

Type	Cassette	Spacer Needed?
Shimano HG MTB	8-10 Speed Road	No
	8-12 Speed MTB	No

Shimano HG 11 and 12 Speed Road cassettes are NOT Compatible

Type	Cassette	Spacer Needed?
Shimano HG Road	8-10 Speed Road	1.8mm Spacer
	8-12 Speed MTB (11 tooth smallest sprocket)	1.8mm Spacer
	11 Speed Road	No
	12 Speed Road	No

Type	Cassette	Spacer Needed?
SRAM XD	11-12 Speed MTB	No

SRAM XDR 12 Speed Road and XPLR cassettes are NOT Compatible

Type	Cassette	Spacer Needed?
SRAM XDR	11-12 Speed MTB	1.8mm Spacer
	12 Speed Road	No

Type	Cassette	Spacer Needed?
Shimano Microspline	11-12 Speed MTB (10 tooth smallest sprocket)	No

Type	Cassette	Spacer Needed?
Campagnolo ED	9/10/11/12 Speed	No

Type	Cassette	Spacer Needed?
Campagnolo N3W	13 Speed	No
	9/10/11/12 Speed	Aftermarket Adaptor



36.75mm



38.55mm



28.5mm



31.3mm



26mm



36mm



31.6mm