

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

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ISO RECOMMENDATION R 1395

SHORT PITCH TRANSMISSION
PRECISION BUSH CHAINS AND CHAIN WHEELS

1st EDITION

August 1970

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BRIEF HISTORY

The ISO Recommendation R 1395, *Short pitch transmission precision bush chains and chain wheels*, was drawn up by Technical Committee ISO/TC 100, *Chains and chain wheels for power transmission and conveyors*, the Secretariat of which is held by the British Standards Institution (BSI).

Work on this question led to the adoption of Draft ISO Recommendation No. 1395, which was circulated to all the ISO Member Bodies for enquiry in November 1967. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Austria	Greece	Sweden
Belgium	India	Switzerland
Brazil	Israel	Thailand
Czechoslovakia	Italy	Turkey
Chile	Japan	United Kingdom
Finland	Korea, Rep. of	Yugoslavia
France	Romania	
Germany	South Africa, Rep. of	

The following Member Bodies opposed the approval of the Draft :

U.S.A.
U.S.S.R.

This Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided to accept it as an ISO RECOMMENDATION.

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SHORT PITCH TRANSMISSION

PRECISION BUSH CHAINS AND CHAIN WHEELS

1. SCOPE

This ISO Recommendation applies to short pitch precision bush chains of simple and multiplex construction suitable for the mechanical transmission of power and allied applications, together with the tooth gap forms and rim profiles of their associated chain wheels. It covers dimensions, tolerances, measuring loads and minimum breaking loads.

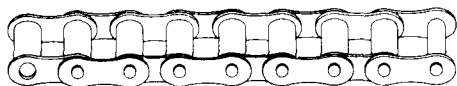
It includes chains of two pitches only, namely 0.25 in (6.35 mm) and 0.375 in (9.525 mm).

The dimensions of chains specified ensure complete interchangeability of any given size and provide interchangeability of individual links of chains for repair purposes.

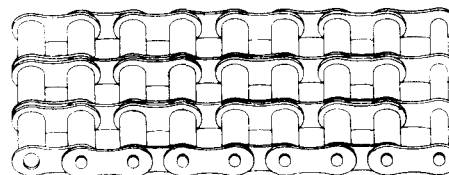
2. CHAINS

2.1 Nomenclature

The illustrations shown in this clause and in the Key to Tables 1 and 1M do not define the actual form of the chain plates. Dimensional definitions are contained in the Key (page 9) to Tables 1 and 1M.



Bush chain, simple



Bush chain, multiple (triplex)