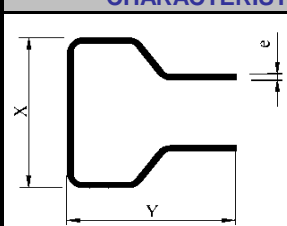


- A.- UPRIGHTS**
- B.- BEAMS**
- C.- SHELVES PICKING GALV.**
- D.- TAM**
- E.- SHELVES HM**
- F.- UNIONS FRAME M7**

- G.- CHI.SUPP.**
- H.- CLAMPS Z-TAM**
- I.- DIVIDERS (TAM)**
- J.- CLADDING SIDE PANEL MESH GALV.**
- K.- CLADDING SIDE PANEL TAM**

CHARACTERISTICS UPRIGHTS 7515	
DIMENSIONS (mm)	
X	49
Y	52
e	1,5 - 1,8 - 2




LOADING TABLE OF PICKING (Kg) BY FRAME WITHOUT CROSS BRACING LONGITUDINAL

TYPE PROFILE	FREE HEIGHT (cm)									
	25	50	75	100	125	150	175	200	225	250
7515 (TUV)	4.340	4.060	3.850	3.600	3.240	2.800	2.300	1.920	1.560	1.320
7520 (TUV)	5.900	5.670	5.330	5.020	4.600	3.970	3.230	2.590	2.150	1.790
80 MLD	12.820	12.200	11.640	11.120	10.640	10.190	9.070	7.980	6.940	6.020

LOADING TABLE OF PICKING (Kg) BY FRAME WITH CROSS BRACING LONGITUDINAL

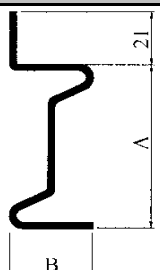
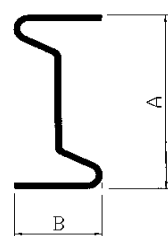
TYPE PROFILE	FREE HEIGHT (cm)									
	25	50	75	100	125	150	175	200	225	250
7515	4820	4820	4820	4820	4820	4400	3530	2830	2290	1870

These 2 tables are calculated according to the additional efforts indicated by the present European regulations and standards (the FEM standards).

The test of the profiles is made according to the regulations NBE - EA 95

BEAMS

CHARACTERISTICS BEAMS

BEAMS ZE	PROFILE	A x B	BEAMS MS	PROFILE	A x B
	ZE - 35	35 x 30		MS - 65	65 x 30
	ZE - 55	55 x 30			
	ZE - 65	65 x 30			

Uniformly distributed Load Table (in Kg) per pair of Beams for Deflection L/200 (TUV)

PROFILE	LENGTH BEAMS (mm)										
	950	1.150	1.200	1.350	1.400	1.825	1.900	2.225	2.300	2.625	2.700
ZE - 35	720	610	590	510	500						
ZE - 55						850	810	710	670	485	450
ZE - 65						955	935	820	775	595	550
MS - 65	1800	1500	1450	1300	1250	970	925	805	705	620	580

MAX. LOAD PER GARMENT OR TUBE GARMENT 30 x 2 mm. (Kg) (TÜV)			
WITH 2 SUPPORTS			
BAY (mm)	LENGTH TUBE (mm)	LOAD	
1000	1010	140	
1200	1210	95	
1400	1410	70	
1900	1910	40	
WITH 3 SUPPORTS			
BAY (mm)	LENGTH TUBE (mm)	LOAD	
1000	1010	160	
1200	1210	130	
1400	1410	115	
1900	1910	85	

MAX. LOAD PER SUPPORT TUBE GARMENT (Kg) (TÜV)		
WITH 1 TUBE		
SUPPORT	60	220
WITH 2 TUBES		
SUPPORT	120	222

MAX. LOAD PER BEAM GARMENT D=30 (Kg) (TÜV)				
	LENGTH BEAM (mm)			
	1000	1200	1400	1900
	180	150	115	80

MAX. LOAD PER SHELF TAM 30 (Kg) WITHOUT CROSS TIES (TÜV)				
(UNIFORMLY DISTRIBUTED)				
Deflection Wood 1/150. According to RAL Standard				
		DEPTH 600mm.		DEPTH 800mm.
	LENGTH BAY (mm)	1200	779	538
		1400	899	619
		1900	1229	834
		2300	1490	1009
				DEPTH 1000mm.
		1200	349	259
		1400	404	300
		1900	549	410
		2300	664	497

FOR LOADS IN EXCESS OF THE BEAM CAPACITY, PLEASE CONSULT TABLES FOR PALLET RACKING.

THE LOAD CAPACITY INCREASES:

- 1.- When the load depth is greater than the shelving depth and it is not limited by the beam.
- 2.- When the chipboard supports three or more beams.

