

Delivery date reliability –
**We make sure that you have
your gear sets on time**



flender

BEVEL GEAR SETS



SIEMENS

Short delivery times for cyclo-palloid bevel gears.



Winning through to the finals: Differentials in car racing



Brand-new for many applications in oil and gas production

Our high-quality parts with cyclo-palloid gear teeth do not only ensure high load transfer ability and silent running. They are also favourably priced and on top of that, quickly available.

If you need bevel gear sets you want them soon. As supplier of bevel gear sets with high-precision cyclo-palloid gear teeth, Siemens early realized the market requirements and extended the production capacities. In this way we were able to clearly shorten delivery times contrary to the market trend.

As Siemens customer you may, of course, expect performance on the highest level in all manufacturing stages of your bevel gear sets, from the calculation, via drafting, down to machining after hardening, and inspection with certificate. The cyclo-palloid bevel gears are machined on CNC controlled spiral bevel gear grinding machines

G 60 and G 100 as well as HPG spiral bevel gear hobbing machines C 100 U of the youngest generation.

Technical information

		Lapped	Ground	HPG cut
Reference diameter	d_{02}	50 ... 600 mm	70 ... 1000 mm	100 ... 1250 mm
Normal module	m_n	1.35 ... 12 mm	1.35 ... 15.5 mm	4.5 ... 18.5 mm
Number of teeth	z	6 ... 120	6 ... 120	6 ... 120
Transmission ratio	i	1:1 ... 1:10	1:1 ... 1:10	1:1 ... 1:10
Bevel gear shaft clamping diameter		max. 155 h6	max. 300 h6	max. 300 h6
Offset	av	± 120	± 120	± 120
Quality	Q	≥ 8	6	6

Advantages

- Good load transfer ability and long service life
- Excellent silent running of the gear sets
- High efficiency
- High circumferential speed
- Increase of load capacity in the tooth root by shot peening

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