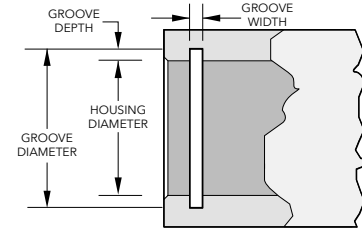
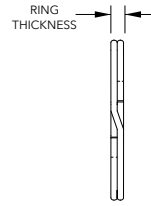
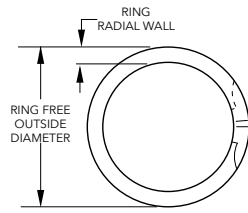




XDNH Series

Spirolox® DIN Rings Internal

*Groove compliance with DIN 472



Product Dimensions: All dimensions in millimeters unless otherwise specified.

TFC Part Number			Housing Diameter		Ring			Groove		Thrust Capacity	
Carbon Steel	Add Suffix		mm	in	Outside Diameter (mm)	Radial Wall (mm)	Thickness (mm)	Diameter (mm)	Width (mm)	Groove Yield ¹ (N)	Ring Shear ² (N)
	302 SS	316 SS									
XDNH-13	-S02	-S16	13,00	0,512	13,72	1,40	0,99	13,60	1,10	1,901	13,474
XDNH-14	-S02	-S16	14,00	0,551	14,75	1,40	0,99	14,60	1,10	2,047	14,510
XDNH-15	-S02	-S16	15,00	0,591	15,85	1,40	0,99	15,70	1,10	2,559	15,547
XDNH-16	-S02	-S16	16,00	0,630	16,97	1,65	0,99	16,80	1,10	3,119	16,583
XDNH-17	-S02	-S16	17,00	0,669	17,98	1,65	0,99	17,80	1,10	3,314	17,620
XDNH-18	-S02	-S16	18,00	0,709	19,18	1,91	0,99	19,00	1,10	4,386	18,656
XDNH-19	-S02	-S16	19,00	0,748	20,19	1,91	0,99	20,00	1,10	4,630	19,693
XDNH-20	-S02	-S16	20,00	0,787	21,21	1,91	0,99	21,00	1,10	4,874	20,729
XDNH-21	-S02	-S16	21,00	0,827	22,23	1,91	0,99	22,00	1,10	5,117	21,766
XDNH-22	-S02	-S16	22,00	0,866	23,23	1,91	0,99	23,00	1,10	5,361	22,802
XDNH-23	-S02	-S16	23,00	0,906	24,33	2,18	1,14	24,10	1,30	6,165	23,853
XDNH-24	-S02	-S16	24,00	0,945	25,45	2,18	1,14	25,20	1,30	7,018	24,891
XDNH-25	-S02	-S16	25,00	0,984	26,45	2,18	1,14	26,20	1,30	7,310	25,928
XDNH-26	-S02	-S16	26,00	1,024	27,48	2,18	1,14	27,20	1,30	7,603	26,965
XDNH-27	-S02	-S16	27,00	1,063	28,68	2,41	1,14	28,40	1,30	9,211	28,002
XDNH-28	-S02	-S16	28,00	1,102	29,69	2,41	1,14	29,40	1,30	9,552	29,039
XDNH-29	-S02	-S16	29,00	1,142	30,71	2,41	1,14	30,40	1,30	9,893	30,076
XDNH-30	-S02	-S16	30,00	1,181	31,71	2,41	1,14	31,40	1,30	10,235	31,113
XDNH-31	-S02	-S16	31,00	1,220	33,02	2,41	1,14	32,70	1,30	12,842	32,150
XDNH-32	-S02	-S16	32,00	1,260	34,04	2,41	1,14	33,70	1,30	13,256	33,187
XDNH-33	-S02	-S16	33,00	1,299	35,05	2,41	1,14	34,70	1,30	13,670	34,224
XDNH-34	-S02	-S16	34,00	1,339	36,07	3,25	1,44	35,70	1,60	14,085	44,541
XDNH-35	-S02	-S16	35,00	1,378	37,38	3,25	1,44	37,00	1,60	17,058	45,851
