

RY45 & VIPER V-10



All Ultra RY45 crankshafts are precisely machined for the revolutionary RY45 engine. No detail has been spared in producing the ultimate in strength and durability. RY45 crankshafts feature eight counterweights that are profiled with the unique windage reducing Ultra-Shed profiling. These billet crankshafts are machined from TimkenSteel 4330v steel that has been carefully Ion Nitrided for superior wear and fatigue characteristics.

Ultra Billet RY45

Available Options & Standard Features

- Stroke range = 3.500" to 4.000"
- RY45 Post and Flange
- Available Rod Journal Diameters
1.850", 1.888", 2.000", 2.100"
- Full internal balance and
Aeroshed surface treatment included

Contact the Callies sales team for a full list of part numbers and options.



For all-out performance Viper engine builds, your answer for durability is the Compstar billet crankshaft. Produced from 4340 steel that is heat treated multiple times before final nitride, these shafts are tough and wear resistant. Compstar Vipers can be ordered with either 58 or 10 tooth timing configurations. For improved rod journal oiling, these shafts feature straight shot oil holes running directly from mains to rods. Post bolt holes are deep drilled for 3/4 x 16 threads, significantly strengthening the accessory drive damper fit for super charger applications.

Compstar Viper V-10

Average weight = 82 lbs.

Standard Features

- 2.100" or 2.123" rod journal diameters
- Standard Viper V-10 main bearings
- 7/16 x 20 flange bolt holes
- Deep hole post drilling, 3/4 x 16 threads



Compstar Viper V-10

| Stroke: | Main: | Pin: | Cammed for Rod Length | Part # |
|---------|-------|-------|--------------------------|------------|
| 3.960 | 3.000 | 2.125 | 6.200 | KV329JH-CS |
| 4.200 | 3.000 | 2.100 | 6.200 | KV1291H-CS |



RY45 Ultra I-Beam - Rated for 2,000 HP

| Length | Journal | Typ. Wt. | Part # |
|--------|---------|----------|------------|
| 6.125 | 2.000 | 618g. | U14844-3.5 |

Viper V-10 Ultra Enforcer I-Beam

Rated up to 250 HP per cylinder

| Length | Journal | Typ. Wt. | Part # |
|--------|---------|----------|--------|
| 6.200 | 2.123 | 764g. | U14345 |

Viper V-10 Ultra H-Beam - Rated for 1,500 HP

| Length | Journal | Typ. Wt. | Part # |
|--------|---------|----------|--------|
| 6.200 | 2.100 | 660g. | U16120 |

Compstar Viper V-10 H-Beam - Rated for 1,000 HP

| Length | Journal | Typ. Wt. | Part # |
|--------|---------|----------|----------------|
| 6.150 | 2.125 | 630g. | CSD6150GS2E1AH |
| 6.250 | 2.125 | 628g. | CSD6250GS2E1AH |