

SERVICE LETTER GE-U8
issued by Huss Maschinenfabrik
June 1991



MASCHINENFABRIK

MFB: HUSS
NAME: ALL RIDES
TYPE: N/A

Huss Maschinenfabrik GmbH & Co. KG - Postfach 110206, D-2800 Bremen

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To whom it may concern

Ihre Zeichen/Nachricht

Unser Zeichen

Telefon-Durchwahl / Kommission / Tag

Re.: Age / Height Restrictions

The imposed height restrictions in our manual are based on the German statistical information.

Enclosed is the North American statistics (supplied by the TUEV Munich), which results in the following approximate heights:

i.e. 6 years	-	approx. 46"
8 years	-	approx. 48"
10 years	-	approx. 51"
12 years	-	approx. 55"
14 years	-	approx. 60"

Bremen, June 11, 1991

Huss Maschinenfabrik
GmbH & Co. KG

Encl.

TUEV letter dated May 17, 1991
page 17 of "Textbook of Pediatrics" by Mitchell-Nelson

April 28, 1989



M E M O

Huss Maschinenfabriks answer to the frequently asked questions on testing of NDT (how often, what parts, what kind, etc.) is as follows:

All Huss rides, the design, stress analysis, and the rides themselves, have been approved by the german TUV in Munich. The TUV is a well known supervisory safety association in Germany.

The customers have to maintain their rides according to the manual. Rides in Germany are inspected once a year and it is up to the inspector to request additional testing, etc.

The United States and Canadian customers have the option of consulting the local inspector, one of the well known private safety inspectors, a Huss technician, or even the TUV inspector.

HUSS MASCHINENFABRIK
GMBH & CO. KG

HUSS

SERVICE LETTER GE-02
DECEMBER 23, 2988

RE: Manufacturer's Liability

Due to the liability insurance situation, and to a recent incident which ended in litigation, we want to make you aware that the manufacturer's liability might not be in effect if you do not use authorized service personnel and the manufacturer's recommended spare parts.

If you are in doubt or have any questions, please check with us by calling our office to speak to Don Hereth, Spare Parts Manager, or Henry Martin, Field Service Representative.

Regards,
North American Parts, Inc.

B. Peter Zwickau
President

BPZ:blp

**RETURN RECEIPT
REQUESTED**



SERVICE BULLETIN

EFFECTIVE SERIAL NUMBERS:

RIDE: All Rides

SUBJECT: Crowd Control

In conjunction with the safety features provided by the manufacturer, the following safety precautions must be observed by the owner/operator:

1. Inspect all entrance and exit constraints for installation and operation as per the manufacturer's specifications.
2. Inspect all entrances and exits for proper installation as per the manufacturer's specifications.
3. Affix safety warning signs and/or decals at all exits and/or entrances to warn persons of hazards. Size of signs and/or decals should be such that all wording is easily read.
4. All operators should be instructed on ride safety and the importance of crowd control around the ride. The safety items should include, but not be limited to, the following:
 - a. Securing of fencing to prevent persons from entering a hazardous or secured area.
 - b. Preventing persons from hanging over or sitting on the fence in a hazardous or secured area.
 - c. Be particularly observant of small children.
 - d. Be thoroughly instructed as to the function of all operating controls, including but not limited to, emergency procedures.
 - e. All ride personnel must stand clear of hazardous areas until the ride has come to a complete stop. These hazards include, but are not limited to, moving components of the ride.
5. Each ride should be staffed with adequately trained personnel to maintain a safe operation. The ride personnel must be aware of the entrance and exit areas at all times. The ride personnel must not allow persons to enter a hazardous or secured area.
6. Persons obviously intoxicated or under the influence of drugs will not be allowed access to the ride. All inspection and work must be performed by qualified personnel capable of understanding the function of the parts and their proper installation.
7. For further safety precautions see the manufacturer's manual.

