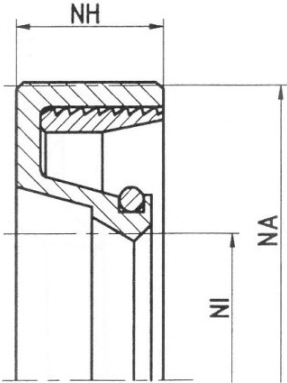


Seal Data Sheet Applies to Profile: R1

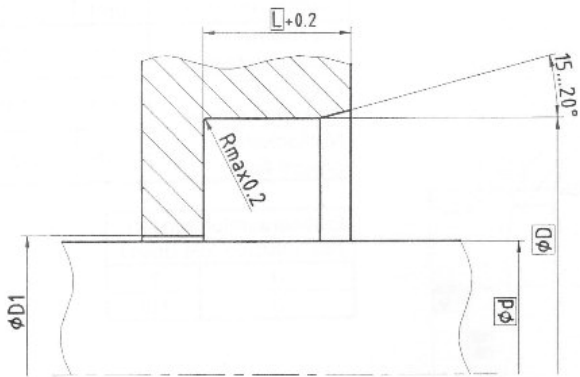


Operating Parameters:

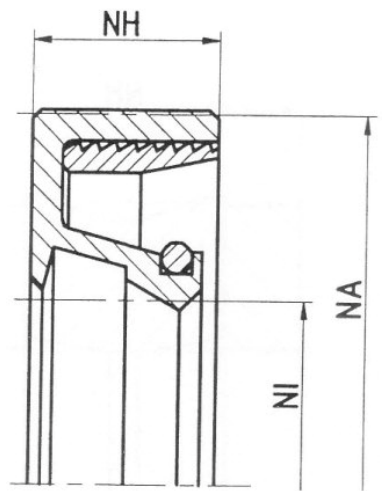
Sealing Element	Energizer	Temperature	Max. Surface Speed	Max. Pressure
H-PUR	Cast Nylon/PTFE	-30 'C ... +80 'C	5 m/s	0.5 bar (0.05 MPa)
ECOPUR		-30 'C ... +80 'C	5 m/s	0.5 bar (0.05 MPa)
H-ECOPUR		-20 'C ... +80 'C	5 m/s	0.5 bar (0.05 MPa)
Nitrile Rubber (NBR)		-30 'C ... +80 'C	10 m/s	0.5 bar (0.05 MPa)
Viton Rubber		-30 'C ... +80 'C	10 m/s	0.5 bar (0.05 MPa)
EPDM Rubber		-30 'C ... +80 'C	10 m/s	0.5 bar (0.05 MPa)
PTFE		-30 'C ... +80 'C	10 m/s	0.5 bar (0.05 MPa)
PTFE (glmos 2 filled)		-30 'C ... +80 'C	10 m/s	0.5 bar (0.05 MPa)

The stated operation conditions represent general indications. It is recommended not to use all maximum values simultaneously. Surface speed limits apply only to the presence of adequate lubrication film.

SEAL HOUSING



Seal Data Sheet Applies to Profile: R2

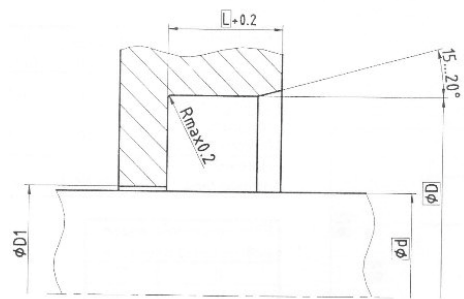


Operating Parameters:

