

roue dentée

The gear represents a fundamental step in the evolution of technology. Unlike the simple wheel, which is used primarily for movement, the gear enables the transmission and transformation of motion. When several gears mesh together, they alter the speed, direction, or power of a mechanism. Clocks, mills, mechanical looms, and industrial machines rely heavily on this principle. The gear marks a decisive turning point in the history of mechanics: movements cease to be isolated and instead form organized systems. Studying it helps us understand how human societies gradually learned to coordinate complex operations. The image of the gear has also become a metaphor for collective work. Each wheel depends on the others to function.