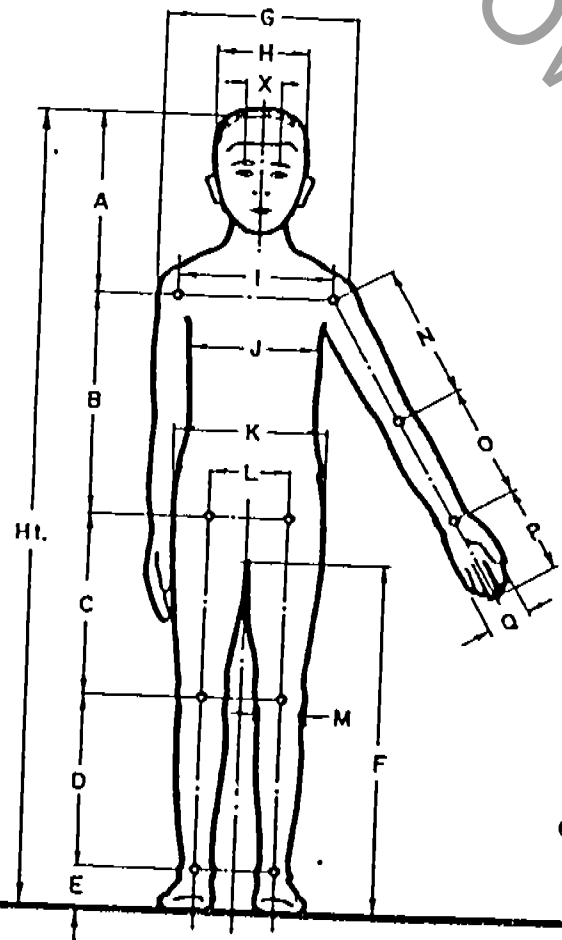


ANTHROPOMETRIC DATA - MALE AND FEMALE CHILDREN

top figure in box is data for boys, lower figure is for girls, and one figure applies to both.

