

DIN 8191:2022-03 (E)

Tooth form for chain sprockets for inverted tooth chains complying with DIN 8190 - Dimensions of profile

Contents	Page
Foreword	3
1 Scope	5
2 Normative references	5
3 Terms and definitions.....	5
4 Symbols	5
5 Dimensions, designation.....	6
6 Calculation of the gearing dimensions, dimensions of the cutter basic rack tooth profile	8
7 Gearing tolerances.....	12
8 Material	12
9 Sprocket bore	12
10 Marking	12
Bibliography	13

Figures

Figure 1 — Type A sprocket for a tooth chain with outer guide	7
Figure 2 — Type B sprocket for a tooth chain with inner guide	7
Figure 3 — Gearing dimensions	8

Tables

Table 1 — Gearing width b_A	7
Table 2 — Gearing width b_B	7
Table 3 — Dimensions of the tooth width profile	8
Table 4 — Auxiliary parameters.....	9
Table 5 — Tip diameter d_a and base tangent length W	10