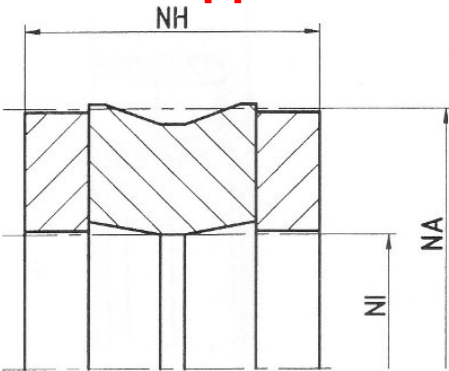
Sealing Element	Energizer	Temperature	Max. Surface Speed	Max. Pressure
H-PUR	Cast Nylon/PTFE	-30 'C ... +80 'C	5 m/s	0.5 bar (0.05 MPa)
ECOPUR		-30 'C ... +80 'C	5 m/s	0.5 bar (0.05 MPa)
H-ECOPUR		-20 'C ... +80 'C	5 m/s	0.5 bar (0.05 MPa)
Nitrile Rubber (NBR)		-30 'C ... +80 'C	10 m/s	0.5 bar (0.05 MPa)
Viton Rubber		-30 'C ... +80 'C	10 m/s	0.5 bar (0.05 MPa)
EPDM Rubber		-30 'C ... +80 'C	10 m/s	0.5 bar (0.05 MPa)
PTFE		-30 'C ... +80 'C	10 m/s	0.5 bar (0.05 MPa)
PTFE (glmos 2 filled)		-30 'C ... +80 'C	10 m/s	0.5 bar (0.05 MPa)

The stated operation conditions represent general indications. It is recommended not to use all maximum values simultaneously. Surface speed limits apply only to the presence of adequate lubrication film.

SEAL HOUSING



Seal Data Sheet **Applies to Profile: R3**

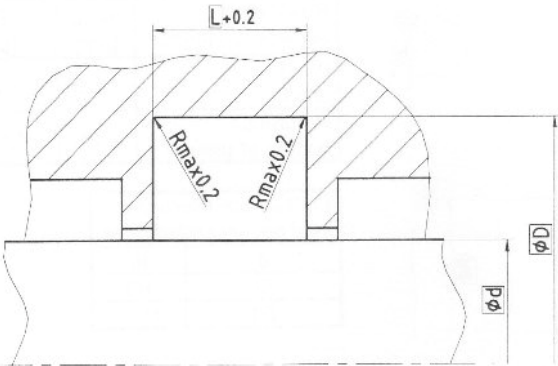


Operating Parameters:

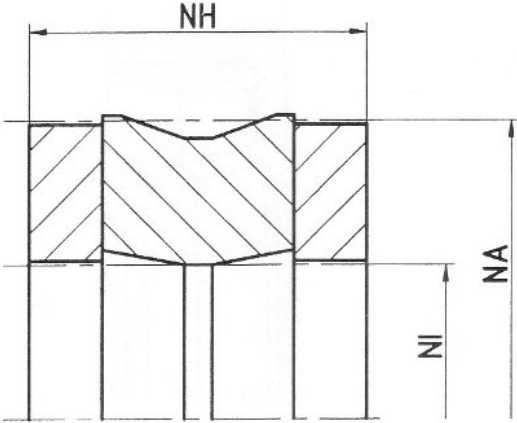
Sealing Element	Energizer	Temperature	Max. Surface Speed	Max. Pressure
H-PUR	Cast Nylon/PTFE	-30 'C ... +100 'C	0.2 m/s	400 bar (40 MPa)
ECOPUR	Cast Nylon/PTFE	-30 'C ... +100 'C	0.2 m/s	400 bar (40 MPa)
H-ECOPUR		-20 'C ... +100 'C	0.2 m/s	400 bar (40 MPa)
Nitrile Rubber (NBR)		-30 'C ... +100 'C	0.2 m/s	250 bar (25 MPa)
Viton Rubber		-30 'C ... +100 'C	0.2 m/s	250 bar (25 MPa)

The stated operation conditions represent general indications. It is recommended not to use all maximum values simultaneously. Surface speed limits apply only to the presence of adequate lubrication film.

SEAL HOUSING



Seal Data Sheet Applies to Profile: R3

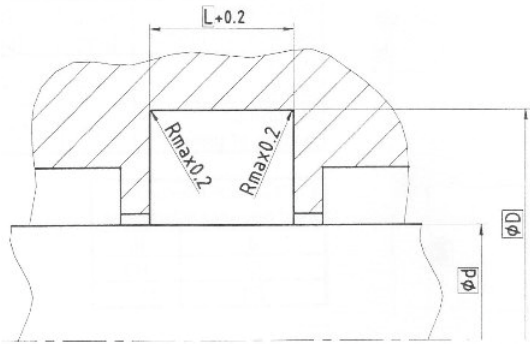


Operating Parameters:

