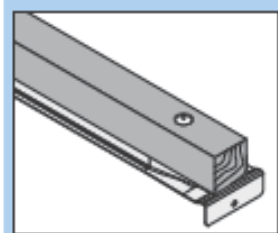


T	max.
800 mm	640 kg
1.100 mm	440 kg

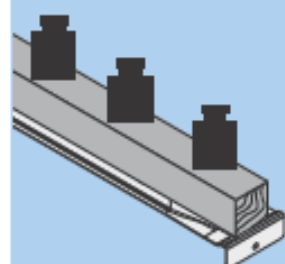




1				1x
2		80 x 80 mm		1x
3		M10 x 100 mm DIN 603	4.6	2x
4		Ø10,5 DIN EN ISO 7089		2x
5		M10 DIN EN ISO 4032	8	2x
6		Ø6,3 x 19 mm DIN EN ISO 15481		1x



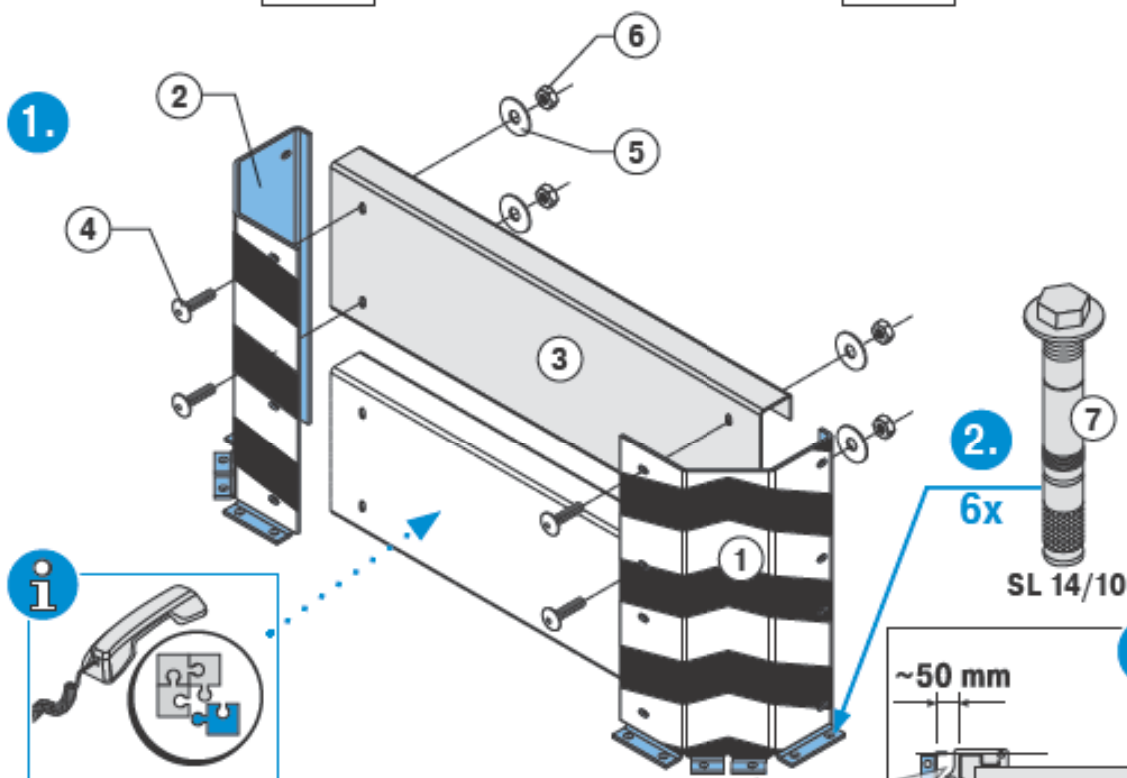
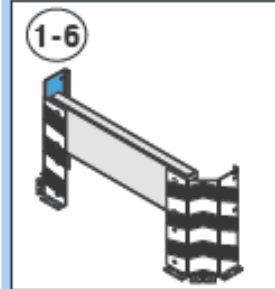
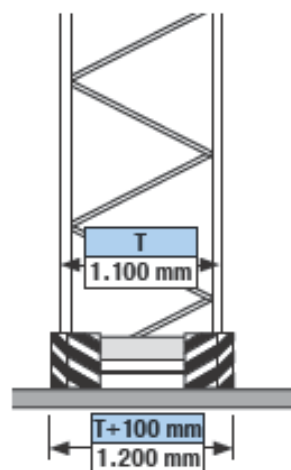
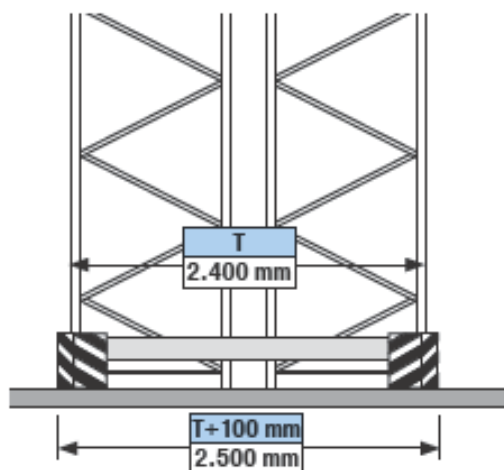
$$\Sigma F \leq Q$$



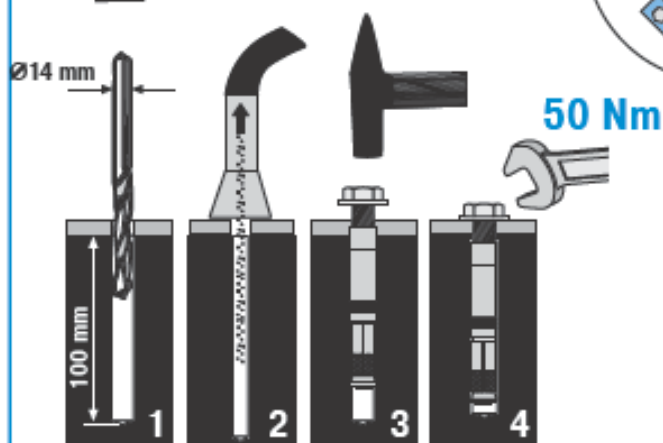
T	
800 mm	1.250 kg
1.100 mm	1.250 kg



0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 mm

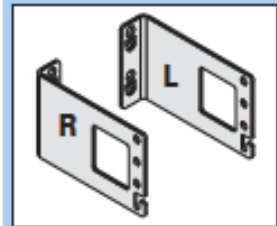
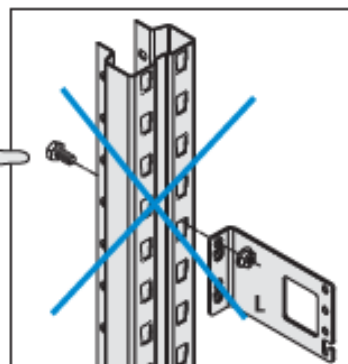
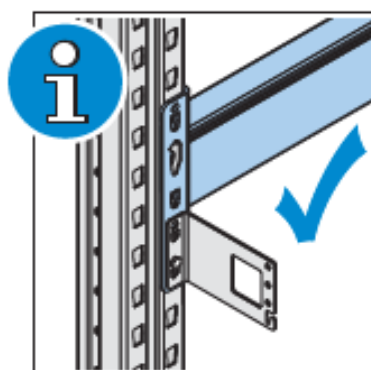
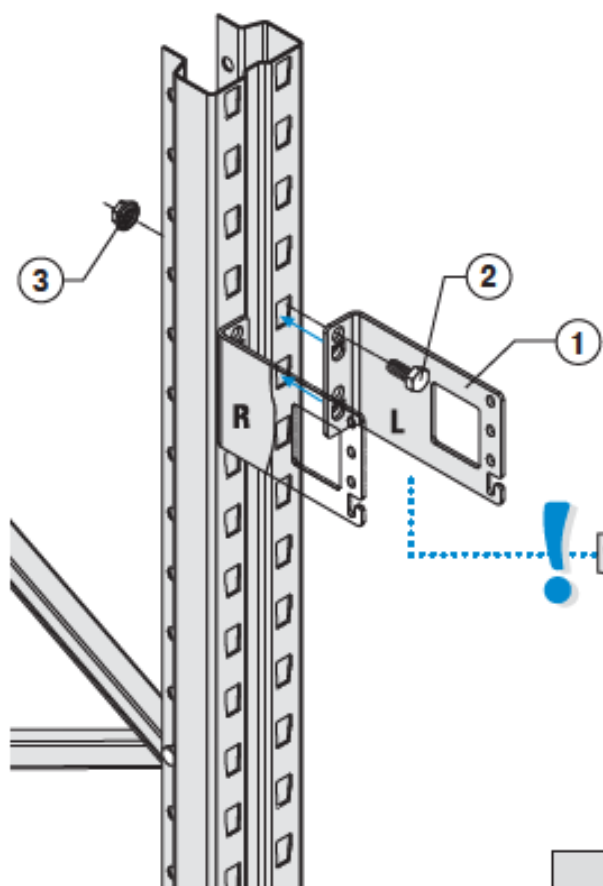





2.

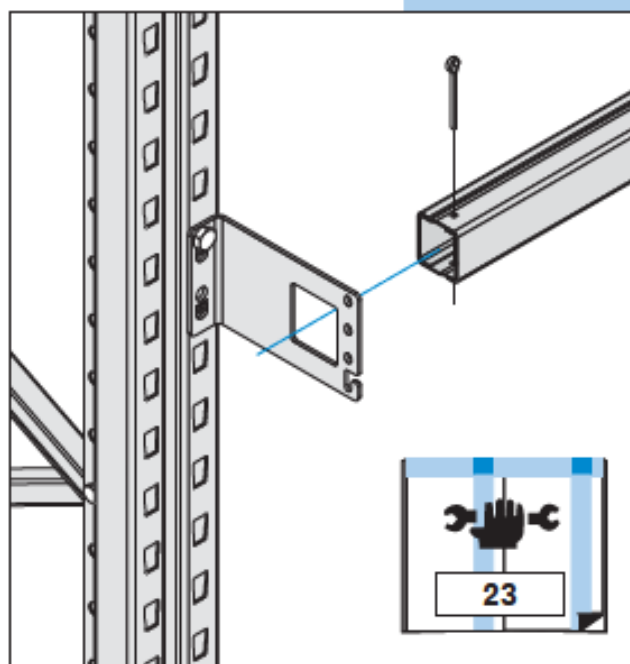
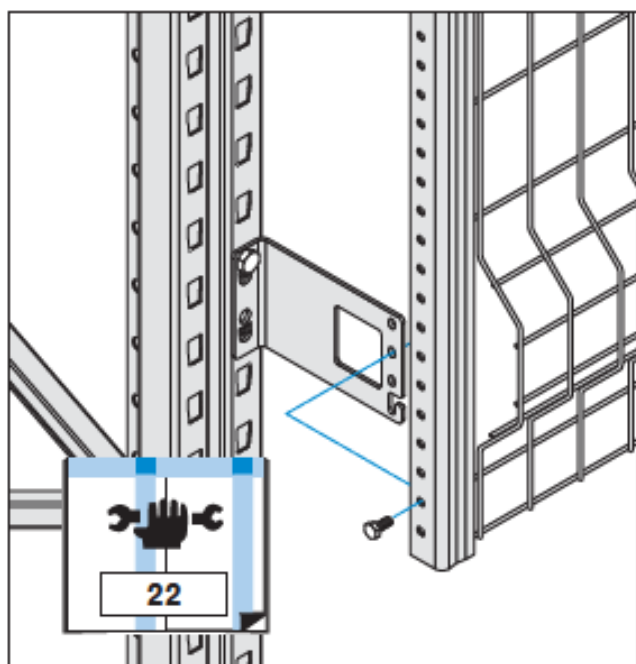


1				1x
2				1x
3				1x (2x)
4		M10 x 20 mm DIN 603	8.8	4x (8x)
5		Ø10,5 DIN EN ISO 7093-1		4x (8x)
6		M10 DIN EN ISO 4014	8	4x (8x)
7		SL 14/10		12x

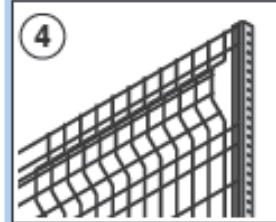
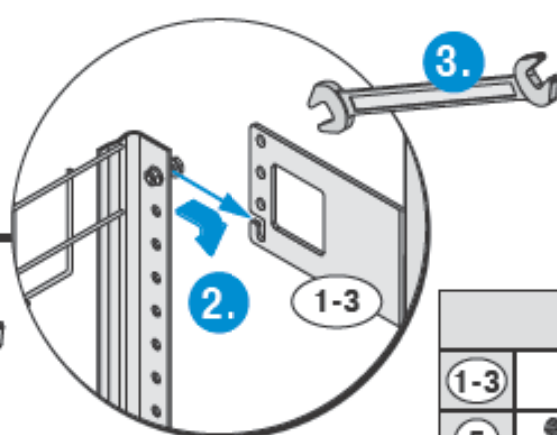
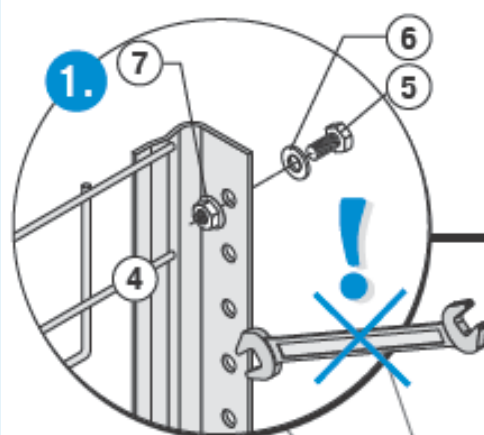




