

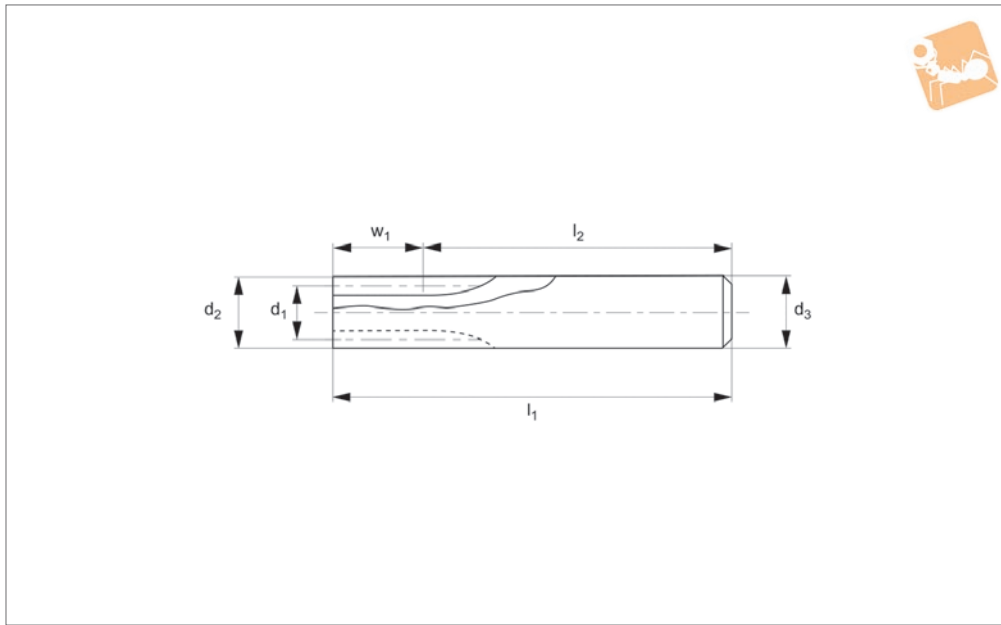


Spur Gears - Module 0.75 - Stainless

stainless steel - 10 teeth



Standard Spur
Gears



R5126

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 = 0,015 - 0,045mm.

Tips

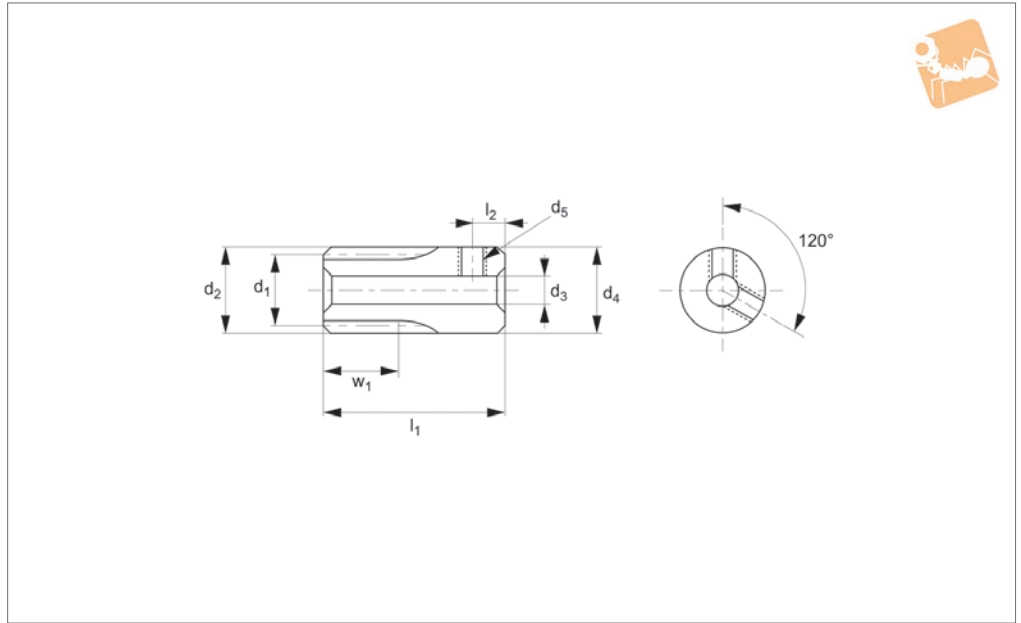
For module 0.75 stainless steel gears with more teeth, see R5128 & R5129.
Max. allowable torque (Nm) is based on standard operating conditions (see tech-

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 ₁	d ₂	w ₁	d ₃ tol. H8	l ₁	l ₂	Torque Nm max.	Weight g
R5126.075-010	m 0.75	10	7.5	9	8	9	55	47	0.52	26.5



R5128



Material

Carbon steel (ISO C45). Accuracy to JIS B 1702-1 (ISO) class 8- 9.

Technical Notes

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

gears = 0,015 - 0,045mm.