Age	Ht.	Wt.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	θ	Φ	
17	68.2 63.6	138. 119.	12.2 11.5	20.7 19.7	16.3 15.1	15.6 14.4	3.4 3.	31.7 28.9	15.7 14.4	6. 5.8		13.2 12.1	12.9		3.7	12.3 11.5	10. 9.1	7.6 7.		35.3 33.5	31.3 29.5	17. 16.	7.3 7.6	5.2 5.	7.6 7.7		2.9 2.8	10.1 9.5			
16	67.3 63.5	132. 118.	11.8 11.3	20.5 19.8	16.2 14.9	15.5 14.5	3.3 3.	31.5 28.9	15.2 14.3	6. 5.8		12.9 12.1	12.7 12.8		3.7	12.2 11.7	9.9 9.1	7.6 7.		34.3 33.4	30.5 29.4	17. 15.5	7.6 7.3	5.2 5.	7.4 6.9		2.8 2.7	9.8 9.4	16"	27"	
15	65.6 63.2	122. 115.	11.1	20.1 19.7	15.9 14.9	15.2 14.5	3.3 3.	31. 28.9	14.7 14.2	5.9 5.8		12.4 11.9	12.3 12.7		3.7	11.9 11.5	9.7 9.	7.5 7.		33.4 33.	29.4 29.	16. 15.5	7.5 7.3	5.1 5.	7.2 6.8		2.7 2.7	9.5 9.3	15	25	
14	63. 62.3	109. 108.	10.8 11.	19.2 18.8	15.1 15.2	14.6 14.3	3.2 3.	29.7 28.5	14.1 14.	5.9 5.7	11.	11.6 11.4	11.6 12.3	5.6 3.6	3.6 11.4	9.3 11.	7.2 11.	9. 8.8	6.9 6.8	3.	32.1 32.4	28.1 28.4	16. 15.	7.4 7.3	5.1 5.	6.9 6.7	2.2 2.3	2.7 2.6	9.1 9.1	15	25
13	60.5 60.6	96. 100.	10. 10.2	17.9 19.	13.5 14.3	13.9 14.1	3.2 3.	28.5 28.2	13.5 13.6	5.8 5.7		11. 11.1	11. 11.8		3.5	10.7 11.		8.8 8.8	6.8		30.8 31.5	26.9 27.5	15.5 15.	7.4 7.2	5.1 5.	6.6 6.5	2.2 2.2	2.5 2.5	8.9	14	24
12	58.2 59.	86. 90.	10.8 10.6	17.1 17.9	13.9 14.3	13.3 13.5	3.1	27.3 27.4	13. 13.	5.8 5.7		10.6 10.7	10.6 11.2		3.4	10.3 10.6		8.4 8.5	6.6		29.9 30.3	25.9 26.3	14.5 14.7	7.3 7.2	5.1 4.9	6.4 6.3	2.2 2.2	2.5 2.5	8.6 8.5	14	24
11	56.2 56.5	77. 79.	10.6 10.4	16.6 16.8	13.3 13.4	12.7 12.9	3.	26.1 26.3	12.8 12.4	5.8 5.7	10.5	10.2 10.3	10.1 10.5	5.	3.3	9.9 10.		8.1 8.5	6.4	2.8	29.2 29.1	25.2 25.1	14. 14.4	7.3 7.1	5. 4.9	6.2 6.	2.2 2.2	2.5 2.4	8.4	13	22
10	54.3 54.2	71. 70.	10.6 10.4	15.8 15.8	12.7 12.3	12.2 12.3	2.9	25.1 25.	12.3 12.	5.8 5.6		9.9 10.	9.8 10.		3.2	9.5 10.		7.8 7.7	6.1		28.5 28.2	24.5 24.2	14. 13.	7.3 7.1	5. 4.9	6. 5.7	2.2 2.1	2.5 2.4	8.3	13	22
9	52.4 52.	64. 63.	10.7 10.3	15.1 15.1	12.2 12.1	11.6 11.7	2.8	23.9 23.8	11.8 11.5	5.7 5.6		9.5 9.5	9.1 9.5		3.1	9.1 9.1		7.4 7.3	5.9 5.8		27.7 27.4	23.7 23.4	13.5 13.	7.2 7.	5. 4.9	5.8 5.4	2.1 2.1	2.4 2.5	7.9 8.	12.5	20.5
8	50.4 50.	58. 57.	10.6 10.2	14.5 14.4	11.5 11.1	11.1 11.1	2.7	22.7 22.7	11.4 11.1	5.7 5.6	9.2	9.2 9.1	9.1 9.1	4.4 3.	3.	8.7 9.1		7.1 6.9	5.7 5.6	2.5	27. 26.6	23. 22.6	13. 12.5	7.2 7.	5. 4.9	5.7 5.4	2.1 2.1	2.4 2.5	7.7	11	18.5
7	48.2 47.9	53. 51.	10.7 10.3	13.6 13.6	10.8 10.9	10.5 10.5	2.6	21.5 21.4	10.9 10.7	5.7 5.5		8.8 8.8	8.7 8.8		2.9	8.2 8.2		6.8 6.6	5.4 5.3		26.1 25.7	22.1 21.7	12. 11.5	7.1 6.9	5. 4.8	5.5 5.4	2.1 2.1	2.4 2.5	7.4	11	18.5
6	46.1 45.8	48. 46.	10.8 10.4	12.7 12.7	10.3 10.3	9.8 9.9	2.5	20.2 20.2	10.4 10.2	5.6 5.5	8.5	8.5 8.4	8.3 8.4	4.1 2.8	2.8	7.6 7.6		6.1 6.2	5.1	2.3	25.4 25.	21.4 21.	11.6 11.	7.1 6.8	4.9 4.8	5.5 5.3	2. 2.	2.4 2.4	7.	11	18.5
5	43.9 43.6	43. 42.	10. 9.7	12.7 12.7	9.6 9.6	9.2 9.2	2.4	18.9 18.8	10.1 9.8	5.6 5.4		8.2 8.	8.1 8.1		2.7	7. 7.		6. 5.9	4.9 4.8		24.5 24.3	20.5 20.3	11. 10.	7. 6.8	4.9 4.8	5.4 5.2	2. 1.9	2.3 2.4	6.8 6.6	10	17.5
4	40.9	38. 37.	10.4 10.5	11.1 10.9	8.8 8.8	8.4 8.5	2.2	17.2	9.7 9.4	5.6 5.4		7.9 7.7	7.4 7.7		2.7 2.7	6.4 6.4		5.6 5.4	4.7 4.6		23.5 23.1	19.5 19.1	9.5 10.	6.9 6.7	4.8 4.8	5.2 4.8	1.9 1.8	2.3 2.2	6.6 6.5	10	17.5
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