

# VW 113/002 GEARS

Updated December 01, 2022

## 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 |
| 3.75x2.46 | 3.44x2.36 | 3.44x1.93 | 3.11x1.93 |
| 3.75x2.25 | 3.44x2.25 | 3.11x2.25 |           |

**Hybrid Splined Mainshafts** 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.

**113 Style 3rd and 4th Gears** require a stock VW early style synchro cone to be pressed on, welded, honed, surface ground.

**Hybrid 113/002 Style 3rd and 4th Gears** 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.

### 113 STYLE 3RD GEARS

### 113 STYLE 4TH GEARS

### HYBRID 113/002 3RDS

### HYBRID 113/002 4THS

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 1.84 | 1.26 | 1.26 | 1.84 | 1.56 | 1.30 | 1.50 | 1.22 | 0.93 |
| 1.60 |      |      | 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 (Weddle) | 3.88 Keyed (China) |
| 3.88 (Weddle) | 3.44 (Weddle)      |

### VW 002 BUS R&P SETS

|                  |                  |
|------------------|------------------|
| 4.86 (Weddle)    | 4.13 (Weddle)    |
| 4.57 (Weddle)    | 4.13 (Sportsman) |
| 4.57 (Sportsman) |                  |

# VW 091, 094 GEARS

## VW 091 GEARS

### 091 MAINSHAFTS (1STx2ND GEARS)

|           |           |           |
|-----------|-----------|-----------|
| 3.75x2.36 | 3.44x2.25 | 3.11x2.25 |
| 3.75x2.08 | 3.44x2.17 | 3.11x2.08 |
| 3.44x2.36 | 3.44x2.08 | 3.11x1.93 |

### 091 3RD GEARS

|      |      |      |
|------|------|------|
| 1.84 | 1.56 | 1.30 |
| 1.78 | 1.50 | 1.26 |
| 1.75 | 1.47 | 1.22 |
| 1.71 | 1.44 | 1.18 |
| 1.67 | 1.39 | 1.14 |
| 1.60 | 1.35 | 1.09 |

### 091 4TH GEARS

|      |      |      |
|------|------|------|
| 1.56 | 1.22 | 0.82 |
| 1.50 | 1.18 | 0.77 |
| 1.47 | 1.14 | 0.75 |
| 1.44 | 1.09 | 0.73 |
| 1.39 | 1.04 | 0.70 |
| 1.35 | 1.00 |      |
| 1.30 | 0.93 |      |
| 1.26 | 0.89 |      |

## VW 091 RING & PINION SETS

### 091 R&P SETS

|           |               |               |
|-----------|---------------|---------------|
| 5.86 (VW) | 5.14 (Weddle) | 4.13 (Weddle) |
| 5.50 (VW) | 4.86 (Weddle) |               |
| 5.43 (VW) | 4.57 (Weddle) |               |

## VW 094 GEARS

### 094 4-SPEED MAINSHAFTS

|           |           |
|-----------|-----------|
| 3.44x2.25 | 2.90x1.93 |
| 3.44x2.08 | 2.90x1.86 |

### 094 3RD GEARS

|      |      |      |
|------|------|------|
| 1.75 | 1.35 | 1.14 |
| 1.50 | 1.30 | 1.09 |
| 1.47 | 1.26 |      |
| 1.44 | 1.22 |      |
| 1.39 | 1.18 |      |

### 094 4TH GEARS

|      |      |      |      |
|------|------|------|------|
| 1.39 | 1.18 | 0.93 | 0.73 |
| 1.35 | 1.14 | 0.89 | 0.70 |
| 1.30 | 1.09 | 0.82 |      |
| 1.26 | 1.04 | 0.77 |      |
| 1.22 | 1.00 | 0.75 |      |

## VW 094 RING & PINION SETS

### 094 4-SPEED R&P SETS

|               |               |
|---------------|---------------|
| 5.43 (VW)     | 4.57 (Weddle) |
| 4.86 (Weddle) | 4.13 (Weddle) |

### 094 5-SPEED R&P SETS

|           |           |
|-----------|-----------|
| 5.50 (VW) | 4.83 (VW) |
|-----------|-----------|

### 094 4WD VANAGON SYNCRO R&P SETS

|                    |                     |
|--------------------|---------------------|
| 4.86 Rear (Weddle) | 6.17 Front (Weddle) |
| 4.57 Rear (Weddle) | 5.83 Front (Weddle) |