Tips

For a module 0.75 steel gear with 10 teeth, see R5126; or for 16-120 teeth, see R5129.
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_1	d_2	w_1	d_3 tol. H8	d_4	l_1	l_2	Thread d_5	Torque Nm max.	Weight g
R5128.075-014	m 0.75	14	10.5	12.0	8	5	12.0	20	3.0	M 3	0.95	12.9
R5128.075-015	m 0.75	15	11.3	12.8	8	5	12.8	20	3.0	M 3	1.07	15.0

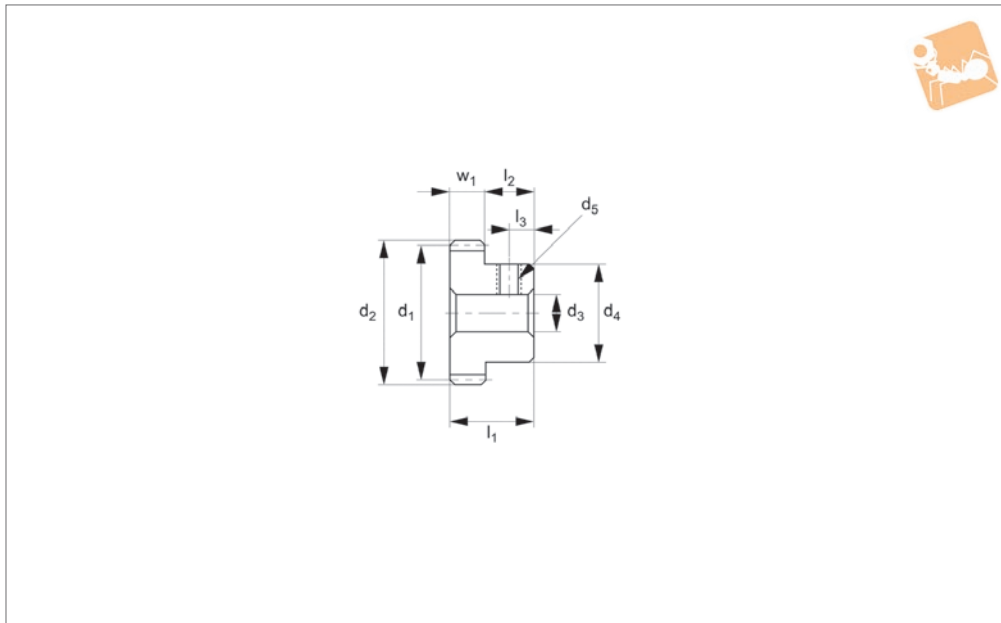


Spur Gears - Module 0.75 - Stainless

stainless steel - 16-120 teeth



Standard Spur
Gears



R5129

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

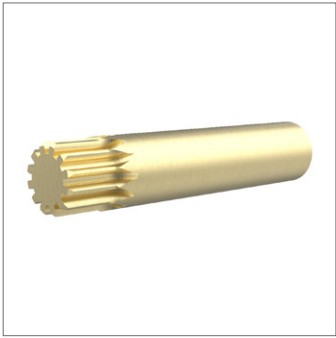
gears = 0,015 - 0,045mm.

Tips

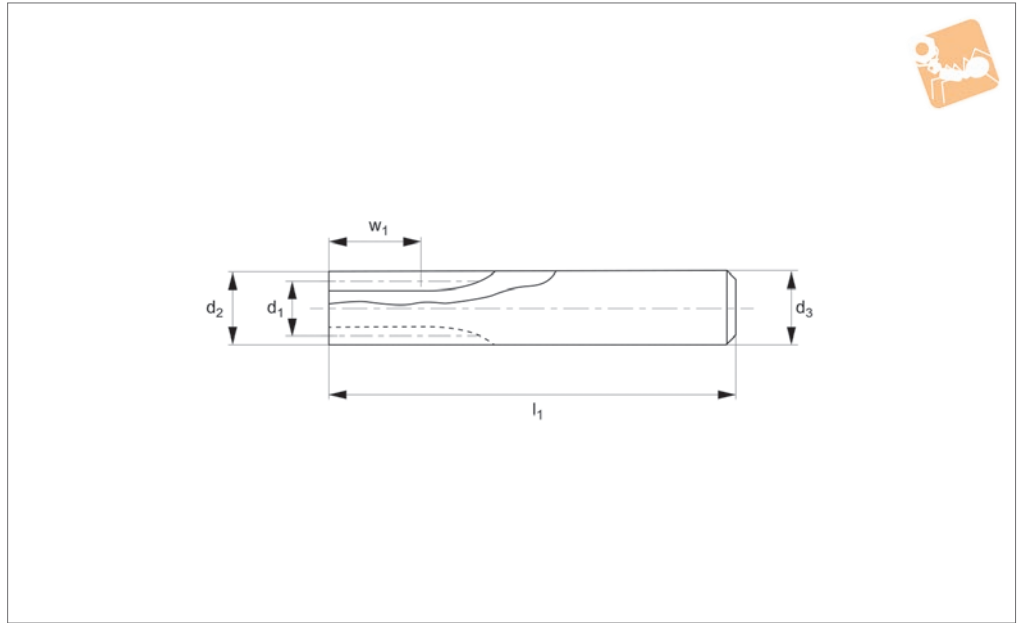
For module 0.75 stainless steel gears with fewer teeth, see R5126 & R5128.
Max. allowable torque (Nm) is based on standard operating conditions (see tech-

