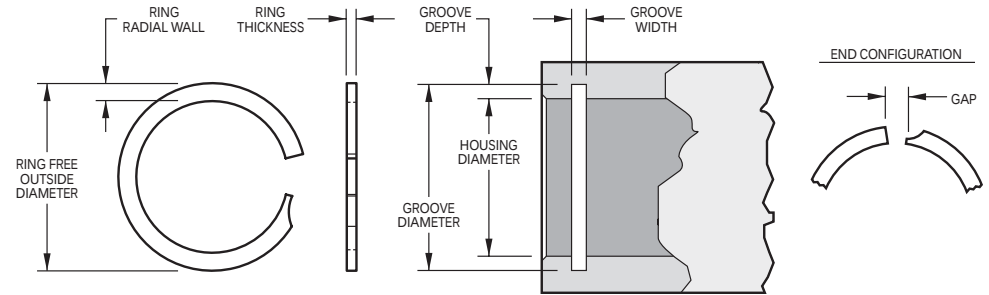


Groove Compatible
with DIN 472

Product Dimensions

All dimensions are in millimeters unless otherwise specified.



Stock Items available in carbon and stainless steel.

Smalley Part Number ^{1, 4}	Housing Diameter	RING			GROOVE		THRUST CAPACITY (N)	
		Outside Diameter	Radial Wall	Thickness	Diameter	Width	Groove Yield (N) ²	Ring Shear (N) ³
FH-013	13.00	13.73	1.40	.94	13.60	1.10	1,931	10,591
FH-014	14.00	14.74	1.40	.94	14.60	1.10	2,077	11,396
FH-015	15.00	15.85	1.40	.94	15.70	1.10	2,602	12,224
FH-016	16.00	16.90	1.65	.94	16.80	1.10	3,172	13,029
FH-017	17.00	17.97	1.65	.94	17.80	1.10	3,367	13,838
FH-018	18.00	19.18	1.90	.94	19.00	1.10	4,457	14,666
FH-019	19.00	20.25	1.90	.94	20.00	1.10	4,702	15,471
FH-020	20.00	21.20	1.90	.94	21.00	1.10	4,951	16,276
FH-021	21.00	22.21	1.90	.94	22.00	1.10	5,200	17,103
FH-022	22.00	23.22	1.90	.94	23.00	1.10	5,445	17,913
FH-023	23.00	24.23	1.90	.94	24.00	1.10	5,698	18,736
FH-024	24.00	25.40	2.15	1.15	25.20	1.30	6,539	23,927
FH-025	25.00	26.45	2.15	1.15	26.20	1.30	6,806	24,914
FH-026	26.00	27.46	2.15	1.15	27.20	1.30	7,082	25,929
FH-027	27.00	28.47	2.38	1.15	28.20	1.30	7,353	26,916
FH-028	28.00	29.68	2.38	1.15	29.40	1.30	9,702	27,904
FH-029	29.00	30.69	2.38	1.15	30.40	1.30	10,053	28,918
FH-030	30.00	31.79	2.38	1.15	31.40	1.30	10,395	29,905
FH-031	31.00	33.01	2.38	1.15	32.70	1.30	12,660	30,893
FH-032	32.00	33.93	2.38	1.15	33.70	1.30	13,073	31,907
FH-033	33.00	35.03	2.38	1.15	34.70	1.30	13,478	32,895
FH-034	34.00	36.04	3.25	1.44	35.70	1.60	13,892	40,319
FH-035	35.00	37.35	3.25	1.44	37.00	1.60	16,899	41,493
FH-036	36.00	38.36	3.25	1.44	38.00	1.60	17,375	42,663
FH-037	37.00	39.37	3.25	1.44	39.00	1.60	17,869	43,868
FH-038	38.00	40.44	3.25	1.44	40.00	1.60	18,344	45,043
FH-040	40.00	42.86	4.01	1.69	42.50	1.85	24,265	55,621
FH-041	41.00	43.91	4.01	1.69	43.50	1.85	24,866	56,995
FH-042	42.00	44.92	4.01	1.69	44.50	1.85	25,484	58,410
FH-045	45.00	47.88	4.01	1.69	47.50	1.85	27,303	62,578
FH-047	47.00	49.97	4.01	1.69	49.50	1.85	28,504	65,331
FH-048	48.00	50.98	4.01	1.69	50.50	1.85	29,118	66,741
FH-050	50.00	53.50	5.08	1.93	53.00	2.15	36,529	75,282
FH-051	51.00	54.43	5.08	1.93	54.00	2.15	37,249	76,776
FH-052	52.00	55.52	5.08	1.93	55.00	2.15	37,974	78,266
FH-055	55.00	58.55	5.08	1.93	58.00	2.15	40,163	82,777
FH-056	56.00	59.56	5.08	1.93	59.00	2.15	40,906	84,307
FH-057	57.00	60.68	5.08	1.93	60.00	2.15	41,631	85,797
FH-058	58.00	61.58	5.08	1.93	61.00	2.15	42,352	87,287
FH-060	60.00	63.60	5.08	1.93	63.00	2.15	43,819	90,308
FH-062	62.00	65.58	5.08	1.93	65.00	2.15	45,283	93,328
FH-063	63.00	66.63	5.08	1.93	66.00	2.15	46,008	94,823
FH-064	64.00	67.64	5.08	2.41	67.00	2.65	46,751	114,742
FH-065	65.00	68.70	5.08	2.41	68.00	2.65	47,471	116,517
FH-067	67.00	70.54	5.08	2.41	70.00	2.65	48,939	120,115
FH-068	68.00	71.84	5.08	2.41	71.00	2.65	49,660	121,890
FH-070	70.00	73.64	5.08	2.41	73.00	2.65	51,128	125,489

¹ Add suffix "-S02" for 302 stainless steel.

