

ISO 606:2015-08 (E)

Short-pitch transmission precision roller and bush chains, attachments and associated chain sprockets

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Chains	2
3.1	Nomenclature of assemblies and components	2
3.2	Designation	4
3.3	Dimensions	4
3.4	Performance requirements	6
3.4.1	General	6
3.4.2	Tensile testing	7
3.4.3	Preloading	7
3.4.4	Length validation	7
3.4.5	Dynamic testing	7
3.5	Marking	8
3.6	Cranked links	8
4	Attachments	12
4.1	Nomenclature	12
4.2	General	13
4.3	Designation	13
4.4	Dimensions	14
4.5	Manufacture	14
4.6	Marking	14
5	Chain sprockets	16
5.1	General	16
5.2	Nomenclature	16
5.3	Diametral dimensions of sprocket rim	19
5.3.1	Nomenclature	19
5.3.2	Dimensions	19
5.4	Sprocket tooth gap forms	20
5.4.1	Nomenclature	20
5.4.2	Dimensions	20
5.5	Tooth heights and tip diameters	21
5.5.1	Nomenclature	21
5.5.2	Dimensions	21
5.6	Sprocket rim profiles	22
5.6.1	Nomenclature	22
5.6.2	Dimensions	22
5.7	Radial run-out	22
5.8	Axial run-out (wobble)	23
5.9	Pitch accuracy of sprocket teeth	23
5.10	Number of teeth	23
5.11	Bore tolerance	23
5.12	Marking	23

Annex A (normative) Pitch circle diameters	24
Annex B (informative) Equivalent chain designations	26
Annex C (informative) Method of calculating chain minimum dynamic strength	27
Annex D (informative) Method of determining maximum test force F_{max} when conducting dynamic strength conformance test	30
Annex E (informative) Examples of methods used to avoid an excessive increase in the rate of stress during the tensile test	31
Annex F (informative) Methods used to approximate the minimum dynamic test values for multiplex chains	34
Bibliography	35