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 ₁	d ₂	w ₁	d ₃ tol. H8	d ₄	l ₁	l ₂	l ₃	Thread d ₅	Torque Nm max.	Weight g
R5129.075-016	m 0.75	16	12.0	13.5	8	5	10	15	7	3.5	M 3	1.18	9.1
R5129.075-018	m 0.75	18	13.5	15.0	8	5	11	15	7	3.5	M 3	1.42	11.9
R5129.075-020	m 0.75	20	15.0	16.5	8	6	12	15	7	3.5	M 4	1.67	13.9
R5129.075-021	m 0.75	21	15.8	17.3	8	6	12	15	7	3.5	M 4	1.79	15.1
R5129.075-022	m 0.75	22	16.5	18.0	8	6	12	15	7	3.5	M 4	1.92	16.3
R5129.075-024	m 0.75	24	18.0	19.5	8	6	14	15	7	3.5	M 4	2.18	21.0
R5129.075-025	m 0.75	25	18.8	20.3	8	6	14	15	7	3.5	M 4	2.31	22.4
R5129.075-026	m 0.75	26	19.5	21.0	8	6	14	15	7	3.5	M 4	2.44	23.8
R5129.075-028	m 0.75	28	21.0	22.5	8	6	14	15	7	3.5	M 4	2.70	26.9
R5129.075-030	m 0.75	30	22.5	24.0	8	6	14	15	7	3.5	M 4	2.96	31.3
R5129.075-032	m 0.75	32	24.0	25.5	6	6	15	15	9	4.0	M 4	2.42	30.4
R5129.075-036	m 0.75	36	27.0	28.5	6	6	18	15	9	4.0	M 4	2.83	41.6
R5129.075-040	m 0.75	40	30.0	31.5	6	6	20	15	9	4.0	M 4	3.24	52.2
R5129.075-044	m 0.75	44	33.0	34.5	6	6	20	15	9	4.0	M 4	3.66	59.2
R5129.075-045	m 0.75	45	33.8	35.3	6	6	20	15	9	4.0	M 4	3.76	61.1
R5129.075-048	m 0.75	48	36.0	37.5	6	6	20	15	9	4.0	M 4	4.08	67.0
R5129.075-056	m 0.75	56	42.0	43.5	6	6	20	15	9	4.0	M 4	4.92	84.5
R5129.075-060	m 0.75	60	45.0	46.5	6	6	22	15	9	4.0	M 4	5.35	98.9
R5129.075-072	m 0.75	72	54.0	55.5	6	6	25	15	9	4.0	M 4	6.64	139.9
R5129.075-080	m 0.75	80	60.0	61.5	6	8	25	15	9	4.0	M 4	7.51	163.0
R5129.075-100	m 0.75	100	75.0	76.5	6	8	30	15	9	4.0	M 4	9.67	253.9
R5129.075-120	m 0.75	120	90.0	91.5	6	8	30	15	9	4.0	M 4	11.86	346.3



R5130



Material

Brass (C3604B). Accuracy to JIS B 1702-1 (ISO) class 9.

Technical Notes

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

gears = 0,015 - 0,045mm.

Tips

For module 0.75 brass gears with 14-48 teeth, see R5132 & R5133; for 50-120 teeth, see R5135 & R5136.
Max. allowable torque (Nm) is based on

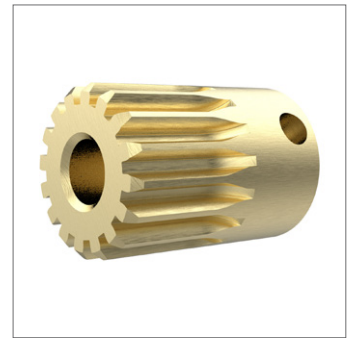
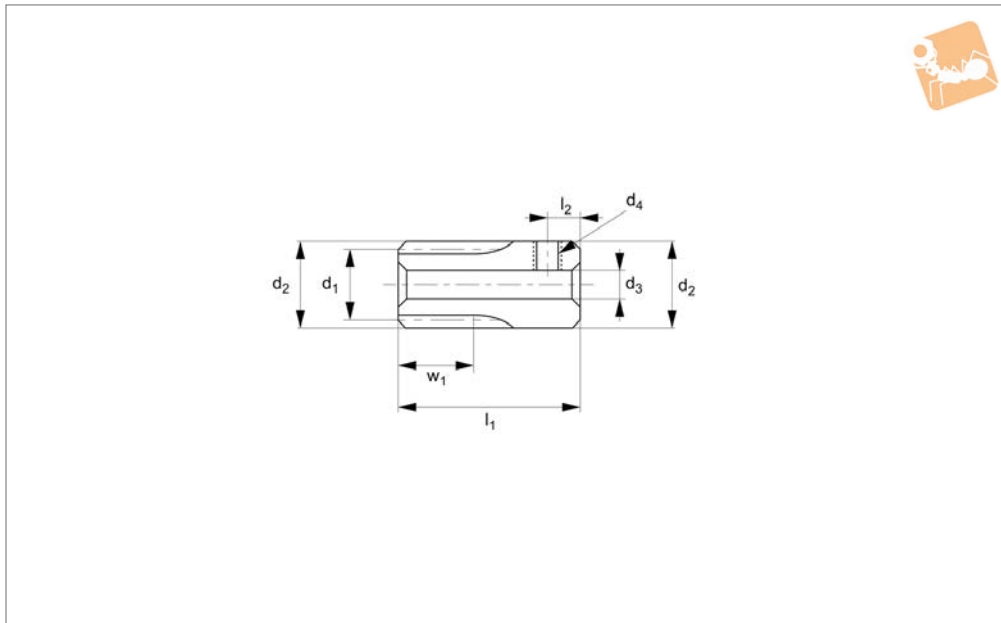
standard operating conditions (see technical pages) with a safety factor of 1.2. For non standard applications apply a suitable safety factor depending on frequency of use, type of working etc.

Order No.	Module	No. of teeth z	Pitch dia. d_1	d_2	w_1	d_3 tol. H8	l_1	Torque Nm max.	Weight g
R5130.075-010	m 0.75	10	7.5	9.0	8	9	55	0.21	28.4
R5130.075-012	m 0.75	12	9.0	10.5	8	11	55	0.29	42.3



Spur Gears - Module 0.75 - Brass

brass - 14-20 teeth



R5132

STANDARD SPUR GEARS

Material

Brass (C3604B). Accuracy to JIS B 1702-1 (ISO) class 9.

Technical Notes

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

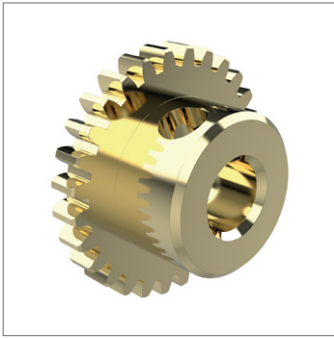
gears = 0,015 - 0,045mm.

