

STANDARD & HEAVY DUTY LINE

FX25S - FX30S - FX40S

These pages contain the drawings and technical data for the standard range of flat trusses.

Heavy Duty flat trusses are only available as special order products upon request.

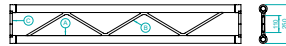


FX25S

- Flat section aluminium truss with 25 cm long sides.
- (A) Chords: extruded tube $\varnothing 50 \times 1,5$ mm - EN AW 6005 T6
- (B) Diagonals: extruded tube $\varnothing 14 \times 1,5$ mm - EN AW 6060 T6
- (C) Ends: aluminium casting plate - EN AC 42200 T6

Connection systems:

- FXFC: quick-fit kit
- FXSM8: bolt connection kit



FX25S

FX30S

- Flat section aluminium truss with 29 cm long sides.
- (A) Chords: extruded tube $\varnothing 50 \times 2$ mm - EN AW 6082 T6
- (B) Diagonals: extruded tube $\varnothing 18 \times 2$ mm - EN AW 6082 T6
- (C) Ends: aluminium casting plate - EN AC 42200 T6

Connection systems:

- FXFC: quick-fit kit
- FXSM10: bolt connection kit



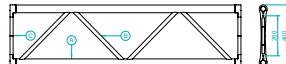
FX30S

FX40S

- Flat section aluminium truss with 40 cm long sides.
- (A) Chords: extruded tube $\varnothing 50 \times 2$ mm - EN AW 6082 T6
- (B) Diagonals: extruded tube $\varnothing 25 \times 2$ mm - EN AW 6082 T6
- (C) Ends: aluminium casting plate - EN AC 42200 T6

Connection systems:

- FXFC: quick-fit kit
- FXSM10: bolt connection kit



FX40S

Code	Dim. (cm)	Weight (Kg)
TRUSS - FX25		
FX25S012M5	25x5x12.5	0.80
FX25S025	25x5x25	1.00
FX25S050	25x5x50	1.50
FX25S100	25x5x100	2.20
FX25S150	25x5x150	3.00
FX25S200	25x5x200	3.90
FX25S250	25x25x250	4.60
FX25S300	25x5x300	5.40
FX25S350	25x5x350	6.20
FX25S400	25x5x400	7.00

Code	Dim. (cm)	Weight (Kg)
TRUSS - FX30		
FX30S010M5	29x5x10.5	1.30
FX30S021	29x5x21	1.50
FX30S025	29x5x25	1.60
FX30S050	29x5x50	1.80
FX30S100	29x5x100	2.70
FX30S150	29x5x150	3.70
FX30S200	29x5x200	4.70
FX30S250	29x5x250	5.80
FX30S300	29x5x300	6.70
FX30S350	29x5x350	7.70
FX30S400	29x5x400	8.70

Code	Dim. (cm)	Weight (Kg)
TRUSS - FX40		
FX40S010	40x5x10	1.50
FX40S025	40x5x25	1.80
FX40S050	40x5x50	2.50
FX40S100	40x5x100	3.30
FX40S150	40x5x150	4.30
FX40S200	40x5x200	5.30
FX40S250	40x5x250	6.50
FX40S300	40x5x300	7.20
FX40S350	40x5x350	8.60
FX40S400	40x5x400	9.20



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FX25S - FX30S - FX40S

Load Table
Spigot connection



FX40S FX30S FX25S

Span [m]	Centre Point Load (C.P.L.)			Third Point Load (T.P.L.)			Quarter Point Load (Q.P.L.)			Fifth Point Load (F.P.L.)			Uniformly Distributed Load (U.D.L.)		
	Point Load [kg]	Full Load [kg]	Central Deflection [mm]	Point Load [kg]	Full Load [kg]	Central Deflection [mm]	Point Load [kg]	Full Load [kg]	Central Deflection [mm]	Point Load [kg]	Full Load [kg]	Central Deflection [mm]	Load [kg/m]	Full Load [kg]	Central Deflection [mm]
1	269	269	0,17	135	269	0,15	90	269	0,14	67	269	0,13	269	269	0,11
2	261	261	1,33	134	267	1,16	89	267	1,08	67	267	1,03	134	267	0,86
3	79	79	1,41	51	102	1,54	36	109	1,53	28	113	1,52	45	136	1,51
4	31	31	1,43	20	39	1,54	14	42	1,54	11	43	1,52	13	52	1,51
5	13	13	1,49	8	16	1,53	6	17	1,55	4	18	1,52	4	21	1,51
6	5	5	1,59	2	5	1,52	2	6	1,58	1	5	1,51	1	6	1,51
1	1124	1124	0,38	585	1169	0,34	390	1169	0,31	292	1169	0,30	1169	1169	0,25
2	423	423	1,16	274	549	1,28	195	586	1,26	152	610	1,26	366	732	1,25
3	123	123	1,16	79	158	1,27	56	169	1,27	44	176	1,26	70	211	1,25
4	48	48	1,18	31	62	1,27	22	67	1,27	17	69	1,26	21	83	1,25
5	21	21	1,22	13	26	1,27	10	29	1,28	7	29	1,25	7	35	1,25
6	9	9	1,28	5	10	1,26	4	11	1,20	3	11	1,25	2	13	1,25
1	904	904	0,15	495	990	0,14	346	1038	0,13	267	1070	0,13	1213	1213	0,12
2	620	620	0,80	402	804	0,88	286	858	0,87	223	893	0,87	536	1072	0,86
3	180	180	0,80	117	233	0,88	83	249	0,88	65	259	0,87	104	311	0,86
4	72	72	0,81	46	93	0,88	33	100	0,88	26	103	0,87	31	124	0,86
5	33	33	0,83	21	42	0,88	15	45	0,88	12	46	0,87	11	56	0,86
6	15	15	0,87	9	18	0,87	7	20	0,89	5	20	0,87	4	24	0,86

