

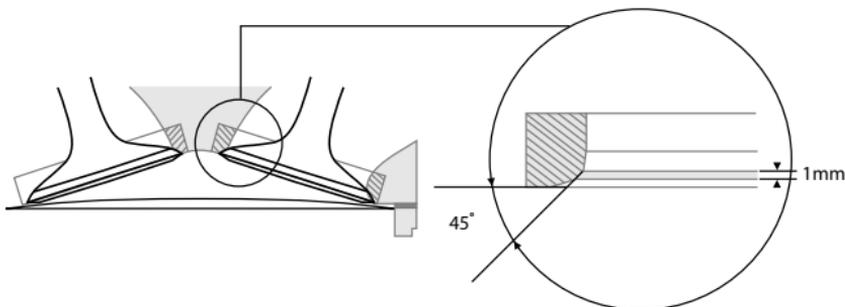
Technical instructions for Titanium valves

Congratulations, you have purchased a high quality ProX Titanium Engine Valve. This valve is manufactured in Europe to the highest quality standards and specifications. By using the latest state of the art Titanium material and coating, the valves have improved properties over the original item.

We would like to support you to achieve maximum durability. Titanium is a very exotic material which requires you to work after following installation instructions.

Installation instruction

1. Do not touch the valve surface with your bare hands, use gloves or pre lube the valve with engine oil, these precautionary measures will reduce the risk of corroding the coating.
2. **Never** use a lapping compound on a new valve, take a dummy valve to do this grinding operation.
3. Please take notice; during every rebuild the valve seats must be machined, this to assure a 100 % valve to seat contact and making the seat free from the hardened shell. The width of the contact zone on a valve seat with the valve face should be at least 1mm. In general the angle is 45°, however consult the O.E.M. specification first.



4. New valve seats should be soft, material as Nodular Iron, Bronze, or Beryllium-Copper, all heat treated to Rockwell, RC32 or less. Most of the original valve seats used in combination with titanium valves are made of such an alloy.

Attention!

After every rebuild the seat is getting thinner which makes the heat transfer worse, increasing the natural hardening process. The back set position of the valve (Recess) after every time one machines the valve seat, worsening the engine's breathing. Besides of reducing the engine's efficiency this also effects the cooling down effect negatively.

5. Use only original valve springs or ones with forces not exceeding the originals.

This part is especially designed and manufactured for competition use only and is sold "As-is without warranty". We expect to have informed you as much as possible in order to get the best performance out off a ProX Titanium Engine Valve! The nature of competition use, however, obliges the manufacturer to make the following disclaimer:

The entire risk as to quality and performance is with the buyer. If you are unable to accept these conditions of sale, please return the part, before fitting, to the retailer for a full refund.

The ProX Team wishes you many winning races.