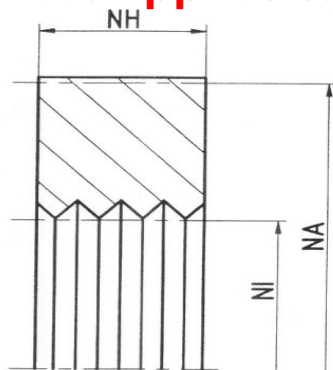
Sealing Element	Energizer	Temperature	Max. Surface Speed	Max. Pressure
H-PUR	Cast Nylon/PTFE	-30 'C ... +100 'C	0.2 m/s	400 bar (40 MPa)
ECOPUR	Cast Nylon/PTFE	-30 'C ... +100 'C	0.2 m/s	400 bar (40 MPa)
H-ECOPUR		-20 'C ... +100 'C	0.2 m/s	400 bar (40 MPa)
Nitrile Rubber (NBR)		-30 'C ... +100 'C	0.2 m/s	250 bar (25 MPa)
Viton Rubber		-30 'C ... +100 'C	0.2 m/s	250 bar (25 MPa)

The stated operation conditions represent general indications. It is recommended not to use all maximum values simultaneously. Surface speed limits apply only to the presence of adequate lubrication film.

SEAL HOUSING



Seal Data Sheet **Applies to Profile: R4**

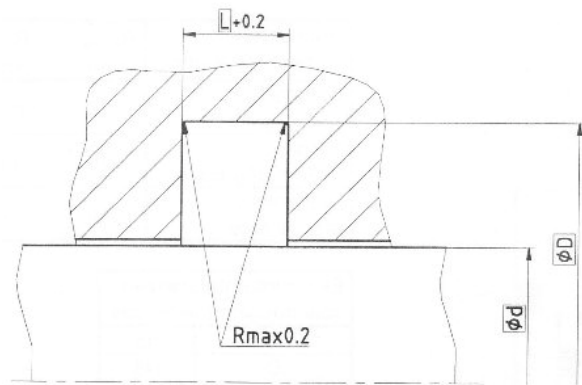


Operating Parameters:

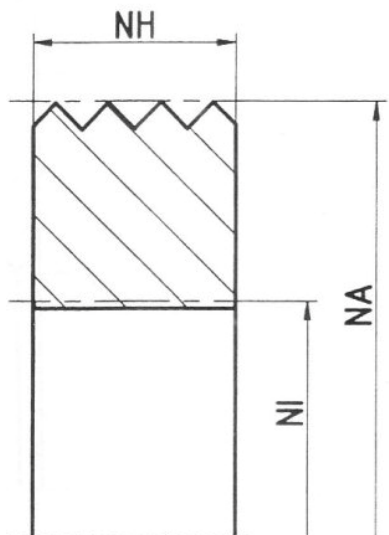
Material	Temperature	Max. Surface Speed	Max. Pressure
H-PUR	-30 'c ... +110 'c	0.2 m/s	160 bar (16 MPa)
ECOPUR	-30 'c ... +110 'c	0.2 m/s	160 bar (16 MPa)
H-ECOPUR	-20'c ... +110 'c	0.2 m/s	160 bar (16 MPa)
Nitrile Rubber (NBR)	-30'c ... +100 'c	0.2 m/s	100 bar (10 MPa)
Viton Rubber	-20'c ... +200 'c	0.2 m/s	100 bar (10 MPa)
EPDM Rubber	-50'c ... +150 'c	0.2 m/s	100 bar (10 MPa)

The stated operation conditions represent general indications. It is recommended not to use all maximum values simultaneously. Surface speed limits apply only to the presence of adequate lubrication film.

SEAL HOUSING



Seal Data Sheet **Applies to Profile: R5**

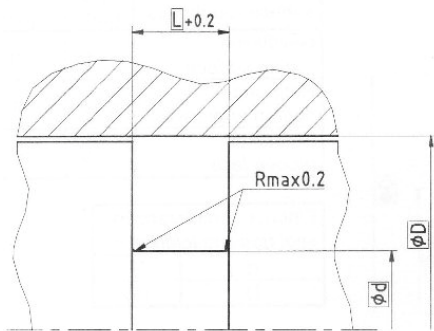


Operating Parameters:

