

## FLAT BALL BEARING



Dimension: 60x60x95 cm

**Description:** A system of 8 spheres that allows two surfaces to glide without friction.

Leonardo da Vinci (1452-1519) studied the friction with some experiments and he planned some systems to decrease it.

During his studies about the friction, he realized the possibility to create a kind of *primordial* bearing.

He understood that the spheres shouldn't touch each other otherwise one of them would turn the other in its opposite direction.

So to avoid the friction between two level surfaces, Leonardo invented a system of 8 spheres separated that allowed the movement of the surfaces without any problem.

The structure of the bearing invented by Leonardo in 1500 is the same even today.