

Roadstar_bearings.txt

Roadstar Bearings-
Neck

Top NSK HR32005XJ-L- LC MM
Bottom KOYO HI-CAP 32006 J RRS

Rear wheel

2 x SKF 6004-2RSH
1 x SKF 6304-2RSH
1 x SKF 6205-2RSH
1 x NAK TC 3252 7 2 (Seal)
1 x NAK TC 3242 7 2 (Seal)
Yamaha part # 93317-32677 (Bearing tapered roller)

Front wheel

2 x KOYO 60/22-2RS
or
2 x NSK 60/22-DU

Swing arm

2 x IKO TA25302 (Needle bearings)

Here's some bearing info I discovered for the transmission, inside the cases, when I did my big-bore a few years back:

..* Left Case

.....o For the main transmission axle, the larger, 7-balls bearing:
.....+ Brand name of my stock one: Koyo
.....+ Generic bearing part#: 63/28-3
.....o For the drive axle, the smaller, 9-balls bearing:
.....+ Brand name of my stock one: NSK.
.....+ Generic bearing part#: 6205

..* Right Case

.....o For the main axle, the smaller, 7-balls bearing:
.....+ Brand name of my stock one: Koyo
.....+ Generic bearing part#: 6304
.....o For the drive axle, for the larger, dbl-track bearing:
.....+ Brand name of my stock one: NSK
.....+ Generic bearing part#: 5206

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Evidently, all the bearings used for the Road Star are primarily made and used for heavy duty electrical motors (that run at high speed 24/7). Also, I believe that different bikes may have different brands of bearings, depending on wherever Yamaha could get the best prices on large orders of the bearings they needed. Note: SKF, Koyo, NSK, and IKO are all brand names, not specifiers or anything like that.

And you're right: According to a local bearing specialist that services and sells all these bearings, the manufacturer doesn't matter too much. He said, just stay away from anything made in China. He said Timkin and NTN are good brands, for instance. He also said that the stock bearings specs I gave him (and brand names) were fine, but not top-drawer. So I got one grade higher than stock ones for my bike.

Thanks to Steve (Goody) for compiling this info...