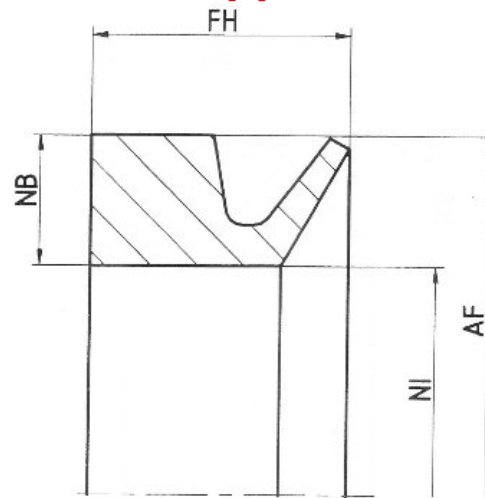
Material	Temperature	Max. Surface Speed	Max. Pressure
H-PUR	-30 'c ... +110 'c	0.2 m/s	160 bar (16 MPa)
ECOPUR	-30 'c ... +110 'c	0.2 m/s	160 bar (16 MPa)
H-ECOPUR	-20'c ... +110 'c	0.2 m/s	160 bar (16 MPa)
Nitrile Rubber (NBR)	-30'c ... +100 'c	0.2 m/s	100 bar (10 MPa)
Viton Rubber	-20'c ... +200 'c	0.2 m/s	100 bar (10 MPa)
EPDM Rubber	-50'c ... +150 'c	0.2 m/s	100 bar (10 MPa)

The stated operation conditions represent general indications. It is recommended not to use all maximum values simultaneously. Surface speed limits apply only to the presence of adequate lubrication film.

SEAL HOUSING



Seal Data Sheet **Applies to Profile: R6**

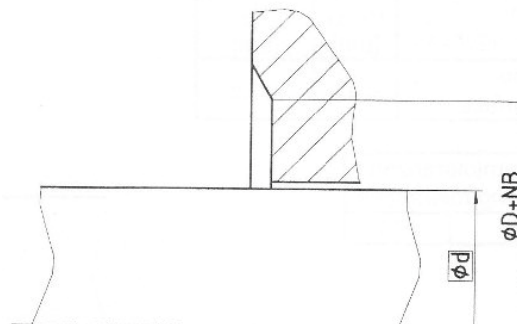


Operating Parameters:

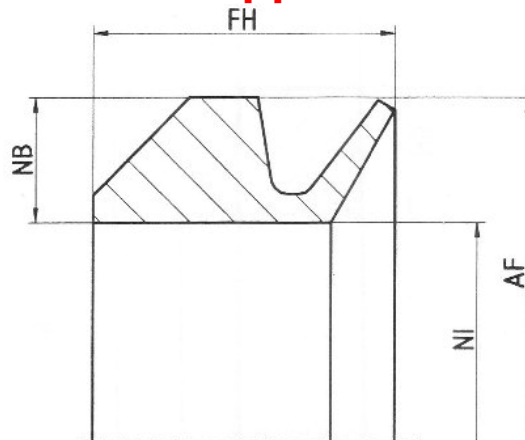
Material	Temperature	Max. Surface Speed	Max. Pressure
H-PUR	-30 'c ... +110 'c	25 m/s	
ECOPUR	-30 'c ... +110 'c	25 m/s	-
H-ECOPUR	-20'c ... +110 'c	25 m/s	-
Nitrile Rubber (NBR)	-30'c ... +100 'c	25 m/s	-
Viton Rubber	-20'c ... +200 'c	25 m/s	-
EPDM Rubber	-50'c ... +150 'c	25 m/s	-

The stated operation conditions represent general indications. It is recommended not to use all maximum values simultaneously. Surface speed limits apply only to the presence of adequate lubrication film.

SEAL HOUSING



Seal Data Sheet **Applies to Profile: R7**

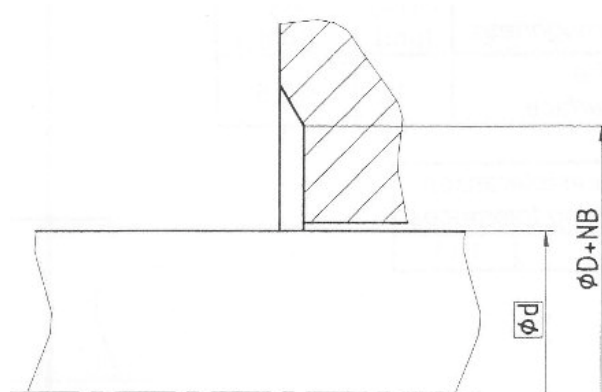


Operating Parameters:

