

# Transmission tuning

We tune the transmission and clutch of your bike as well. The clutch gets adapted with a reinforced friction plate and more pressure to the higher torque and bad running conditions in deep sand and a lot of dust. The transmission can get additional magnetos to hold back tiny steel particles; art.: 401.5 (without picture). With different gear ratios we adapt your transmission to your ideas. First gear can get a short ratio for trial passages, for touring riding we give you a long fifth gear to lower revs. and fuel consumption. We take care of your faulty transmission and modify older transmissions to the latest specs. Corroded gear boxes become like new after glass blasting treatment.

4. Extreme weight reduced transmission parts for a BMW Sixdays GS.



5. Complete transmission internals reworked at HPN.



All our gears are ground after hardening process and meet closer tolerances than stock products. They are manufactured exclusively for us by a german gear manufacturer to HPN requirements. Highly sophisticated measuring equipment assures the high HPN Quality.

1. Long fifth gear in picture left. Ratio change 5%+. Caution: Can be installed without changes after 4/82 due to 17,5° angle\*. Marked on the gear "X". art.: 404\*\*

\*Earlier models can be changed to this much more durable gear type, as we also produce the **Intermediate shaft gear** with the 17,5° angle. art.:403\*\* In addition you need the **Input shaft gear** with 17,5° angle. art. 403.1\*\*

Short first gear in picture right. Ratio change -5%. art. 402

\*\* Please order with motorcycle type and chassis nr.



2. Cardan shaft for HPN Sport with rubber torsion damper and enlarged working angle. art.: 406.3 **Cardan shaft adapter** for HPN Sport. art.: 406 **Adapter ring** for HPN Sport art.: 406.1



3. Cardan shaft for HPN swing arm 100 mm lengthened by friction welding. art.: 103



6. **Racing friction plate** for the highest torque also during offroad racing or B.O.T. art.:312 For installation on a 100GS engine also needed: **Pressure plate** art.: 312.1 **Spring** art.: 312.3



7. **Gear shifter** modified art.: 401.8

Without pict.: **Gearbox breather plug** installed at the speedometer connection allows the gearbox to be breathed trough a tube "water-free". art.: 407

Without pict.: **Gear oil** for gear boxes with shifting problems, can sometimes avoid opening the gear box and finding nothing! art.: 405.1