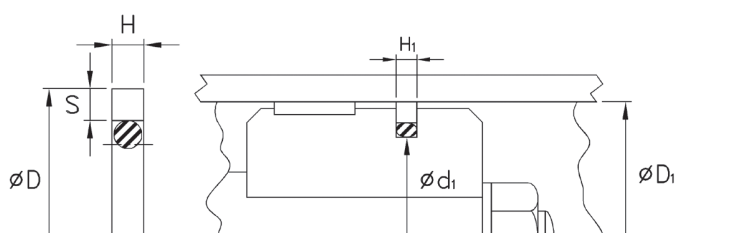


TFE-S - Piston Seals**GF.PTFE/Nitrile****Temperature: -40/200F [-40/93C]****Pressure: 5000 PSI [345 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions			
		Tol.	D	S	H	EXP.	d1	Tol.	H1	Tol.
TFES-00500	0.500	+ .003 / - .000	0.500	0.065 - 0.075	0.065 - 0.075	-009	0.241	+ .002 / - .002	0.083	+ .002 / - .002
TFES-00625	0.625	+ .003 / - .000	0.625	0.065 - 0.075	0.065 - 0.075	-011	0.366	+ .002 / - .002	0.083	+ .002 / - .002
TFES-00750	0.750	+ .003 / - .000	0.750	0.065 - 0.075	0.065 - 0.075	-013	0.491	+ .002 / - .002	0.083	+ .002 / - .002
TFES-01000	1.000	+ .003 / - .000	1.000	0.065 - 0.075	0.065 - 0.075	-017	0.741	+ .002 / - .002	0.083	+ .002 / - .002
TFES-01125	1.125	+ .003 / - .000	1.125	0.065 - 0.075	0.065 - 0.075	-019	0.866	+ .002 / - .002	0.083	+ .002 / - .002
TFES-01250	1.250	+ .003 / - .000	1.250	0.065 - 0.075	0.065 - 0.075	-022	0.991	+ .002 / - .002	0.083	+ .002 / - .002
TFES-01375	1.375	+ .003 / - .000	1.375	0.065 - 0.075	0.065 - 0.075	-023	1.116	+ .002 / - .002	0.083	+ .002 / - .002
TFES-01500	1.500	+ .003 / - .000	1.500	0.065 - 0.075	0.065 - 0.075	-025	1.241	+ .002 / - .002	0.083	+ .002 / - .002
TFES-01625	1.625	+ .003 / - .000	1.625	0.099 - 0.119	0.099 - 0.119	-123	1.235	+ .002 / - .002	0.122	+ .002 / - .002
TFES-01750	1.750	+ .003 / - .000	1.750	0.099 - 0.119	0.099 - 0.119	-125	1.360	+ .002 / - .002	0.122	+ .002 / - .002
TFES-01875	1.875	+ .003 / - .000	1.875	0.099 - 0.119	0.099 - 0.119	-128	1.483	+ .002 / - .002	0.122	+ .002 / - .002
TFES-02000	2.000	+ .003 / - .000	2.000	0.105 - 0.125	0.105 - 0.125	-129	1.606	+ .002 / - .002	0.130	+ .002 / - .002



