

Narrow Section Wave Springs (Imperial)

YSSR-N Series – Gap

Smalley narrow section wave springs were originally designed to pre-load packings in telescoping hydraulic cylinders.

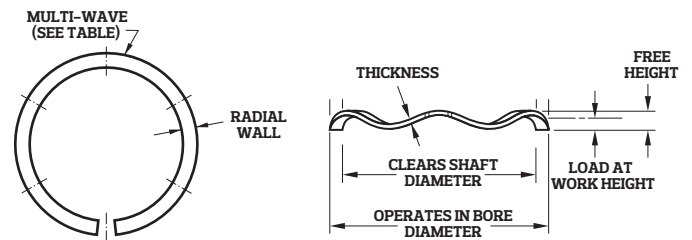
They have also found other applications where working space is highly limited. This Smalley Wave Spring series is designed to fit into a bore with a light snap to assure perfect concentricity between the wave spring and assembly. When these narrow section wave springs are compressed, radial expansion is taken up by the gap in the spring to eliminate binding.



Stock items available in:

- Carbon steel
- 17-7 PH stainless steel

Springs listed below are 4 waves and up, **Gap Type**.



	Part No. ¹	Operates in Bore Diameter	Clears Shaft Diameter	Load (lb)	Work Height	Free Height ²	Number of Waves	Thickness	Radial Wall	Spring Rate ³
Imperial (in.)	YSSR-0325-N	3,250	2,820	54	0,109	0,200	4	0,030	0,188	593
	YSSR-0337-N	3,375	2,940	56	0,109	0,220	4	0,030	0,188	505
	YSSR-0350-N	3,500	3,070	58	0,109	0,260	4	0,030	0,188	384
	YSSR-0362-N	3,625	3,190	60	0,109	0,270	4	0,030	0,188	373
	YSSR-0375-N	3,750	3,320	62	0,109	0,280	4	0,030	0,188	363
	YSSR-0387-N	3,875	3,440	64	0,109	0,310	4	0,030	0,188	318
	YSSR-0400-N	4,000	3,570	66	0,109	0,200	5	0,030	0,188	725
	YSSR-0412-N	4,125	3,690	67	0,109	0,200	5	0,030	0,188	736
	YSSR-0425-N	4,250	3,820	69	0,109	0,240	5	0,030	0,188	527
	YSSR-0437-N	4,375	3,940	70	0,109	0,210	5	0,030	0,188	693
	YSSR-0450-N	4,500	4,070	72	0,109	0,280	5	0,030	0,188	421
	YSSR-0462-N	4,625	4,190	73	0,125	0,270	5	0,030	0,188	503
	YSSR-0475-N	4,750	4,320	75	0,125	0,320	5	0,030	0,188	385
	YSSR-0487-N	4,875	4,440	76	0,125	0,320	5	0,030	0,188	390
	YSSR-0500-N	5,000	4,570	78	0,125	0,350	5	0,030	0,188	347
	YSSR-0512-N	5,125	4,690	80	0,125	0,350	5	0,030	0,188	356
	YSSR-0525-N	5,250	4,820	82	0,125	0,360	5	0,030	0,188	349
	YSSR-0537-N	5,375	4,940	84	0,125	0,440	5	0,030	0,188	267
	YSSR-0550-N	5,500	5,070	86	0,125	0,280	6	0,030	0,188	555
	YSSR-0562-N	5,625	5,190	88	0,125	0,290	6	0,030	0,188	533
	YSSR-0575-N	5,750	5,320	90	0,125	0,340	6	0,030	0,188	419
	YSSR-0587-N	5,875	5,440	92	0,125	0,340	6	0,030	0,188	428
	YSSR-0600-N	6,000	5,570	94	0,125	0,340	6	0,030	0,188	437
	YSSR-0612-N	6,125	5,690	96	0,125	0,280	7	0,030	0,188	619
	YSSR-0625-N	6,250	5,820	98	0,125	0,280	7	0,030	0,188	632
	YSSR-0637-N	6,375	5,940	100	0,125	0,300	7	0,030	0,188	571
	YSSR-0650-N	6,500	6,070	102	0,125	0,300	7	0,030	0,188	583
	YSSR-0675-N	6,750	6,320	104	0,125	0,300	7	0,030	0,188	594
YSSR-0700-N	7,000	6,480	106	0,156	0,320	7	0,030	0,233	646	
YSSR-0725-N	7,250	6,730	108	0,156	0,330	7	0,030	0,233	621	
YSSR-0750-N	7,500	6,980	110	0,156	0,360	7	0,030	0,233	539	
YSSR-0775-N	7,750	7,230	114	0,156	0,380	7	0,030	0,233	509	

¹ Add suffix "-S17" for 17-7 stainless steel. ² Reference dimension. ³ Theoretical dimension; measured in lb/in.