

Engine
Chassis
Transmission
Electric Mobility



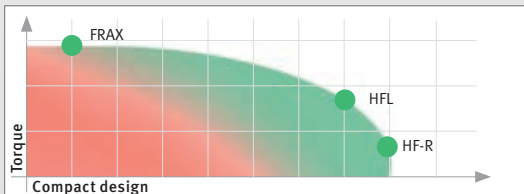
One-way clutches for e-bikes

Compact and precise
with high
performance



SCHAEFFLER

Drawn cup roller clutches



	HF	HFL	HF-R	FRAX
Designation	HF	HFL	HF-R	FRAX
For steel housings	✓	✓		✓
For aluminum housings	✓	✓		✓
For plastic housings			✓	
With integrated bearing support		✓	✓	

Description

Drawn cup roller clutches are one-way clutches comprising thin-walled outer rings, cage, and needle rollers.

Drawn cup roller clutches can be used in a wide range of applications, for example as:

- Shifting elements
- Back-stopping clutches
- Overrunning clutches
- Complete system solutions

Functional advantages

- Compact/downsizing
- Precise shifting (fast)
- For highly-dynamic applications
- Transfer of high torques

Product benefits

- Decoupling of motor and drive train
- Increased power density
- Reduced shift angle
- Increased ride comfort