# WEDDLE HV GEARS

## HV2 4-SPEED GEARS

### HV24 MAINSHAFTS

|           |           |           |
|-----------|-----------|-----------|
| 3.44x2.17 | 3.11x1.93 | 2.90x2.08 |
| 3.11x2.17 | 3.11x1.86 | 2.90x1.93 |
| 3.11x2.08 | 2.90x2.17 | 2.90x1.86 |

### HV2 3RD GEARS

|      |      |      |      |
|------|------|------|------|
| 1.84 | 1.60 | 1.39 | 1.22 |
| 1.78 | 1.56 | 1.35 | 1.18 |
| 1.71 | 1.50 | 1.30 | 1.14 |
| 1.67 | 1.44 | 1.26 |      |

### HV2 4TH GEARS

|      |      |      |      |
|------|------|------|------|
| 1.67 | 1.44 | 1.26 | 1.09 |
| 1.60 | 1.39 | 1.22 | 1.04 |
| 1.56 | 1.35 | 1.18 | 1.00 |
| 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

|           |           |
|-----------|-----------|
| 3.11x2.17 | 2.90x2.17 |
| 3.11x2.08 | 2.90x2.08 |
| 3.11x1.93 | 2.90x1.86 |

### HV2 3RD GEARS

|      |      |      |
|------|------|------|
| 1.84 | 1.56 | 1.30 |
| 1.78 | 1.50 | 1.26 |
| 1.71 | 1.44 | 1.22 |
| 1.67 | 1.39 | 1.18 |
| 1.60 | 1.35 | 1.14 |

### HV2 4TH GEARS

|      |      |      |
|------|------|------|
| 1.67 | 1.39 | 1.18 |
| 1.60 | 1.35 | 1.14 |
| 1.56 | 1.30 | 1.09 |
| 1.50 | 1.26 | 1.04 |
| 1.44 | 1.22 | 1.00 |

### HV25 5TH GEARS

|      |      |      |
|------|------|------|
| 1.44 | 1.22 | 1.00 |
| 1.39 | 1.18 | 0.89 |
| 1.35 | 1.14 | 0.82 |
| 1.30 | 1.09 | 0.75 |
| 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

|           |           |
|-----------|-----------|
| 3.11x2.17 | 2.90x2.08 |
| 3.11x2.08 | 2.90x1.93 |
| 3.11x1.93 | 2.90x1.86 |

### MD4-2D 3RD GEARS

|      |      |      |
|------|------|------|
| 1.84 | 1.56 | 1.39 |
| 1.67 | 1.50 | 1.35 |
| 1.60 | 1.44 |      |

### MD4-2D 4TH GEARS

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 1.56 | 1.39 | 1.22 | 1.04 | 0.82 | 0.70 |
| 1.50 | 1.35 | 1.18 | 1.00 | 0.77 |      |
| 1.47 | 1.30 | 1.14 | 0.93 | 0.75 |      |
| 1.44 | 1.26 | 1.09 | 0.89 | 0.73 |      |

### MD4-2D RING & PINION SETS

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

# MD5 GEARS

## MD5-SPEED GEARS

### MD5 MAINSHAFTS

3.11x2.08

### MD5 3RD GEARS

1.84 1.56 1.39  
1.67 1.50 1.35  
1.60 1.44

### MD5 4TH GEARS

1.60 1.44 1.26 1.09  
1.56 1.39 1.22 1.04  
1.50 1.35 1.18 1.00  
1.47 1.30 1.14 0.93

### MD5 5TH GEARS

1.50 1.30 1.09 0.82  
1.47 1.26 1.04 0.77  
1.44 1.22 1.00 0.75  
1.39 1.18 0.93 0.73  
1.35 1.14 0.89 0.70

### MD5 RING & PINION SETS

5.43 (Weddle) 4.86 (Weddle)  
5.14 (Weddle)

# SEQUENTIAL GEARS

## S4 GEARS (4-SPEED)

### S4 1ST GEARS

3.27 3.09 2.91

### S4 2ND, 3RD, 4TH GEARS

2.21 1.93 1.56 1.37 1.20  
2.14 1.67 1.50 1.32 1.14  
2.08 1.59 1.44 1.26 1.10

## S5 GEARS (5-SPEED)

### S5 1ST GEARS

3.27 3.09 2.91

### S5 2ND GEARS

2.21 2.08  
2.14 1.93

### S5 3RD, 4TH, 5TH GEARS

1.86 1.67 1.50 1.32 1.14 1.00  
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)