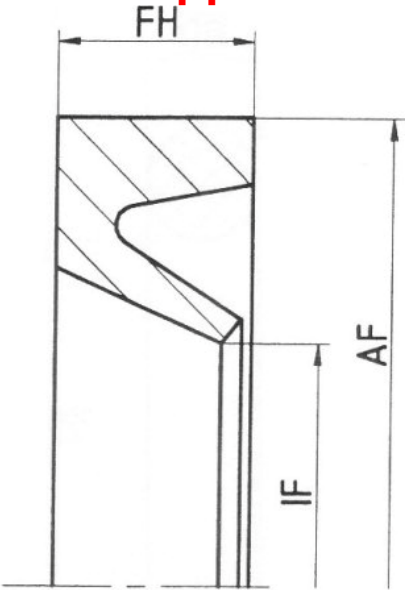
Material	Temperature	Max. Surface Speed	Max. Pressure
H-PUR	-30 'c ... +110 'c	25 m/s	
ECOPUR	-30 'c ... +110 'c	25 m/s	-
H-ECOPUR	-20'c ... +110 'c	25 m/s	-
Nitrile Rubber (NBR)	-30'c ... +100 'c	25 m/s	-
Viton Rubber	-20'c ... +200 'c	25 m/s	-
EPDM Rubber	-50'c ... +150 'c	25 m/s	-

The stated operation conditions represent general indications. It is recommended not to use all maximum values simultaneously. Surface speed limits apply only to the presence of adequate lubrication film.

SEAL HOUSING



Seal Data Sheet **Applies to Profile: R8**

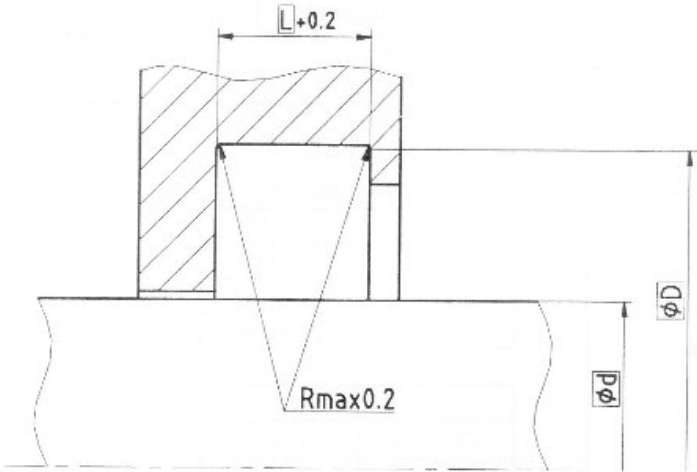


Operating Parameters:

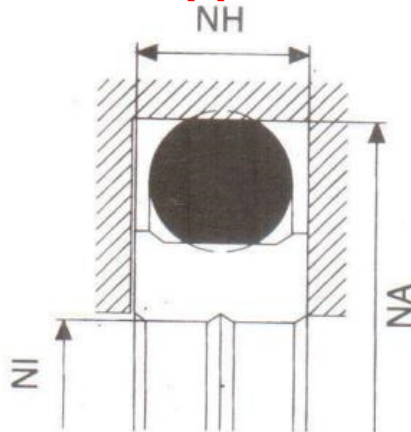
Material	Temperature	Max. Surface Speed	Max. Pressure
All materials possible	Choice is dependent upon application (preload,...)		

The stated operation conditions represent general indications. It is recommended not to use all maximum values simultaneously. Surface speed limits apply only to the presence of adequate lubrication film.

SEAL HOUSING



Seal Data Sheet **Applies to Profile: R9**

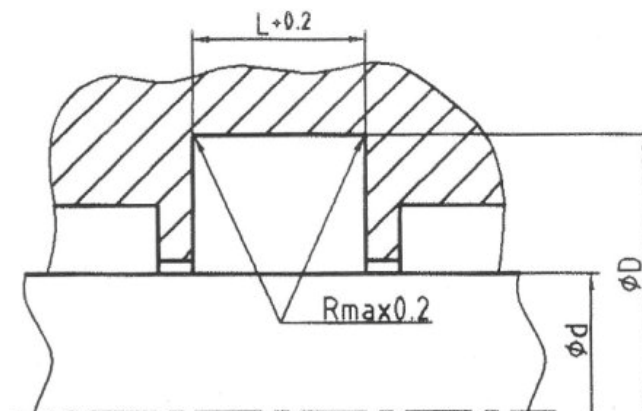


Operating Parameters:

