

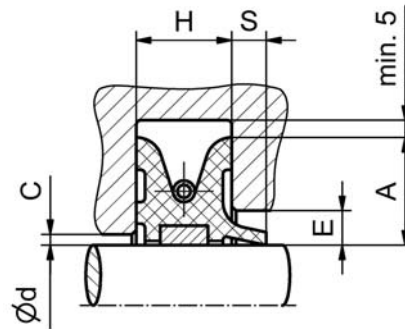
In case of large radial runout **FDI[®]-scraper model YS** is recommended.

The radial dynamic movement/contact will be at the top axial lip sections, which are in contact with the housing (or cover plates).

Axial movement of the shaft is allowed at the same time.

For large axial movement **model Y-SG** is recommended. The radial runout is limited acc. indicated gap C between shaft and housing. For larger runout special designs are available on request.

spring: stainless steel



media to be sealed: oil, grease, water, slurry, suspension with hard particles

model		radial runout
		mm max.
Y-SG	endless	Pls. see „C“5

Split version possible.

material:	temperature °C		chemical resistance
	min.	max.	
FDI[®] 1004	-40	+120	as NBR
FDI[®] 2004	-40	+170	as HNBR
FDI[®] 3004	-30	+200	as FPM

Ø range of d (mm) f8	cross section			C	E min.	S
	radial height A	width Tol.				
		H	+ / -			
< 50	11	10	± 0,1	2	6	5
50 - 100	16	12,5	± 0,1	3	7	6
100 - 250	20	16	± 0,1	3	7	6
250 - 400	22	20	± 0,1	4	9	8
400 - 600	25	22	± 0,2	4	10	8
> 600	32	25	± 0,2	5	11	9

Indicated sizes are dimensions of housing!

except "A" = height of profile!

To allow radial movement of the seal: A + max. 5 mm.
(according radial runout)

Size list:

Ø d f8	Ø D (scraper)	H	A
(mm)	(mm)	(mm)	(mm)
140	180	16	20
160	200	16	20
170	210	16	20
180	220	16	20
200	240	16	20
250	290	16	20
270	314	20	22
300	344	20	22
350	394	20	22
500	550	22	25
560	610	22	25
1000	1064	25/33	32
1270	1416	28/38	73
1350	1414	25	32
1700	1764	25	32

Other sizes on request.

The data shown above is based on long lasting experience in the manufacturing and use of sealing elements. As there are many unknown possible parameters and conditions in practice, which may limit standard performance, it is requested that the user runs practical tests. Except as expressly stated, Friedrich's liability, expressed or implied, is limited to the published selling price of our defective item.

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