NOTE: MINIMUM LINE ORDER MAY APPLY

TFES SERIES - GF.PTFE/NBR
**INCH SIZE
PISTON SEALS**

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				
	Tol		D	S	H	EXP	d1	Tol	H1	Tol	
TFES-02125	2.125	+ .003 / - .000	2.125	0.105 - 0.125	0.105 - 0.125	-132	1.733	+ .002 / - .002	0.130	+ .002 / - .002	
TFES-02250	2.250	+ .003 / - .000	2.250	0.105 - 0.125	0.105 - 0.125	-133	1.856	+ .002 / - .002	0.130	+ .002 / - .002	
TFES-02375	2.375	+ .003 / - .000	2.375	0.105 - 0.125	0.105 - 0.125	-135	1.981	+ .002 / - .002	0.130	+ .002 / - .002	
TFES-02500	2.500	+ .003 / - .000	2.500	0.105 - 0.125	0.105 - 0.125	-137	2.106	+ .002 / - .002	0.130	+ .002 / - .002	
TFES-02625	2.625	+ .003 / - .000	2.625	0.105 - 0.125	0.105 - 0.125	-139	2.235	+ .002 / - .002	0.130	+ .002 / - .002	
TFES-02750	2.750	+ .003 / - .000	2.750	0.105 - 0.125	0.105 - 0.125	-141	2.356	+ .002 / - .002	0.130	+ .002 / - .002	
TFES-03000	3.000	+ .004 / - .000	3.000	0.105 - 0.125	0.105 - 0.125	-145	2.606	+ .002 / - .002	0.130	+ .002 / - .002	
TFES-03125	3.125	+ .004 / - .000	3.125	0.105 - 0.125	0.105 - 0.125	-148	2.733	+ .002 / - .002	0.130	+ .002 / - .002	
TFES-03250	3.250	+ .004 / - .000	3.250	0.105 - 0.125	0.105 - 0.125	-149	2.856	+ .002 / - .002	0.130	+ .002 / - .002	
TFES-03375	3.375	+ .004 / - .000	3.375	0.105 - 0.125	0.105 - 0.125	-150	2.983	+ .002 / - .002	0.130	+ .002 / - .002	
TFES-03500	3.500	+ .004 / - .000	3.500	0.105 - 0.125	0.105 - 0.125	-151	3.106	+ .002 / - .002	0.130	+ .002 / - .002	
TFES-03625	3.625	+ .004 / - .000	3.625	0.105 - 0.125	0.105 - 0.125	-151	3.233	+ .002 / - .002	0.130	+ .002 / - .002	
TFES-03750	3.750	+ .004 / - .000	3.750	0.105 - 0.125	0.105 - 0.125	-152	3.356	+ .002 / - .002	0.130	+ .002 / - .002	
TFES-04000	4.000	+ .004 / - .000	4.000	0.105 - 0.125	0.105 - 0.125	-153	3.606	+ .002 / - .002	0.130	+ .002 / - .002	
TFES-04250	4.250	+ .004 / - .000	4.250	0.105 - 0.125	0.105 - 0.125	-154	3.856	+ .002 / - .002	0.130	+ .002 / - .002	
TFES-04400	4.400	+ .004 / - .000	4.400	0.105 - 0.125	0.105 - 0.125	-155	4.008	+ .002 / - .002	0.130	+ .002 / - .002	
TFES-04500	4.500	+ .004 / - .000	4.500	0.105 - 0.125	0.105 - 0.125	-155	4.106	+ .002 / - .002	0.130	+ .002 / - .002	
TFES-04750	4.750	+ .004 / - .000	4.750	0.105 - 0.125	0.105 - 0.125	-156	4.356	+ .002 / - .002	0.130	+ .002 / - .002	
TFES-04875	4.875	+ .004 / - .000	4.875	0.105 - 0.125	0.105 - 0.125	-157	4.483	+ .002 / - .002	0.130	+ .002 / - .002	
TFES-05000	5.000	+ .004 / - .000	5.000	0.105 - 0.125	0.105 - 0.125	-157	4.606	+ .002 / - .002	0.130	+ .002 / - .002	
TFES-05250	5.250	+ .004 / - .000	5.250	0.105 - 0.125	0.105 - 0.125	-158	4.856	+ .002 / - .002	0.130	+ .002 / - .002	
TFES-05500	5.500	+ .004 / - .000	5.500	0.105 - 0.125	0.105 - 0.125	-159	5.106	+ .002 / - .002	0.130	+ .002 / - .002	
TFES-05750	5.750	+ .004 / - .000	5.750	0.133 - 0.153	0.133 - 0.153	-251	5.232	+ .002 / - .002	0.159	+ .002 / - .002	
TFES-05875	5.875	+ .004 / - .000	5.875	0.133 - 0.153	0.133 - 0.153	-252	5.357	+ .002 / - .002	0.159	+ .002 / - .002	
TFES-06000	6.000	+ .004 / - .000	6.000	0.133 - 0.153	0.133 - 0.153	-253	5.482	+ .002 / - .002	0.159	+ .002 / - .002	
TFES-06125	6.125	+ .004 / - .000	6.125	0.133 - 0.153	0.133 - 0.153	-254	5.607	+ .002 / - .002	0.159	+ .002 / - .002	