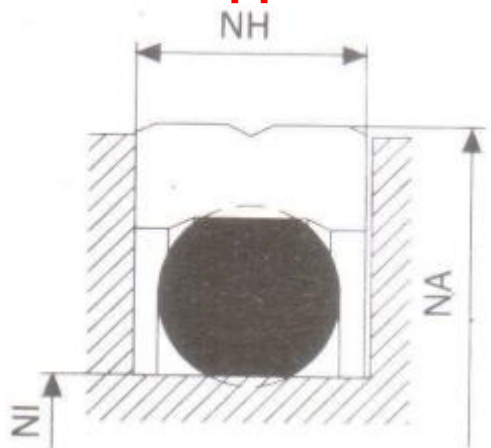
Material	Ring	Temperature	Max. Surface Speed	Max. Pressure
H-PUR	Viton Rubber/NBR	-30 'c ... +110 'c	0.2 m/s	160 bar (16 MPa)
ECOPUR	Viton Rubber/NBR	-30 'c ... +110 'c	0.2 m/s	160 bar (16 MPa)
H ECOPUR		-20'c ... +110 'c	0.2 m/s	160 bar (16 MPa)
PTFE (glmos 2 filled)		-30'c ... +100 'c	0.2 m/s	100 bar (10 MPa)
PTFE (40% bronze filled)		-20'c ... +200 'c	0.2 m/s	100 bar (10 MPa)

The stated operation conditions represent general indications. It is recommended not to use all maximum values simultaneously. Surface speed limits apply only to the presence of adequate lubrication film.

SEAL HOUSING



Seal Data Sheet Applies to Profile: R10

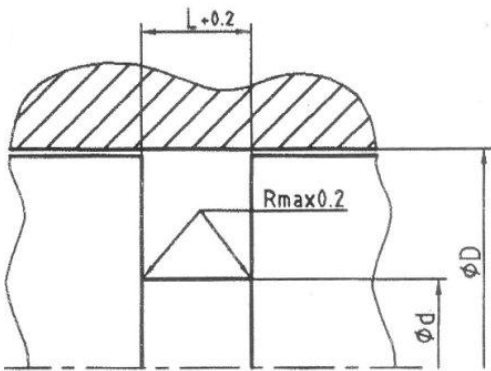


Operating Parameters:

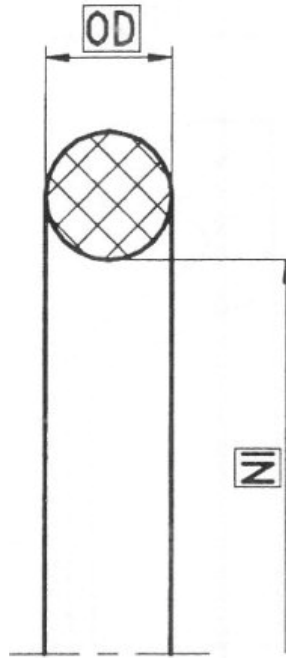
Material	Ring	Temperature	Max. Surface Speed	Max. Pressure
H-PUR	Viton Rubber/NBR	-30 'c ... +110 'c	0.2 m/s	160 bar (16 MPa)
H ECOPUR		-20'c ... +110 'c	0.2 m/s	160 bar (16 MPa)
PTFE (glmos 2 filled)		-30'c ... +100 'c	0.2 m/s	100 bar (10 MPa)
PTFE (40% bronze filled)		-20'c ... +200 'c	0.2 m/s	100 bar (10 MPa)

The stated operation conditions represent general indications. It is recommended not to use all maximum values simultaneously. Surface speed limits apply only to the presence of adequate lubrication film.

