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(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)

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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.

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In the event of any doubts arising as to the contents,
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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	<u>21.32</u>	—	—	—	—
15	14.32	13.56	23.87	22.91	—	—	—	—
16	<u>15.28</u>	<u>14.52</u>	<u>25.46</u>	<u>24.50</u>	—	—	—	—
18	17.19	16.43	<u>28.65</u>	<u>27.69</u>	—	—	—	—
20	19.10	18.34	<u>31.83</u>	<u>30.87</u>	—	—	—	—
21	<u>20.05</u>	<u>19.29</u>	<u>33.42</u>	<u>32.46</u>	—	—	—	—
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	<u>24.83</u>	<u>24.07</u>	<u>41.38</u>	<u>40.42</u>	66.21	64.84	—	—
28	<u>26.74</u>	<u>25.98</u>	<u>44.56</u>	<u>43.60</u>	71.30	69.93	124.78	121.98
29	<u>27.69</u>	<u>26.93</u>	<u>46.15</u>	<u>45.19</u>	—	—	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	<u>53.15</u>	86.58	85.21	151.52	148.72
36	<u>34.38</u>	<u>33.62</u>	<u>57.30</u>	<u>56.34</u>	91.67	90.30	160.43	157.68
38	<u>36.29</u>	<u>35.53</u>	<u>60.48</u>	<u>59.52</u>	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	<u>45.84</u>	<u>45.07</u>	76.39	<u>75.43</u>	122.23	120.86	213.73	211.11
52	<u>49.66</u>	<u>48.89</u>	<u>82.76</u>	<u>81.80</u>	—	—	231.90	228.94
56	<u>53.48</u>	<u>52.71</u>	<u>89.13</u>	<u>88.17</u>	142.60	141.23	249.55	246.76