TFES-06250	6.250	+ .004 / - .000	6.250	0.133 - 0.153	0.133 - 0.153	-255	5.732	+ .002 / - .002	0.159	+ .002 / - .002	
TFES-06500	6.500	+ .004 / - .000	6.500	0.133 - 0.153	0.133 - 0.153	-257	5.982	+ .002 / - .002	0.159	+ .002 / - .002	
TFES-06750	6.750	+ .005 / - .000	6.750	0.133 - 0.153	0.133 - 0.153	-258	6.232	+ .002 / - .002	0.159	+ .002 / - .002	
TFES-07000	7.000	+ .005 / - .000	7.000	0.133 - 0.153	0.133 - 0.153	-259	6.482	+ .002 / - .002	0.159	+ .002 / - .002	
TFES-07250	7.250	+ .005 / - .000	7.250	0.133 - 0.153	0.133 - 0.153	-260	6.732	+ .002 / - .002	0.159	+ .002 / - .002	
TFES-07500	7.500	+ .005 / - .000	7.500	0.133 - 0.153	0.133 - 0.153	-261	6.982	+ .002 / - .002	0.159	+ .002 / - .002	
TFES-07750	7.750	+ .005 / - .000	7.750	0.133 - 0.153	0.133 - 0.153	-262	7.232	+ .002 / - .002	0.159	+ .002 / - .002	
TFES-08000	8.000	+ .005 / - .000	8.000	0.133 - 0.153	0.133 - 0.153	-263	7.482	+ .002 / - .002	0.159	+ .002 / - .002	
TFES-08125	8.125	+ .005 / - .000	8.125	0.133 - 0.153	0.133 - 0.153	-264	7.607	+ .002 / - .002	0.159	+ .002 / - .002	
TFES-08250	8.250	+ .005 / - .000	8.250	0.133 - 0.153	0.133 - 0.153	-264	7.732	+ .002 / - .002	0.159	+ .002 / - .002	
TFES-08500	8.500	+ .005 / - .000	8.500	0.133 - 0.153	0.133 - 0.153	-265	7.982	+ .002 / - .002	0.159	+ .002 / - .002	
TFES-08750	8.750	+ .005 / - .000	8.750	0.133 - 0.153	0.133 - 0.153	-266	8.232	+ .002 / - .002	0.159	+ .002 / - .002	
TFES-09000	9.000	+ .005 / - .000	9.000	0.133 - 0.153	0.133 - 0.153	-267	8.482	+ .002 / - .002	0.159	+ .002 / - .002	
TFES-09250	9.250	+ .005 / - .000	9.250	0.133 - 0.153	0.133 - 0.153	-268	8.732	+ .002 / - .002	0.159	+ .002 / - .002	
TFES-09500	9.500	+ .005 / - .000	9.500	0.133 - 0.153	0.133 - 0.153	-269	8.982	+ .002 / - .002	0.159	+ .002 / - .002	
TFES-09750	9.750	+ .005 / - .000	9.750	0.133 - 0.153	0.133 - 0.153	-270	9.232	+ .002 / - .002	0.159	+ .002 / - .002	
TFES-10000	10.000	+ .005 / - .000	10.000	0.133 - 0.153	0.133 - 0.153	-271	9.482	+ .002 / - .002	0.159	+ .002 / - .002	
TFES-10250	10.250	+ .005 / - .000	10.250	0.133 - 0.153	0.133 - 0.153	-272	9.732	+ .002 / - .002	0.159	+ .002 / - .002	
TFES-10500	10.500	+ .005 / - .000	10.500	0.133 - 0.153	0.133 - 0.153	-273	9.982	+ .002 / - .002	0.159	+ .002 / - .002	
TFES-10750	10.750	+ .005 / - .000	10.750	0.133 - 0.153	0.133 - 0.153	-274	10.232	+ .002 / - .002	0.159	+ .002 / - .002	
TFES-11000	11.000	+ .006 / - .000	11.000	0.133 - 0.153	0.133 - 0.153	-275	10.482	+ .002 / - .002	0.159	+ .002 / - .002	

NOTE: MINIMUM LINE ORDER MAY APPLY

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TFES SERIES - GF.PTFE/NBR

Ref.Number	Bore diameter	Nominal Seal Dimensions				Housing Dimensions				
	Tol	D	S	H	EXP	d1	Tol	H1	Tol	
TFES-11500	11.500 +.006 / -.000	11.500	0.133 - 0.153	0.133 - 0.153	-276	10.982	+.002 / -.002	0.159	+.002 / -.002	
TFES-12000	12.000 +.006 / -.000	12.000	0.133 - 0.153	0.133 - 0.153	-277	11.482	+.002 / -.002	0.159	+.002 / -.002	
TFES-12500	12.500 +.006 / -.000	12.500	0.133 - 0.153	0.133 - 0.153	-278	11.982	+.002 / -.002	0.159	+.002 / -.002	
TFES-13000	13.000 +.006 / -.000	13.000	0.133 - 0.153	0.133 - 0.153	-278	12.482	+.002 / -.002	0.159	+.002 / -.002	
TFES-14000	14.000 +.006 / -.000	14.000	0.133 - 0.153	0.133 - 0.153	-279	13.482	+.002 / -.002	0.159	+.002 / -.002	

NOTE: MINIMUM LINE ORDER MAY APPLY

