

INTERNATIONAL STANDARD



22

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Flat transmission belts and corresponding pulleys — Widths

Courroies plates de transmission et poulies correspondantes — Largeurs

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FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up has the right to be represented on that Committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

Prior to 1972, the results of the work of the Technical Committees were published as ISO Recommendations; these documents are now in the process of being transformed into International Standards. As part of this process, Technical Committee ISO/TC 41 has reviewed ISO Recommendation R 22 and found it technically suitable for transformation. International Standard ISO 22 therefore replaces ISO Recommendation R 22-1956 to which it is technically identical.

ISO Recommendation R 22 was approved by the Member Bodies of the following countries :

Austria	France	Pakistan
Belgium	Germany	Portugal
Bulgaria	Ireland	South Africa, Rep. of
Chile	Italy	Spain
Czechoslovakia	Japan	Switzerland
Denmark	Mexico	U.S.S.R.
Finland	Netherlands	Yugoslavia

The Member Bodies of the following countries expressed disapproval of the Recommendation on technical grounds :

India*
United Kingdom

No Member Body disapproved the transformation of ISO/R 22 into an International Standard.

* Subsequently, this Member Body approved the Recommendation.

Flat transmission belts and corresponding pulleys – Widths

1 SCOPE AND FIELD OF APPLICATION

This International Standard lays down the widths of flat transmission belts and of the corresponding pulleys, and also the tolerances on widths, without regard to the constituent materials of such belts and pulleys.

2 WIDTHS

BELTS				PULLEYS			
Widths		Tolerances		Widths		Tolerances	
mm	in	mm	in	mm	in	mm	in
16	0.63			20	0.8		
20	0.8			25	1		
25	1			32	1.25		
32	1.25	± 2	± 0.08	40	1.6	± 1	± 0.04
40	1.6			50	2		
50	2			63	2.5		
63	2.5			71	2.8		
71	2.8			80	3.15		
80	3.15			90	3.55		
90	3.55			100	4		
100	4	± 3	± 0.12	112	4.5	± 1.5	± 0.06
112	4.5			125	5		
125	5			140	5.6		
140	5.6			160	6.3		
160	6.3			180	7.1		
180	7.1			200	8		
200	8	± 4	± 0.16	224	9	± 2	± 0.08
224	9			250	10		
250	10			280	11.2		
280	11.2			315	12.5		
315	12.5			355	14		
355	14			400	16		
400	16	± 5	± 0.20	450	18	± 3	± 0.12
450	18			500	20		
500	20			560	22.4		
				630	25.0		

1) If, for any technical reason, it is preferable to use a wider pulley for a particular belt – as frequently occurs with the narrower belts – such a pulley can be chosen from series of pulleys given in the above table.