Supporting Information for the article:

Orientational dynamics of colloidal ribbons self-assembled from microscopic magnetic ellipsoids.

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Supporting Videos.

MovieS1(.WMV): ribbon composed of 5 hematite ellipsoids reorienting perpendicular to the direction of an oscillating field direction. The applied field has amplitude H = 1600A m⁻¹ and angular frequency $\omega = 314.1$ rad s⁻¹. The video corresponds to Fig.3(a) of the manuscript.

MovieS2(.WMV): ribbon composed of 6 hematite ellipsoids and subjected to an external oscillating magnetic field with amplitude H = 2780A m⁻¹ and angular frequency $\omega = 314.1$ rad s⁻¹. Given the high amplitude of the field, the individual ellipsoids follow synchronously the external field and the ribbon break into pieces rather than reorienting as a whole. The video corresponds to the inset in Fig.3(d) of the manuscript.