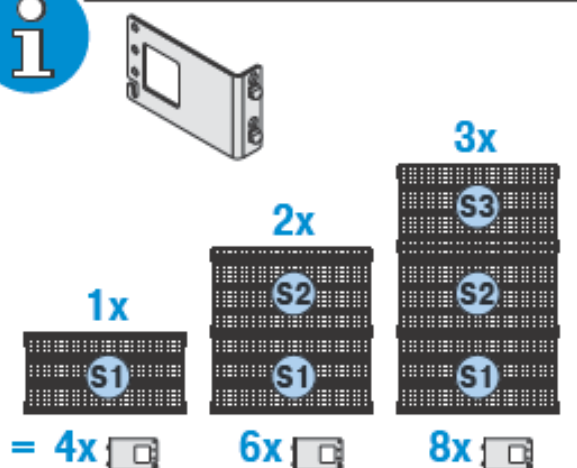
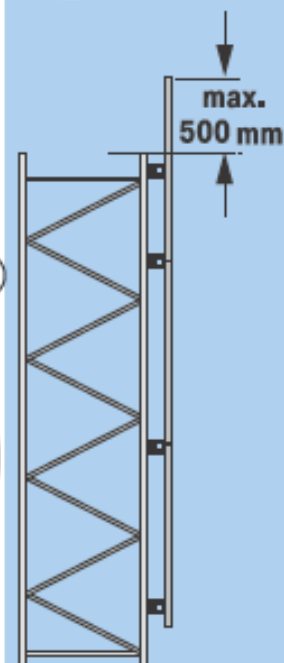
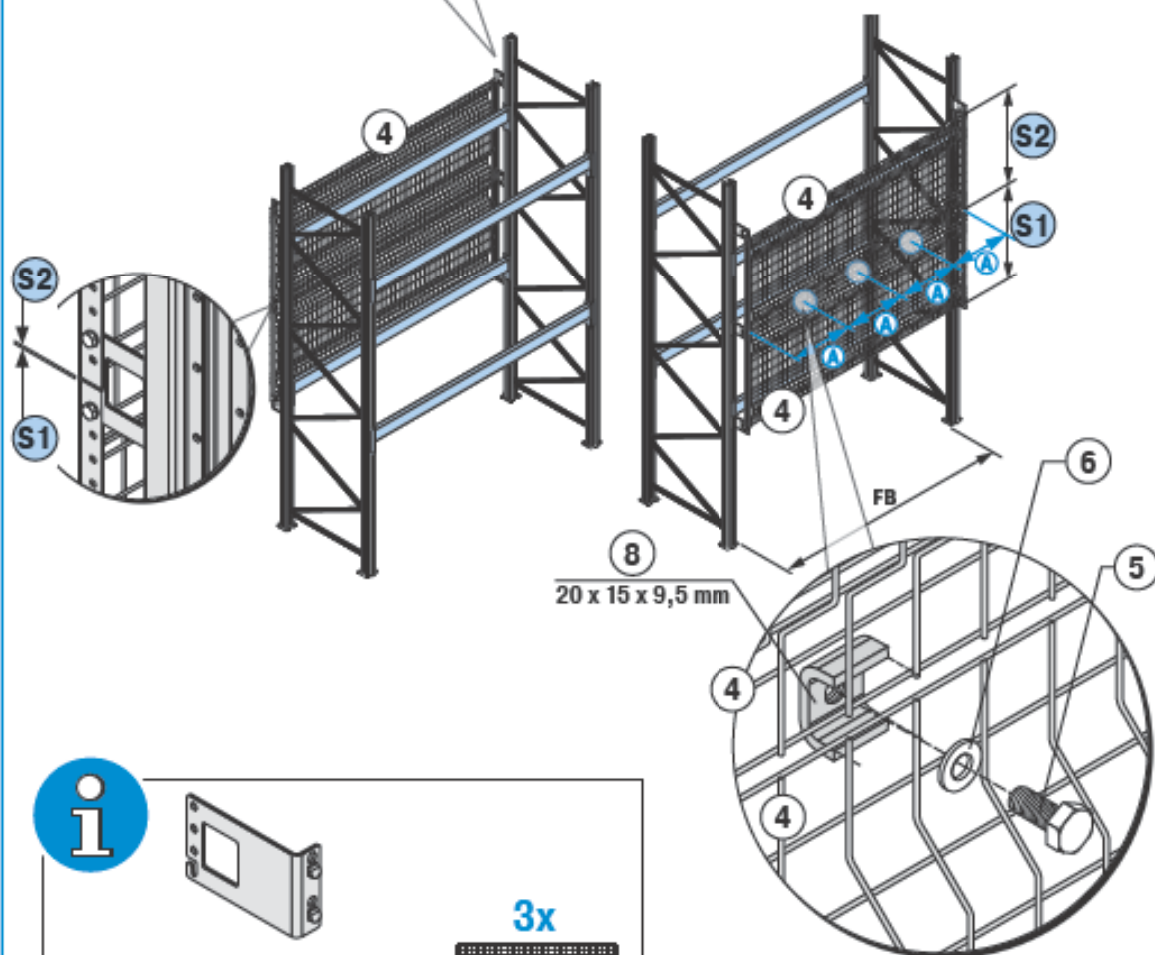
				
1				1x
2		M10 x 20 mm DIN EN ISO 4017	8.8	1x
3		M10	8	1x



0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 mm

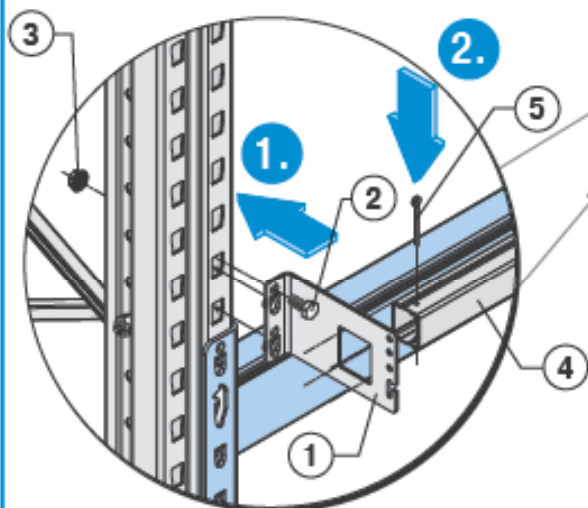
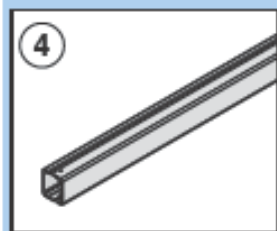
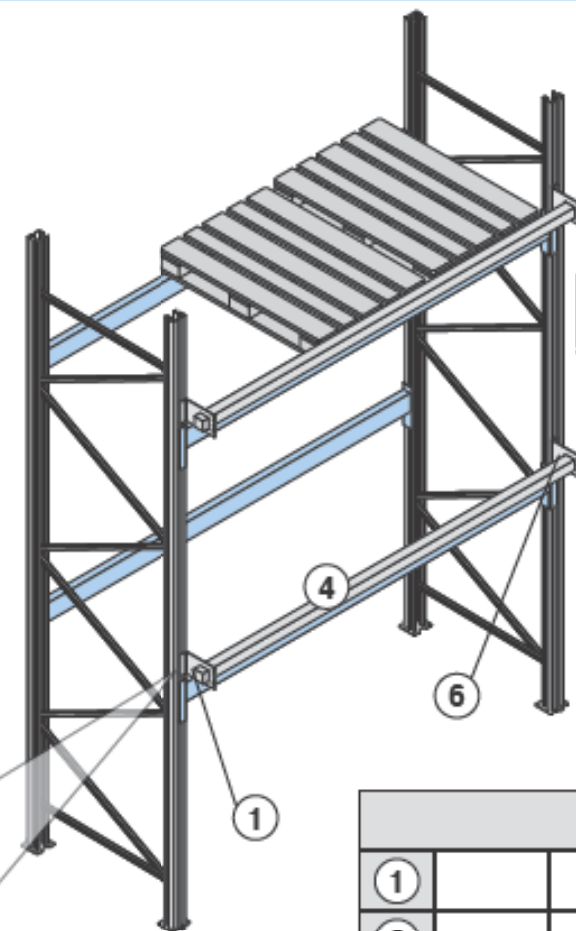
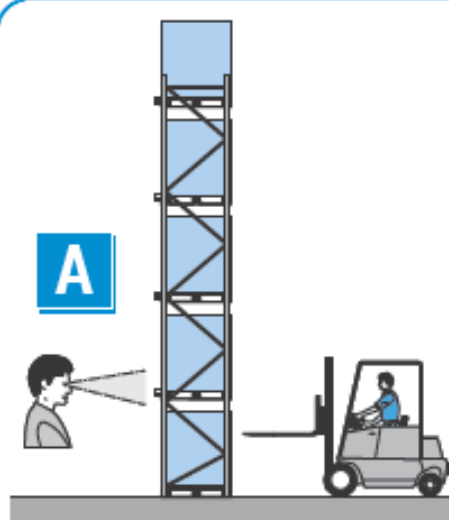


1-3				1x
5		M6 x 16 mm DIN EN ISO 4017 8.8		1x
6		Ø6,4 mm DIN EN ISO 7089		2x
7		M6	8	1x

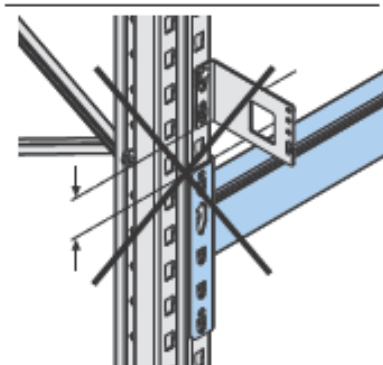
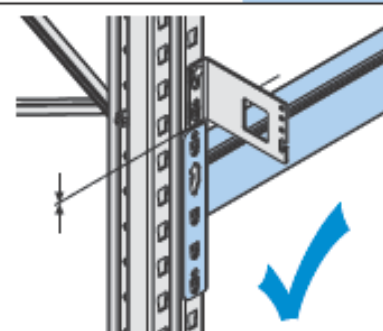
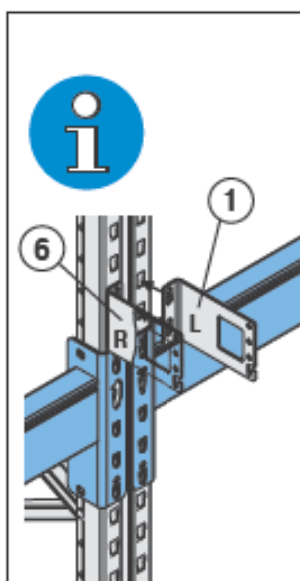
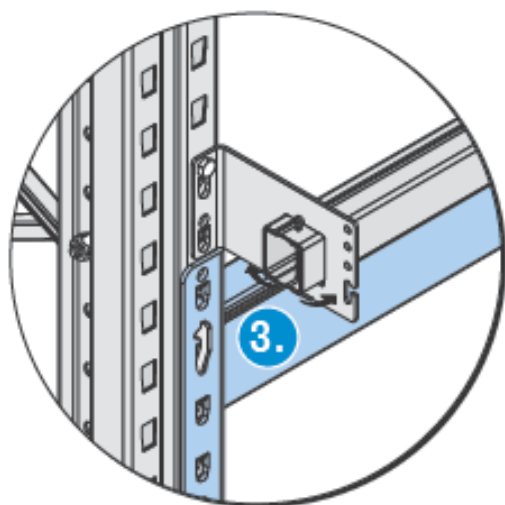


FB	8	A
1.350 mm	2x	3x (450 mm)
1.800 mm	2x	3x (600 mm)
2.200 mm	3x	4x (550 mm)
2.700 mm	3x	4x (675 mm)
3.300 mm	4x	5x (550 mm)
3.600 mm	5x	6x (600 mm)



