

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ADDENDUM 1 TO ISO RECOMMENDATION R 1836

SHORT LINK CHAIN FOR LIFTING PURPOSES
GRADE 40 CALIBRATED LOAD CHAIN
FOR PULLEY BLOCKS AND OTHER LIFTING APPLIANCES

1st EDITION

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FOREWORD

Addendum 1 to ISO Recommendation R 1836-1971 was drawn up by Technical Committee ISO/TC 111, *Round steel link chains, chain wheels, lifting hooks and accessories*.

It was approved in January 1972 by the Member Bodies of the following countries :

Australia	Israel	South Africa, Rep. of
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INTRODUCTION

This Addendum is intended as an Appendix to ISO Recommendation R 1836 and lists 16 additional sizes of lifting chains, Grade 40* calibrated and polished for use as load chains in pulley blocks and similar appliances.

These 16 sizes are being appended to ISO Recommendation R 1836 to indicate how its general requirements could be applied to other sizes of chains in current use. The sizes have been added as a temporary measure as an aid to chain selection until the recommended sizes are in general international use.

APPENDIX

TABLE Z.1 – Temporary additional dimensions of Grade 40 calibrated chain
 (For symbols, see Fig. 1 and 2)

Dimensions in millimetres

(1) Nominal size d_n	(2) Diameter tolerance ($d - d_n$)	(3) Maximum additional weld dimensions (see Fig. 1)		(5) Preferred pitch (inside length) ($3d_n$)	(6) Pitch tolerance on the single link	(7) Preferred outside width, w ($3.25d_n$)	(8) Outside width tolerance (+ only)	
		$(d_w - d)$ max.	(asymm.) ($G - d$) max.				away from weld ($0.075d_n$)	extra at weld ($0.17d_n$)
6	+ 0.12 - 0.36	0.5	1.1	18.0	0.27	20	0.45	1.1
7	+ 0.14 - 0.42	0.6	1.2	21.0	0.30	23	0.53	1.2
8.7	+ 0.17 - 0.52	0.7	1.5	26.1	0.35	28	0.66	1.5
9.5	+ 0.19 - 0.57	0.8	1.7	28.5	0.38	31	0.72	1.7
10.3	+ 0.21 - 0.62	0.8	1.8	30.9	0.41	34	0.77	1.8
11	+ 0.22 - 0.66	0.9	1.9	33	0.44	36	0.83	1.9
12	+ 0.24 - 0.72	1.0	2.1	36	0.48	39	0.90	2.1
13	+ 0.26 - 0.78	1.0	2.3	39	0.52	42	0.98	2.3
13.5	+ 0.27 - 0.81	1.1	2.3	40.5	0.54	44	1.1	2.3
16.7	+ 0.33 - 1.00	1.3	2.9	50.1	0.67	54	1.3	2.4
19	± 0.95	1.5	3.3	57.0	0.76	62	1.5	3.3
20.6	± 1.0	1.7	3.5	61.8	0.82	67	1.6	3.5
25.4	± 1.3	2.1	4.4	76.5	1.0	83	2.0	4.4
30	± 1.5	2.4	5.1	90	1.2	97	2.3	5.1
41.3	± 2.1	3.3	7.1	124	1.7	134	3.1	7.1
46.0	± 2.3	3.7	7.9	138	1.9	150	3.5	7.9

* To be known in future as Grade M.