

# VW 113/002 GEARS

Updated May 12, 2025

## RACING GEARS FOR VW 113/002

### HYBRID 113/002 SPLINED MAINSHAFTS (1STx2ND GEARS)

|           |           |           |           |                                                                                                                                                                                                     |
|-----------|-----------|-----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4.13x2.46 | 3.75x2.08 | 3.44x2.08 | 3.11x2.08 | <b>Hybrid Splined Mainshafts</b> can be used with early or late 3rd and 4th gears, depending on customer preference. A special Weddle Racing slider hub is required. Reference part number 8AB-309. |
| 3.75x2.46 | 3.44x2.36 | 3.44x1.93 | 3.11x1.93 |                                                                                                                                                                                                     |
| 3.75x2.25 | 3.44x2.25 | 3.11x2.25 |           |                                                                                                                                                                                                     |

### HYBRID 113/002 3RDS

### HYBRID 113/002 4THS

|                 |      |      |      |      |      |                                                                                                                                                                                                 |
|-----------------|------|------|------|------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <del>1.84</del> | 1.56 | 1.30 | 1.50 | 1.22 | 0.93 | <b>Hybrid 113/002 Style 3rd and 4th Gears</b> require a special floating synchro cone, part number 8B6-CONE or 8B8-CONE. They can be used with early keyed mainshaft or late splined mainshaft. |
| 1.78            | 1.50 | 1.26 | 1.44 | 1.18 | 0.89 |                                                                                                                                                                                                 |
| 1.71            | 1.44 | 1.22 | 1.39 | 1.14 | 0.82 |                                                                                                                                                                                                 |
| 1.67            | 1.39 | 1.14 | 1.35 | 1.09 | 0.77 |                                                                                                                                                                                                 |
| 1.60            | 1.35 |      | 1.30 | 1.04 | 0.70 |                                                                                                                                                                                                 |
|                 |      |      | 1.26 | 1.00 |      |                                                                                                                                                                                                 |

## SPORTSMAN MODERATE DUTY GEARS

### SPORTSMAN 3RD GEARS

### SPORTSMAN 4TH GEARS

|      |      |      |       |       |       |       |       |       |
|------|------|------|-------|-------|-------|-------|-------|-------|
| 1.70 | 1.48 | 1.58 | 1.32K | 1.22K | 1.13K | 1.04K | 0.82K | 0.77K |
| 1.58 |      | 1.32 | 1.22  | 1.13  | 1.04  | 0.82  | 0.77  |       |

**NOTE:** Dimensionally, our SPORTSMAN 3rd and 4th gears are similar to early 113 3rd and 4th gears. They require a stock VW early style synchro cone to be pressed on, welded, honed, surface ground. The teeth on our SPORTSMAN gears are not profile ground.

## RING & PINION SETS FOR VW 113/002

### VW TYPE 1 R&P SETS

|                                   |                        |
|-----------------------------------|------------------------|
| 4.13 Splined (Weddle)             | 3.44 Splined (Gleason) |
| <del>3.88 Splined (Gleason)</del> | 3.44 Keyed (Gleason)   |
| 3.88 Keyed (Gleason)              |                        |

### VW 002 BUS R&P SETS

|                          |                  |
|--------------------------|------------------|
| <del>4.86 (Weddle)</del> | 4.13 (Weddle)    |
| 4.57 (Weddle)            | 4.13 (Sportsman) |
| 4.57 (Sportsman)         |                  |

# VW 091, 094 GEARS

## VW 091 GEARS

| 091 MAINSHAFTS (1STx2ND GEARS) |           |           | 091 3RD GEARS |      |                 | 091 4TH GEARS |      |      |
|--------------------------------|-----------|-----------|---------------|------|-----------------|---------------|------|------|
| 3.75x2.36                      | 3.44x2.25 | 3.11x2.25 | 1.84          | 1.56 | 1.30            | 1.50          | 1.22 | 0.89 |
| 3.75x2.08                      | 3.44x2.17 | 3.11x2.08 | 1.78          | 1.50 | 1.26            | 1.47          | 1.18 | 0.82 |
| 3.44x2.36                      | 3.44x2.08 | 3.11x1.93 | 1.75          | 1.47 | 1.22            | 1.44          | 1.14 | 0.77 |
|                                |           |           | 1.71          | 1.44 | 1.18            | 1.39          | 1.09 | 0.70 |
|                                |           |           | 1.67          | 1.39 | <del>1.14</del> | 1.35          | 1.04 |      |
|                                |           |           | 1.60          | 1.35 | 1.09            | 1.30          | 1.00 |      |
|                                |           |           |               |      |                 | 1.26          | 0.93 |      |