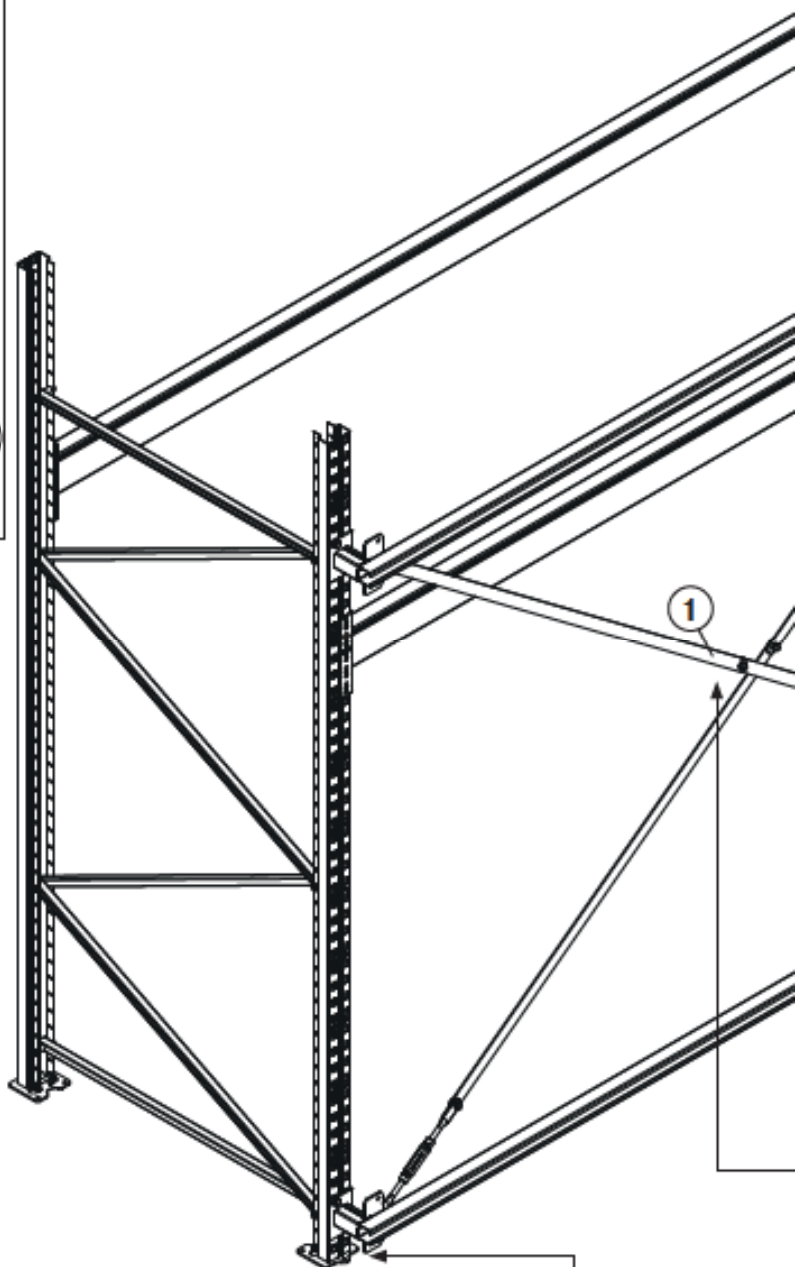
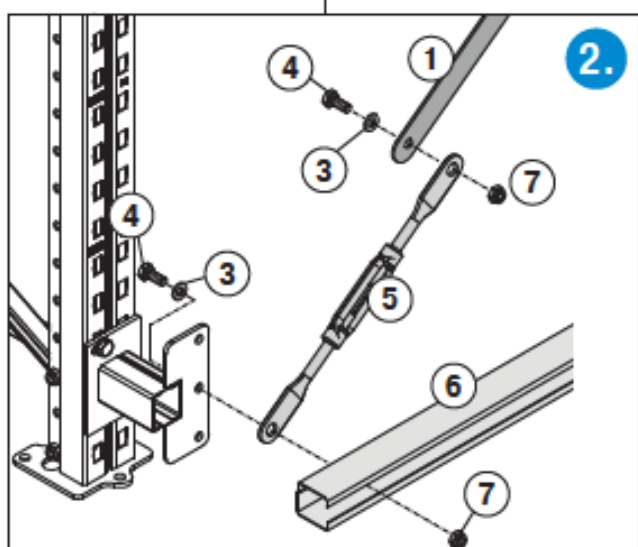
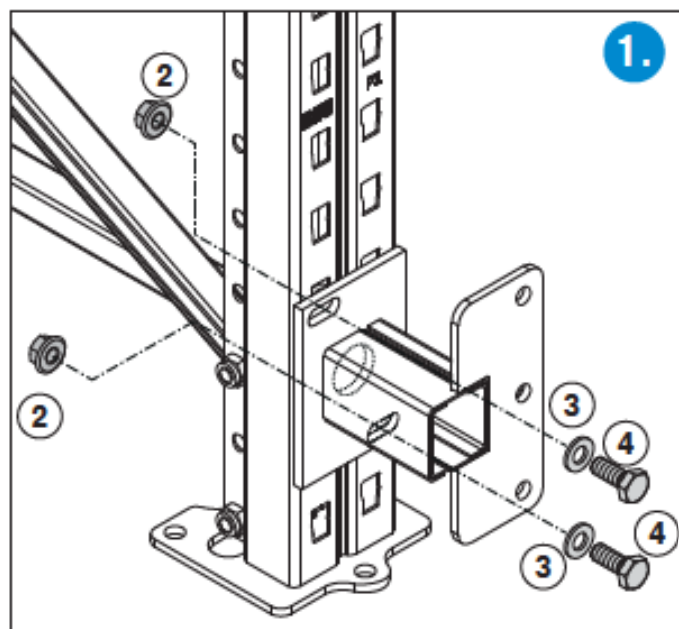


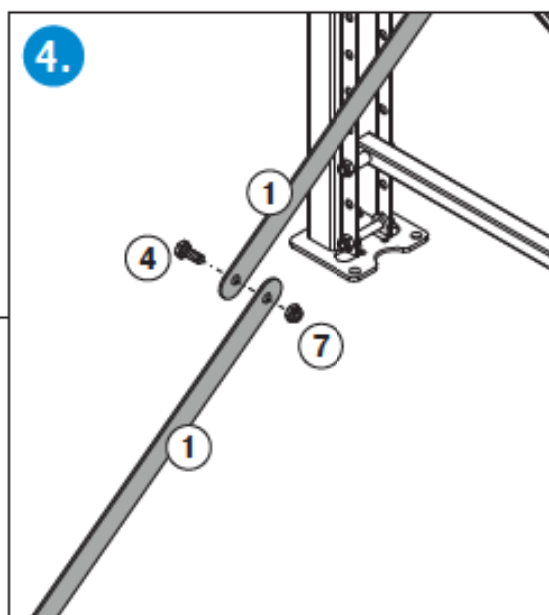
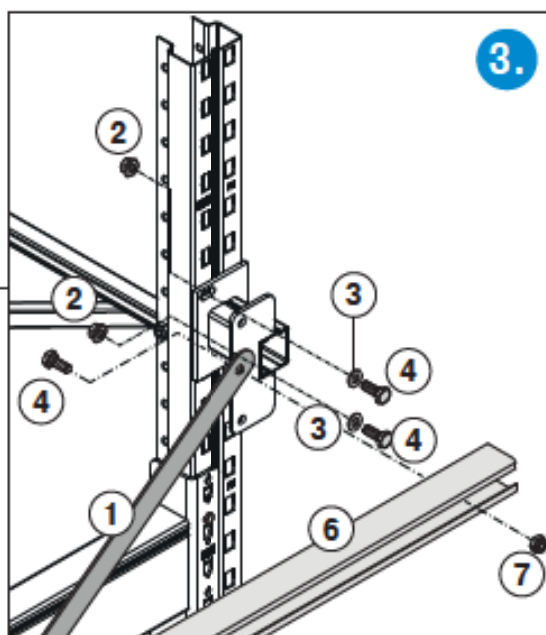
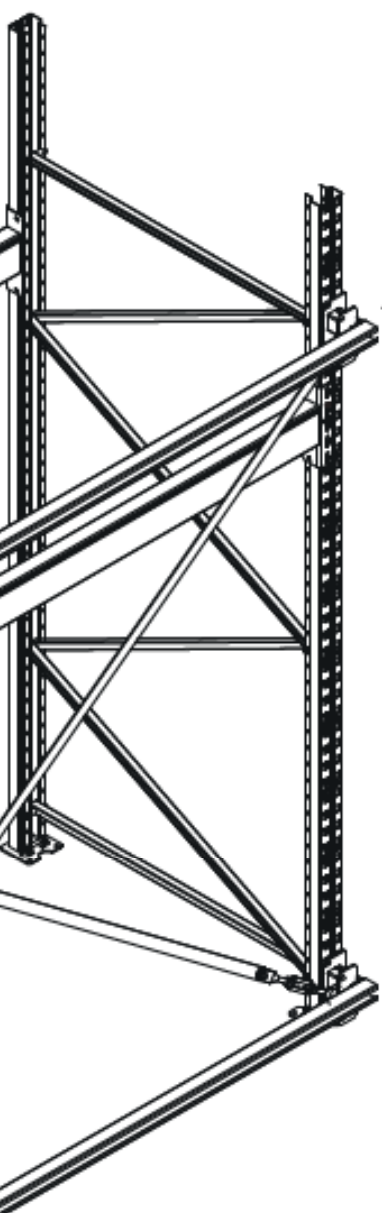
1				1x
6				1x
2		M10 x 20 mm DIN EN ISO 4017	8.8	2x
3		M10	8	2x
4		46 x 46 mm		1x
5		Ø4,0 x 71 mm		2x



0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 mm

PRO-B1





1 2x

2 8x



M10

Tensilock

3 14x



M10 x 30

DIN EN ISO 7089 (DIN 125)

4 16x



M10 x 25

DIN EN ISO 4017 (DIN 933)

5 2x

6 2x

7 8x



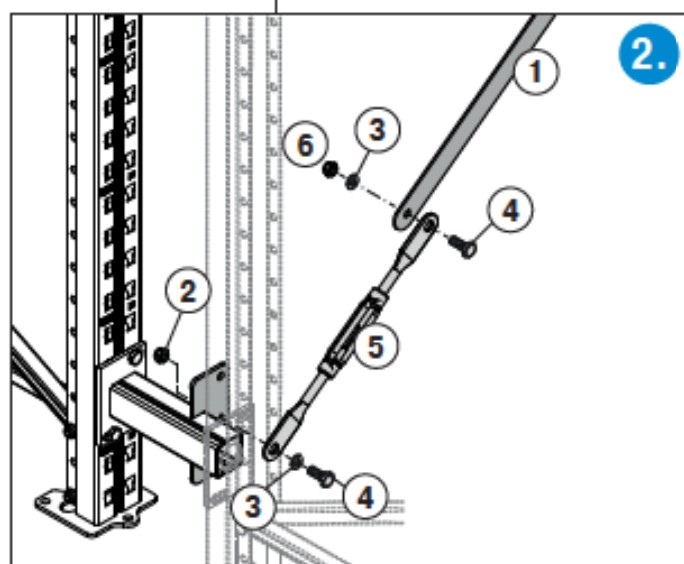
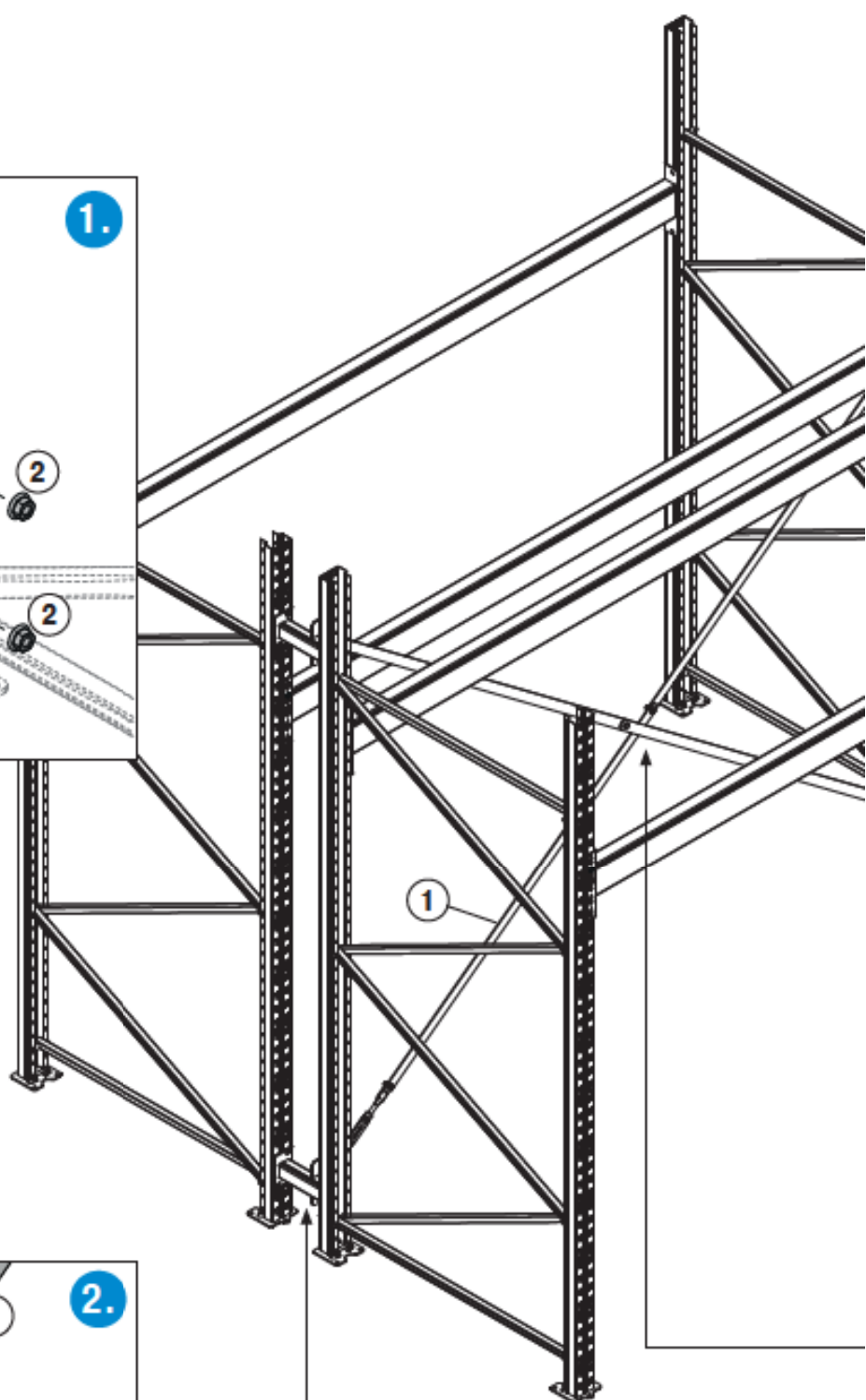
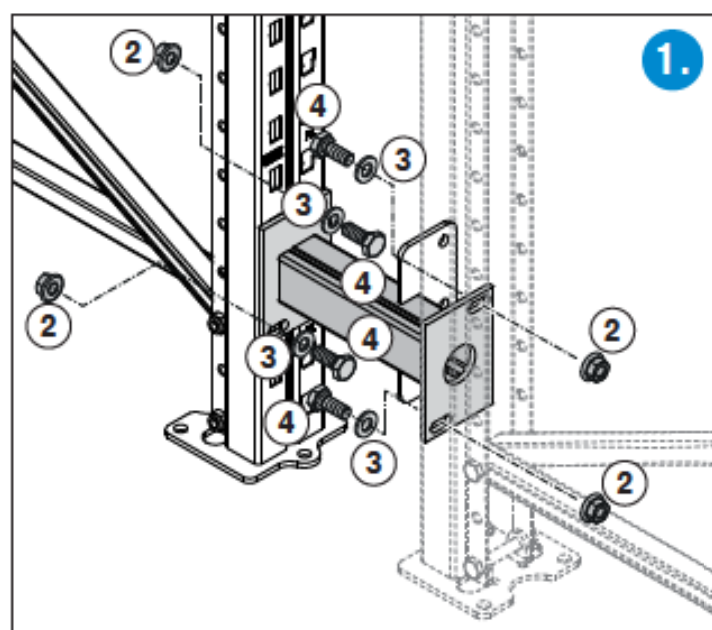
M10