² Based on a groove material yield strength of 310 N/mm² and a safety factor of 2.

³ Based on a safety factor of 3.

⁴ See pages 106-107 for How to Order.

Manufactured in USA

Smalley Part Number ^{1, 4}	Housing Diameter	RING			GROOVE		THRUST CAPACITY (N)	
		Outside Diameter	Radial Wall	Thickness	Diameter	Width	Groove Yield (N) ²	Ring Shear (N) ³
FH-072	72.00	75.72	5.08	2.41	75.00	2.65	52,591	129,083
FH-075	75.00	78.75	5.08	2.41	78.00	2.65	54,780	134,456
FH-076	76.00	79.88	5.08	2.41	79.00	2.65	55,505	136,231
FH-078	78.00	81.73	5.08	2.41	81.00	2.65	56,968	139,830
FH-080	80.00	84.30	6.02	2.41	83.50	2.65	68,342	143,428
FH-082	82.00	86.32	6.02	2.41	85.50	2.65	70,033	146,978
FH-085	85.00	89.35	6.30	2.91	88.50	3.15	72,595	175,046
FH-088	88.00	92.38	6.30	2.91	91.50	3.15	75,175	181,269
FH-090	90.00	94.70	6.30	2.91	93.50	3.15	76,865	185,353
FH-092	92.00	96.50	6.30	2.91	95.50	3.15	78,582	189,485
FH-095	95.00	99.62	6.30	2.91	98.50	3.15	81,140	195,659
FH-098	98.00	102.71	6.30	2.91	101.50	3.15	83,702	201,829
FH-100	100.00	104.50	6.30	2.91	103.50	3.15	85,415	205,962
FH-102	102.00	107.27	6.73	3.89	106.00	4.15	87,127	269,224
FH-105	105.00	109.96	6.73	3.89	109.00	4.15	102,687	277,133
FH-108	108.00	113.09	6.73	3.89	112.00	4.15	105,619	285,042
FH-110	110.00	115.10	6.73	3.89	114.00	4.15	107,580	290,340
FH-112	112.00	117.12	6.73	3.89	116.00	4.15	109,520	295,567
FH-115	115.00	120.15	6.73	3.89	119.00	4.15	112,473	303,547
FH-120	120.00	125.60	6.73	3.89	124.00	4.15	117,344	316,687
FH-125	125.00	130.25	6.73	3.89	129.00	4.15	122,237	329,893
FH-127	127.00	132.27	6.73	3.89	131.00	4.15	124,199	335,187
FH-130	130.00	135.30	6.73	3.89	134.00	4.15	127,130	343,096
FH-135	135.00	140.35	6.73	3.89	139.00	4.15	132,023	356,303
FH-140	140.00	145.26	6.73	3.89	144.00	4.15	136,916	369,509
FH-145	145.00	150.45	6.73	3.89	149.00	4.15	141,809	382,716
FH-150	150.00	156.50	8.03	3.89	155.00	4.15	181,986	395,923
FH-155	155.00	161.55	8.03	3.89	160.00	4.15	188,026	409,063
FH-160	160.00	166.60	8.03	3.89	165.00	4.15	194,094	422,270
FH-165	165.00	171.70	8.03	3.89	170.00	4.15	200,166	435,476
FH-170	170.00	176.70	8.03	3.89	175.00	4.15	206,237	448,683
FH-175	175.00	181.75	8.03	3.89	180.00	4.15	212,305	461,890
FH-180	180.00	186.80	8.03	3.89	185.00	4.15	218,377	475,097
FH-185	185.00	191.85	8.03	3.89	190.00	4.15	224,417	488,232
FH-190	190.00	197.15	8.03	3.89	195.00	4.15	230,489	501,439
FH-195	195.00	201.95	8.03	3.89	200.00	4.15	236,556	514,646
FH-200	200.00	207.00	8.03	3.89	205.00	4.15	242,628	527,853
FH-210	210.00	217.93	9.48	4.87	216.00	5.15	306,763	657,096
FH-220	220.00	228.20	9.48	4.87	226.00	5.15	321,344	688,327
FH-230	230.00	238.30	9.48	4.87	236.00	5.15	335,961	719,638
FH-240	240.00	248.40	9.48	4.87	246.00	5.15	350,578	750,953
FH-250	250.00	258.50	9.48	4.87	256.00	5.15	365,199	782,264
FH-260	260.00	270.77	11.05	4.87	268.00	5.15	505,300	813,500
FH-270	270.00	280.70	11.05	4.87	278.00	5.15	524,748	844,811
FH-280	280.00	290.57	11.05	4.87	288.00	5.15	544,200	876,126
FH-290	290.00	300.90	11.05	4.87	298.00	5.15	563,599	907,357
FH-300	300.00	311.00	11.05	4.87	308.00	5.15	583,051	938,673

INTERNAL RETAINING RINGS

¹ Add suffix "-S02" for 302 stainless steel.

² Based on a groove material yield strength of 310 N/mm² and a safety factor of 2.

³ Based on a safety factor of 3.

⁴ See pages 106-107 for How to Order.