Tips

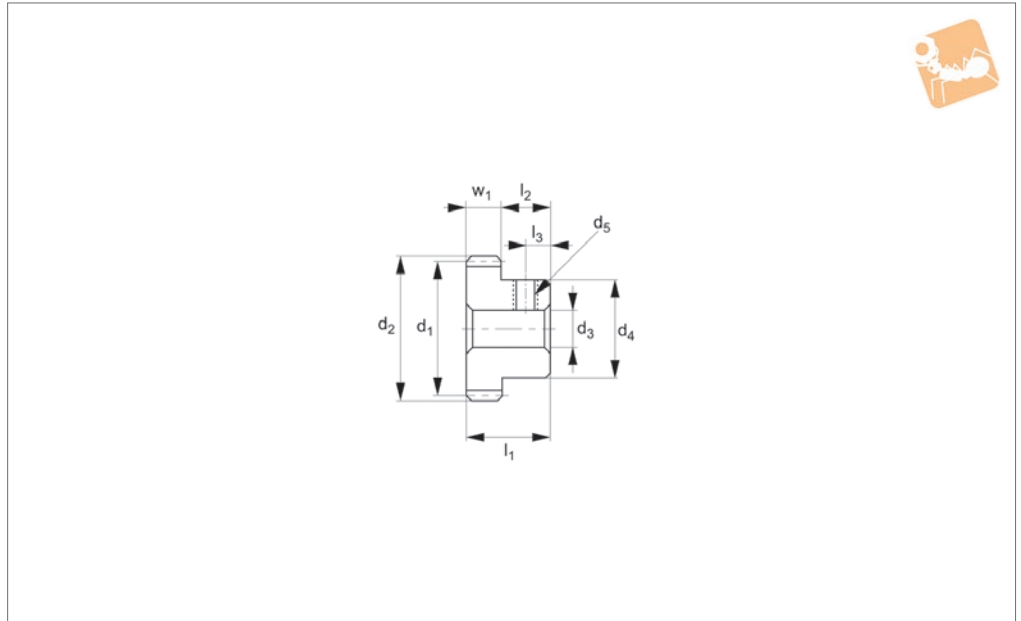
For module 0.75 brass gears with 10-12 teeth teeth, see R5130; for 16-48 teeth, see R5133; for gears with 50-120 teeth see R5135 (hubless) & R5136.

Max. allowable torque (Nm) is based on standard operating conditions (see technical 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 ₁	d ₂	w ₁	d ₃ tol. H8	l ₁	l ₂	Thread d ₄	Torque Nm max.	Weight g
R5132.075-014	m 0.75	14	10.5	12.0	8	5	20	3	M 3	0.38	13.9
R5132.075-015	m 0.75	15	11.3	12.8	8	5	20	3	M 3	0.43	16.3
R5132.075-016	m 0.75	16	12.0	13.5	8	5	20	3	M 3	0.47	18.8
R5132.075-018	m 0.75	18	13.5	15.0	8	5	20	3	M 3	0.57	24.2
R5132.075-020	m 0.75	20	15.0	16.5	8	5	20	3	M 3	0.67	30.2



R5133



Material

Brass (C3604B). Accuracy to JIS B 1702-1 (ISO) class 9.

Technical Notes

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

gears = 0,015 - 0,045mm.

Tips

For module 0.75 brass gears with 10-12 teeth or 14-20 teeth, see R5130 & R5132; for 50-120 teeth see R5135 (hubless) & R5136.

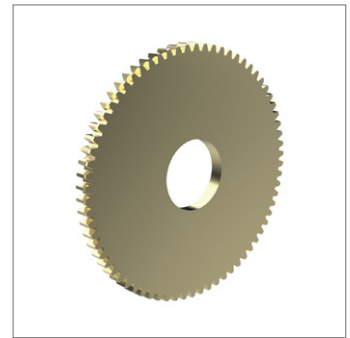
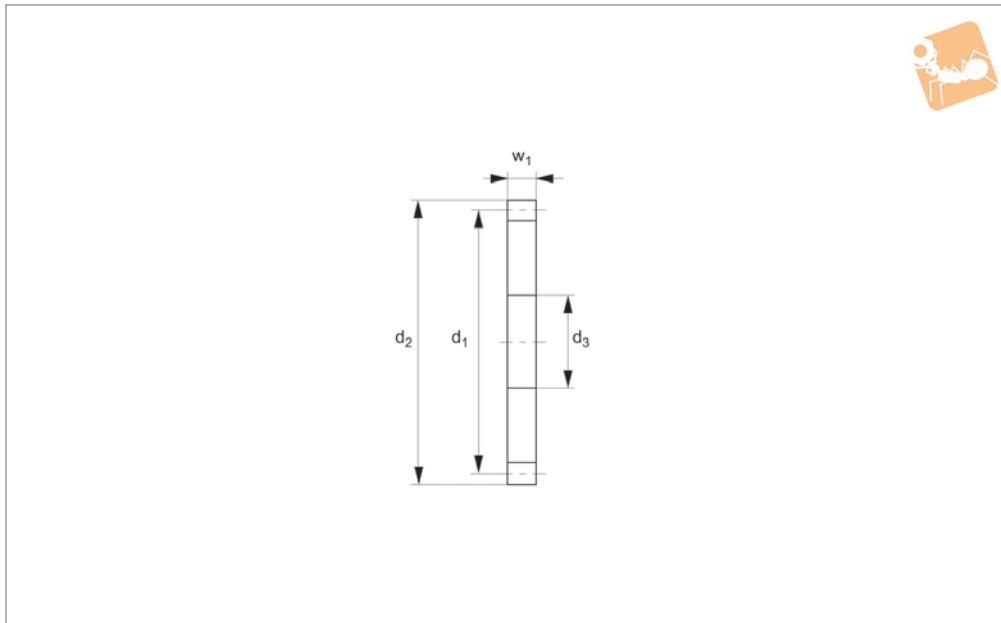
Max. allowable torque (Nm) is based on standard operating conditions (see technical pages) with a safety factor of 1.2. For non standard applications apply a suitable safety factor depending on frequency of use, type of working etc.