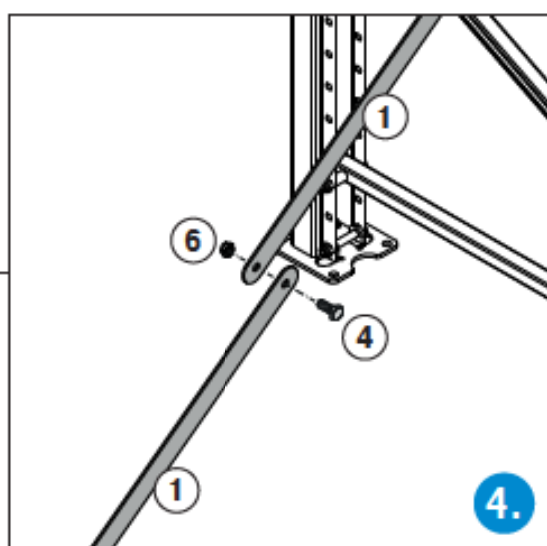
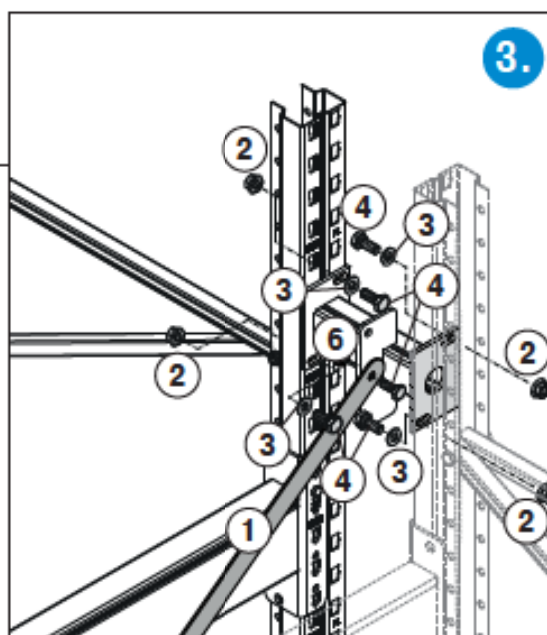
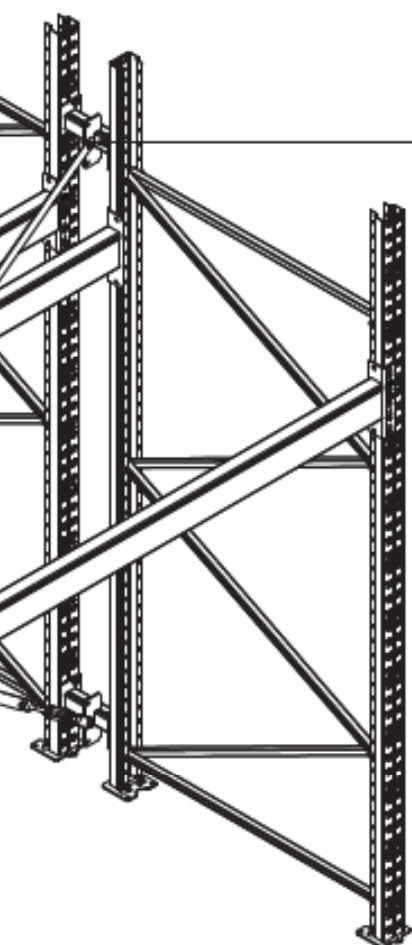
DIN EN ISO 10511 (DIN 985)



0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 mm

PRO-B2





1 2x

2 8x



M10
Tensilock

3 14x



M10 x 30
DIN EN ISO 7089 (DIN 125)

4 16x



M10 x 25
DIN EN ISO 4017 (DIN 933)

5 2x

6 8x



M10
DIN EN ISO 10511 (DIN 985)



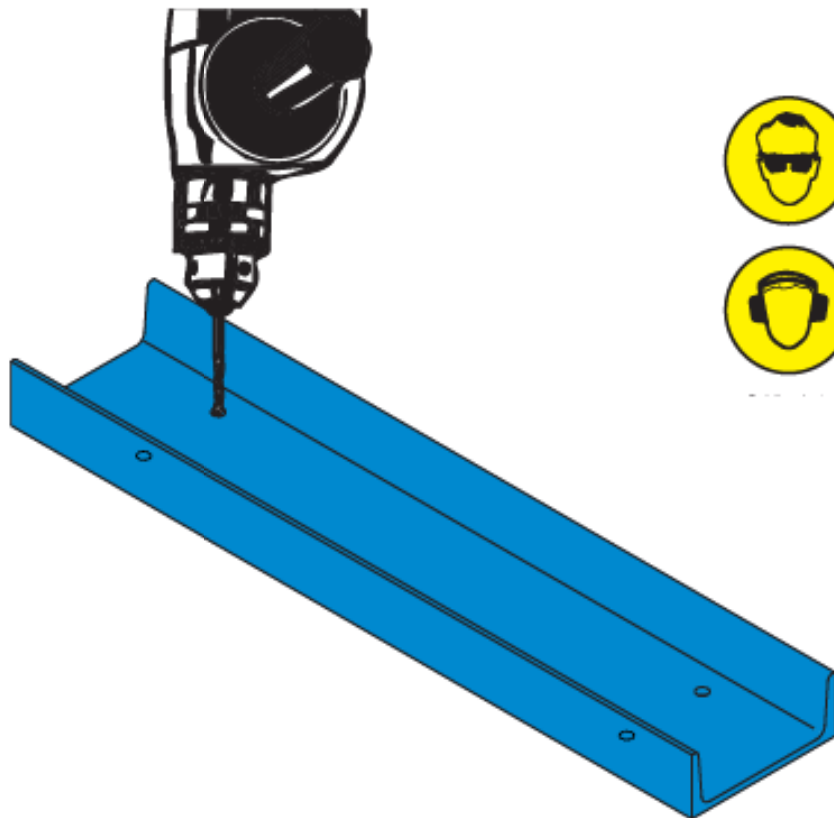
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 mm

PRO-LV



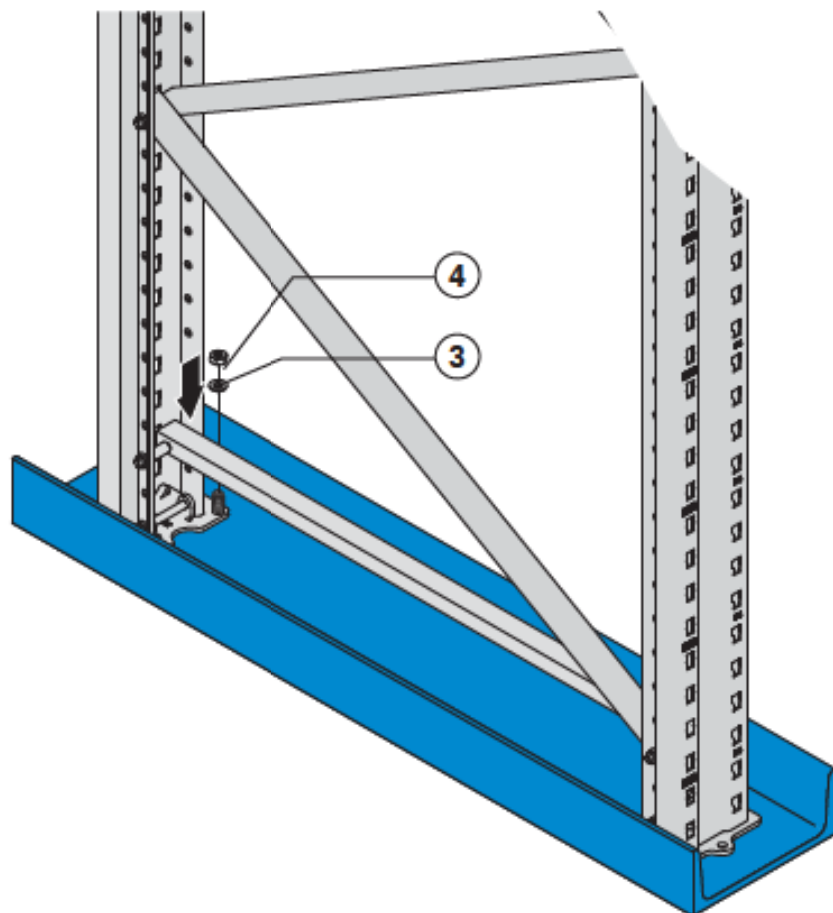
1.

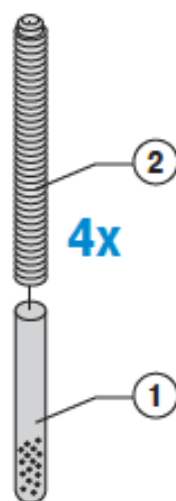
A-D



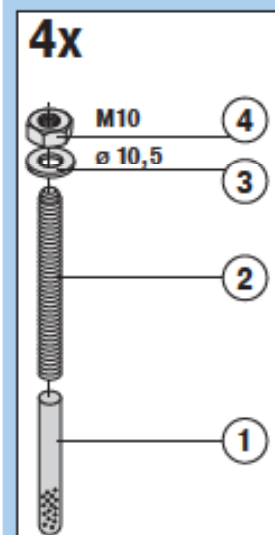
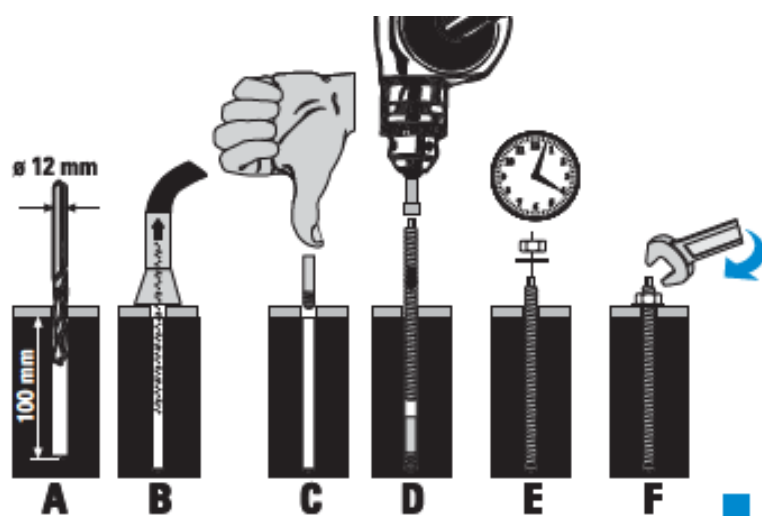
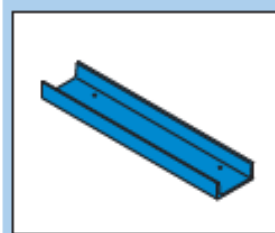
2.

E-F





P1 - P3	U180
P4 - P6	U200

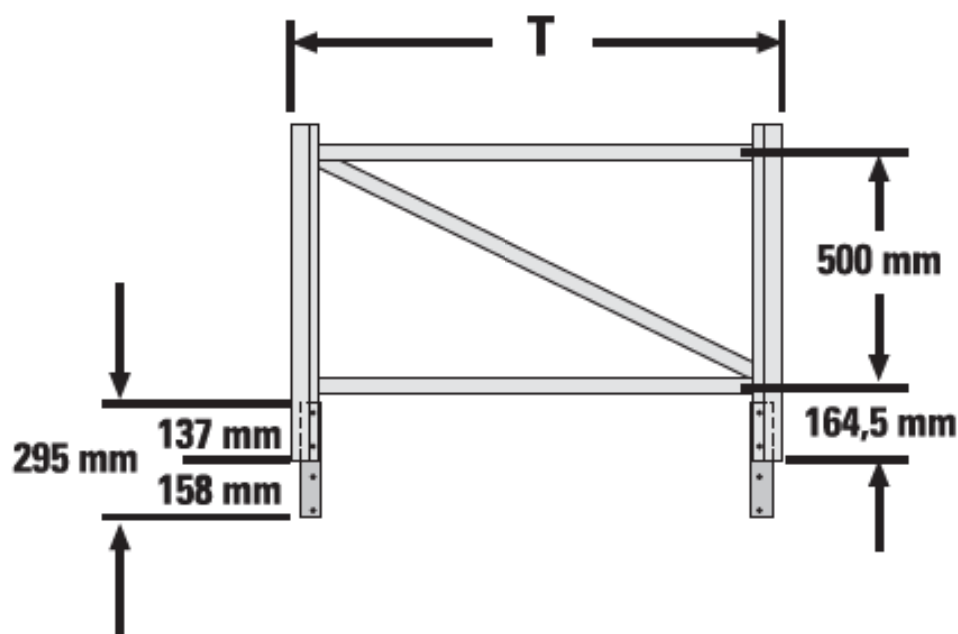
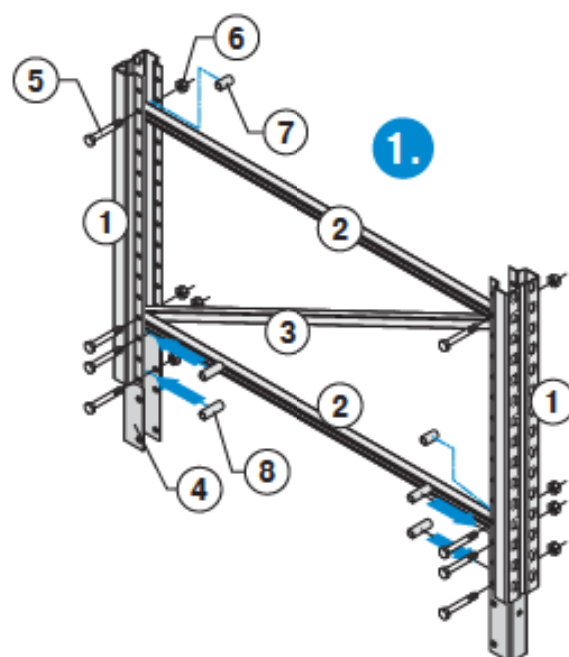