XDNH-36	-S02	-S16	36,00	1,417	38,39	3,25	1,44	38,00	1,60	17,545	47,161
XDNH-37	-S02	-S16	37,00	1,457	39,40	3,25	1,44	39,00	1,60	18,032	48,471
XDNH-38	-S02	-S16	38,00	1,496	40,41	3,25	1,44	40,00	1,60	18,520	49,781
XDNH-40	-S02	-S16	40,00	1,575	42,93	4,01	1,69	42,50	1,85	24,368	61,498
XDNH-41	-S02	-S16	41,00	1,614	43,94	4,01	1,69	43,50	1,85	24,977	63,036
XDNH-42	-S02	-S16	42,00	1,654	44,96	4,01	1,69	44,50	1,85	25,586	64,573
XDNH-45	-S02	-S16	45,00	1,772	47,98	4,01	1,69	47,50	1,85	27,414	69,186
XDNH-47	-S02	-S16	47,00	1,850	49,99	4,01	1,69	49,50	1,85	28,633	72,261
XDNH-48	-S02	-S16	48,00	1,890	51,00	4,01	1,69	50,50	1,85	29,242	73,798
XDNH-50	-S02	-S16	50,00	1,969	53,54	5,08	1,93	53,00	2,15	36,552	87,790
XDNH-51	-S02	-S16	51,00	2,008	54,54	5,08	1,93	54,00	2,15	37,283	89,546
XDNH-52	-S02	-S16	52,00	2,047	55,55	5,08	1,93	55,00	2,15	38,014	91,302
XDNH-55	-S02	-S16	55,00	2,165	58,57	5,08	1,93	58,00	2,15	40,207	96,569
XDNH-56	-S02	-S16	56,00	2,205	59,59	5,08	1,93	59,00	2,15	40,938	98,325
XDNH-57	-S02	-S16	57,00	2,244	60,60	5,08	1,93	60,00	2,15	41,669	100,081
XDNH-58	-S02	-S16	58,00	2,283	61,62	5,08	1,93	61,00	2,15	42,400	101,836
XDNH-60	-S02	-S16	60,00	2,362	63,63	5,08	1,93	63,00	2,15	43,863	105,348
XDNH-62	-S02	-S16	62,00	2,441	65,66	5,08	1,93	65,00	2,15	45,325	108,860
XDNH-63	-S02	-S16	63,00	2,480	66,67	5,08	1,93	66,00	2,15	46,056	110,615
XDNH-64	-S02	-S16	64,00	2,520	67,67	5,08	1,93	67,00	2,15	46,787	112,371
XDNH-65	-S02	-S16	65,00	2,559	68,67	5,08	2,41	68,00	2,65	47,518	135,725
XDNH-67	-S02	-S16	67,00	2,638	70,67	5,08	2,41	70,00	2,65	48,980	139,901
XDNH-68	-S02	-S16	68,00	2,677	71,67	5,08	2,41	71,00	2,65	49,711	141,989
XDNH-70	-S02	-S16	70,00	2,756	73,67	5,08	2,41	73,00	2,65	51,173	146,165
XDNH-72	-S02	-S16	72,00	2,835	75,67	5,08	2,41	75,00	2,65	52,635	150,341
XDNH-75	-S02	-S16	75,00	2,953	78,68	5,08	2,41	78,00	2,65	54,828	156,605
XDNH-76	-S02	-S16	76,00	2,992	79,68	5,08	2,41	79,00	2,65	55,559	158,694

¹ Based on a groove material yield strength of 310 N/mm² and a safety factor of 2.
² Based on a safety factor of 3.

* Contact TFC for details/information on how to order parts to be in compliance with this specification.