SHELVES TAM 22 (WITHOUT / WITH CROSS TIES L-Z)



MAX. LOAD PER LEVEL TAM 22 UNIFORMLY DISTRIBUTED (Kg)

L (mm)	DEPTH 600mm			DEPTH 800mm					DEPTH 1000mm				
	NBER. Cross ties			NBER. Cross ties					NBER. Cross ties				
	0	2	3	0	1	2	3	4	0	1	2	3	4
1150/1200	715	2000	3280	405	520	1575	1965	2355	205	360	865	1135	1410
1350/1400	715	1960	3200	435	515	1560	2030	2495	205	345	840	1145	1445
1825/1900	960	1575	2160	550	580	1215	2455	3700	340	395	865	1340	1810
2225/2300	1160	1540	1930	590	625	1055	2235	3415	410	460	800	1345	1885
2625/2700	1360	1500	1700	625	665	900	2015	3130	480	525	740	1345	1955

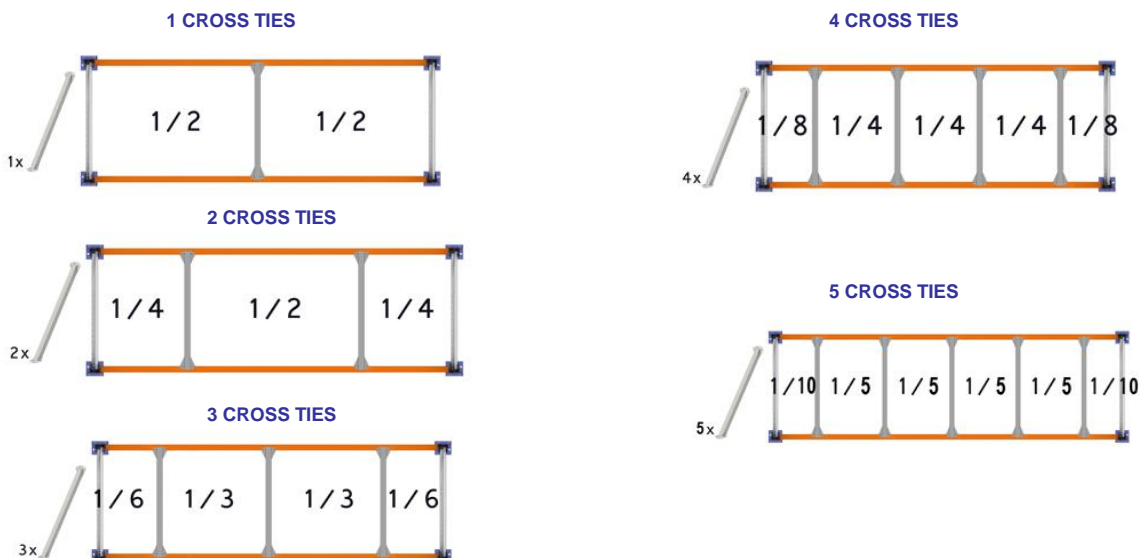
L (mm)	DEPTH 1100mm					DEPTH 1200mm					
	NBER. Cross ties					NBER. Cross ties					
	0	1	2	3	4	0	1	2	3	4	5
1150/1200	190	355	800	1025	1260	175	355	740	910	1110	1310
1350/1400	205	320	730	1010	1250	205	300	620	870	1055	1240
1825/1900	315	375	815	1160	1510	290	350	765	985	1205	1425
2225/2300	365	410	745	1195	1640	320	365	690	1045	1400	1755
2625/2700	415	450	675	1225	1775	350	380	615	1105	1595	2085

Admissible deformation on the edge of the panel: depth of the level/200

In case of other values please consult the Engineering Department.

The loads of TAM 22 boards presented in the table can be higher than the loads determined for beams. The resistance of beams must be checked in appropriate tables.

CONFIGURATION CROSS TIES

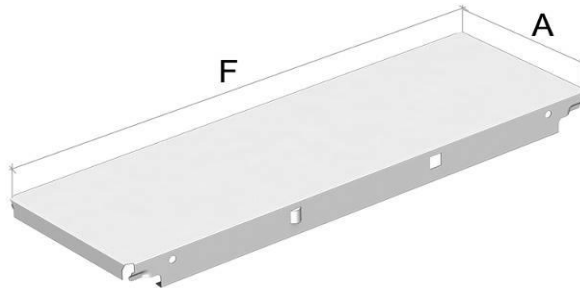


CAPACITY SHELVES PICKING GALV. / PKM 07

MAX. LOAD PER m² SHELF PICKING (Kg) (TÜV)

(Uniformly Distributed)

DEPTH SHELF F (cm)	WIDTH SHELF A (cm)			
	20	22,5	30	40
40	--	*	*	*
50	1600	1350	1050	700
60	1040	1030	750	575
80	1250	600	425	375
100	675	320	270	170
120	350	225	190	100



If one level has shelves of different widths, take the load per m² of the larger shelf.

For other measurements and loads please consult the Technical Department.

* Consult the Engineering Department.