	°C	
> 20		20 min.
+10 → +20		30 min.
0 → +10		1 h
-5 → 0		5 h



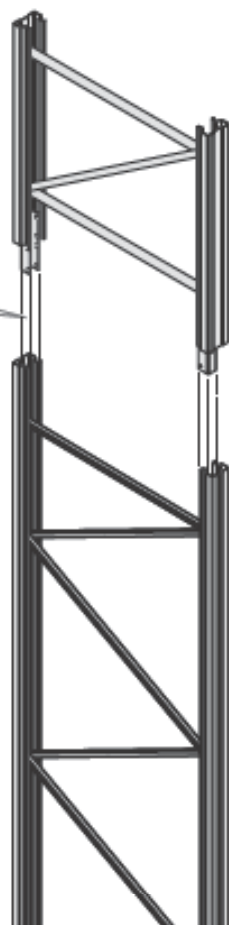
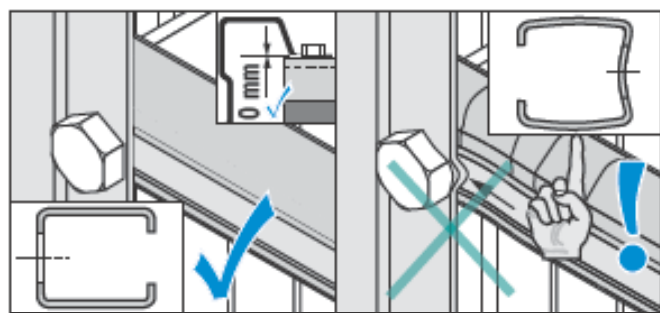
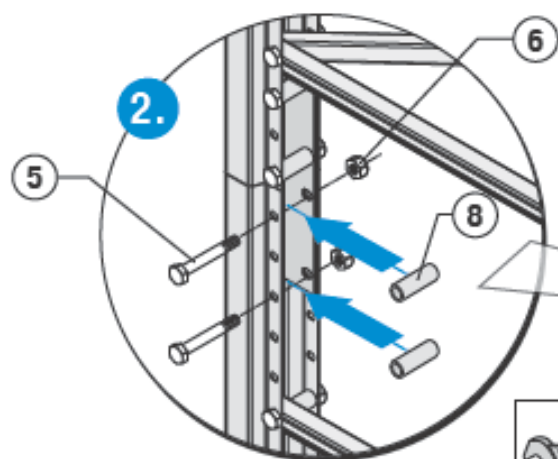
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 mm

PRO-SHS



	T	2	3
P1-P3	800 mm	730 mm	892 mm
	1.100 mm	1.030 mm	1.149 mm
P4	800 mm	720 mm	884 mm
	1.100 mm	1.020 mm	1.140 mm



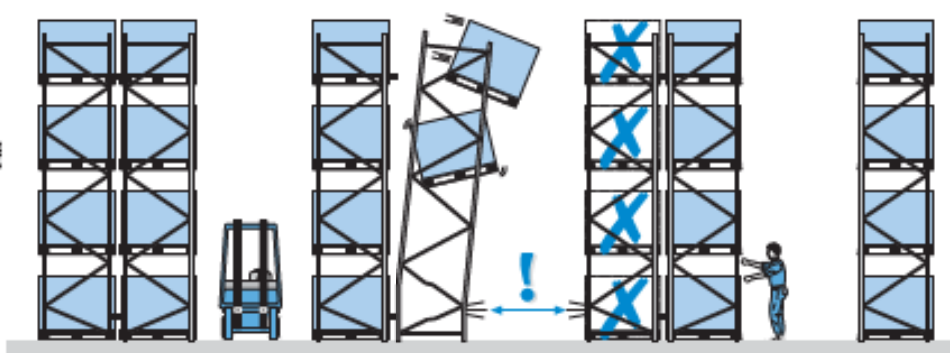
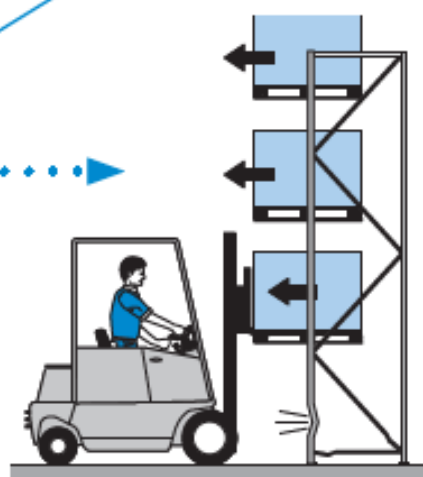
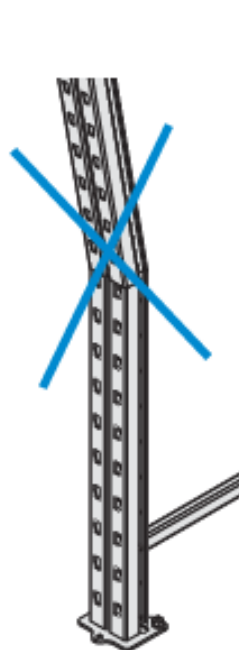
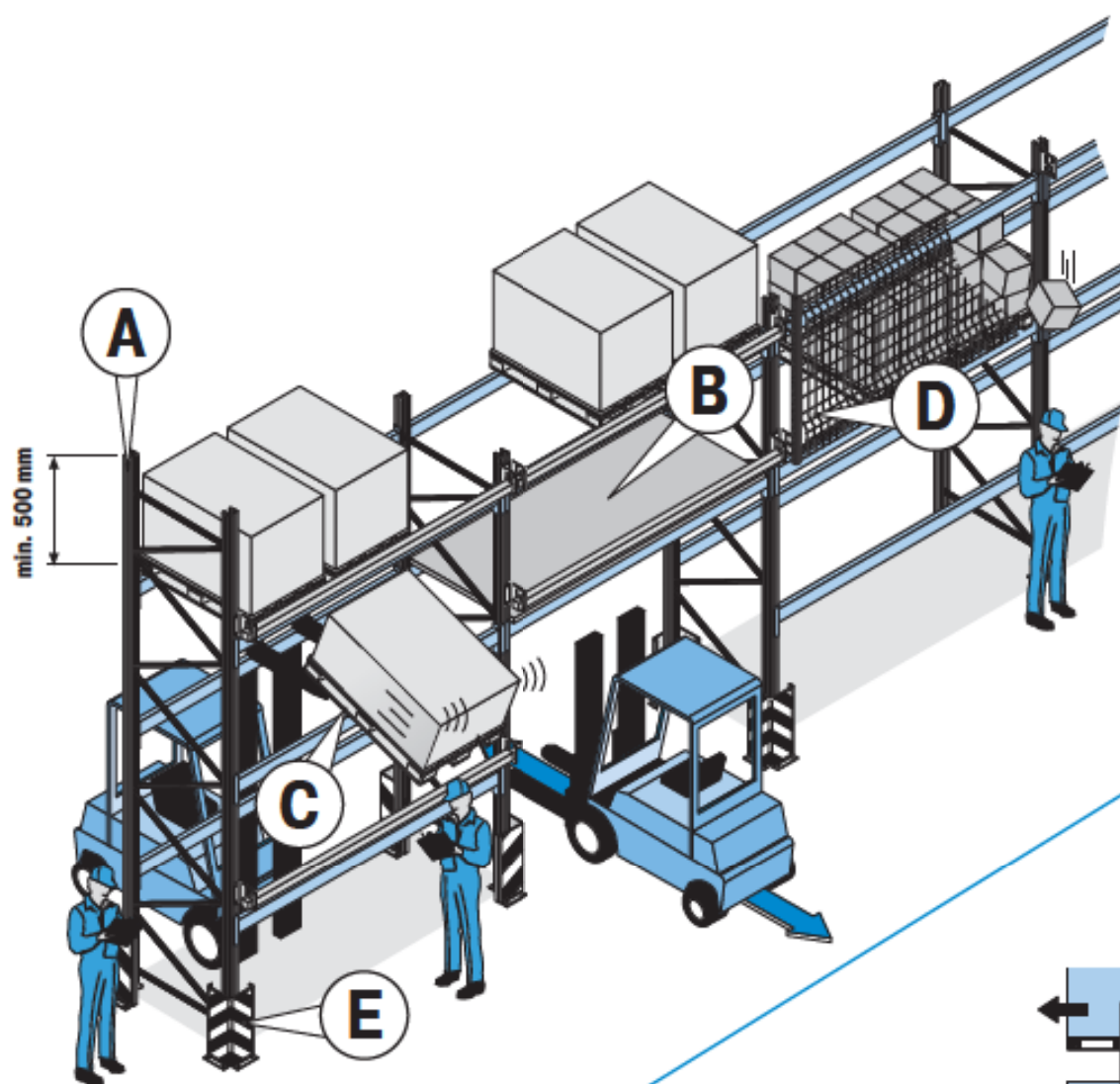


P1 - P4

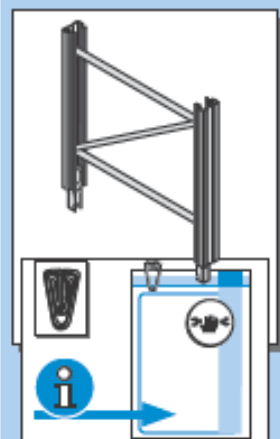
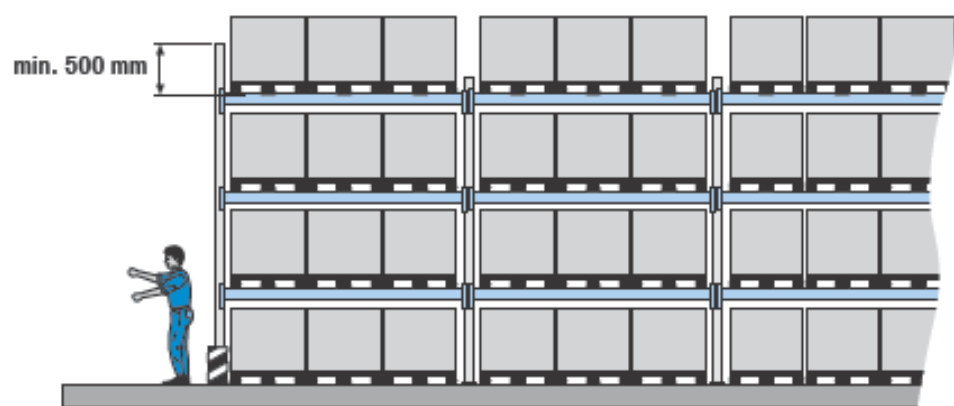
1	2	3	4	5	6	7	8
2x	2x	1x	2x	12x	12x	2x	8x
P1 - P3	25 x 21 mm	25 x 21 mm	59 x 51 L = 295 mm	M10 x 67 mm	M10	ø14 x 1,5 L = 25 mm	ø14 x 1,5 L = 41,5 mm
P4	35 x 25 mm	35 x 25 mm	59 x 71 L = 295 mm	M10 x 90 mm	M10	ø14 x 1,5 L = 34 mm	ø14 x 1,5 L = 61,5 mm



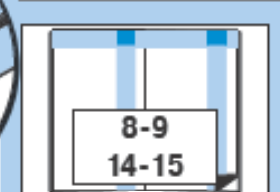
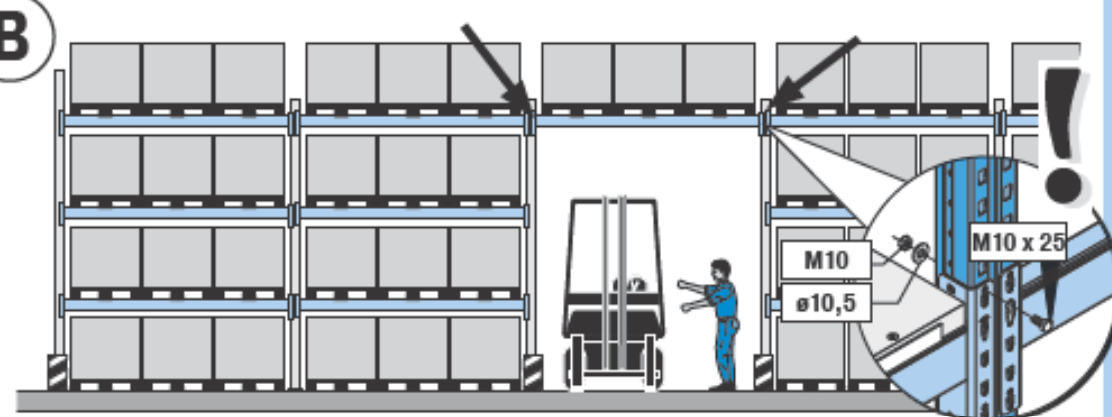
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 mm



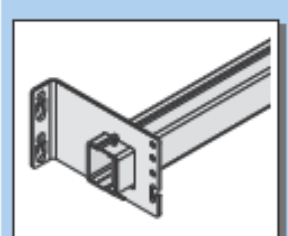
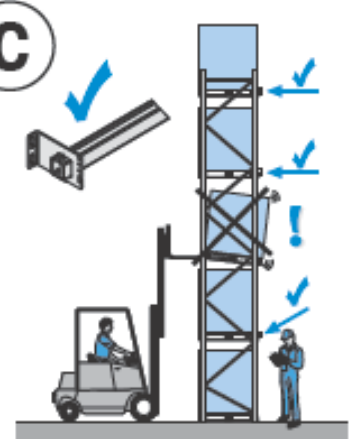
A



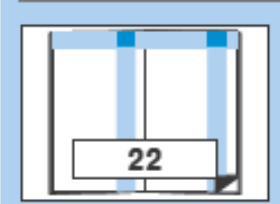
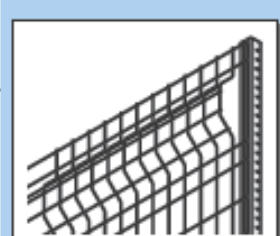
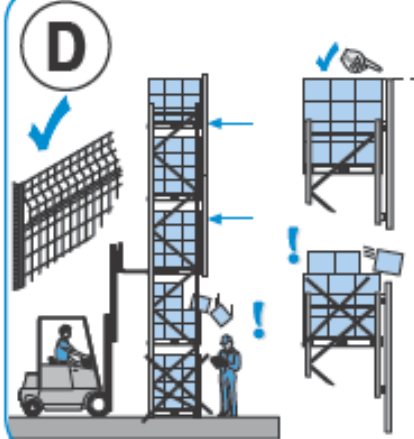
B