TFC Part Number			Housing Diameter		Ring			Groove		Thrust Capacity			
Carbon Steel	Add Suffix		mm	in	Outside Diameter (mm)	Radial Wall (mm)	Thickness (mm)	Diameter (mm)	Width (mm)	Groove Yield ¹ (N)	Ring Shear ² (N)		
	302 SS	316 SS											
XDNH-78	-S02	-S16	78,00	3,071	81,69	5,08	±0,12	2,41	81,00	2,65	57,021	162,870	
XDNH-80	-S02	-S16	80,00	3,150	84,19	6,05	±0,13	2,41	83,50	2,65	68,231	167,046	
XDNH-82	-S02	-S16	82,00	3,228	86,20	6,05		2,41	85,50	2,65	69,936	171,222	
XDNH-85	-S02	-S16	85,00	3,346	89,20	6,05		2,91	88,50	3,15	72,495	214,309	
XDNH-88	-S02	-S16	88,00	3,465	92,21	6,05		2,91	91,50	3,15	75,054	221,873	
XDNH-90	-S02	-S16	90,00	3,543	94,21	6,05		2,91	±0,08	93,50	3,15	76,759	226,915
XDNH-92	-S02	-S16	92,00	3,622	96,22	6,05		2,91	95,50	±0,35/-0,00	3,15	78,465	231,958
XDNH-95	-S02	-S16	95,00	3,740	99,24	6,05		2,91	98,50	±0,14/-0,00	3,15	81,024	239,522
XDNH-98	-S02	-S16	98,00	3,858	102,26	6,05		2,91	101,50		3,15	83,583	247,086
XDNH-100	-S02	-S16	100,00	3,937	104,29	6,05		2,91	103,50		3,15	85,288	252,128
XDNH-102	-S02	-S16	102,00	4,016	106,79	6,73		3,89	106,00		4,15	99,422	343,778
XDNH-105	-S02	-S16	105,00	4,134	109,79	6,73	3,89	109,00	4,15		102,346	353,889	
XDNH-108	-S02	-S16	108,00	4,252	112,80	6,73	3,89	112,00	±0,54/-0,00		4,15	105,270	364,000
XDNH-110	-S02	-S16	110,00	4,331	114,83	6,73	3,89	114,00	±0,10		4,15	107,220	370,741
XDNH-112	-S02	-S16	112,00	4,409	116,84	6,73	3,89	116,00			4,15	109,169	377,482
XDNH-115	-S02	-S16	115,00	4,528	119,86	6,73	3,89	119,00			4,15	112,093	387,593
XDNH-120	-S02	-S16	120,00	4,724	124,92	6,73	3,89	124,00			4,15	116,967	404,445
XDNH-125	-S02	-S16	125,00	4,921	129,97	6,73	3,89	129,00		4,15	121,840	421,297	
XDNH-127	-S02	-S16	127,00	5,000	131,97	6,73	3,89	131,00		4,15	123,790	428,038	
XDNH-130	-S02	-S16	130,00	5,118	135,00	6,73	3,89	134,00		4,15	126,714	438,149	
XDNH-135	-S02	-S16	135,00	5,315	140,03	6,73	3,89	139,00		±0,63/-0,00	4,15	131,588	455,001
XDNH-140	-S02	-S16	140,00	5,512	145,11	6,73	3,89	144,00		±0,18/-0,00	4,15	136,461	471,852
XDNH-145	-S02	-S16	145,00	5,709	150,11	6,73	3,89	149,00			4,15	141,335	488,704
XDNH-150	-S02	-S16	150,00	5,906	156,13	7,92	3,89	155,00	4,15		182,761	505,556	
XDNH-155	-S02	-S16	155,00	6,102	161,19	7,92	3,89	160,00	4,15		188,853	522,408	
XDNH-160	-S02	-S16	160,00	6,299	166,22	7,92	3,89	165,00	4,15		194,945	539,260	
XDNH-165	-S02	-S16	165,00	6,496	171,27	7,92	3,89	170,00	4,15		201,037	556,112	