## VW 091 RING & PINION SETS

### 091 R&P SETS

|           |                          |
|-----------|--------------------------|
| 5.86 (VW) | <del>4.86 (Weddle)</del> |
| 5.50 (VW) | 4.57 (Weddle)            |

## VW 094 GEARS

| 094 4-SPEED MAINSHAFTS |           | 094 3RD GEARS |      |                 | 094 4TH GEARS |      |      |      |
|------------------------|-----------|---------------|------|-----------------|---------------|------|------|------|
| 3.44x2.25              | 3.44x2.08 | 1.75          | 1.35 | <del>1.14</del> | 1.39          | 1.22 | 1.04 | 0.77 |
|                        |           | 1.50          | 1.30 | 1.09            | 1.35          | 1.18 | 1.00 | 0.75 |
|                        |           | 1.47          | 1.26 |                 | 1.30          | 1.14 | 0.89 | 0.73 |
|                        |           | 1.44          | 1.22 |                 | 1.26          | 1.09 | 0.82 | 0.70 |
|                        |           | 1.39          | 1.18 |                 |               |      |      |      |

## VW 094 RING & PINION SETS

| 094 4-SPEED R&P SETS     |               | 094 5-SPEED R&P SETS |           | 094 4WD VANAGON SYNCRO R&P SETS |                 |
|--------------------------|---------------|----------------------|-----------|---------------------------------|-----------------|
| <del>4.86 (Weddle)</del> | 4.13 (Weddle) | 5.50 (VW)            | 4.83 (VW) | 4.86 Rear (Weddle)              | 5.83 Front (VW) |
| 4.57 (Weddle)            |               |                      |           |                                 |                 |

# WEDDLE HV GEARS

## HV2 4-SPEED GEARS

| HV24 MAINSHAFTS |           |           | HV2 3RD GEARS |      |      |      | HV2 4TH GEARS |      |      |      |
|-----------------|-----------|-----------|---------------|------|------|------|---------------|------|------|------|
| 3.44x2.17       | 3.11x1.93 | 2.90x2.08 | 1.84          | 1.60 | 1.39 | 1.22 | 1.67          | 1.44 | 1.26 | 1.09 |
| 3.11x2.17       | 3.11x1.86 | 2.90x1.93 | 1.78          | 1.56 | 1.35 | 1.18 | 1.60          | 1.39 | 1.22 | 1.04 |
| 3.11x2.08       | 2.90x2.17 | 2.90x1.86 | 1.71          | 1.50 | 1.30 | 1.14 | 1.56          | 1.35 | 1.18 | 1.00 |
|                 |           |           | 1.67          | 1.44 | 1.26 |      | 1.50          | 1.30 | 1.14 |      |

### HV24 RING & PINION SETS

|               |               |
|---------------|---------------|
| 5.43 (Weddle) | 4.86 (Weddle) |
| 5.14 (Weddle) |               |

## HV2 5-SPEED GEARS

| HV25 MAINSHAFTS |           | HV2 3RD GEARS |      |      | HV2 4TH GEARS |      |      | HV25 5TH GEARS |      |      |
|-----------------|-----------|---------------|------|------|---------------|------|------|----------------|------|------|
| 3.11x2.17       | 2.90x2.08 | 1.84          | 1.56 | 1.30 | 1.67          | 1.39 | 1.18 | 1.44           | 1.22 | 1.00 |
| 3.11x2.08       | 2.90x1.86 | 1.78          | 1.50 | 1.26 | 1.60          | 1.35 | 1.14 | 1.39           | 1.18 | 0.89 |
| 2.90x2.17       |           | 1.71          | 1.44 | 1.22 | 1.56          | 1.30 | 1.09 | 1.35           | 1.14 | 0.82 |
|                 |           | 1.67          | 1.39 | 1.18 | 1.50          | 1.26 | 1.04 | 1.30           | 1.09 | 0.75 |
|                 |           | 1.60          | 1.35 | 1.14 | 1.44          | 1.22 | 1.00 | 1.26           | 1.04 |      |