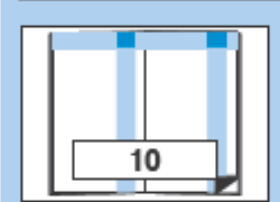
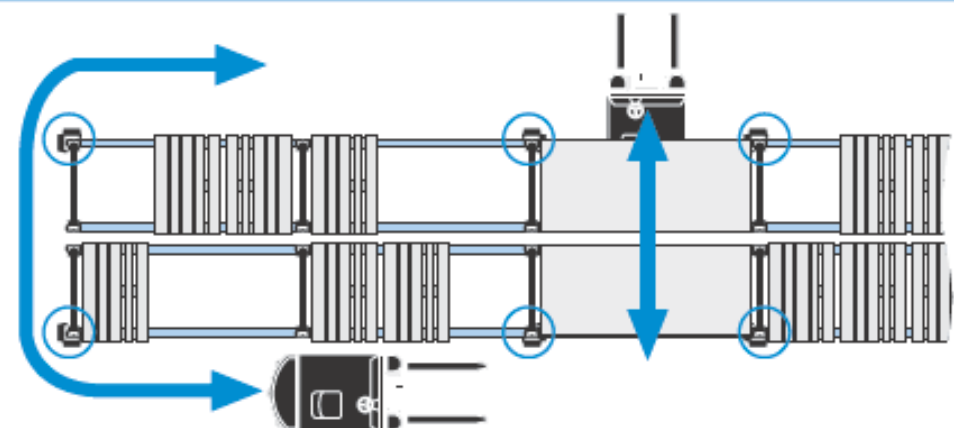
C

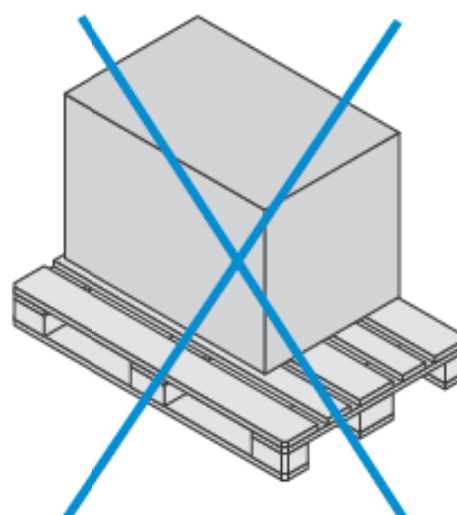
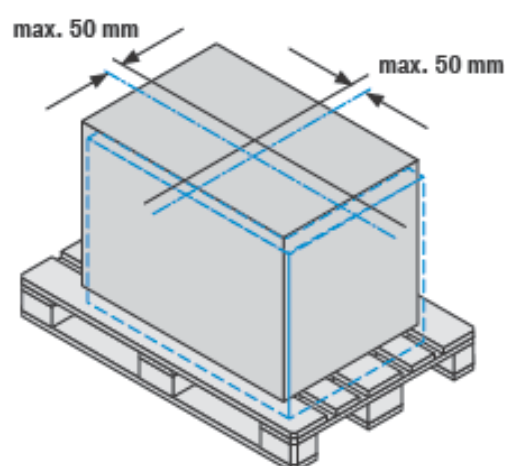
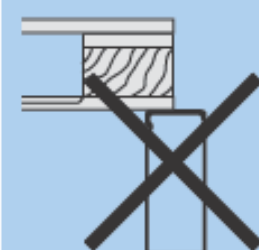
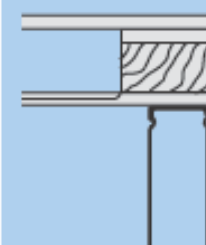
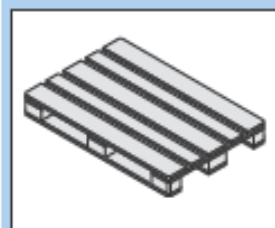
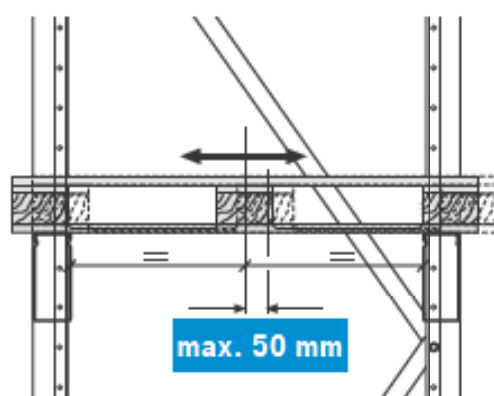
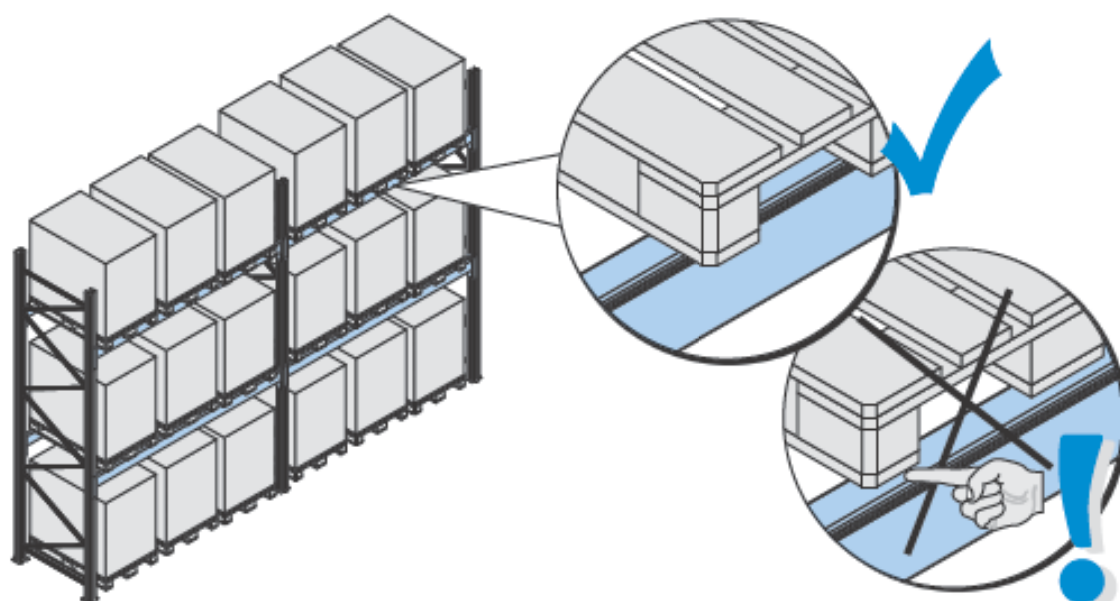


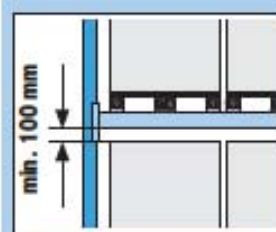
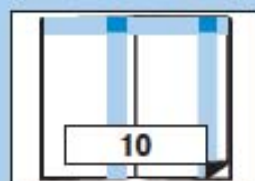
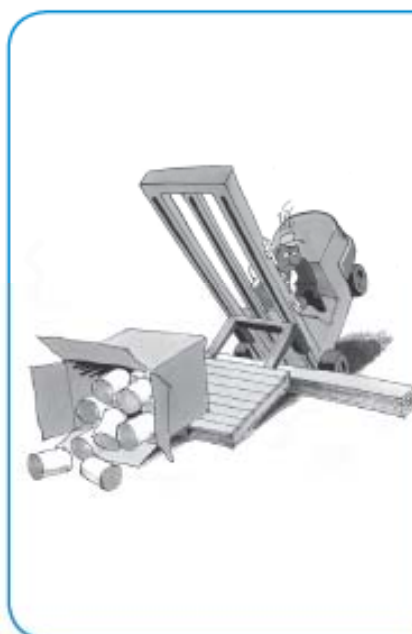
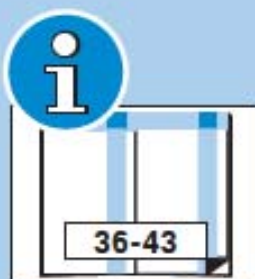
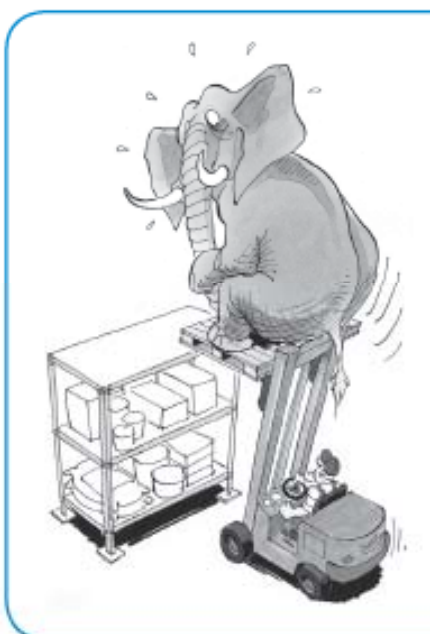
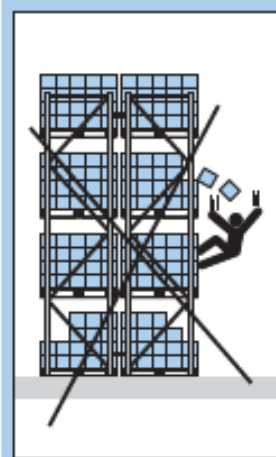
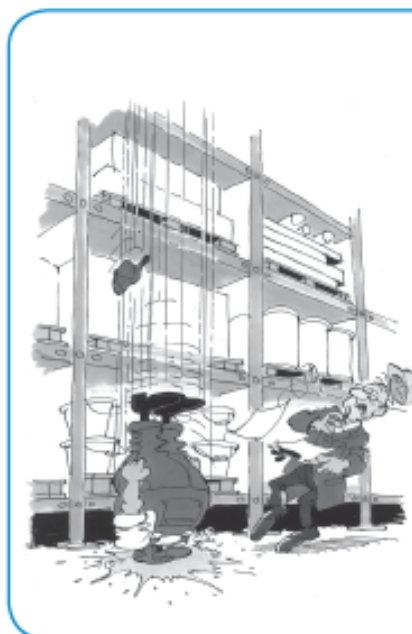
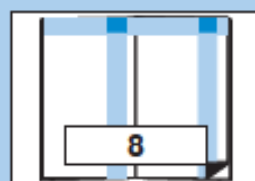
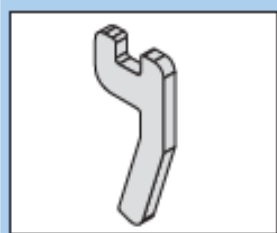
D

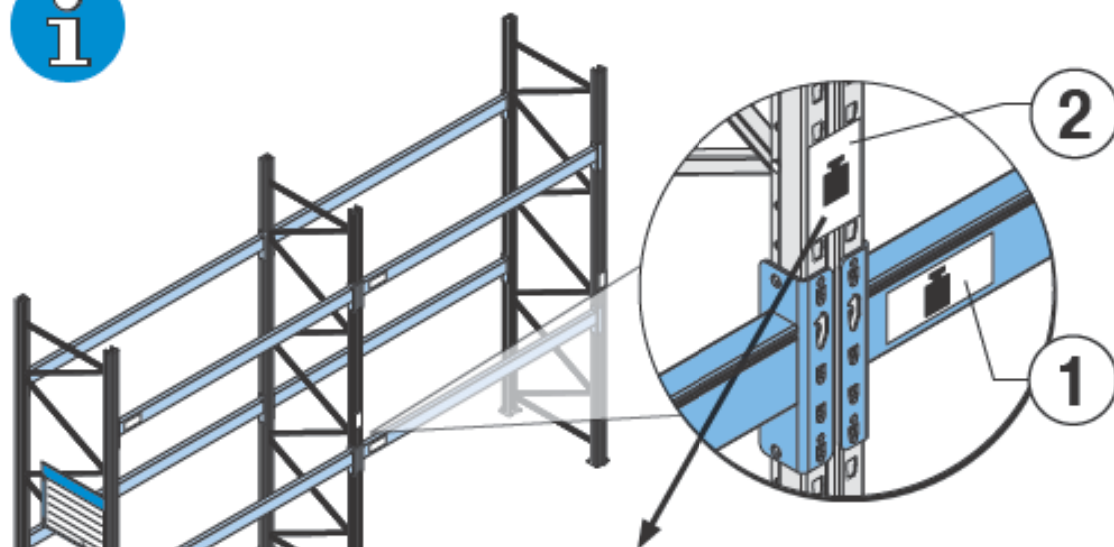


E

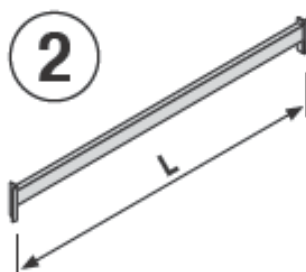






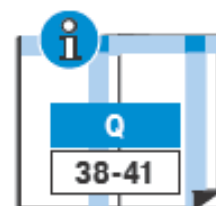


BITO		P3
DIN EN ISO 9001		
FA	Qmax.*	
1.000 mm	12.200 kg	
1.250 mm	11.840 kg	
1.500 mm	10.280 kg	
1.750 mm	8.880 kg	
2.000 mm	7.520 kg	
2.500 mm	5.400 kg	
mm	kg	

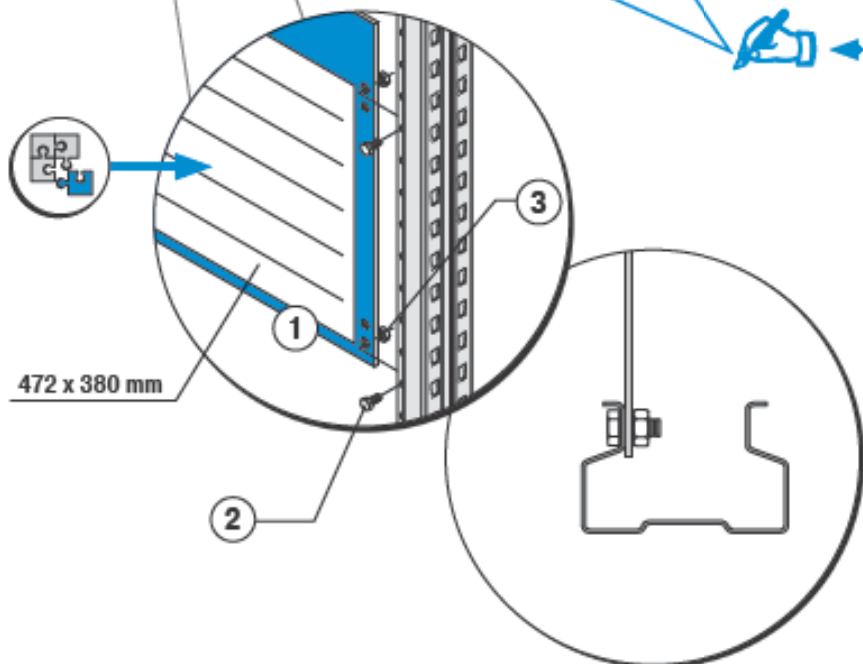
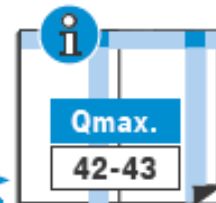


