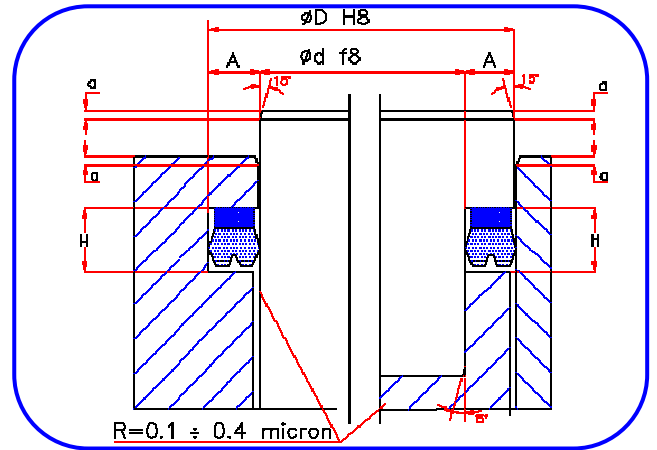


CARCOTEX UG ONE



Carcotex /UG/ONE. It provides the best solution for blade roots of Kaplan water turbines. This seal consists of full rubber PTFE filled top vulcanized together with a very strong base made of special fibers reinforced material. **Carcotex/UG/ONE doesn't require initial compression nor periodical adjustments.** The bottom side prevents extrusion even with large cylinder/piston clearance.

It may be supplied endless or split, vulcanized on site (VSP).

Today we have mainly 3 standard materials.

MATERIAL		Temperature (°C)	Pressure (MPa)
Code	Type		
S820	NBR	-40 ÷ 120	35
HT720	HNBR	-40 ÷ 170	35
Z420	Viton	-30 ÷ 200	35

On request our "Carcoflon" treatment that gives a considerable reduction of dry friction coefficient between rubber & metal.

Surface finish		
Surface roughness	Ra	Rt
Sliding surface	≤0,4 mm	≤4 mm
Outside Diameter of seal housing	≤1,8 mm	≤10 mm
End faces of seal housing	≤3 mm	≤16 mm

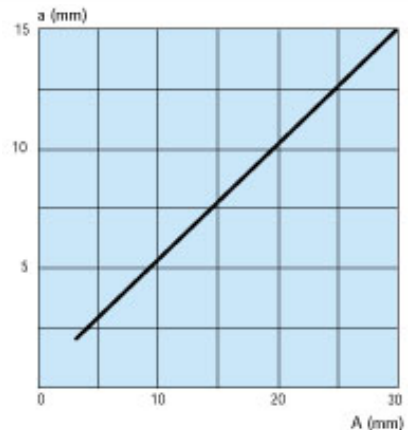
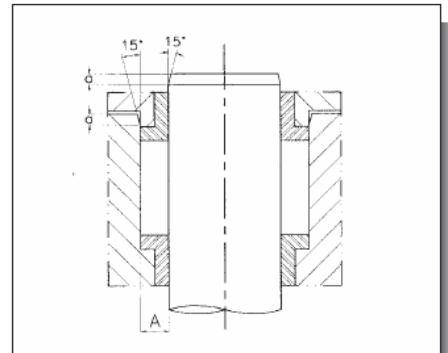
d [mm]	H [mm]	
< 500	H	+ 0,25 -0
> 500	H	+ 0,4 -0

DESIGN

Carcotex are suitable for both rod (ROS) and piston (PIS) fitting.

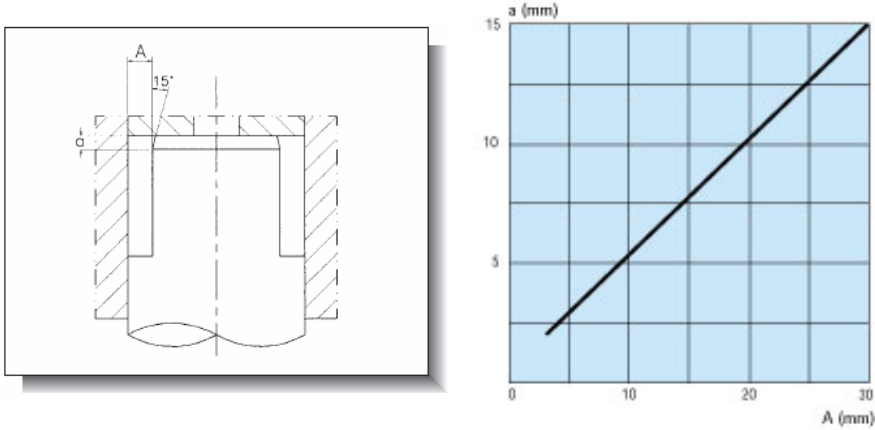
Cylinder assembly

In order to facilitate installation a 15° chamfer on cylinder and piston is required. The chamfer length "a" is function of cross section "A" as shown in fig. below.



Piston assembly

In case Carcotex is fitted on piston a 15° chamfer of length “a” function of the cross section “A” as given by fig. below is required



Please contact our technical dept for details.

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