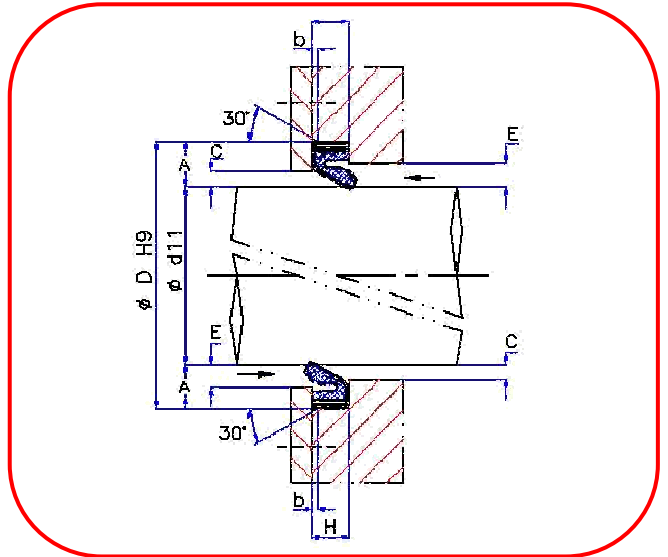


## CARCOSEAL TM/FR



Carcoseal / TM / FR seals are installed behind the cutting head to protect the bearings from water, slurries, highly abrasive dust and grit. Manufactured from elastomer, if necessary the lip may have a further enhancement represented by an O-Ring.

d (mm)	HxA (mm)	b (mm)	E (mm)	C (mm)	H (mm)
100 + 250	16 x 20	2,0	9	4	16 ±0,1
250 + 400	20 x 22	2,2	11	6	20 ±0,2
400 + 600	22 x 25	2,5	11	7	22 ±0,2
> 600	25 x 32	3,2	14	8	25 ±0,2

Standard section related to shaft diameters.

Surface finish		
Surface roughness	Min	Max
Ra	0,2 μm	0,8 μm
Rt	1 μm	4 μm



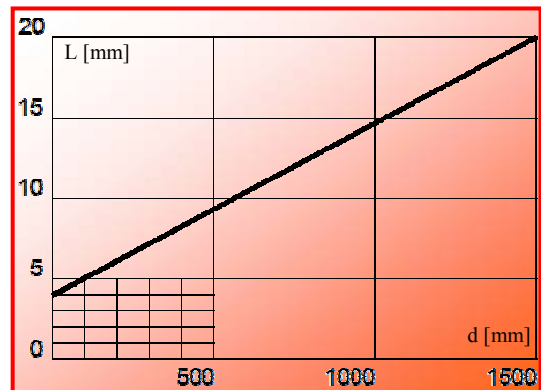
Our sealing systems are mainly produced with elastomers.

MATERIAL		Temperature (°C)	Speed (m/s)	Pressure (MPa)
Code	Type			
S820	NBR	-40 ÷ 120	2	0,5
HT720	HNBR	-40 ÷ 170	2	0,5
Z420	VITON	-30 ÷ 200	2	0,5

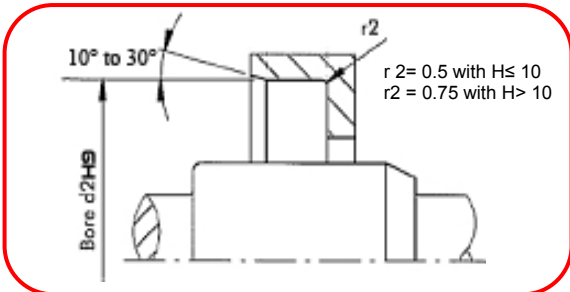
Our three standard materials are designed to cope with above mentioned working conditions .

**All our products undergo our exclusive Carcoflon treatment which gives considerable reduction of the dry friction coefficient.**

To facilitate the installation the shaft should have a chamfer with length "L" as function of its diameter "d" as indicated in graph below.



Each particular shaft size seal will have a corresponding bore and width dimension. It's important that the bore be finished smooth and free from longitudinal scratches which could provide leakage path; also that a generous lead-in chamfer is incorporated on the leading edge of the housing to facilitate fitting.



**Total eccentricity: ± 2 mm**

**Please contact our technical dept for details.**

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