CAPACITY SHELVES HM

MAX. LOAD PER SHELF HM (Kg)

Uniformly Distributed

SIZES (CM)	WITHOUT REINFORCERS		WITH 1 REINFORCER	
		(TÜV)		(TÜV)
100 x 30	200	180	280	280
100 x 40	200	200	280	280
100 x 50	200	200	280	280
100 x 60	200	126	280	230
125 x 30	150	150	210	210
125 x 40	150	150	210	210
125 x 50	150	150	210	210
125 x 60	150	125	210	170
140 x 30	125	80	180	140
140 x 40	125	125	180	180
140 x 50	125	125	180	180
140 x 60	125	125	180	180



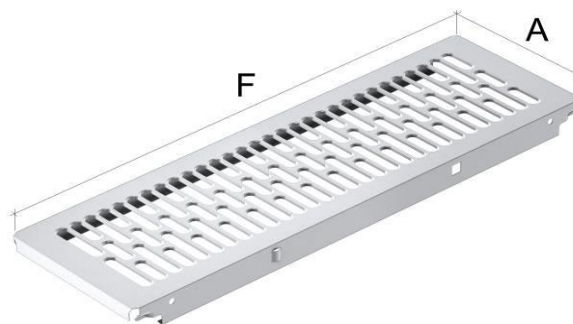
SHELF HM: e = 0,7 mm.

CAPACITY SHELVES PKM 07 P

MAX. LOAD PER m² SHELF PKM 07 P

(Uniformly Distributed)

DEPTH SHELF F (cm)	WIDTH SHELF A (cm)	
	20	22,5
60	500	450
80	450	440
100	380	370
120	300	280



SHELF : e = 0,6 mm.

If one level has shelves of different widths, take the load per m² of the larger shelf.

For other measurements and loads please consult the Technical Department.

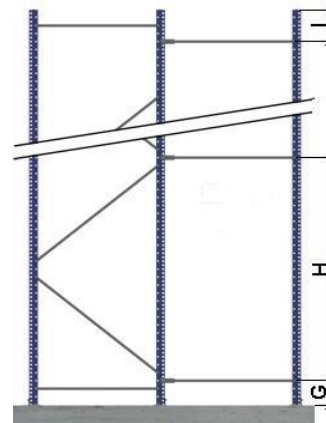
CROSS BRAC. PICKING

FRAME	LEVELS	HEIGHT FRAME		
		H ≤ 3 m	3 m < H ≤ 8 m	> 8m
7515 7520 80 MLD	ZE /ZS	Without Cross-Bracing	Without Cross-Bracing	Consult the Engineering Department.
	SHELVES HM	Cross-Bracing According to TABLE	BEAMS HD EACH 2000mm. / HEIGHT EACH BAY + Cross-Bracing According to TABLE	

TABLE CROSS BRAC. PICKING PK (Shelves HM)

MAX. LOAD PER BAY (*) (TÜV)			
N° of bays Cross-Bracing	HEIGHT SHELVING (mm)		
	≤ 4500	≤ 6000	≤ 8000
1 of each 12	3.350 Kg.	----	----
1 of each 11	3.650 Kg.	----	----
1 of each 10	4.050 Kg.	3.500 Kg.	2.600 Kg.
1 of each 9	4.450 Kg.	3.900 Kg.	2.900 Kg.
1 of each 8	5.050 Kg.	4.400 Kg.	3.300 Kg.
1 of each 7	5.775 Kg.	5.000 Kg.	3.750 Kg.
1 of each 6	----	5.850 Kg.	4.400 Kg.
1 of each 5	----	----	5.250 Kg.
1 of each 4	----	----	6.600 Kg.

UPRIGHT ADDITIONAL



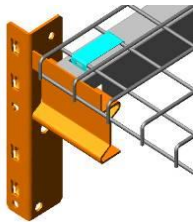
(*) Double Shelves = 2 singles

G ≤ 600 mm.

H ≤ 1.200 mm.

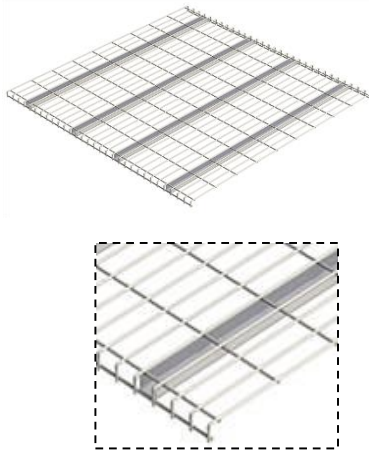
I ≤ 100 mm.

CROSS TIE MESH



DEPTH FRAME (mm)	CROSS TIE MESH PICKING (Kg)
800	425
900	375
1000	325
1100	275

WIRE MESH SHELVES PK



MAX. LOAD PER WIRE MESH SHELVES PK						
WIDTH	754mm		904/964mm		1384mm	
DEPTH	KG/PIECE	Kg/m ²	KG/PIECE	Kg/m ²	KG/PIECE	Kg/m ²
600mm	416	920	549	1011	759	914
800mm	199	330	416	575	623	563
900mm	177	261	327	402	472	379
1000mm	164	217	306	339	420	303
1100mm	151	183	229	231	369	242
1200mm	123	136	136	126	273	164