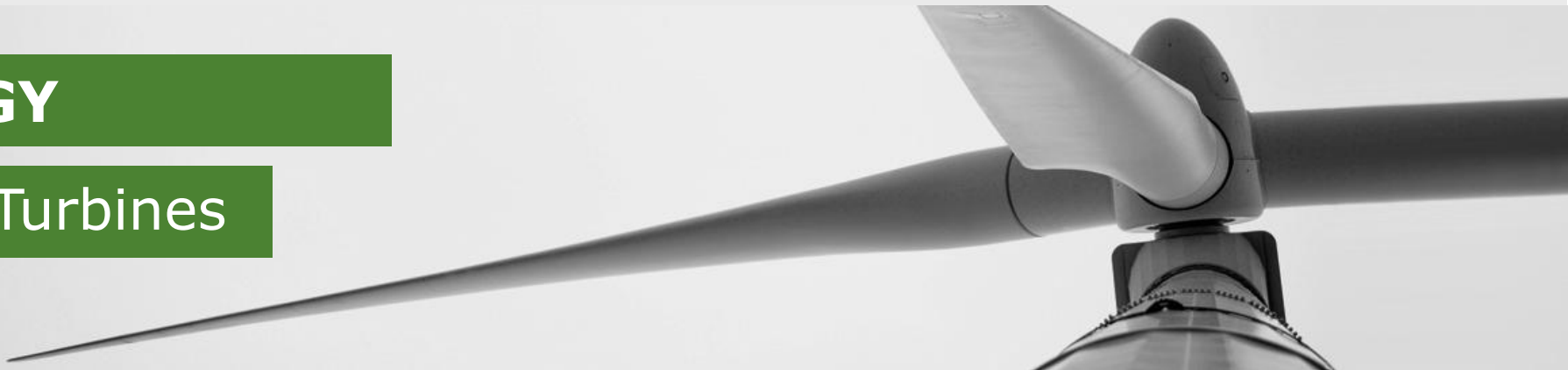


ENERGY

Water Turbines



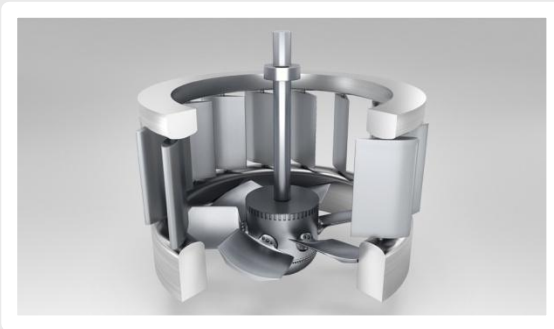
Kaplan Blades



Francis Blades

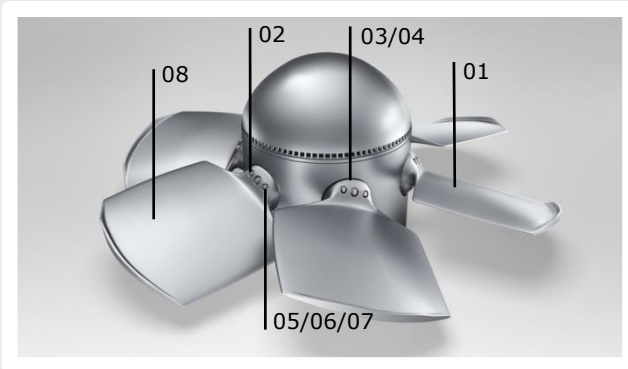


Pelton Wheels



Wicket Gates

Solutions for Kaplan blades



03 Walter Xtra·tec® porcupine cutter F4238 for roughing the outer diameter of the blade flange



07 Walter MODCO® back spot facing tool for machining of counter bores on the blade flange



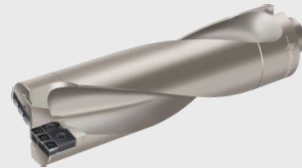
04 Walter helical milling cutter F1682 for finishing the outer diameter of the blade flange