= PT 95L
L = 3.600 mm

1

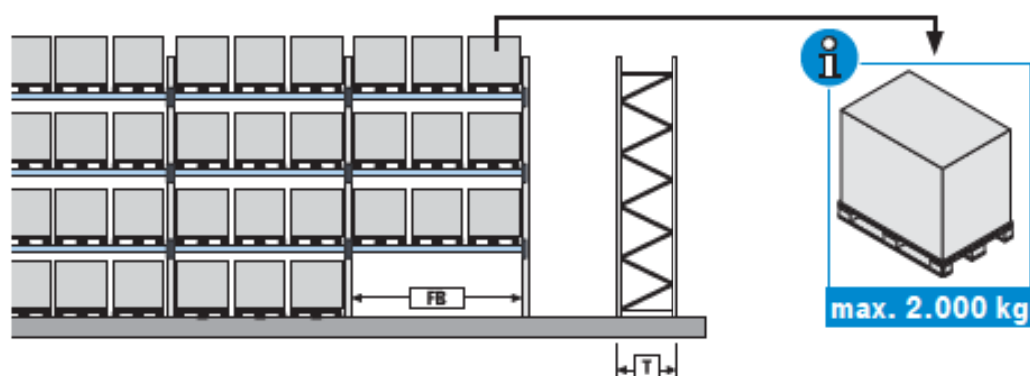


2

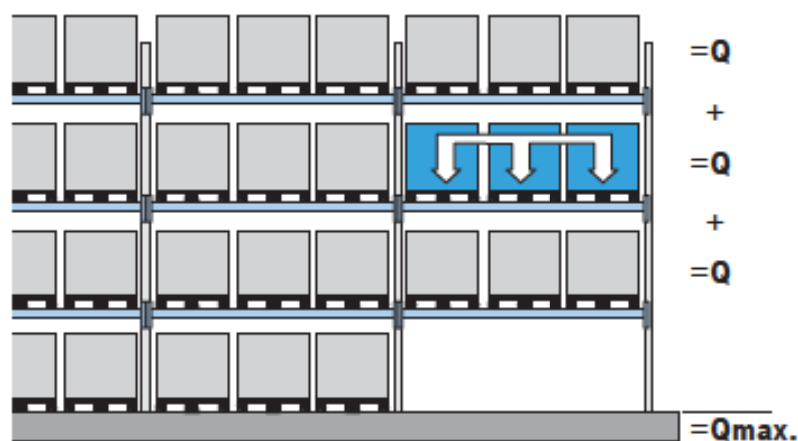


1		472 x 380 mm		1x
2		M10 x 20 mm DIN EN ISO 4017	8.8	2x
3		M10 DIN EN ISO 4014	8	2x

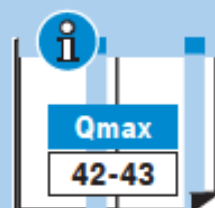
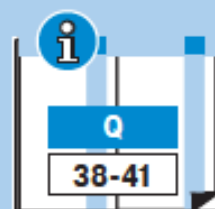
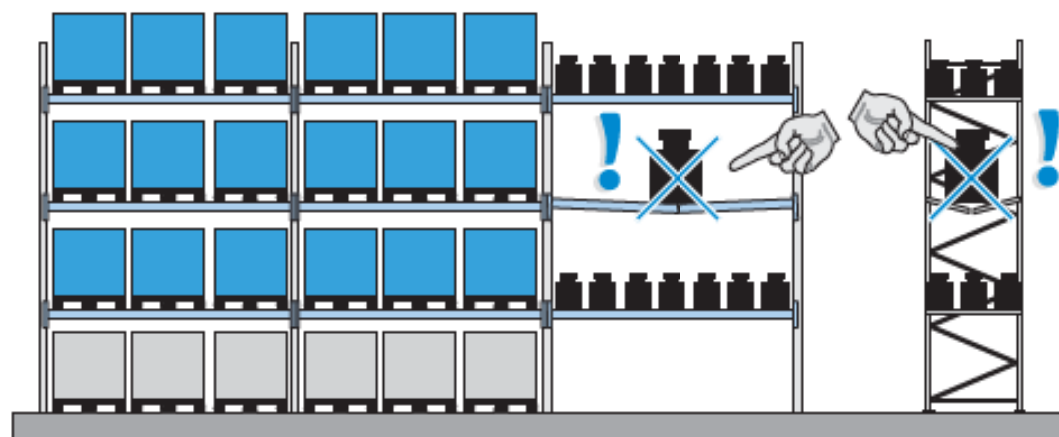




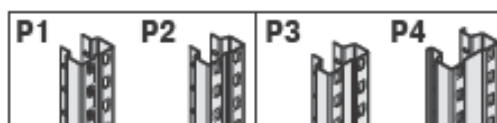
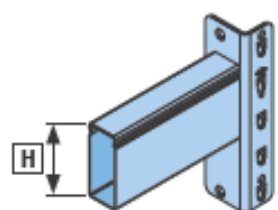
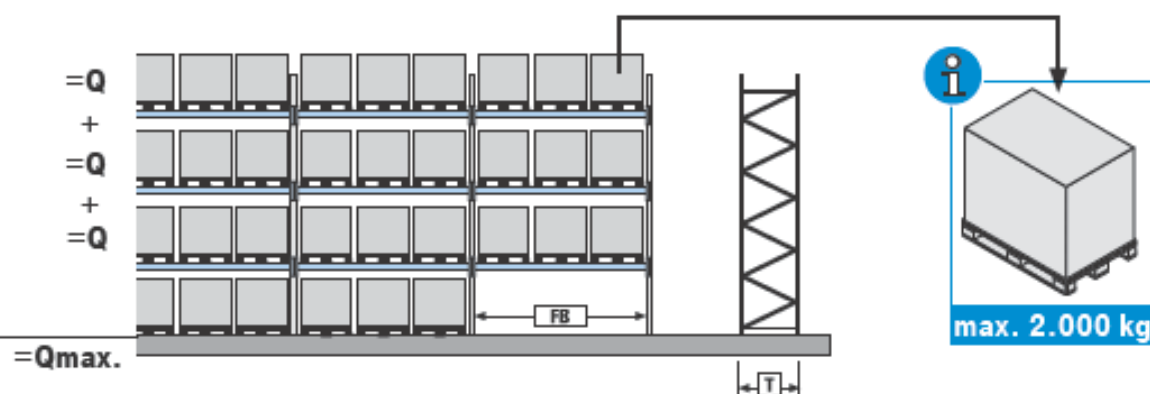
Q



$$\Sigma Q \leq Q_{\max.}$$



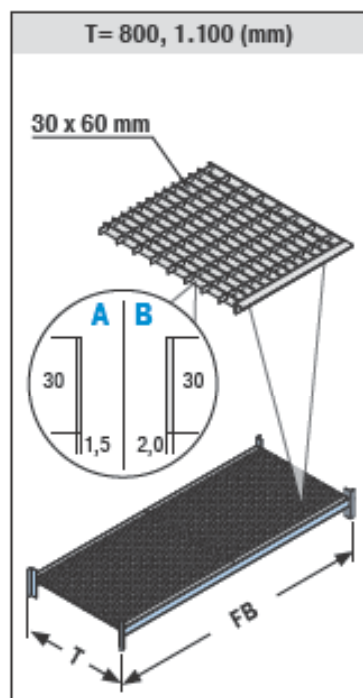
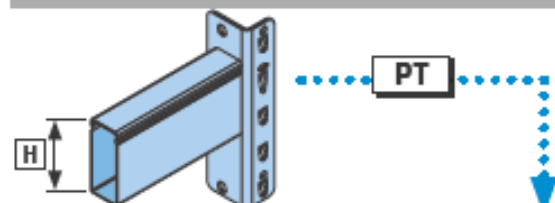
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 mm



	FB= (mm)		H= (mm)	Q= max. (kg)	Q= max. (kg)
	1.350	PT 95L	95	2.000	2.000
	1.500	PT 95L	95	2.000	2.000
	1.800	PT 95L	95	2.500	2.500
	2.200	PT 95L	95	2.100	2.250
		PT 95L	95	1.800	1.900
		PT 110L	110	2.400*	2.400
		PT 120M	120	3.050	3.175
		PT 150M	150	4.250	4.350
		PT 120M	120	2.350	2.500
		PT 150M	150	3.500	3.650
		PT 130M	130	2.400	2.500
		PT 150M	150	3.200	3.350
		PT 170S	170	4.000	4.150

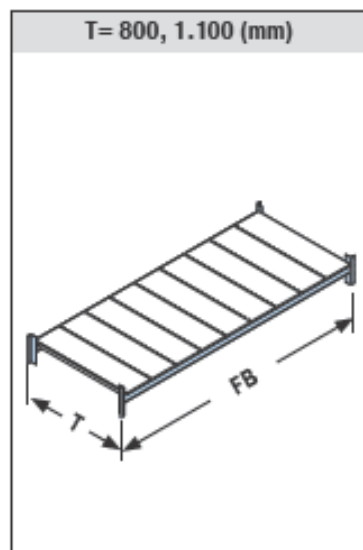
T= 800, 1.100 (mm)	FB= (mm)		H= (mm)	T= 800 mm Q= max. (kg)	PSU	T= 1.100 mm Q= max. (kg)	PSU
	1.350	PT 95L	95	1.500	3	1.500	3
	1.800	PT 95L	95	1.800	3	2.200	3
	2.200	PT 95L	95	2.100	4	2.100	4
		PT 95L	95	1.800	4	1.800	4
		PT 110L	110	2.200	4	2.400	4
		PT 120M	120	3.000	5	3.000	4
		PT 150M	150	3.000	5	4.000	5
		PT 120M	120	2.400	5	2.400	5
		PT 150M	150	2.800	5	3.300	5
		PT 130M	130	2.300	5	2.400	5
		PT 150M	150	2.300	5	3.250	5
		PT 170S	170	2.300	5	3.300	5





T= 800, 1.100 (mm)		A 30 x 1,5 mm	
FB= (mm)	H= (mm)	T= 800 Q= max. (kg)	
1.350	PT 95L	95	1.500
1.800	PT 95L	95	2.000
2.200	PT 110L	110	2.400
2.700	PT 120M	120	3.000
3.300	PT 150M	150	3.500
3.600	PT 170S	170	4.000

A 30 x 1,5 mm		B 30 x 2,0 mm	
FB= (mm)	H= (mm)	T= 1.100 Q= max. (kg)	T= 1.100 Q= max. (kg)
1.350	PT 95L	95	900
1.800	PT 95L	95	1.200
2.200	-	-	-
2.700	PT 95L	95	1.800
3.300	-	-	-
3.600	PT 130M	130	2.400



T= 800, 1.100 (mm)		T= 800/1.100 mm	
FB= (mm)	H= (mm)	Q= max. (kg)	
1.350	PT 95L	95	1.500
1.800	PT 95L	95	2.040
2.200	PT 95L	95	2.100
2.700	PT 95L	95	1.800
	PT 110L	110	2.400
	PT 120M	120	3.060
	PT 150M	150	3.060
3.300	PT 120M	120	2.400
	PT 150M	150	3.300
3.600	PT 130M	130	2.400
	PT 150M	150	3.250
	PT 170S	170	4.000



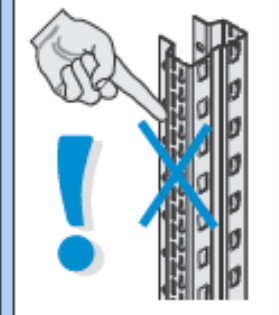
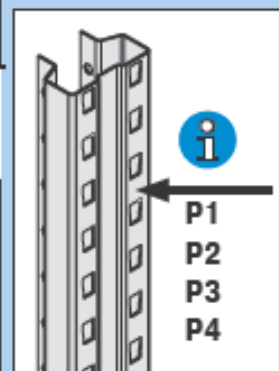
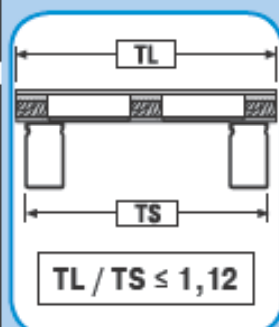
Q

$$\Sigma Q \leq Q_{max.}$$

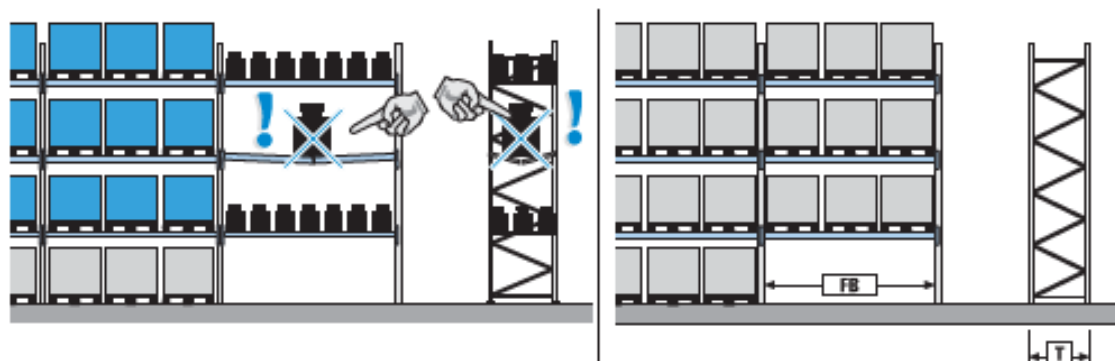
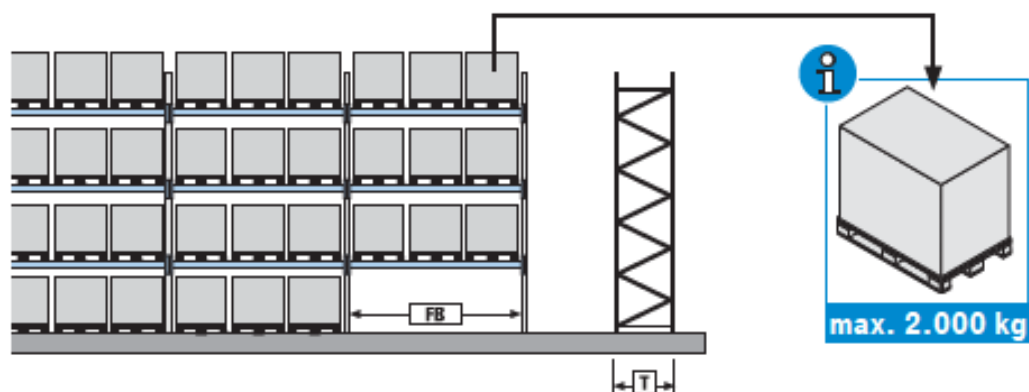


Qmax.

