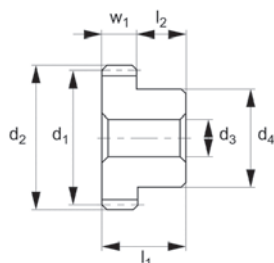




Spur Gears - Module 0.8

carbon steel - 25-120 teeth

Standard Spur
Gears



R5161

STANDARD SPUR GEARS

Material

Carbon steel (ISO C45).
Accuracy to JIS B 1702-1 (ISO) class 8,
(class 9 for hardened teeth versions). -H
Gear teeth surface induction-hardened to
47-53 HRC for increased durability.

Technical Notes

20° pressure angle, full depth tooth.

Amount of backlash when assembling
gears = 0,016 - 0,048mm.

Tips

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	Torque Nm max.	Weight g
R5161.080-025	m 0.8	25	20	21.6	8	5	16	18	10	5.27	32.5
R5161.080-025H	m 0.8	25	20	21.6	8	5	16	18	10	5.58	32.5
R5161.080-030	m 0.8	30	24	25.6	8	5	20	18	10	6.75	50.1
R5161.080-030H	m 0.8	30	24	25.6	8	5	20	18	10	7.16	50.1
R5161.080-040	m 0.8	40	32	33.6	8	6	25	18	10	9.82	84.7
R5161.080-040H	m 0.8	40	32	33.6	8	6	25	18	10	10.41	84.7
R5161.080-050	m 0.8	50	40	41.6	8	6	28	18	10	12.96	122.9
R5161.080-050H	m 0.8	50	40	41.6	8	6	28	18	10	13.73	122.9
R5161.080-060	m 0.8	60	48	49.6	8	6	34	18	10	16.14	180.5
R5161.080-060H	m 0.8	60	48	49.6	8	6	34	18	10	17.11	180.5
R5161.080-070	m 0.8	70	56	57.6	8	8 tol. H7	40	18	10	19.36	245.7
R5161.080-070H	m 0.8	70	56	57.6	8	8	40	18	10	20.53	245.7
R5161.080-080	m 0.8	80	64	65.6	8	8 tol. H7	45	18	10	22.61	319.2
R5161.080-080H	m 0.8	80	64	65.6	8	8	45	18	10	23.97	319.2
R5161.080-090	m 0.8	90	72	73.6	8	8 tol. H7	50	18	10	25.83	402.1
R5161.080-090H	m 0.8	90	72	73.6	8	8	50	18	10	27.39	402.1
R5161.080-100	m 0.8	100	80	81.6	8	10 tol. H7	60	18	10	29.10	525.8
R5161.080-100H	m 0.8	100	80	81.6	8	10	60	18	10	30.85	525.8
R5161.080-120	m 0.8	120	96	97.6	8	10 tol. H7	70	18	10	35.65	744.7
R5161.080-120H	m 0.8	120	96	97.6	8	10	70	18	10	37.80	744.7