Order No.	Module	No. of teeth z	Pitch dia. d ₁	d ₂	w ₁	d ₃ tol. H8	d ₄	l ₁	l ₂	l ₃	Thread d ₅	Torque Nm max.	Weight g
R5133.075-016	m 0.75	16	12.0	13.5	3	5	10	10	7	3.5	M 3	0.18	5.8
R5133.075-018	m 0.75	18	13.5	15.0	3	5	11	10	7	3.5	M 3	0.21	7.5
R5133.075-020	m 0.75	20	15.0	16.5	3	6	12	10	7	3.5	M 4	0.25	8.6
R5133.075-024	m 0.75	24	18.0	19.5	3	6	14	10	7	3.5	M 4	0.33	11.7
R5133.075-025	m 0.75	25	18.8	20.3	3	6	14	10	7	3.5	M 4	0.35	12.3
R5133.075-026	m 0.75	26	19.5	21.0	3	6	14	10	7	3.5	M 4	0.37	12.9
R5133.075-028	m 0.75	28	21.0	22.5	3	6	14	10	7	3.5	M 4	0.40	14.1
R5133.075-030	m 0.75	30	22.5	24.0	3	6	15	10	7	3.5	M 4	0.45	16.7
R5133.075-032	m 0.75	32	24.0	25.5	3	6	15	10	7	3.5	M 4	0.49	18.1
R5133.075-035	m 0.75	35	26.3	27.8	3	6	18	10	7	3.5	M 4	0.55	24.9
R5133.075-036	m 0.75	36	27.0	28.5	3	6	18	10	7	3.5	M 4	0.57	25.7
R5133.075-040	m 0.75	40	30.0	31.5	3	6	20	10	7	3.5	M 4	0.65	33.8
R5133.075-042	m 0.75	42	31.5	33.0	3	6	20	10	7	3.5	M 4	0.69	35.6
R5133.075-045	m 0.75	45	33.8	35.3	3	6	20	10	7	3.5	M 4	0.75	38.6
R5133.075-048	m 0.75	48	36.0	37.5	3	6	20	10	7	3.5	M 4	0.82	41.7



Spur Gears - Module 0.75 - Brass

brass - 50-120 teeth - hubless



R5135

STANDARD SPUR GEARS

Material

Brass (C3604B). Accuracy to JIS B 1702-1 (ISO) class 9.

Technical Notes

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

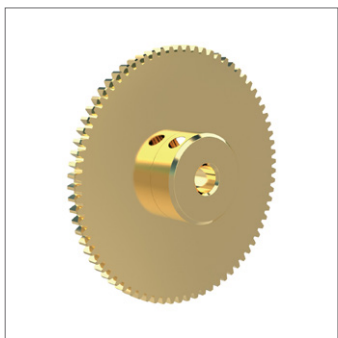
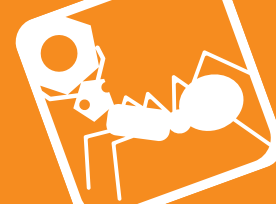
gears = 0,015 - 0,045mm.

Tips

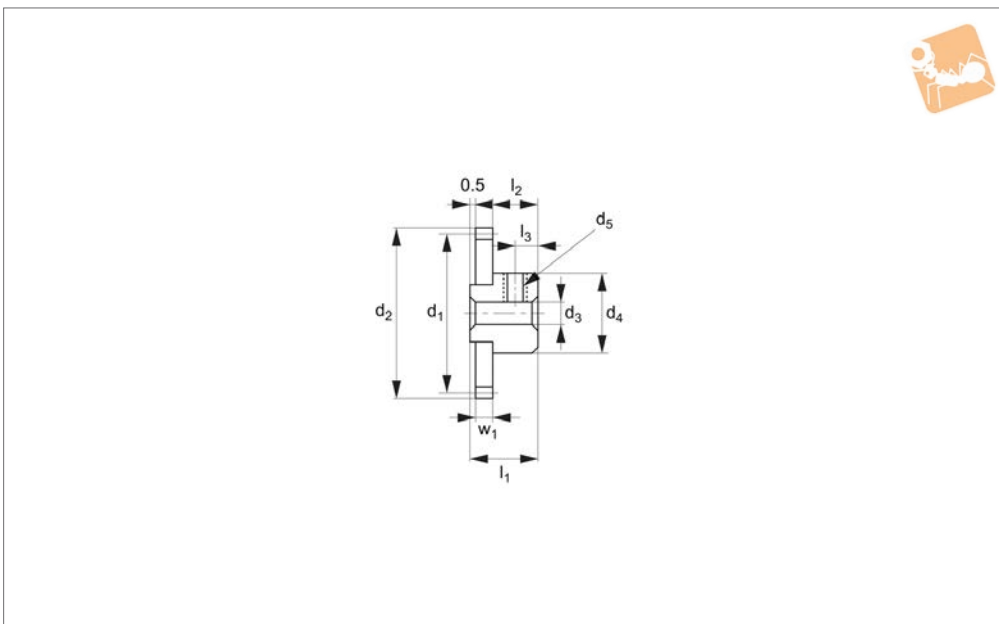
For module 0.75 brass gears with fewer teeth, see R5130, R5132 & R5133. For a version of this product with hub, see R5136.

