



TEST REPORT NO.: 2004-08-DRAW

STATIC LOAD TESTING OF COUPLING DEVICE
IN ACCORDANCE WITH DIRECTIVE NO. 89/1173/EEC



COUPLING DEVICE, TYPE : BREDAL BALL HITCH, MODEL 6000

ENTRANT : MASKINFABRIKKEN BREDAL A/S
OVERGÅRDSVEJ 19, BREDAL
7120 VEJLE

DATE OF TEST : 8. JUNE 2004


NB: This report is not to be duplicated, except in full

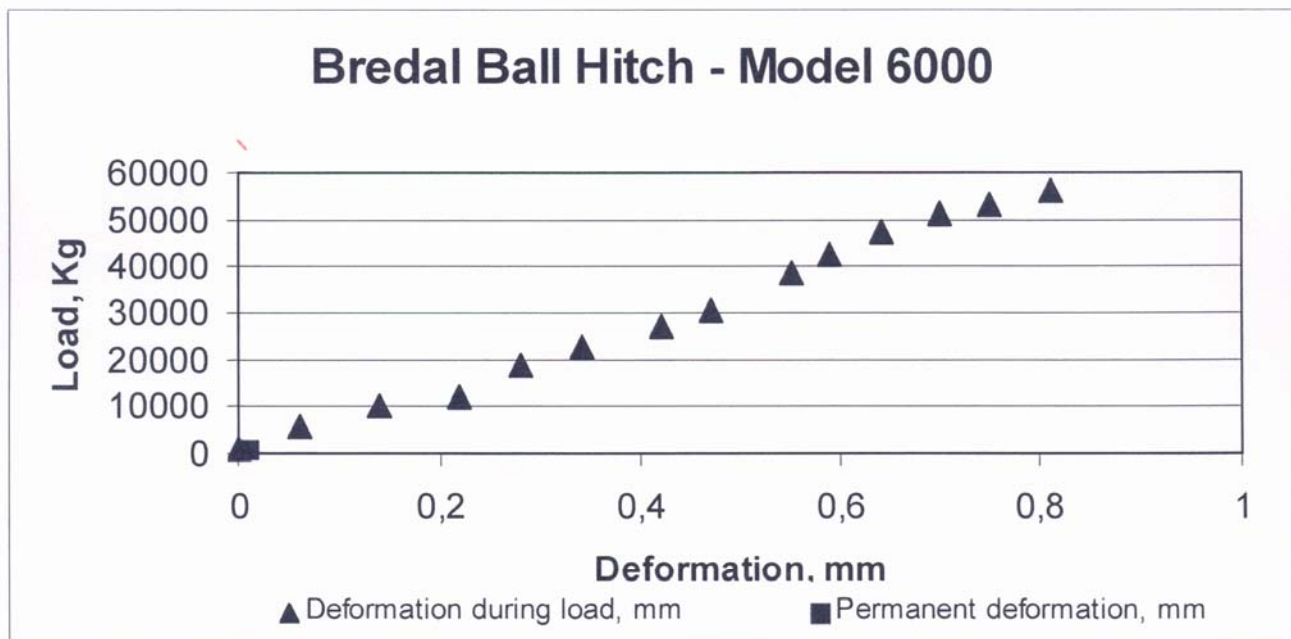
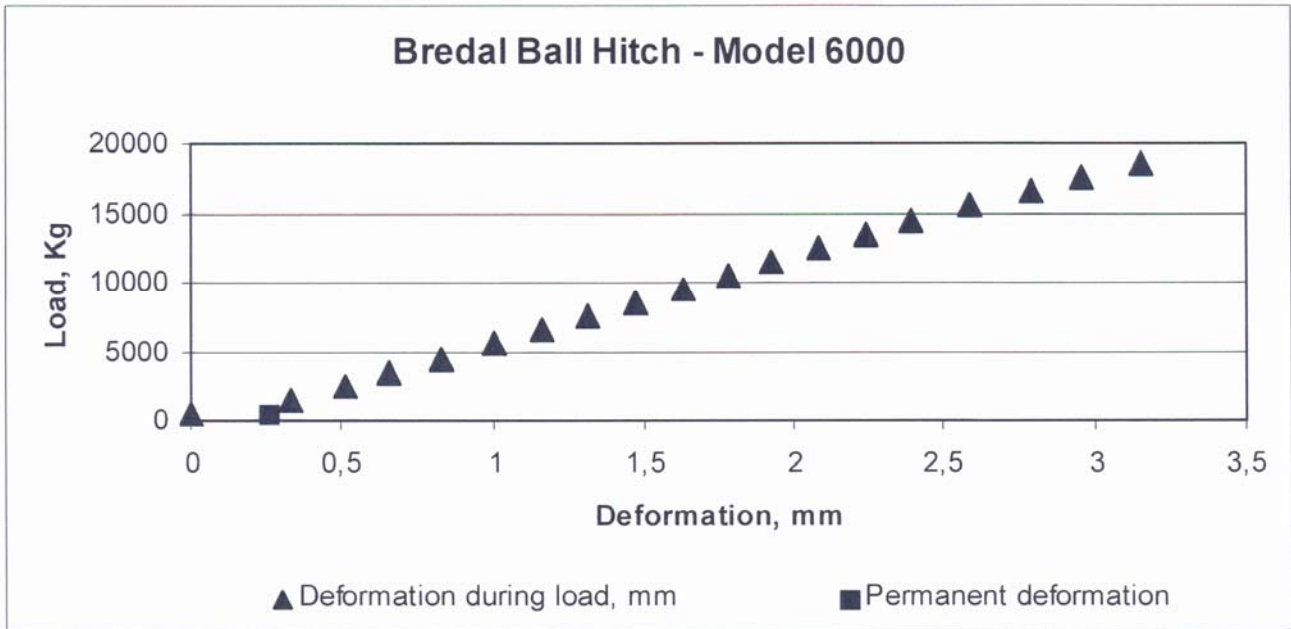
Test report No.: 2004-08-DRAWName and address of test laboratory: Research Centre Bygholm, DK-8700 Horsens

