



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS B 1857-2 : 2022

(JBWA/JSA)

**Curvilinear toothed synchronous
belt drive systems for general power
transmission — Part 2: Pulley**

(Amendment 1)

JIS B 1857-2: 2015 was revised under date of 21 February 2022.
This Amendment includes the revised items and is to be used
in conjunction with **JIS B 1857-2: 2015**.

ICS 21.220.10

Reference number : JIS B 1857-2 : 2022 (E)

PROTECTED BY COPYRIGHT

Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Act. This Amendment partially replaces the previous edition (**JIS B 1857-2 : 2015**), which has been technically revised.

Date of Establishment: 2001-12-20

Date of Revision: 2022-02-21

Date of Public Notice in Official Gazette: 2022-02-21

Investigated by: Japanese Industrial Standards Committee
Standards Board for ISO area

JIS B 1857-2 : 2022, First English edition published in 2023-02

Translated and published by: Japanese Standards Association
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

© JSA 2023

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Printed in Japan

SW

Curvilinear toothed synchronous belt drive systems for general power transmission — Part 2: Pulley (Amendment 1)

Introduction This Amendment has been prepared based on ISO 13050 : 2014, Edition 2, with some modification of the technical contents.

The dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

JIS B 1857-2 : 2015 is revised as follows.

6.3.3

Replace Table 14 with the following:

Table 14 Pitch diameter and outside diameter

Unit: mm

Number of teeth	Profile							
	S3M		S5M		S8M		S14M	
	Pitch diameter	Outside diameter	Pitch diameter	Outside diameter	Pitch diameter	Outside diameter	Pitch diameter	Outside diameter
14	13.37	12.61	22.28	21.32	—	—	—	—
15	14.32	13.56	23.87	22.91	—	—	—	—
16	15.28	14.52	25.46	24.50	—	—	—	—
18	17.19	16.43	28.65	27.69	—	—	—	—
20	19.10	18.34	31.83	30.87	—	—	—	—
21	20.05	19.29	33.42	32.46	—	—	—	—
22	21.01	20.25	35.01	34.05	56.02	54.65	—	—
24	22.92	22.16	38.20	37.24	61.12	59.74	—	—
26	24.83	24.07	41.38	40.42	66.21	64.84	—	—
28	26.74	25.98	44.56	43.60	71.30	69.93	124.78	121.98
29	27.69	26.93	46.15	45.19	—	—	129.23	126.44
30	28.65	27.89	47.75	46.79	76.39	75.02	133.69	130.90
32	30.56	29.80	50.93	49.94	81.49	80.12	142.60	139.81
34	32.47	31.71	54.11	53.15	86.58	85.21	151.52	148.72
36	34.38	33.62	57.30	56.34	91.67	90.30	160.43	157.68
38	36.29	35.53	60.48	59.52	96.77	95.39	169.34	166.55
40	38.20	37.44	63.66	62.70	101.86	100.49	178.25	175.46
44	42.02	41.25	70.03	69.07	112.05	110.67	196.08	193.28
48	45.84	45.07	76.39	75.43	122.23	120.86	213.73	211.11
52	49.66	48.89	82.76	81.80	—	—	231.90	228.94
56	53.48	52.71	89.13	88.17	142.60	141.23	249.55	246.76