Max. allowable torque (Nm) is based on standard operating conditions (see technical 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 ₁	d ₂	w ₁	d ₃ tol. H8	Torque Nm max.	Weight g
R5135.075-050	m 0.75	50	37.5	39.0	3	15	0.86	23.7
R5135.075-055	m 0.75	55	41.3	42.8	3	15	0.96	29.6
R5135.075-056	m 0.75	56	42.0	43.5	3	15	0.98	30.8
R5135.075-058	m 0.75	58	43.5	45.0	3	15	1.03	33.4
R5135.075-060	m 0.75	60	45.0	46.5	3	15	1.07	36.1
R5135.075-062	m 0.75	62	46.5	48.0	3	15	1.11	38.8
R5135.075-064	m 0.75	64	48.0	49.5	3	15	1.16	41.6
R5135.075-065	m 0.75	65	48.8	50.3	3	15	1.18	43.1
R5135.075-066	m 0.75	66	49.5	51.0	3	15	1.20	44.6
R5135.075-068	m 0.75	68	51.0	52.5	3	15	1.24	47.6
R5135.075-070	m 0.75	70	52.5	54.0	3	15	1.28	50.7
R5135.075-072	m 0.75	72	54.0	55.5	3	15	1.33	53.9
R5135.075-075	m 0.75	75	56.3	57.8	3	15	1.39	58.9
R5135.075-080	m 0.75	80	60.0	61.5	3	15	1.50	67.6
R5135.075-085	m 0.75	85	63.8	65.3	3	15	1.61	76.9
R5135.075-090	m 0.75	90	67.5	69.0	3	15	1.72	86.7
R5135.075-095	m 0.75	95	71.3	72.8	3	15	1.82	97.2
R5135.075-100	m 0.75	100	75.0	76.5	3	15	1.93	108.1
R5135.075-105	m 0.75	105	78.8	80.3	3	15	2.04	119.7
R5135.075-110	m 0.75	110	82.5	84.0	3	15	2.15	131.8
R5135.075-115	m 0.75	115	86.3	87.8	3	15	2.26	144.5
R5135.075-120	m 0.75	120	90.0	91.5	3	15	2.37	157.7



R5136



Material

Brass (C3604B). Accuracy to JIS B 1702-1 (ISO) class 9.

Technical Notes

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

gears = 0,015- 0,045mm.

Tips

For module 0.75 brass gears with fewer teeth, see R5130, R5132 & R5133. For a hubless version of this product, see R5135.
Max. allowable torque (Nm) is based on

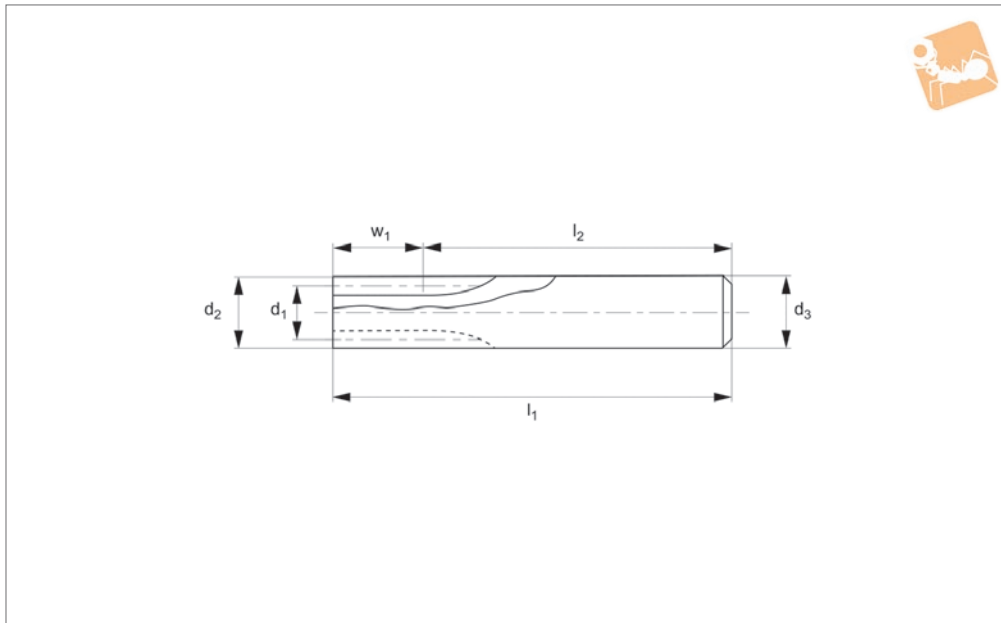
standard operating conditions (see technical pages) with a safety factor of 1.2. For non standard applications apply a suitable safety factor depending on frequency of use, type of working etc.

