ZERTIFIKAT ◆ CERTIFICATE ◆ 認証証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

CERTIFICATE

No. B 08 04 18894 038

Holder of Certificate: **Kee Safety Ltd.**
1 Boulton Road
Reading
RG2 ONH
UNITED KINGDOM

Production Facility(ies): 46030

Certification Mark:

Product: **Pipe connector**

Model(s): **Kee Klamp pipe joint connection**

Parameters:

Couplings:	10, 12, 14, 15, 16, 17, 19, 19-85, 20, 21, 25, 26, 27, 28, 29, 30, 35, 40, 45, 46, 55, 56, 86, 87, 88, 89 F50, M50, M51, M52, 114, 121, 145, A10, A10 type B, A12, A21/A26, A35, A40, A45, A45/type B, BC53
Flanges:	M58, 60, 61, 62, S62, 63, 64, 65, 67, 68, 69, 70, 75, 115
Sizes:	5 - 9 for outside diameter of tube from 26.9 - 60.3 mm
Range of application:	Guard railings, racking, bracing

Further technical datas see page 2 and 3

Tested according to: PPP 52175:2001

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. The certification mark must not be altered in any way. See also notes overleaf.

Test report no.: 70115009

Date, 2008-04-03

TÜV SÜD Product Service GmbH · Zertifizierstelle · Ridlerstrasse 65 · 80339 München · Germany

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Technical Data

Material:

Pipe joint Connection:	Malleable cast iron EN-G-JMB-350-10 acc. EN 1562 SG cast irons EN-GJS-450-10 acc. EN 1563
Binding screw:	Caseharding steel, organic zinc

Scope/requirements:

The permissible loads are based on tensile and bending tests with steel tube, with a minimum wall thickness 3,2 mm.

Starting torque of the set screw: 40 Nm

Safety factor: 2,0

Safety notes:

The permissible working load of the set screws, fixings and building materials must be considered when selecting the type of mounting for the flanges of guard railings.

Due to dynamic load influences screwed connections may loosen. The tight fit of all screw connections must be checked at regular intervals and tightened up if necessary. The interval depends on the respective use and must be laid down by the operator.

The permissible tensile loads are differentiated between straight attachment of the tube with one and/or two set screws and with diagonal attachment of the tube.

The following abbreviations are used in the table:

1 set screw, straight gripping of the tube:	1 ss-str-g-t.
2 set screws, straight gripping of the tube	2 ss-str-g-t.
Diagonal gripping of the tube:	diag.-g-t.

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type	size	max. bending load (KNm)	max. tensile load (axial) 1 ss-str-g-t. (KN)	2 ss-str-g-t. (KN)	diag.-g-t. (KN)
10	5-9	1,25	8,0	-	-
12	5-8	1,25	8,0	-	8,0
14	5-9	1,25	8,0	-	-
15	5-9	1,25	8,0	-	-
16	5-9	1,25	8,0/5,0	open gripping	
17	5-9	1,25	3,0	-	-
19	5-9	1,25	8,0/5,0	short gripping	(D-E, see catalogu
19-85	5-8	1,07	-	7,65	-
20	5-9	1,25	8,0	-	-
21	5-9	1,25	8,0	-	-
25	5-9	1,25	8,0	16,0	-
26	5-9	1,25	8,0	-	-
27	6-8	1,25	8,0	-	5,0
28	6-8	1,25	8,0	-	8,0
29	6-8	1,25	8,0	-	-
30	6-8	1,25	8,0	-	8,0
35	5-9	1,25	8,0	-	-
40	5-9	1,25	8,0	16,0	-
45	5-9	1,25	8,0	-	-
46	5-9	1,25	8,0	-	-
55	8	1,04	4,1	-	-
56	8	2,02	2,6	-	-
86	8	1,02	6,0	-	6,0
87	8	1,02	6,9	-	6,9
88	8	1,02	6,0	-	6,0
89	8	1,02	5,0	-	5,0
A10	7,8	0,38	6,7	-	-
A10 Type B	7	0,42	4,4	-	-
A10 Type B	8	0,73	3,5	-	-
A12	8	1,55	2,9	-	-
A21/A26	8	0,73	5,6	-	-
A35	8	1,09	7,8	-	-
A40	8	0,68	7,9	-	-
A45	7,8	0,50	6,1	-	-
A45/Type B	7	0,71	4,8	-	-
A45/Type B	8	0,80	4,8	-	-
BC53	8	-	5,9	-	-
F50	5-9	1,25	6,5	-	-
M50	5-9	1,25	8,0	-	-
M51	5-9	1,25	8,0	5	-
M52	5-8	1,25	8,0	-	-
114	6-8	1,25	8,0	-	8,0
121	7	1,25	8,0	-	-
145	7	1,25	8,0	16,0	-
M58	M58	1,25	8,0	-	-
60	5-8	1,25	8,0	-	-
61	5-9	1,25	8,0	-	-
62	5-9	1,25	-	16,0	-
S62	7, 8	1,25	-	10,5	-
63	6	1,25	-	-	5,0
64	6-8	0,90	-	16,0	-
65	6	0,40	-	16,0	-
67	8	1,25	-	10,5	-
68	6-8	1,25	-	16,0	-
69	6-8	1,25	-	8,0	-
70	5-8	0,40	8,0	-	-
75	5-8	-	8,0	-	-
115	6-8	1,25	-	10,0	-

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