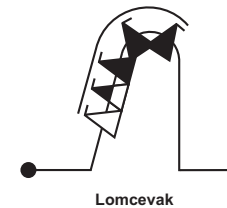


# Lomcevak (tumble)

# Knife-Edge Spin

## Lomcevak (lum-shu-vác)

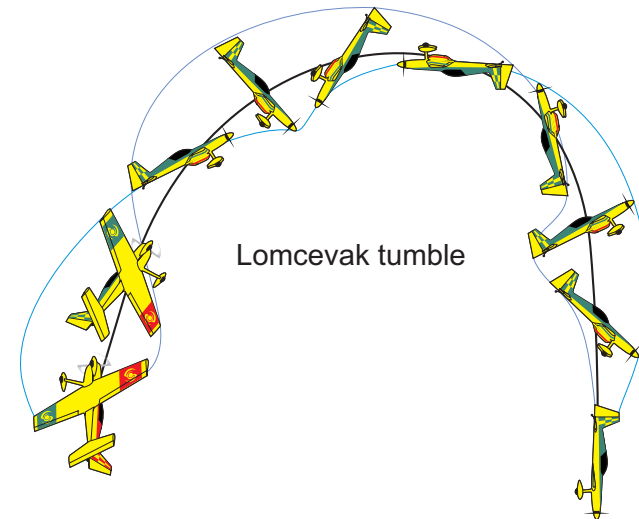
This program will feature one 3D freestyle maneuver for show. For those who have not already observed 3D flying, the simplest explanation of 3D flying is any maneuver in which the airplane is seen to do things that one would not normally expect an airplane to be able to do. 3D maneuvers have names like the *blender*, the *waterfall*, the *harrier*, and the granddaddy of 3D maneuvers that started it all, the *lomcevak* (a Czech word used to describe the unbalanced swaying of a person who has had too much to drink).



The lomcevak variant featured here starts out as inside snap rolls on a near vertical upline, and then by transitioning the elevator to full forward, the airplane is made to tumble forward end over end.

The reason for featuring the lomcevak in an *Aerobatics* program is that it is possible to achieve the end over end lomcevak tumble with conventional aerobatic control surface throws by harnessing gyroscopic precession to effect the tumble (as opposed to huge control throws and extensive programming).

Some thoughts on the lomcevak from one who grew up in Oshkosh, Wisconsin, home of the Experimental Aircraft Association and the world's largest civilian aviation convention and airshow, and a veteran of several hundred airshows: As a show maneuver, the catch 22 of tumbling gyroscopic maneuvers like the lomcevak is that if performed early in one's routine, spectators tend to expect the rest of the maneuvers to be just as sensational. If not, their impression of the flight—and interest—tends to diminish. However, if the pilot continually performs tumbling maneuvers, after about the 2nd or 3rd one, spectators start losing interest watching “another tumble.”



As a show maneuver, the lomcevak has a greater effect on spectators when performed near the end of a flight, or as the flight's finale: After landing, you will likely have people coming up to you reflecting the obvious impression your flight made upon them. Whereas, those who tumble continuously, land only to notice people have been going about their own business!

KPTR: The lomcevak should satisfy the urge to go *wild* from time to time—without needing to radically reconfigure one's entire plane and radio setup.