

## Expanders for spring energized seals | Enerspring V

Enerspring V expanders for energized seals

Materials: **Aisi 301 - Elgiloy - Hastelloy C276 - Inconel X750 NACE approved**

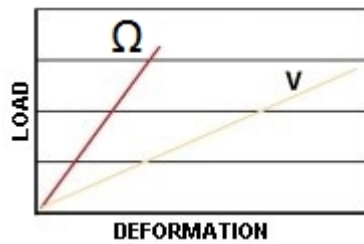
Long term maintenance of pre load

Uncontaminating and sterilizable

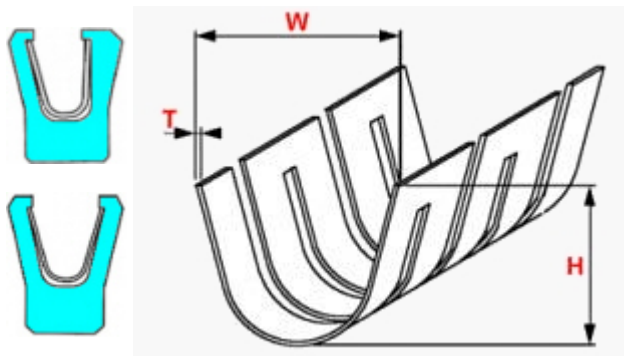
Wide range of chemical resistance

Supplied in coils or made to measure and welded

Enerspring V versus **Omega**  
Comparative Load/Deformation  
graph



Enersprings V allow wider elastic deformation  $\Delta W$  than any O-Ring of comparable cross section



ENERSPRING V AISI 301 deformation/load					
Size	T $\pm 0.013$	H	W	AISI 302 max. $\Delta W$ mm	Spring load F in N/mm
					$F = K \times \Delta W$
					$K = N/mm^2$
G	0,08	1,05	1,2	0,4	2,7
L	0,10	2,0	2,2	0,9	1,4
	0,13	2,0	1,8	0,8	2,4
H	0,10	2,65	2,5	1,4	0,7
		2,5	3,0		
	0,15	2,7	2,6	1,3	1,6
N	0,15	4,5	3,7	2	0,55
		4,3	4,5		



		4,2	5,0		
		4,0	6,0		
	0,20	4,5	3,7		1
		4,3	4,5		
		4,2	5,0		
		4,0	6,0		
M	0,20	6,1	5,0	2,5	0,5
		6,0	6,0		
		5,7	6,5		
	0,25	6,0	6,2		0,8