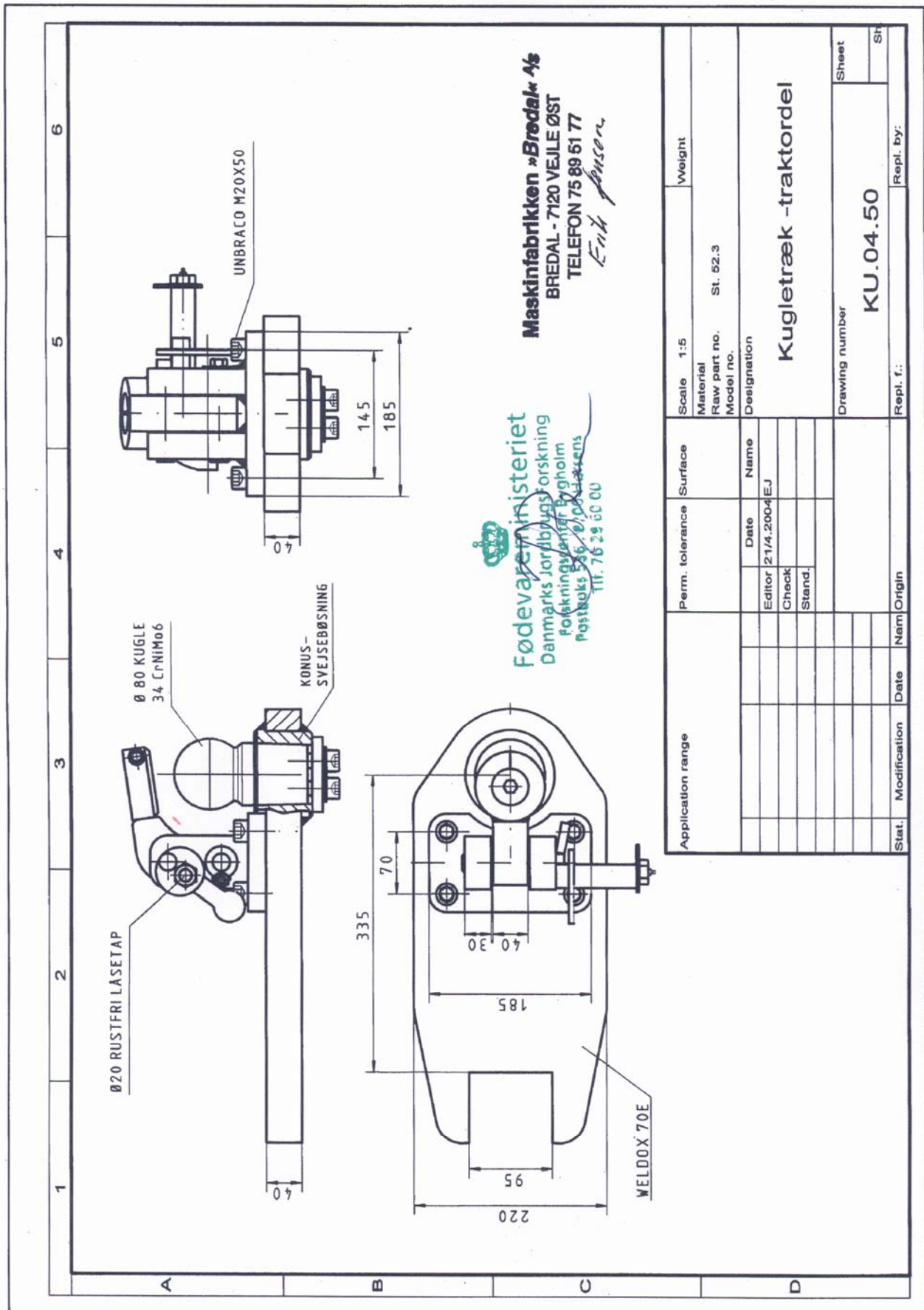
1. Coupling device, type: BREDAL Ball Hitch, type 6000
2. Name and address of manufacturer: Maskinfabrikken BREDAL, DK-7120 Vejle Ø
3. The coupling device was subjected to a static test.
4. Technically permissible trailer mass: _____ 35000 kg
5. Vertical load on the coupling point: _____ 6000 daN
6. **Minimum load requirement**
 - 6.1. Vertical load:
 - 6.1.1. Load: 18000 daN
 - 6.1.2. Permanent deformations must not exceed 10% of the maximum elastic deformation.
 - 6.2. Horizontal load:
 - 6.2.1. Load: 52500 daN
 - 6.2.2. Permanent deformations must not exceed 25% of the maximum elastic deformation.
7. **Test results**
 - 7.1. Vertical load:
 - 7.1.1. Maximum applied load: _____ 18500 daN
 - 7.1.2. Maximum elastic deformation: _____ 3,15 mm
 - Permanent deformation _____ 0,26 mm
 - Permanent deformation in relation to the maximum elastic deformation: _____ 8,25 %
 - 7.2. Horizontal load:
 - 7.2.1. Maximum applied load: _____ 56000 daN
 - 7.2.2. Maximum elastic deformation: _____ 0,75 mm
 - Permanent deformation: _____ 0,01 mm
 - Permanent deformation in relation to the maximum elastic deformation: _____ 1,3 %
8. Drawing Nos.: KU.04.6000, KU.04.50, KU.04.60
9. Load-deformation curve, page 3

