

*Walk Drive Technology bv*

*manufacture bevel gears in various designs....*

*.... upon customer specifications.*

### **Our programme:**

- *Straight- and angular bevel gears;*
- *Spiral "Palloid" bevel gears;*
- *From module 1 till module 10 (Module 20);*
- *Max. diameter Ø750 mm (Ø980mm);*
- *Various materials;*
- *Single parts till mid-sized series (5000pcs);*
- *Lapping of bevel gears;*
- *Spherical tooth flank;*
- *Standard or according to customer specifications;*
- *Development and manufacture of bevel gearbox;;*
- *We support you with strength- and lifetime calculations for your application in bevel gears.*



### **We also manufacture and supply according to drawing and specifications**

- *Group 1: standard drive components*
- *Group 2: spur and helical gears*
- *Group 3: sprockets*
- *Group 4: racks*
- *Group 5: worms and worm gears*
- *Group 6: bevel gears*
- *Group 7: timing belt pulleys*
- *Group 8: special gears*
- *Group 9: complete drive modules according to customer specifications or engineered by Walk.*

**Knowledge + supplier = Walk**

**Please see backside for a selection of Walk products**

**GROUP 6, A SELECTION OF OUR *BEVEL GEARS* ASSORTMENT:**



**Straight bevel gear pair**

***Straight bevel gear***  
features:

- Cheaper than spiral bevel gears;
- Suitable for low revolutions;
- Lower power transmission;
- Accurate adjustment needed;
- Crossing centre lines;
- Sounds during operation.



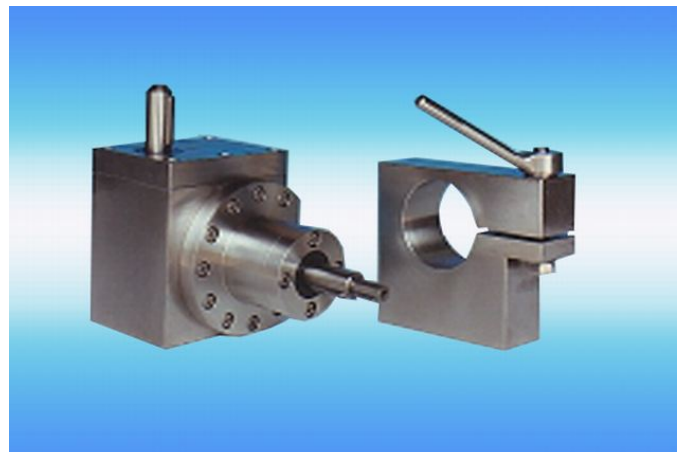
**Spiral "Palliod" bevel gear**

***Spiral bevel gear***  
features:

- Suitable for high revolutions;
- High power transmissions;
- Adjustment needs to be less accurate, material working of gearbox can be bear;
- Suitable for crossing and
- Almost no sounds during operation.



**Bevel gear with slip clutch.**



**Angular bevel gearbox made out of stainless steel**



**Strength- and life span calculations for Palliod-, cyclo-palliod- and straight bevel gear wheels.**



***What is the advantage of lapping?***

- Decrease of deformation with hardening;
- Improvement of carrier image;
- A smooth running of the bevel gears;
- Improvement of power transportation;
- Improvements of life span.