

2024 American Flat Track Approved AFT Mission SuperTwins Engines, Updated 2/20/2024

The following list identifies all twin-cylinder engines approved for use in AFT Mission SuperTwins competition

Note: Engines used in AFT Mission SuperTwins that are derived from production street motorcycles may not exceed 800cc. Bore and stroke may be modified to meet this maximum displacement limit.

Aprilia:

- 990, V-Twin Aprilia-Rotax
- 660 Parallel Twin

BMW:

- 800 Parallel Twin, F-Series

Ducati:

- 821 V-Twin Testastretta 11°: four-valve, liquid-cooled
- 937 V-Twin Testastretta 11°: four-valve, liquid-cooled
- 959 V-Twin Superquadro

H-D:

- 750 V-Twin, XR750, 1972 - Current (race-only engine)
- 750 V-Twin, XG750R, 2015 - Current
- 750 V-Twin, Revolution X, XG750R 2017-Current

Honda:

- RS750 V-Twin (race only engine)
- 670 Parallel Twin
- 745 Parallel Twin (NC750X)
- 755 Parallel Twin (CB750, XL750)
- 998 Parallel Twin (CRF1000)

Husqvarna:

- 890 Parallel Twin, 2022 - Current

Indian:

- 750, V-Twin FTR (race-only engine)
- 983, V-Twin Scout 60

Kawasaki:

- 649 Parallel Twin

KTM:

- 950, 990, V-Twin LC8 (2003-2013)
- 799 Parallel Twin LC8c, 2018 - Current
- 890 Parallel Twin LC8c, 2020 - Current

Royal Enfield:

- 650 Parallel Twin (2019-Current)

Suzuki:

- 649 V-Twin (SV)
- 776 Parallel Twin (800DE, GSX-8S)
- 996 V-twin (1997-2007, TL, SV, DL)

Triumph:

- 900 Parallel Twin, T100
- 865 Parallel Twin

Yamaha:

- 689 Parallel Twin