SEAL HOUSING



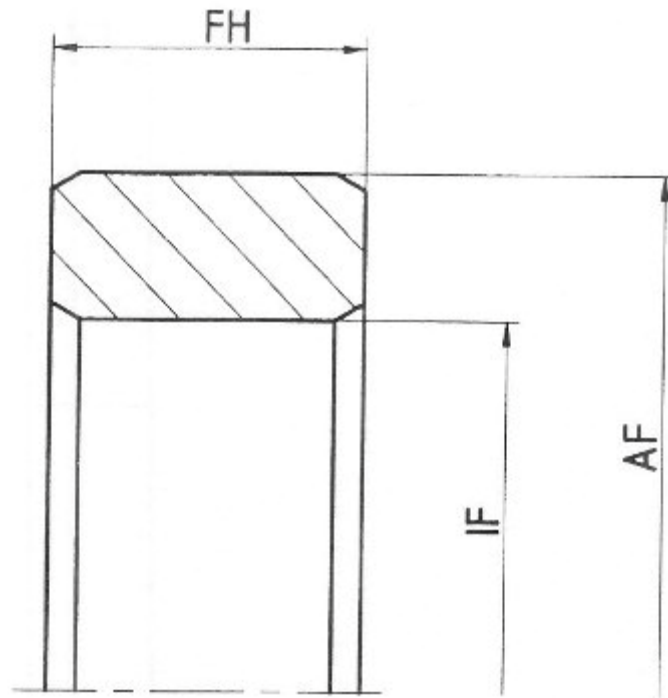
Seal Data Sheet **Applies to Profile: R0-13**



Operating Parameters:

Material	Temperature	Max. Surface Speed	Max. Pressure
H-PUR	-30 'c ... +110 'c -	-	600 bar (60 MPa)
ECOPUR	-30 'c ... +110 'c -	-	600 bar (60 MPa)
H-ECOPUR	-20'c ... +110 'c -	-	600 bar (60 MPa)
Nitrile Rubber (NBR)	-30'c ... +100 'c -	-	160 bar (16 MPa)
Viton Rubber	-20'c ... +200 'c -	-	160 bar (16 MPa)
EPDM Rubber	-50'c ... +150 'c -	-	160 bar (16 MPa)

Seal Data Sheet **Applies to Profile: R14**



Operating Parameters:

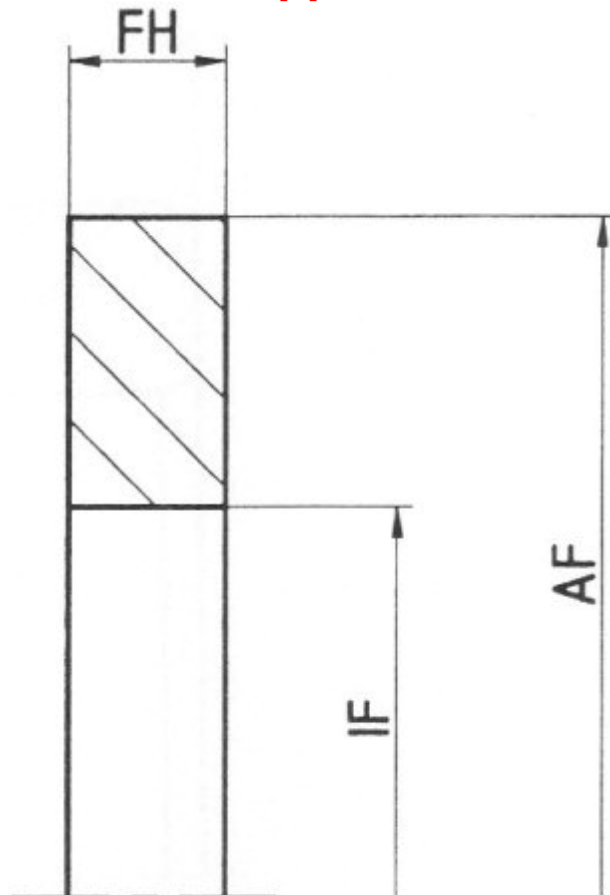
Material	Temperature	Max. Surface Speed	Max. Pressure
All materials possible	Choice is dependent upon application (preload,...)		

The stated operation conditions represent general indications. It is recommended not to use all maximum values simultaneously. Surface speed limits apply only to the presence of adequate lubrication film.

SEAL HOUSING

Seal housing is dependent upon application (e.g. a bearing box) according to profile description

Seal Data Sheet **Applies to Profile: R15**



Operating Parameters:

Material	Temperature	Max. Surface Speed	Max. Pressure
All materials possible	Choice is dependent upon application (preload,...)		

The stated operation conditions represent general indications. It is recommended not to use all maximum values simultaneously. Surface speed limits apply only to the presence of adequate lubrication film.

SEAL HOUSING

Seal housing is dependent upon application (e.g. a bearing) according to profile description