XDNH-170	-S02	-S16	170,00	6,693	176,33	7,92	3,89	175,00	4,15		207,129	572,964	
XDNH-175	-S02	-S16	175,00	6,890	181,36	7,92	3,89	180,00	4,15		213,221	589,815	
XDNH-180	-S02	-S16	180,00	7,087	186,39	7,92	3,89	185,00	4,15		219,313	606,667	
XDNH-185	-S02	-S16	185,00	7,283	191,44	7,92	3,89	190,00	4,15		225,405	623,519	
XDNH-190	-S02	-S16	190,00	7,480	196,47	7,92	3,89	195,00	±0,72/-0,00	4,15	231,497	640,371	
XDNH-195	-S02	-S16	195,00	7,677	201,52	7,92	3,89	200,00	±0,15	4,15	237,589	657,223	
XDNH-200	-S02	-S16	200,00	7,874	206,58	7,92	3,89	205,00		4,15	243,681	674,075	
XDNH-210	-S02	-S16	210,00	8,268	217,58	9,53	4,86	216,00		5,15	307,038	884,268	
XDNH-220	-S02	-S16	220,00	8,661	227,66	9,53	4,86	226,00		5,15	321,659	926,376	
XDNH-230	-S02	-S16	230,00	9,055	237,72	9,53	4,86	236,00		5,15	336,280	968,484	
XDNH-240	-S02	-S16	240,00	9,449	247,80	9,53	4,86	246,00		5,15	350,900	1,010,592	
XDNH-250	-S02	-S16	250,00	9,843	257,89	9,53	4,86	256,00		5,15	365,521	1,052,700	
XDNH-260	-S02	-S16	260,00	10,236	269,93	11,18	4,86	268,00		5,15	506,856	1,094,808	
XDNH-270	-S02	-S16	270,00	10,630	280,01	11,18	4,86	278,00		5,15	526,351	1,136,916	
XDNH-280	-S02	-S16	280,00	11,024	290,09	11,18	4,86	288,00		5,15	545,845	1,179,024	
XDNH-290	-S02	-S16	290,00	11,417	300,15	11,18	4,86	298,00	5,15	565,340	1,221,132		
XDNH-300	-S02	-S16	300,00	11,811	310,24	11,18	4,86	308,00	5,15	584,834	1,263,241		
XDNH-310	-S02	-S16	310,00	12,205	322,25	12,70	5,87	320,00	±0,13	6,20	755,411	1,576,625	
XDNH-320	-S02	-S16	320,00	12,598	332,33	12,70	5,87	330,00	±0,19	6,20	779,779	1,627,484	
XDNH-330	-S02	-S16	330,00	12,992	342,42	12,70	5,87	340,00		6,20	804,147	1,678,342	
XDNH-340	-S02	-S16	340,00	13,386	352,50	12,70	5,87	350,00		6,20	828,515	1,729,201	
XDNH-350	-S02	-S16	350,00	13,780	362,56	12,70	5,87	360,00		±0,89/-0,00	6,20	852,883	1,780,060
XDNH-360	-S02	-S16	360,00	14,173	372,64	12,70	5,87	370,00		±0,22/-0,00	6,20	877,251	1,830,919
XDNH-370	-S02	-S16	370,00	14,567	382,73	12,70	5,87	380,00			6,20	901,619	1,881,778
XDNH-380	-S02	-S16	380,00	14,961	392,79	12,70	5,87	390,00			6,20	925,987	1,932,637
XDNH-390	-S02	-S16	390,00	15,354	402,84	12,70	5,87	400,00			6,20	950,355	1,983,496
XDNH-400	-S02	-S16	400,00	15,748	412,93	12,70	5,87	410,00			6,20	974,723	2,034,354

¹ Based on a groove material yield strength of 310 N/mm² and a safety factor of 2.

² Based on a safety factor of 3.

* Contact TFC for details/information on how to order parts to be in compliance with this specification.