

Gear Racks Made from Specially Treated Bright Steel C45KG, Milled Teeth, Straight Tooth System

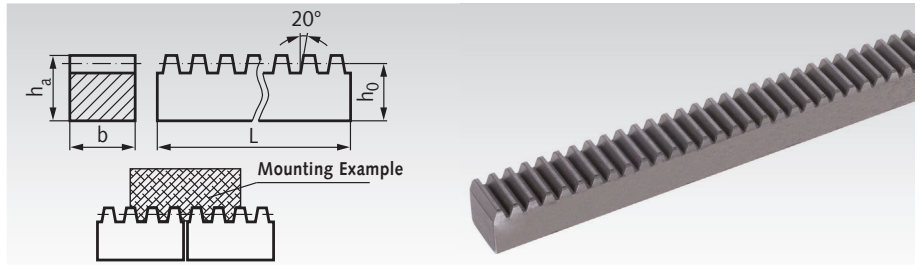
Tooth quality 8d25
modelled on DIN 3962, 3967, 3968.
Pressure angle 20°. Precisely Straightened.
Cross-section tolerance $h_{11} = -1/10$ to $2/10$ depending on size.

All gear racks from **module 2**, except for **nominal length 500 mm**, are cut off 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.

Total pitch error page 263.

Ordering Details: e.g.: Product No. 224 603 00, Gear Rack, C45KG, Module 1, 250 mm.



The teeth on the gear racks are manufactured using an overhead milling cutter. This leads to negative tolerances. Dimensions h_a and h_0 up to module 2 -0.2 mm, module 2.5-4 -0.3 mm, module 5-8 -0.4 mm, module 10 -0.5 mm

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

Rounded edge at square bar of 15 up to 60 mm.

Chamfered edge at square bar of 80 up to 100 mm.

	Product No.	Tooth Width b mm	Overall Height h_a mm	h_0 mm	Nominal Length L mm	Effective Length mm	Weight kg
* Key Steel.							
** St37K.							
Module 0.5*	221 601 00	4	6	5,5	250	-	0,04
Module 0.7**	222 601 00	5	7	6,3	250	-	0,06
Module 1**	223 601 00	7	5	4,0	250	-	0,05
Module 1	224 603 00	10	10	9,0	250	-	0,17
	224 605 00	10	10	9,0	500	-	0,34
	224 608 00	10	10	9,0	1000	-	0,68
	224 610 00	15	15	14,0	500	-	0,81
	224 612 00	15	15	14,0	1000	-	1,61
Module 1.25	226 601 00	10	10	8,75	250	-	0,16
	226 603 00	10	10	8,75	500	-	0,33
	226 605 00	10	10	8,75	1000	-	0,66
Module 1.5	227 601 00	10	10	8,5	500	-	0,32
	227 605 00	10	10	8,5	1000	-	0,63
	228 601 00	15	10	8,5	1000	-	0,95
	228 603 00	15	15	13,5	500	-	0,77
	228 605 00	15	15	13,5	1000	-	1,54
	228 607 00	15	15	13,5	1500	-	2,33
Module 2	241 601 00	16	20	18,0	1000	1005,0 - 1	2,22
	241 603 00	20	20	18,0	500	-	1,38
	241 605 00	20	20	18,0	1000	1005,0 - 1	2,77
	241 607 00	20	20	18,0	1500	1501,0 - 1	4,12
	241 609 00	20	20	18,0	2000	2004,0 - 1,5	5,50
Module 2.5	242 601 00	20	25	22,5	1000	1005,0 - 1	3,47
	242 603 00	25	25	22,5	500	-	2,17
	242 605 00	25	25	22,5	1000	1005,0 - 1	4,31
	242 607 00	25	25	22,5	1500	1507,5 - 1	6,46
	242 609 00	25	25	22,5	2000	2002,5 - 1,5	8,61
Module 3	243 601 00	25	30	27,0	1000	1008,0 - 1,5	5,24
	243 603 00	30	30	27,0	500	-	3,17
	243 605 00	30	30	27,0	1000	1008,0 - 1,5	6,27
	243 607 00	30	30	27,0	1500	1507,5 - 1,5	9,33
	243 609 00	30	30	27,0	2000	2007,0 - 1,5	12,43
Module 4	244 601 00	30	40	36,0	1000	1005,0 - 1,5	8,43
	244 603 00	40	40	36,0	500	-	5,55
	244 605 00	40	40	36,0	1000	1005,0 - 1,5	11,14
	244 607 00	40	40	36,0	1500	1507,5 - 1	16,50
	244 609 00	40	40	36,0	2000	2010,0 - 1,5	22,50
Module 5	245 601 00	40	50	45,0	1000	1005,0 - 1,5	14,00
	245 603 00	50	50	45,0	500	-	8,50
	245 605 00	50	50	45,0	1000	1005,0 - 1,5	17,50
	245 607 00	50	50	45,0	1500	1507,5 - 1,5	26,00
	245 609 00	50	50	45,0	2000	2010,0 - 1,5	35,00
Module 6	246 601 00	60	60	54,0	500	-	12,50
	246 603 00	60	60	54,0	1000	998,5 - 1,5	25,00
	246 605 00	60	60	54,0	1500	1507,5 - 1,5	37,50
	246 607 00	60	60	54,0	2000	1997,5 - 1,5	50,00
Module 8	248 601 00	80	80	72,0	1000	1005,0 - 1,5	44,00
	248 603 00	80	80	72,0	1500	1507,0 - 1,5	66,00
Module 10	249 603 00	100	100	90,0	1000	1005,3 - 2	70
	249 605 00	100	100	90,0	1500	1508,0 - 2	105