

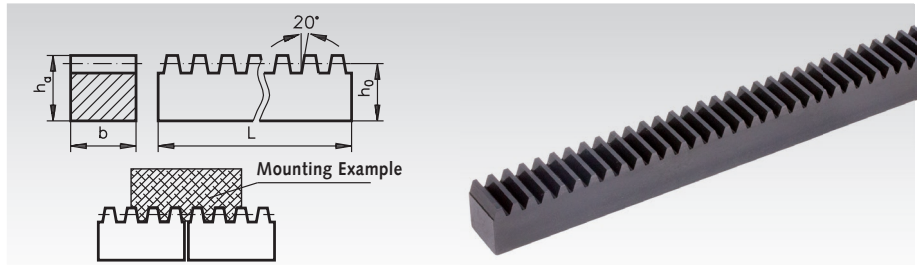
Gear Racks Made from Steel C45, Milled Teeth, Straight Tooth System, Economy-Line

Material: Steel C45, black oxide finish.

Tooth quality 9.

Pressure angle 20°.

From module 2.5 cut for continuous linking.



Ordering Details: e.g.: Product No. 224 116 08, Gear Rack, C45, Module 1, 1000 mm

	Product No.	Tooth Width b mm	Overall Height h _a mm	h ₀ mm	Nominal Length L mm	Effective Length mm	Weight kg
Module 1.0	224 116 08	10	10	9,0	1000	-	0,68
	224 116 09	10	10	9,0	2000	-	1,36
	224 116 12	15	15	14,0	1000	-	1,61
	224 116 19	15	15	14,0	2000	-	3,32
Module 1.5	228 116 05	15	15	13,5	1000	-	1,54
	228 116 09	15	15	13,5	2000	-	3,09
	228 116 12	17	17	15,5	1000	-	2,05
	228 116 19	17	17	15,5	2000	-	4,10
Module 2.0	241 116 05	20	20	18,0	1000	1005 -1	2,77
	241 116 09	20	20	18,0	2000	2004 -1,5	5,54
Module 2.5	242 116 05	25	25	22,5	1000	1005 -1	4,35
	242 116 09	25	25	22,5	2000	2002,5 -1,5	8,70
Module 3.0	243 116 05	30	30	27,0	1000	1008 -1,5	6,27
	243 116 09	30	30	27,0	2000	2007 -1,5	12,54
Module 4.0	244 116 05	40	40	36,0	1000	1005 -1,5	11,10
	244 116 09	40	40	36,0	2000	2010 -1,5	22,20
Module 5.0	245 116 05	50	50	45,0	1000	1005 -1,5	17,50
	245 116 09	50	50	45,0	2000	2010 -1,5	35,00
Module 6.0	246 116 05	60	60	54,0	1000	998 -1,5	24,60
	246 116 09	60	60	54,0	2000	1997 -1,5	49,20

Gear Racks Made from Bright Steel C45K, Teeth Milled and Induction Hardened

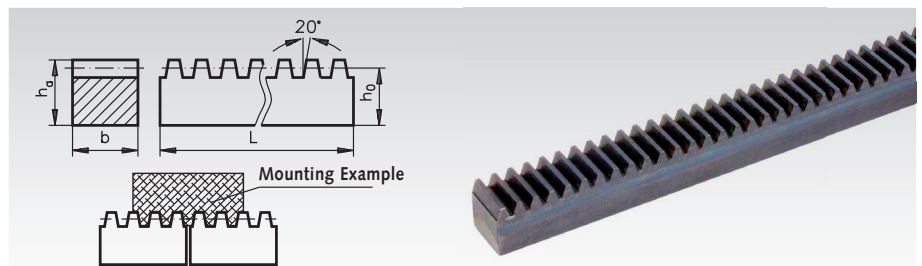
Milled, quality 8.

Tooth area induction hardened, 54 + 4 HRC.

The hardening sets the tooth quality to 10-11.

Pressure angle 20°.

The gear racks are **cut for continuous linking**. The teeth of the gear racks are not cut to join edge-to-edge, which leads to minor gaps when mounting. These gaps do, however, not cause any problems for the gears rolling across.



The teeth on the gear racks are manufactured using an overhead milling cutter. This leads to negative tolerances. Dimensions h_a and h₀ at module 2 -0.2 mm, module 3-4 -0.3 mm, module 5-6 -0.4 mm

Ordering Details: e.g.: Product No. 241 886 05, Gear Rack, Module 2.0, 1000mm, hardened

Teeth cut with reference profile (RP) II in accordance with DIN 867/DIN 3972. Rounded edge.

	Product No.	Tooth Width b mm	Overall Height h _a mm	h ₀ mm	Nominal Length L mm	Effective Length mm	Weight kg
Module 2.0	241 886 05	20	20	18,0	1000	1005,0 - 1	2,77
	241 886 09	20	20	18,0	2000	2004,0 - 1,5	5,50
Module 2.5	242 886 05	25	25	22,5	1000	1005,0 - 1,	4,31
	242 886 09	25	25	22,5	2000	2002,5 - 1,5	8,61
Module 3.0	243 886 05	30	30	27,0	1000	1008,0 - 1,5	6,27
	243 886 09	30	30	27,0	2000	2007,0 - 1,5	12,43
Module 4.0	244 886 05	40	40	36,0	1000	1005,0 - 1,5	11,14
	244 886 09	40	40	36,0	2000	2010,0 - 1,5	22,5
Module 5.0	245 886 05	50	50	45,0	1000	1005,0 - 1,5	17,5
	245 886 09	50	50	45,0	2000	2010,0 - 1,5	35,0
Module 6.0	246 886 05	60	60	54,0	1000	998,5 - 1,5	25,0
	246 886 09	60	60	54,0	2000	1997,5 - 1,5	50,0