Order No.	Module	No. of teeth z	Pitch dia. d ₁	d ₂	w ₁	d ₃ tol. H8	d ₄	l ₁	l ₂	l ₃	Thread d ₅	Torque Nm max.	Weight g
R5136.075-050	m 0.75	50	37.5	39.0	3	6	20	10.5	7	3.5	M 4	0.86	43.8
R5136.075-055	m 0.75	55	41.3	42.8	3	6	20	10.5	7	3.5	M 4	0.96	49.7
R5136.075-056	m 0.75	56	42.0	43.5	3	6	20	10.5	7	3.5	M 4	0.98	50.9
R5136.075-058	m 0.75	58	43.5	45.0	3	6	20	10.5	7	3.5	M 4	1.03	53.5
R5548.075-060	m 0.75	60	45.0	46.5	3	6	20	10.5	7	3.5	M 4	1.07	56.2
R5136.075-062	m 0.75	62	46.5	48.0	3	6	20	10.5	7	3.5	M 4	1.11	58.9
R5136.075-064	m 0.75	64	48.0	49.5	3	6	20	10.5	7	3.5	M 4	1.16	61.8
R5136.075-065	m 0.75	65	48.8	50.3	3	6	20	10.5	7	3.5	M 4	1.18	63.2
R5136.075-066	m 0.75	66	49.5	51.0	3	6	20	10.5	7	3.5	M 4	1.20	64.7
R5136.075-068	m 0.75	68	51.0	52.5	3	6	20	10.5	7	3.5	M 4	1.24	67.7
R5136.075-070	m 0.75	70	52.5	54.0	3	6	20	10.5	7	3.5	M 4	1.28	70.8
R5136.075-072	m 0.75	72	54.0	55.5	3	6	20	10.5	7	3.5	M 4	1.33	74.0
R5136.075-075	m 0.75	75	56.3	57.8	3	6	20	10.5	7	3.5	M 4	1.39	79.0
R5136.075-080	m 0.75	80	60.0	61.5	3	6	20	10.5	7	3.5	M 4	1.50	87.7
R5136.075-085	m 0.75	85	63.8	65.3	3	6	20	10.5	7	3.5	M 4	1.61	97.0
R5136.075-090	m 0.75	90	67.5	69.0	3	6	20	10.5	7	3.5	M 4	1.72	106.9
R5136.075-095	m 0.75	95	71.3	72.8	3	6	20	10.5	7	3.5	M 4	1.82	117.3
R5136.075-100	m 0.75	100	75.0	76.5	3	6	20	10.5	7	3.5	M 4	1.93	128.3
R5136.075-105	m 0.75	105	78.8	80.3	3	6	20	10.5	7	3.5	M 4	2.04	139.8
R5136.075-110	m 0.75	110	82.5	84.0	3	6	20	10.5	7	3.5	M 4	2.15	151.9
R5136.075-115	m 0.75	115	86.3	87.8	3	6	20	10.5	7	3.5	M 4	2.26	164.6
R5136.075-120	m 0.75	120	90.0	91.5	3	6	20	10.5	7	3.5	M 4	2.37	177.8



Spur Gears - Module 0.75 - Steel

carbon steel - 10-12 teeth



R5137

STANDARD SPUR GEARS

Material

Carbon steel (ISO C45). Accuracy to JIS B 1702-1 (ISO) class 8-9.

Technical Notes

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

gears = 0,015 - 0,045mm.

Tips

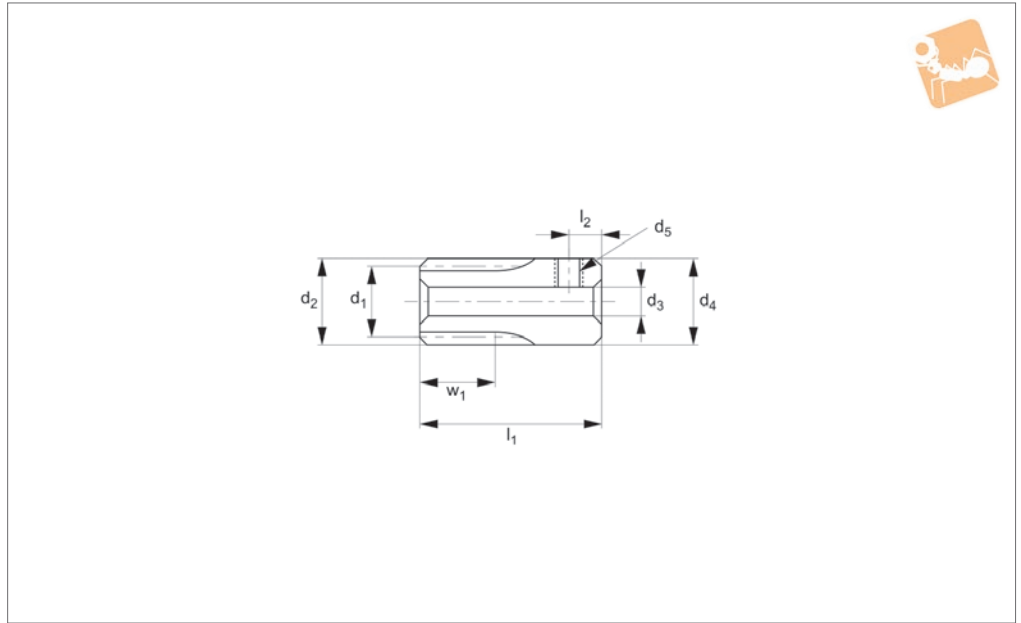
For module 0.75 steel gears with 14-15 teeth, see R5138; for 16-120 teeth, see R5140.
Max. allowable torque (Nm) is based on

standard operating conditions (see technical 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 ₁	d ₂	w ₁	d ₃ tol. H8	l ₁	l ₂	Torque Nm max.	Weight g
R5137.075-010	m 0.75	10	7.5	9.0	8	9	55	47	1.06	26.3
R5137.075-012	m 0.75	12	9.5	10.5	8	11	55	47	1.46	39.1



R5138



Material

Carbon steel (ISO C45).
Accuracy to JIS B 1702-1 (ISO) class 8- 9.

Technical Notes

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

gears= 0,015- 0,045 mm.

