

ISO 10823:2004-02 (E)

Guidelines for the selection of roller chain drives

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Symbols	1
4	Basic equations	1
4.1	Input power	1
4.2	Corrected power	1
5	Drive design specifications	2
6	Sprocket selection	3
7	Chain calculations and selection	3
7.1	Normal operating conditions and drive capacities for chains	3
7.2	Correction for other operating conditions for chains	7
7.3	Chain selection	9
7.4	Chain length	9
7.5	Chain speed	9
8	Maximum sprocket centre distance	10
9	Lubrication	11
9.1	Methods of lubrication	11
9.2	Oil viscosity	12
10	Good practice in drive design	12
10.1	Sprocket centre distance	12
10.2	Chain adjustment	14
10.3	Idlers	14
10.4	Drive layout	15
Annex A (informative) Example of chain drive selection		16
Annex B (informative) Power rating equations		19