

DIN ISO 606:2018-02 (E)

Short-pitch transmission precision roller and bush chains, attachments and associated chain sprockets (ISO 606:2015)

Contents	Page
National foreword	4
National Annex NA (informative) Bibliography	6
National Annex NB (informative) Rectification with respect to ISO 6006:2015	7
Foreword	8
Introduction	9
1 Scope	10
2 Normative references	10
3 Chains	11
3.1 Nomenclature of assemblies and components	11
3.2 Designation	13
3.3 Dimensions	13
3.4 Performance requirements	15
3.4.1 General	15
3.4.2 Tensile testing	16
3.4.3 Preloading	16
3.4.4 Length validation	16
3.4.5 Dynamic testing	16
3.5 Marking	17
3.6 Cranked links	17
4 Attachments	21
4.1 Nomenclature	21
4.2 General	22
4.3 Designation	22
4.4 Dimensions	23
4.5 Manufacture	23
4.6 Marking	23
5 Chain sprockets	25
5.1 General	25
5.2 Nomenclature	25
5.3 Diametral dimensions of sprocket rim	28
5.3.1 Nomenclature	28
5.3.2 Dimensions	28
5.4 Sprocket tooth gap forms	29
5.4.1 Nomenclature	29
5.4.2 Dimensions	29
5.5 Tooth heights and tip diameters	30
5.5.1 Nomenclature	30
5.5.2 Dimensions	30
5.6 Sprocket rim profiles	31
5.6.1 Nomenclature	31
5.6.2 Dimensions	31
5.7 Radial run-out	31
5.8 Axial run-out (wobble)	32
5.9 Pitch accuracy of sprocket teeth	32
5.10 Number of teeth	32
5.11 Bore tolerance	32
5.12 Marking	32

Annex A (normative) Pitch circle diameters	33
Annex B (informative) Equivalent chain designations	35
Annex C (informative) Method of calculating chain minimum dynamic strength	36
Annex D (informative) Method of determining maximum test force $F_{\max}$ when conducting dynamic strength conformance test	39
Annex E (informative) Examples of methods used to avoid an excessive increase in the rate of stress during the tensile test	40
Annex F (informative) Methods used to approximate the minimum dynamic test values for multiplex chains	43
Bibliography	44