### HV25 RING & PINION SETS

|               |               |
|---------------|---------------|
| 5.43 (Weddle) | 4.86 (Weddle) |
| 5.14 (Weddle) | 3.56 (Weddle) |

# MD4-2D GEARS

## MD4-2D 4-SPEED GEARS

| MD4-2D MAINSHAFTS |           | MD4-2D 3RD GEARS |      |      | MD4-2D 4TH GEARS |      |      |      |      |
|-------------------|-----------|------------------|------|------|------------------|------|------|------|------|
| 3.11x2.17         | 2.90x2.08 | 1.84             | 1.56 | 1.39 | 1.50             | 1.35 | 1.18 | 1.00 | 0.77 |
| 3.11x2.08         | 2.90x1.93 | 1.67             | 1.50 | 1.35 | 1.47             | 1.30 | 1.14 | 0.93 | 0.70 |
| 3.11x1.93         | 2.90x1.86 | 1.60             | 1.44 |      | 1.44             | 1.26 | 1.09 | 0.89 |      |
|                   |           |                  |      |      | 1.39             | 1.22 | 1.04 | 0.82 |      |

### MD4-2D RING & PINION SETS

|               |               |
|---------------|---------------|
| 5.43 (Weddle) | 4.86 (Weddle) |
| 5.14 (Weddle) | 3.88 (Weddle) |

# MD5 GEARS

## MD5-SPEED GEARS

| MD5 MAINSHAFTS         | MD5 3RD GEARS |      |      | MD5 4TH GEARS |      |      |      | MD5 5TH GEARS |      |      |      |
|------------------------|---------------|------|------|---------------|------|------|------|---------------|------|------|------|
| 3.11x2.08              | 1.84          | 1.56 | 1.39 | 1.50          | 1.35 | 1.18 | 1.00 | 1.50          | 1.30 | 1.09 | 0.82 |
|                        | 1.67          | 1.50 | 1.35 | 1.47          | 1.30 | 1.14 | 0.93 | 1.47          | 1.26 | 1.04 | 0.77 |
|                        | 1.60          | 1.44 |      | 1.44          | 1.26 | 1.09 |      | 1.44          | 1.22 | 1.00 | 0.70 |
| MD5 RING & PINION SETS |               |      |      | 1.39          | 1.22 | 1.04 |      | 1.39          | 1.18 | 0.93 |      |
|                        |               |      |      |               |      |      |      | 1.35          | 1.14 | 0.89 |      |
| 5.43 (Weddle)          |               |      |      | 5.14 (Weddle) |      |      |      |               |      |      |      |

# SEQUENTIAL GEARS

## S4 GEARS (4-SPEED)

| S4 1ST GEARS |      |      | S4 2ND, 3RD, 4TH GEARS |      |      |      |
|--------------|------|------|------------------------|------|------|------|
| 3.27         | 3.09 | 2.91 | 2.21                   | 1.93 | 1.56 | 1.37 |
|              |      |      | 2.14                   | 1.67 | 1.50 | 1.32 |
|              |      |      | 2.08                   | 1.59 | 1.44 | 1.26 |

## S5 GEARS (5-SPEED)

| S5 1ST GEARS |      |      | S5 2ND GEARS |      | S5 3RD, 4TH, 5TH GEARS |      |      |      |      |      |
|--------------|------|------|--------------|------|------------------------|------|------|------|------|------|
| 3.27         | 3.09 | 2.91 | 2.21         | 2.08 | 1.86                   | 1.67 | 1.50 | 1.32 | 1.14 | 1.00 |
|              |      |      | 2.14         | 1.93 | 1.79                   | 1.59 | 1.44 | 1.26 | 1.10 | 0.89 |
|              |      |      |              |      | 1.75                   | 1.56 | 1.37 | 1.20 | 1.04 |      |

### S4/S5 10" RING & PINION SETS

|               |               |
|---------------|---------------|
| 5.14 (Weddle) | 4.63 (Weddle) |
| 4.86 (Weddle) | 3.56 (Weddle) |

### S4D/S5D 11.5" RING & PINION SETS

|               |               |
|---------------|---------------|
| 4.88 (Weddle) | 4.63 (Weddle) |
|---------------|---------------|