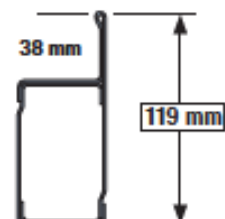
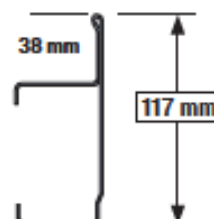
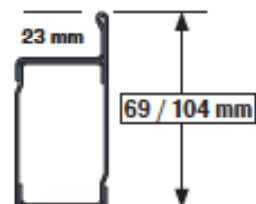
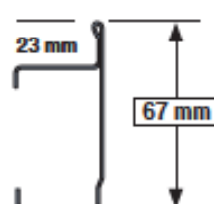
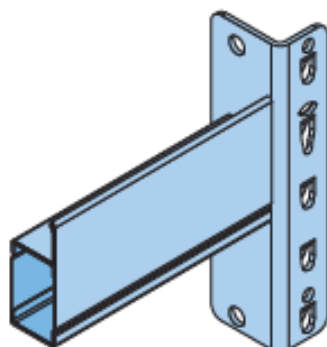
42-43

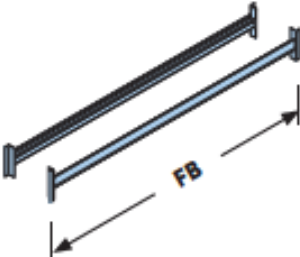


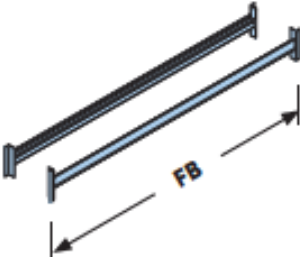
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 mm



PST 67L
PST 69L
PST 104L
PST 117L
PST 119L





<div>  </div>	FB= (mm)	PST 67L	PST 69L	PST 104L	PST 117L	PST 119L
	Q= max. kg	Q= max. kg	Q= max. kg	Q= max. kg	Q= max. kg	Q= max. kg
1.350	400	1.200	2.000	1.200	2.000	
1.800	-	1.000	2.275	-	2.360	
2.200	-	870	1.900	-	2.000	
2.700	-	700	1.600	-	1.650	
3.300	-	500	1.350	-	1.400	
3.600	-	430	1.250	-	1.300	

23 mm

67 mm

23 mm

69 / 104 mm

38 mm

117 mm

38 mm

119 mm





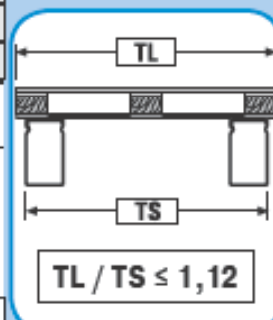
Q

$$\Sigma Q \leq Q_{\max.}$$



Q_{max.}

42-43



P1
P2
P3
P4



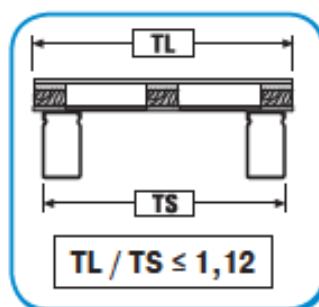
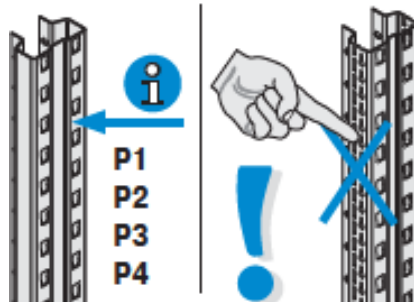
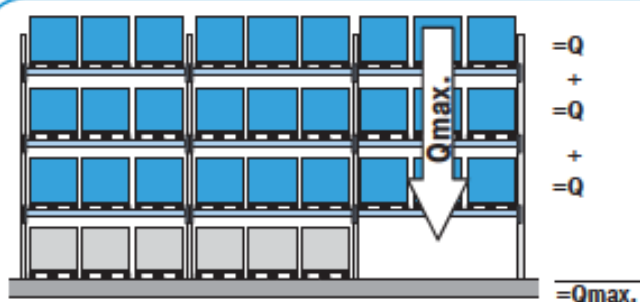
T= 600, 800, 1.100 (mm)	FB= (mm)	T= (mm)			PST 67L	PST 69L
					Q = max. kg	Q = max. kg
	1.350	600	-	3	400	-
	1.800		-	4	500	-
	2.200		1	5	550	-
	2.700		1	5	500	-
	2.700		-	7	-	700
	1.350	800	-	3	400	-
	1.800		-	4	500	-
	2.200		1	5	550	-
	2.700		1	5	500	-
	2.700		-	7	-	700
	1.350	1.100	-	4	400	-
	1.800		-	5	500	-
	2.200		1	5	550	-
	2.700		1	5	500	-
	2.700		-	7	-	700

T= 600, 800, 1.100 (mm)	FB= (mm)	PST 69L	PST 104L
		Q = max. kg	Q = max. kg
	1.350	975	975
	1.800	1.000	1.260
	2.200	870	1.540
	2.700	700	1.600
	3.300	500	1.350
	3.600	430	1.250

T= 800, 1.100 (mm)	FB= (mm)	PST 117L		PST 119L	
		Q = max. kg		Q = max. kg	
		T= 800 mm	T= 1.100 mm	T= 800 mm	T= 1.100 mm
	1.350	1.200	650	1.200	650
	1.800	-	-	1.600	900
	2.200	-	-	1.950	1.100
	2.700	-	-	1.650	1.350
	3.300	-	-	1.400	1.400
	3.600	-	-	1.300	1.300



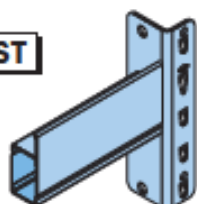
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 mm







Qmax.

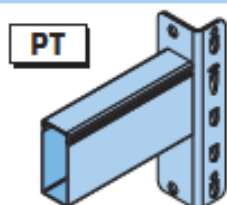
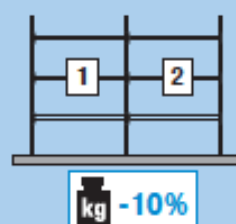
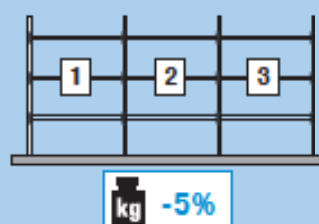
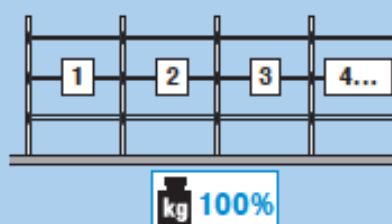
$\Sigma Q \leq Q_{max.}$

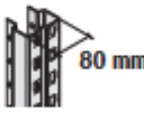

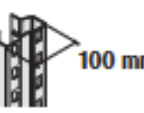

PST



		P1  80 mm		P2  90 mm		P3  100 mm		P4  120 mm	
		Qmax. (kg)		Qmax. (kg)		Qmax. (kg)		Qmax. (kg)	
FA= (mm)		FB ≤ 2.700 mm	FB ≤ 3.600 mm	FB ≤ 2.700 mm	FB ≤ 3.600 mm	FB ≤ 2.700 mm	FB ≤ 3.600 mm	FB ≤ 2.700 mm	FB ≤ 3.600 mm
1.000	PST 67L	4.900	3.860	5.480	4.280	5.420	4.460	6.120	4.560
1.250		3.160	3.100	4.280	3.680	4.760	3.900	4.880	4.040
1.500		1.760	1.760	3.120	2.860	3.200	3.000	3.940	3.460
1.750		1.100	1.100	2.340	2.540	2.800	2.600	3.440	2.840
2.000		-	-	-	-	-	-	-	-
2.500		-	-	-	-	-	-	-	-
1.000	PST 69L	4.900	3.860	5.660	4.780	5.420	5.040	6.120	5.760
1.250		3.180	3.100	4.640	3.780	4.760	4.080	4.880	4.300
1.500		2.440	2.200	3.780	3.100	3.860	3.480	4.500	3.620
1.750		2.280	1.880	3.280	2.640	3.480	2.840	3.740	2.980
2.000		-	-	-	-	-	-	-	-
2.500		-	-	-	-	-	-	-	-
1.000	PST 104L	6.000	6.000	9.360	8.941	12.160	11.880	14.860	13.640
1.250		6.000	6.000	8.760	8.560	11.320	10.320	13.580	11.620
1.500		6.000	5.940	8.220	7.920	10.180	8.840	11.900	9.420
1.750		5.820	5.680	7.500	6.660	8.860	7.620	9.840	8.100
2.000		5.140	5.260	6.800	5.440	7.580	6.500	8.740	6.880
2.500		4.160	4.060	5.440	4.020	5.860	5.160	6.500	5.420
1.000	PST 119L	6.000	6.000	9.360	8.941	12.160	11.880	14.860	13.640
1.250		6.000	6.000	8.760	8.560	11.320	10.320	13.580	11.620
1.500		6.000	5.940	8.220	7.920	10.180	8.840	11.900	9.420
1.750		5.820	5.680	7.500	6.660	8.860	7.620	9.840	8.100
2.000		5.140	5.260	6.800	5.440	7.580	6.500	8.740	6.880
2.500		4.160	4.060	5.440	4.020	5.860	5.160	6.500	5.420





		P1 		P2 		P3 		P4 	
		Qmax. (kg)		Qmax. (kg)		Qmax. (kg)		Qmax. (kg)	
FA= (mm)		FB=		FB=		FB=		FB=	
		≤ 2.700 mm	≤ 3.600 mm	≤ 2.700 mm	≤ 3.600 mm	≤ 2.700 mm	≤ 3.600 mm	≤ 2.700 mm	≤ 3.600 mm
1.000	PT 95L	6.000	6.000	9.500	8.941	12.837	12.202	16.194	14.140
1.250		6.000	6.000	9.339	8.941	12.480	11.840	14.980	13.200
1.500		6.000	6.000	8.860	8.500	11.720	10.280	13.900	11.520
1.750		5.800	5.660	7.840	7.780	10.400	8.880	11.920	9.440
2.000		5.560	5.360	7.460	6.940	8.900	7.520	10.360	8.080
2.500		4.580	4.100	5.920	5.160	6.660	5.400	7.680	6.460
1.000	PT 110L	6.000	6.000	9.500	8.941	12.837	12.202	16.194	16.194
1.250		6.000	6.000	9.339	8.941	12.480	12.202	15.973	15.740
1.500		6.000	6.000	8.860	8.840	11.720	12.040	15.260	14.500
1.750		6.000	6.000	8.500	8.340	10.400	10.420	14.240	12.380
2.000		5.720	5.440	7.460	7.020	8.900	9.120	12.620	10.720
2.500		4.880	4.560	6.200	5.560	6.660	6.900	9.720	8.200
1.000	PT 120M	6.000	6.000	9.500	8.941	12.837	12.202	16.194	16.194
1.250		6.000	6.000	9.339	8.941	12.691	12.202	15.973	15.973
1.500		6.000	6.000	9.177	8.840	12.100	12.202	15.751	15.440
1.750		6.000	6.000	8.700	8.540	11.740	11.500	14.840	14.460
2.000		6.000	5.720	7.680	7.220	10.240	10.060	14.000	13.240
2.500		4.880	4.560	6.820	6.220	9.140	8.340	11.780	10.200
1.000	PT 130M	6.000	6.000	9.500	8.941	12.837	12.202	16.194	16.194
1.250		6.000	6.000	9.339	8.941	12.691	12.202	15.973	15.973
1.500		6.000	6.000	9.177	8.941	12.544	12.202	15.751	15.751
1.750		6.000	6.000	8.700	8.540	11.580	11.500	15.280	14.720
2.000		6.000	5.720	7.680	8.140	9.780	10.800	14.220	13.780
2.500		4.880	4.900	7.000	6.220	8.580	8.340	12.500	11.840
1.000	PT 150M	6.000	6.000	9.500	8.941	12.837	12.202	16.194	16.194
1.250		6.000	6.000	9.339	8.941	12.691	12.202	15.973	15.973
1.500		6.000	6.000	9.177	8.941	12.544	12.202	15.751	15.751
1.750		6.000	6.000	9.016	8.540	12.280	12.040	15.530	15.420
2.000		6.000	5.920	8.460	8.140	11.060	10.800	14.960	14.620
2.500		4.880	4.900	7.000	6.460	9.840	9.560	13.060	12.600
1.000	PT 170S	6.000	6.000	9.500	8.941	12.837	12.202	16.194	16.194
1.250		6.000	6.000	9.339	8.941	12.691	12.202	15.973	15.973
1.500		6.000	6.000	9.177	8.941	12.544	12.202	15.751	15.751
1.750		6.000	6.000	9.016	8.941	12.398	12.202	15.530	15.530
2.000		6.000	5.920	8.460	8.460	11.640	11.480	15.240	14.480
2.500		4.880	4.900	7.000	6.720	9.900	9.760	13.860	13.380



0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 mm

PL-PRO



Technische Änderungen vorbehalten. Technical modifications reserved.