

Translation:

Mark Approval Certificate

No. 2246/04

Rev. 1

Only valid with Terms and Conditions overleaf

RWTÜV Systems GmbH, Postfach 10 32 61, D-45032 Essen

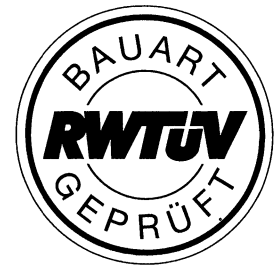
LICENCE HOLDER: Prolyte Produkts Group
Industriepark 9, 9351 PA Leek, Netherlands

MANUFACTURING LOCATION: see above

Reference of applicant	Date of application	File reference 20633656	Date of issue	23.09.2004
Mr. Hendriks	10.05.2004	2.4-151/96 Brau/A05	Valid until	23.09.2009

TEST MARK:

for technical products, components and accessories of technical work equipment



KIND OF PRODUCT: Aluminium Truss System Type H40V

Connecting cross section: quadrat with a flange length of 339 mm relating to the centerline

Outer dimensions: quadrat with a flange length of 390 mm relating to the outer edge

Segment length: 1 m – 4 m

Connecting elements: conical connecting element with conical safety bolt

Main tubes: \varnothing 48 x 3 mm AlMgSi1 F31 / EN AW 6082 T6

Braces: \varnothing 20 x 2 mm AlMgSi1 F31 / EN AW 6082 T6

max. allowed. Bending Moment: 20,70 kNm

max. allowed. Axial force: 30,54 kN/main tube

Load table: see appendix 1

Test documents: Report about the test of a Aluminium Truss System
No. 2245/04 dated 23.09.2004

TESTED ACCORDING TO: DIN 4113-1: 1980-05
DIN 4113-1/A1: 2002-09
DIN 4113-2: 2002-09

ADDITIONAL INFORMATION: REFER TO APPENDIX 1

The Certification Program for equipment safety of RWTÜV Systems GmbH, designated as a certification body for technical equipment and consumer product by the Federal Minister for Economy and Labour, together with its associated testing laboratories, hereby confirms:

the type tested product itemized above complies with the state of the art. So far as it is used as a component or accessory for technical equipment or consumer products it fulfils the specifications as laid down in the current version of the Act on Technical Equipment and Consumer Products valid as of 06.01.2004.

Permission to use the Test Mark in accordance with the conditions of contract printed overleaf is hereby granted.

Zertifizierungsstelle für Gerätesicherheit
und Medizinprodukte



Load table for the aluminium truss system type H40V

The here listed loads are verified for the case simply supported beam with respect of a max. bending ratio of L/100.

length	Distributed load	Central single load	Single load at third points	Single load at fourth points	Single load at fifth points
[m]	[m/kg]	[kg]	[kg]	[kg]	[kg]
2	1272,7	2545,3	1272,7	846,1	636,3
3	846,1	2538,4	1269,2	842,7	634,6
4	632,9	2056,6	1265,8	839,2	632,9
5	504,9	1639,0	1229,3	819,5	631,2
6	419,6	1359,5	1019,7	679,8	564,2
7	331,1	1158,9	869,2	579,5	480,9
8	251,9	1007,6	755,7	503,8	418,1
9	197,6	889,1	666,8	444,6	369,0
10	158,7	793,6	595,2	396,8	329,4
11	130,0	714,9	536,2	357,5	296,7
12	108,1	648,7	486,5	324,4	269,2
13	91,1	592,2	444,1	296,1	245,8
14	74,9	543,2	384,6	271,6	212,8
15	59,6	500,3	327,8	237,6	181,4
16	47,9	462,4	280,8	204,0	155,5
17	38,8	427,5	241,4	175,0	133,6



Load table for the aluminium truss system type H40V.
 The here listed loads are verified for the case simply supported beam.

length	Distributed load	Central single load	Single load at third points	Single load at fourth points	Single load at fifth points
[m]	[m/kg]	[kg]	[kg]	[kg]	[kg]
2	1272,7	2545,3	1272,7	846,1	636,3
3	846,1	2538,4	1269,2	842,7	634,6
4	632,9	2056,6	1265,8	839,2	632,9
5	504,9	1639,0	1229,3	819,5	631,2
6	419,6	1359,5	1019,7	679,8	564,2
7	331,1	1158,9	869,2	579,5	480,9
8	251,9	1007,6	755,7	503,8	418,1
9	197,6	889,1	666,8	444,6	369,0
10	158,7	793,6	595,2	396,8	329,4
11	130,0	714,9	536,2	357,5	296,7
12	108,1	648,7	486,5	324,4	269,2
13	91,1	592,2	444,1	296,1	245,8
14	77,6	543,2	4198,9	271,6	225,4
15	66,7	500,3	375,3	250,2	207,6
16	57,8	462,4	346,8	231,2	191,9
17	50,4	428,5	321,4	214,2	177,8