Tips

For module 0.75 steel gears with 10-12 teeth, see R5137; for 16-120 teeth see R5140.
Max. allowable torque (Nm) is based on

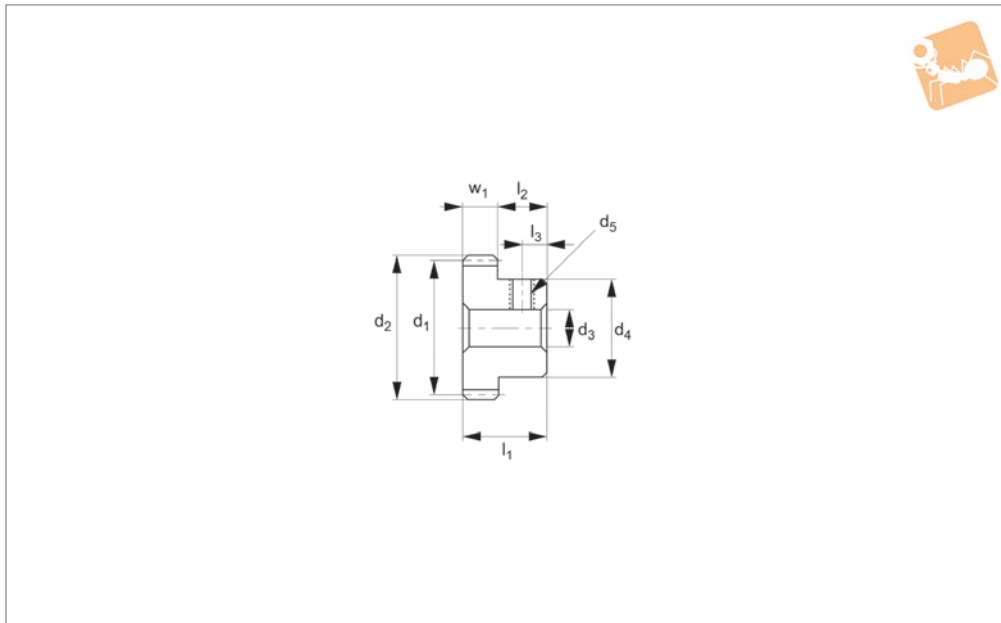
standard operating conditions (see technical pages) with a safety factor of 1.2. For non standard applications apply a suitable safety factor depending on frequency of use, type of working etc.

Order No.	Module	No. of teeth z	Pitch dia. d ₁	d ₂	w ₁	d ₃ tol. H8	d ₄	l ₁	l ₂	Thread d ₅	Torque Nm max.	Weight g
R5138.075-014	m 0.75	14	10.5	12.0	8	5	12.0	20	3	M 3	1.90	12.9
R5138.075-015	m 0.75	15	11.3	12.8	8	5	12.8	20	3	M 3	2.13	15.0



Spur Gears - Module 0.75 - Steel

carbon steel - 16-120 teeth



R5140

STANDARD SPUR GEARS

Material

Carbon steel (ISO C45).
Accuracy to JIS B 1702-1 (ISO) class 8- 9.

Technical Notes

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

gears= 0,015- 0,045 mm.

Tips

For module 0.75 steel gears with 10-12 teeth or 14-15 teeth, see R5137 & R5138.
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 ₁	d ₂	w ₁	d ₃ tol. H8	d ₄	l ₁	l ₂	l ₃	Thread d ₅	Torque Nm max.	Weight g
R5140.075-016	m 0.75	16	12.0	13.5	8	5	10	15	7	3.5	M 4	2.37	8.9
R5140.075-018	m 0.75	18	13.5	15.0	8	5	11	15	7	3.5	M 4	2.84	11.7
R5140.075-020	m 0.75	20	15.0	16.5	8	6	12	15	7	3.5	M 4	3.34	13.8
R5140.075-024	m 0.75	24	18.0	19.5	8	6	14	15	7	3.5	M 4	4.35	20.8
R5140.075-025	m 0.75	25	18.8	20.3	8	6	14	15	7	3.5	M 4	4.61	22.2
R5140.075-028	m 0.75	28	21.0	22.5	8	6	14	15	7	3.5	M 4	5.40	26.6
R5140.075-030	m 0.75	30	22.5	24.0	8	6	15	15	7	3.5	M 4	5.93	31.0
R5140.075-032	m 0.75	32	24.0	25.5	6	6	15	15	9	4.0	M 4	4.85	30.1
R5140.075-034	m 0.75	35	26.3	27.8	6	6	18	15	9	4.0	M 4	5.46	39.7
R5140.075-036	m 0.75	36	27.0	28.5	6	6	18	15	9	4.0	M 4	5.66	41.2
R5140.075-040	m 0.75	40	30.0	31.5	6	6	20	15	9	4.0	M 4	6.49	51.7
R5140.075-045	m 0.75	45	33.8	35.3	6	6	20	15	9	4.0	M 4	7.53	60.5
R5140.075-048	m 0.75	48	36.0	37.5	6	6	20	15	9	4.0	M 4	8.15	66.3
R5140.075-050	m 0.75	50	37.5	39.0	6	6	20	15	9	4.0	M 4	8.58	70.4
R5140.075-056	m 0.75	56	42.0	43.5	6	6	20	15	9	4.0	M 4	9.85	83.6
R5140.075-060	m 0.75	60	45.0	46.5	6	6	22	15	9	4.0	M 4	10.70	97.9
R5140.075-064	m 0.75	64	48.0	49.5	6	6	22	15	9	4.0	M 4	11.56	108.2
R5140.075-070	m 0.75	70	52.5	54.0	6	6	22	15	9	4.0	M 4	12.85	124.9
R5140.075-072	m 0.75	72	54.0	55.5	6	6	25	15	9	4.0	M 4	13.28	138.5
R5140.075-080	m 0.75	80	60.0	61.5	6	8	25	15	9	4.0	M 4	15.01	161.3
R5140.075-090	m 0.75	90	67.5	69.0	6	8	30	15	9	4.0	M 4	17.16	211.8
R5140.075-100	m 0.75	100	75.0	76.5	6	8	30	15	9	4.0	M 4	19.34	251.3
R5140.075-120	m 0.75	120	90.0	91.5	6	8	30	15	9	4.0	M 4	23.71	342.9