Research Centre Bygholm
(Institution)

14 July, 2004
(Date)


Test Engineer

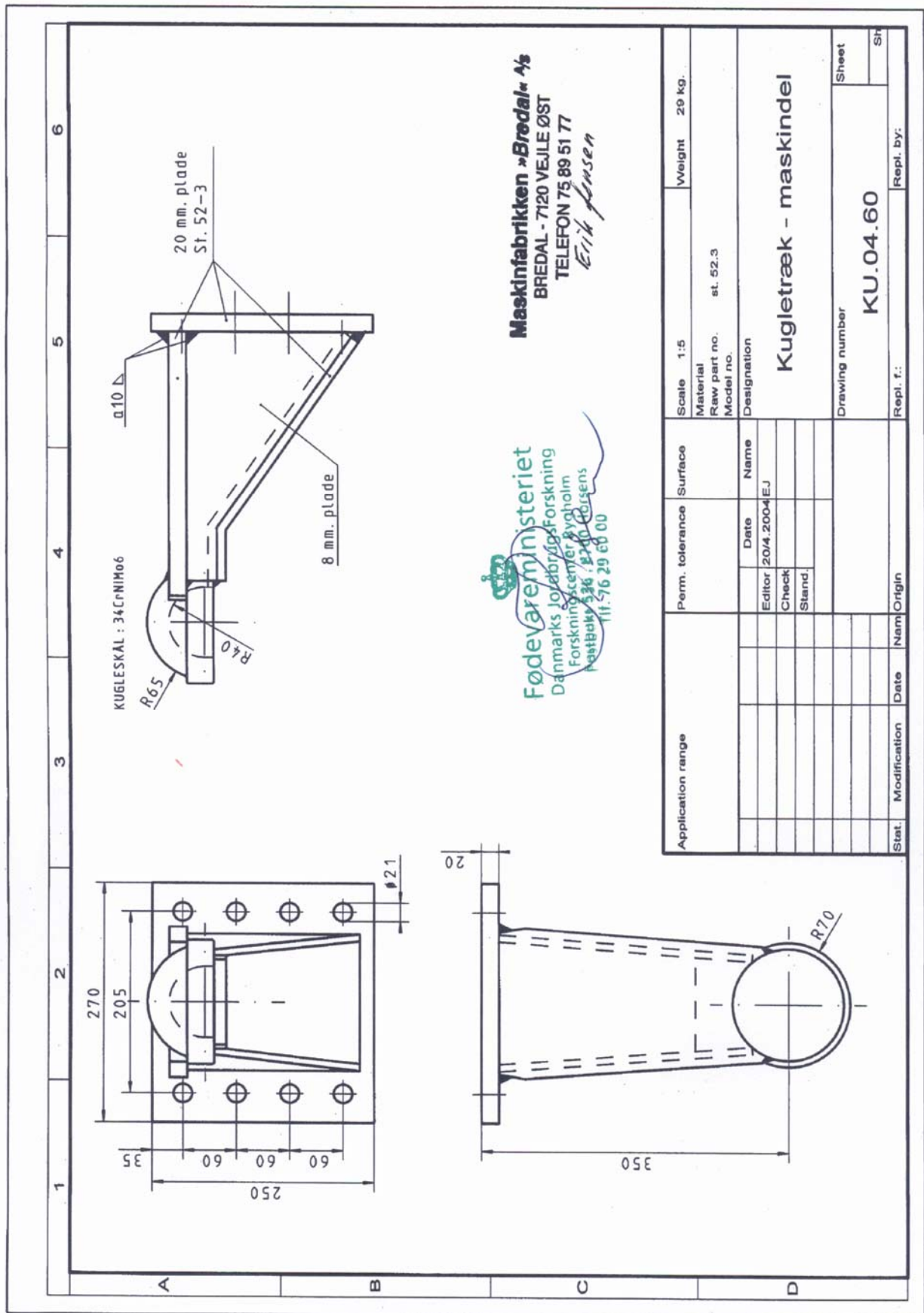




Maskinfabrikken »Bredal» A/s
 BREDAL - 7120 VEJLE ØST
 TELEFON 75 89 51 77
Erik Jensen

Fødevareministeriet
 Danmarks Jordbrugsforskning
 Poltekningen 1, Bgholm
 Postboks 536, Østparkens
 Tlf. 76 29 60 00

Application range		Scale 1:5	Weight
Perm. tolerance		Material	
Surface	Name	Raw part no. St. 52.3	
Date	Editor 21/4.2004/EJ	Model no.	
Check	Stand	Designation	Kugletræk - traktordei
		Drawing number	KU.04.50
		Sheet	5/6
Stat.	Modification	Date	Repl. by:



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Maskefabrikken »Bredal» A/s
 BREDAL - 7120 VEJLE ØST
 TELEFON 75 89 51 77
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Application range		Perm. tolerance	Surface	Scale	1:5	Weight	29 kg.
Editor		Date		Material	Raw part no.	Model no.	
20/4.2004		EJ		st. 52.3			
Check		Name		Designation			
Stand				Kugletræk - maskindel			
Stat.		Modification	Date	Drawing number		Sheet	
Nam/Origin				KU.04.60		SH	
Date		Repl. f.:		Repl. by:			