08 Walter copy milling cutter F2334R for finishing the airfoil



01 Walter heavy duty milling cutter F2260 for roughing the airfoil and the blade flange



05 Walter Xtra·tec® Insert Drill B4213 for solid drilling of the core holes on the blade flange



02 Walter adjustable face milling cutter F2010 for finishing the blade flange



06 Walter PrecisionDIGITAL for precision boring of the core holes on the blade flange



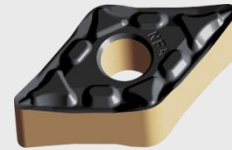
09 Walter ball nose cutter F2239 for machining the transition radius



Solutions for Francis blades



01 Walter Tiger·Tec® WSM20 grade for roughing the linear dimensions and the outer diameters



02 Walter Tiger·Tec® WSM20 grade for finishing the linear dimensions and the outer diameters

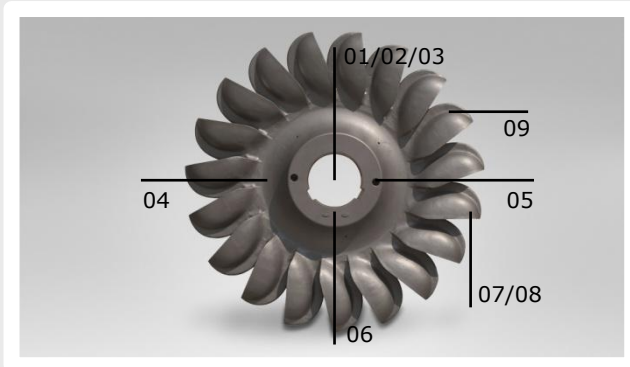


03 Walter high feed cutter F2330 for machining the airfoils



04 Walter Prototyp ConeFit™ Protostar N40 ball nose cutter for machining the transition radius

Solutions for Pelton wheels



03 Walter Capto™ for finish turning the centre hole



04 Walter Turn Capto™ 45° for contour rough and finish turning



07 Walter copy milling cutter F2334R for opening cups



08 Walter Xtra·tec® high performance cutter F4030 for semi-finishing cups



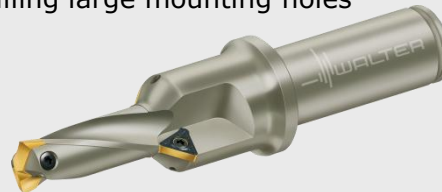
01 Walter Xtra·tec® Insert Drill B4213 for drilling the centre hole



05 Walter Xtra·tec® Insert Drill B4215 for drilling large mounting holes



02 Walter Capto™ for rough turning the centre hole

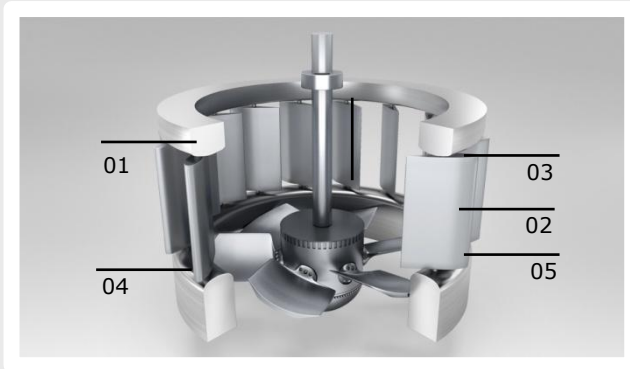


06 Walter Xtra·tec® Point Drill B4012C for drilling and chamfering small mounting holes



09 Walter ball nose cutter F2139 for finishing cups

Solutions for Wicked gates



01 Walter Tiger·Tec® WSM grade for turning the wicked gate shaft



02 Walter shoulder milling cutter Walter BLAXX F5141 for roughing the airfoil



03 Walter heavy duty milling cutter F2260 for roughing the airfoil top and bottom face



04 Walter ball nose cutter F2239 for machining the transition radius



05 Walter copy milling cutter F2334R for finishing the airfoil