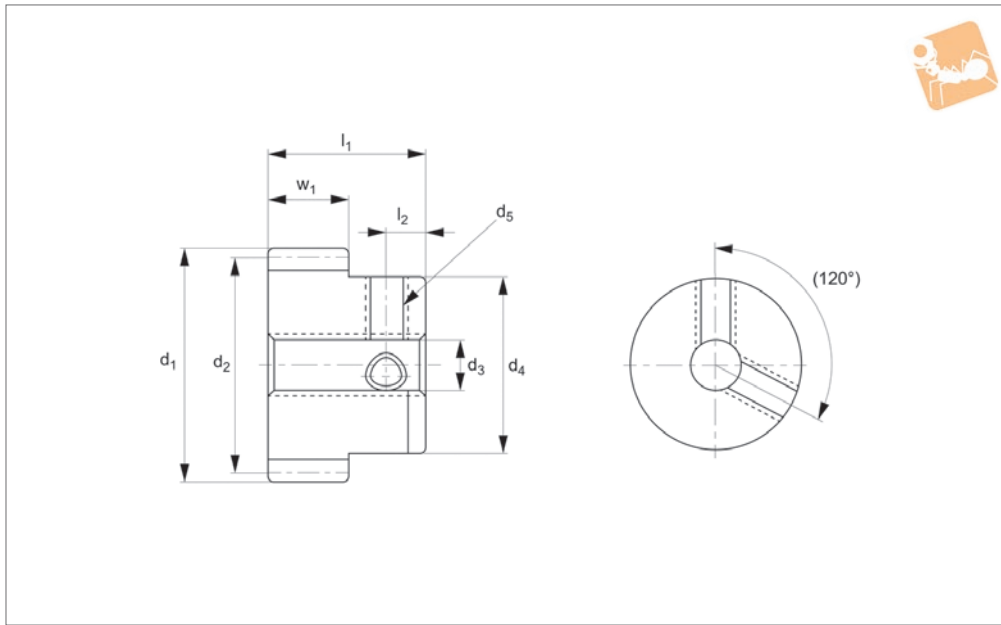




# Spur Gears - Module 1

stainless steel - 17-120 teeth



**R5165**

STANDARD SPUR GEARS

### Material

Stainless steel (SUS 304, JIS G 4303).  
Accuracy to JIS B 1702-1 (ISO) class 9.

### Technical Notes

20° pressure angle, full depth tooth.  
Amount of backlash when assembling

gears = 0,06 - 0,12mm.

### Tips

For stainless steel module 1 gears with 14-16 teeth, see R5163.  
Max. allowable torque (Nm) is based on standard operating conditions (see tech-

nical pages) with a safety factor of 1.2. For non standard applications apply a suitable safety factor depending on frequency of use, type of working etc.

Order No.	Module	No. of teeth z	Pitch dia. d <sub>1</sub>	d <sub>2</sub>	w <sub>1</sub>	d <sub>3</sub> tol. H8	d <sub>4</sub>	l <sub>1</sub>	l <sub>2</sub>	Thread d <sub>5</sub>	Torque Nm max.	Weight g
R5165.100-017-08	m 1	17	17	19	8	6	14	16	4	2xM 4	2.31	19.9
R5165.100-018-08	m 1	18	18	20	8	6	14	16	4	2xM 4	2.53	21.7
R5165.100-018-10	m 1	18	18	20	10	6	14	20	4	2xM 4	3.16	27.2
R5165.100-020-08	m 1	20	20	22	8	6	16	16	4	2xM 4	2.97	28.3
R5165.100-020-10	m 1	20	20	22	10	6	16	20	4	2xM 4	3.71	35.5
R5165.100-021-08	m 1	21	21	23	8	6	18	16	4	2xM 4	3.19	33.5
R5165.100-022-08	m 1	22	22	24	8	6	18	16	4	2xM 4	3.41	35.7
R5165.100-024-08	m 1	24	24	26	8	6	18	16	4	2xM 4	3.87	40.3
R5165.100-024-10	m 1	24	24	26	10	6	18	20	4	2xM 4	4.84	50.6
R5165.100-025-08	m 1	25	25	27	8	6	18	16	4	2xM 4	4.10	42.7
R5165.100-025-10	m 1	25	25	27	10	6	20	20	4	2xM 4	5.12	58.2
R5165.100-026-08	m 1	26	26	28	8	6	20	16	4	2xM 4	4.33	48.9
R5165.100-028-08	m 1	28	28	30	8	6	20	16	4	2xM 4	4.80	54.2
R5165.100-028-10	m 1	28	28	30	10	6	20	20	4	2xM 4	6.00	68.1
R5165.100-030-08	m 1	30	30	32	8	6	24	16	4	2xM 4	5.27	68.5
R5165.100-030-10	m 1	30	30	32	8	6	24	20	4	2xM 4	6.68	86.0
R5165.100-032-06	m 1	32	32	34	10	6	24	16	4	2xM 4	4.31	69.1
R5165.100-034-06	m 1	34	34	36	6	6	24	16	4	2xM 4	4.67	74.0
R5165.100-035-06	m 1	35	35	37	6	6	24	16	4	2xM 4	4.85	76.6
R5165.100-036-06	m 1	36	36	38	6	8	24	16	4	2xM 4	5.03	76.6
R5165.100-040-06	m 1	40	40	42	6	8	28	16	4	2xM 4	5.77	100.6
R5165.100-042-06	m 1	42	42	44	6	8	28	16	4	2xM 4	6.14	106.7
R5165.100-044-06	m 1	44	44	46	6	8	28	16	4	2xM 4	6.50	113.1
R5165.100-045-06	m 1	45	45	47	6	8	28	16	4	2xM 4	6.69	116.5
R5165.100-048-06	m 1	48	48	50	6	8	28	16	4	2xM 4	7.25	126.9
R5165.100-050-06	m 1	50	50	52	6	8	28	16	4	2xM 4	7.62	134.2
R5165.100-052-06	m 1	52	52	54	6	8	28	16	5	2xM 5	8.00	140.9
R5165.100-054-06	m 1	54	54	56	6	8	28	16	5	2xM 5	8.38	148.8
R5165.100-056-06	m 1	56	56	58	6	10	30	16	5	2xM 5	8.75	160.6
R5165.100-060-06	m 1	60	60	62	6	10	30	16	5	2xM 5	9.51	178.0



Order No.	Module	No. of teeth z	Pitch dia. $d_1$	$d_2$	$w_1$	$d_3$ tol. H8	$d_4$	$l_1$	$l_2$	Thread $d_5$	Torque Nm max.	Weight g
<b>R5165.100-064-06</b>	m 1	64	64	66	6	10	30	16	5	2xM 5	10.27	196.5
<b>R5165.100-070-06</b>	m 1	70	70	72	6	10	30	16	5	2xM 5	11.42	226.6
<b>R5165.100-072-06</b>	m 1	72	72	74	6	10	30	16	5	2xM 5	11.80	237.2
<b>R5165.100-080-06</b>	m 1	80	80	82	6	10	30	16	5	2xM 5	13.34	282.6
<b>R5165.100-090-06</b>	m 1	90	90	92	6	10	30	16	5	2xM 5	15.26	346.1
<b>R5165.100-100-06</b>	m 1	100	100	102	6	10	30	16	5	2xM 5	17.19	417.1
<b>R5165.100-120-06</b>	m 1	120	120	122	6	10	30	16	5	2xM 5	21.08	581.6