Load table has been prepared in accordance with UNI ENV 1999-1-1 (Eurocode 9). TÜV certification has been made in accordance with DIN 4113 (except for model FX25S). When calculating the allowable loads it is assumed that the load is suspended from the bottom chord and the truss is supported from the top chord at each end. The values shown in the table are the allowable static loads that can be applied to the truss. This is the live load or the payload. The self weight of the truss has been taken into account when calculating the values in the table. It should be noted that these are idealised loading conditions and the User shall re-analyze the truss for the loading conditions which prevail for the application being considered.

Code	Dim. (cm)	Weight (Kg)
CORNERS - FX30		
FX25K2	25x5x5	1.13
FX25K4	25x25x5	3.00
FX25L2045P	50x50x5	2.09
FX25L2045V	50x50x25	3.07
FX25L2060P	50x50x5	2.74
FX25L2060V	50x50x25	3.27
FX25L2090P	50x50x5	1.65
FX25L2090V	50x50x25	1.83
FX25L2120P	50x50x5	1.66
FX25L2120V	50x50x25	1.90
FX25L2135P	50x50x5	2.09
FX25L2135V	50x50x25	1.85
FX25L3LP	50x50x50	2.47
FX25L3LV	50x50x50	2.43
FX25L3RP	50x50x50	2.47
FX25L3RV	50x50x50	2.43
FX25T3NP	50x50x5	1.80

Code	Dim. (cm)	Weight (Kg)
CORNERS - FX30		
FX25T3NV	25x50x50	2.09
FX25T4NP	50x50x50	3.00
FX25T4NV	50x50x50	2.66
FX25X4NP	50x50x5	2.08
FX25X4NV	50x50x25	2.39
FX25ACL	25x25x5	1.90
FX25ACS	25x12.5x5	1.70
CORNERS - FX30		
FX30K2	29x5x5	1.20
FX30K4	29x29x5	3.30
FX30SL2060P	50x50x5	2.70
FX30SL2060V	50x50x29	4.96
FX30SL2090P	50x50x5	2.49
FX30SL2090V	50x50x29	2.84
FX30SL2120P	50x50x5	2.56
FX30SL2120V	50x50x29	2.92
FX30SL2135P	50x50x5	2.70

Code	Dim. (cm)	Weight (Kg)
CORNERS - FX40		
FX30SL2135V	50x50x29	2.89
FX30SL3LP	50x50x50	3.81
FX30SL3LV	50x50x50	3.74
FX30SL3RP	50x50x50	3.81
FX30SL3RV	50x50x50	3.74
FX30ST3NP	50x50x5	2.87
FX30ST3NV	29x50x50	3.37
FX30ST4NP	50x50x50	3.00
FX30ST4NV	50x50x50	4.20
FX30SX4NP	50x50x5	3.39
FX30SX4NV	50x50x29	3.90
FX30SACL	29x21x5	1.90
FX30SACS	29x10.5x5	1.70
CORNERS - FX40		
FX40K2	40x5x5	1.45
FX40K4	40x40x5	4.47
FX40SL2060P	50x50x5	4.90

Code	Dim. (cm)	Weight (Kg)
CORNERS - FX40		
FX40SL2060V	50x50x40	5.30
FX40SL2090P	50x50x5	2.70
FX40SL2090V	50x50x40	3.10
FX40SL2120P	50x50x5	5.30
FX40SL2120V	50x50x40	5.30
FX40SL2135P	50x50x5	2.80
FX40SL2135V	50x50x40	3.20
FX40SL3LP	50x50x50	4.30
FX40SL3LV	50x50x50	3.90
FX40SL3RP	50x50x50	4.30
FX40SL3RV	50x50x50	3.90
FX40ST3NP	50x50x5	4.10
FX40ST3NV	50x50x50	3.80
FX40ST4NP	50x50x5	4.50
FX40ST4NV	50x50x50	6.20
FX40SX4NP	100x100x5	5.50
FX40SX4NV	50x50x40	6.50
FX40SAC	40x10x5	2.80