

# STYLE 40/42/45 | DATA SHEET



## LOW TEMPERATURE WELDED METAL BELLOWS

### ADVANTAGES

- Simple one piece construction, no loose parts
- No dynamic elastomers – no hang up
- Hydraulically balanced design
- Self cleaning due to centrifugal force
- Even face loading – allows for full 360 degrees closing force
- Face and O-ring versatility
- Bellows material AM350, Alloy C-276 standard
- Other metallurgies and bellows core materials available
- Fits narrow cross section stuffing boxes
- Imperial, metric, and DIN sizes available
- Stationary and rotating designs available
- Cartridge seal design available
- Double ply available for higher pressure
- Low repair cost



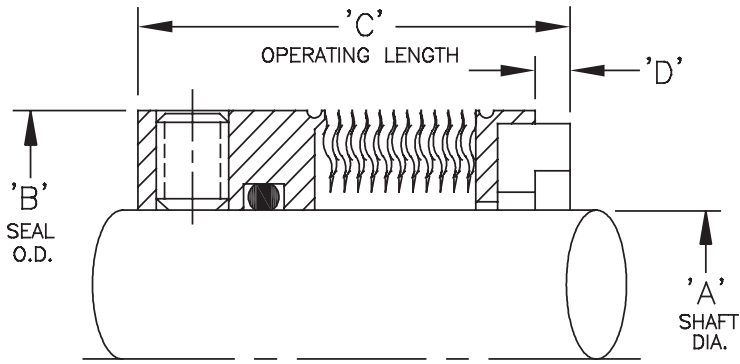
### MATERIALS OF CONSTRUCTION

<b>Standard Metallurgy</b>	<p><b>Style 40:</b> 316 end fittings with AM350 bellows</p> <p><b>Style 42:</b> 316 Stainless Steel end fittings with Alloy C-276 bellows</p> <p><b>Style 45:</b> Alloy C-276 end fittings and bellows</p>
<b>Standard Face Materials</b>	Carbon, Nickel Bound Tungsten Carbide, Silicon Carbide, Antimony Impregnated Carbon
<b>Secondary Seal Packaging</b>	FKM, Buna, TFEP, FFKM, PTFE, PTFE Jacketed FKM, EPDM, FDA compliant compounds. Other materials available upon request.

### OPERATING/DESIGN CONDITIONS

Temperature	Pressure
Style 40: -100°F to 400°F	Internal Mount: Full Vacuum to 300 PSI
Style 42: -150°F to 450°F	External Mount: Consult factory.
Style 45: -150°F to 450°F	

Maximum temperature/pressure ratings indicate operating extremes independently and do not imply that the seal will function at these extremes at the same time. Contact Flex-A-Seal Engineering regarding your specific application.



SIZE	A	B	C	D	O-RING
-12	.750	1.312	1.250	.120	-116
-13X	.812	1.457	1.250	.120	-117
-14X	.875	1.457	1.250	.120	-118
-15X	.938	1.457	1.250	.120	-119
-16X	1.000	1.457	1.250	.120	-120
-17	1.062	1.687	1.250	.120	-121
-18	1.125	1.687	1.250	.120	-122
-20	1.250	1.812	1.312	.120	-124
-20X	1.250	1.694	1.312	.120	-124
-22	1.375	1.937	1.437	.120	-126
-24	1.500	2.062	1.437	.120	-128
-24X	1.500	1.944	1.437	.120	-128
-26	1.625	2.187	1.437	.120	-130
-28	1.750	2.312	1.437	.120	-132
-30	1.875	2.437	1.500	.120	-134
-32	2.000	2.562	1.500	.120	-226
-34	2.125	2.687	1.500	.120	-138
-36	2.250	2.812	1.562	.120	-140
-38	2.375	2.937	1.562	.120	-142
-40	2.500	3.187	1.562	.120	-144
-42	2.625	3.312	1.625	.120	-146
-44	2.750	3.437	1.625	.120	-148
-46	2.875	3.625	1.687	.120	-150
-48	3.000	3.750	1.687	.120	-151
-50	3.125	3.875	1.750	.120	-235
-52	3.250	4.000	1.750	.120	-236
-54	3.375	4.125	1.750	.120	-237
-56	3.500	4.250	1.875	.120	-238
-58	3.625	4.375	1.875	.120	-239
-60	3.750	4.500	1.875	.120	-240
-62	3.875	4.625	1.875	.120	-241
-64	4.000	4.750	1.875	.120	-242
-66	4.125	5.125	1.875	.125	-243
-68	4.250	5.125	1.875	.125	-244
-70	4.375	5.375	1.875	.125	-245
-72	4.500	5.375	1.875	.125	-246
-74	4.625	5.625	1.875	.125	-247
-76	4.750	5.625	1.875	.125	-248
-80	5.000	5.875	1.875	.125	-250
-84					
-88					
-92	5.750	6.625	1.875	.125	-256
-96					
-100					
-104	6.500	7.375	2.000	.125	-363
-108					
-112	7.000	7.875	2.000	.125	-365