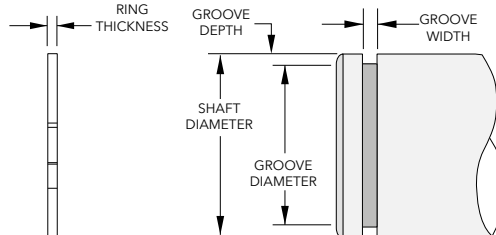
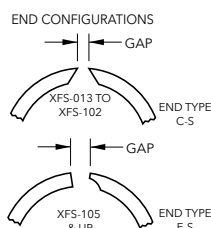
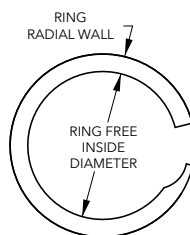




XFS Series

Constant Section Metric Rings External

*Groove compatible with DIN 471



Product Dimensions: All dimensions in millimeters unless otherwise specified.

TFC Part Number ³		Shaft Diameter		Ring			Groove		Thrust Capacity	
Carbon Steel	Add Suffix	mm	in	Inside Diameter (mm)	Radial Wall (mm)	Thickness (mm)	Diameter (mm)	Width (mm)	Groove Yield ¹ (N)	Ring Shear ² (N)
	302 SS									
XFS-013	-S02	13,00	0,512	12,27	1,40	0,94	12,40	1,10	1,931	10,591
XFS-014	-S02	14,00	0,551	13,31	1,40	0,94	13,40	1,10	2,077	11,396
XFS-015	-S02	15,00	0,591	14,15	1,40	0,94	14,30	1,10	2,602	12,224
XFS-016	-S02	16,00	0,630	14,98	1,65	0,94	15,20	1,10	3,172	13,029
XFS-017	-S02	17,00	0,669	16,06	1,65	0,94	16,20	1,10	3,367	13,838
XFS-018	-S02	18,00	0,709	16,82	1,90	1,15	17,00	1,30	4,457	17,953
XFS-019	-S02	19,00	0,748	17,81	1,90	1,15	18,00	1,30	4,702	18,941
XFS-020	-S02	20,00	0,787	18,80	1,90	1,15	19,00	1,30	4,951	19,928
XFS-021	-S02	21,00	0,827	19,79	1,90	1,15	20,00	1,30	5,200	20,942
XFS-022	-S02	22,00	0,866	20,83	1,90	1,15	21,00	1,30	5,445	21,930
XFS-023	-S02	23,00	0,906	21,77	1,90	1,15	22,00	1,30	5,698	22,939
XFS-024	-S02	24,00	0,945	22,50	2,15	1,15	22,90	1,30	6,539	23,927
XFS-025	-S02	25,00	0,984	23,70	2,15	1,15	23,90	1,30	6,806	24,914
XFS-026	-S02	26,00	1,024	24,64	2,15	1,15	24,90	1,30	7,082	25,929
XFS-027	-S02	27,00	1,063	25,50	2,15	1,15	25,90	1,30	7,353	26,916
XFS-028	-S02	28,00	1,102	26,32	3,25	1,44	26,60	1,60	9,702	33,179
XFS-029	-S02	29,00	1,142	27,15	3,25	1,44	27,60	1,60	10,053	34,385
XFS-030	-S02	30,00	1,181	28,35	3,25	1,44	28,60	1,60	10,395	35,559
XFS-032	-S02	32,00	1,260	29,87	3,25	1,44	30,30	1,60	13,073	37,939
XFS-033	-S02	33,00	1,299	31,07	3,25	1,44	31,30	1,60	13,478	39,113
XFS-034	-S02	34,00	1,339	31,96	3,25	1,44	32,30	1,60	13,892	40,319
XFS-035	-S02	35,00	1,378	32,57	3,25	1,44	33,00	1,60	16,899	41,493
XFS-036	-S02	36,00	1,417	33,64	4,01	1,69	34,00	1,85	17,375	50,038
XFS-038	-S02	38,00	1,496	35,62	4,01	1,69	36,00	1,85	18,344	52,827
XFS-040	-S02	40,00	1,575	37,02	4,01	1,69	37,50	1,85	24,265	55,621
XFS-042	-S02	42,00	1,654	39,08	4,01	1,69	39,50	1,85	25,484	58,410
XFS-045	-S02	45,00	1,772	42,05	4,01	1,69	42,50	1,85	27,303	62,578
XFS-046	-S02	46,00	1,811	43,10	4,01	1,69	43,50	1,85	27,904	63,952
XFS-047	-S02	47,00	1,850	44,03	4,01	1,69	44,50	1,85	28,504	65,331
XFS-048	-S02	48,00	1,890	44,89	4,01	1,69	45,50	1,85	29,118	66,741
XFS-050	-S02	50,00	1,969	46,50	5,08	1,93	47,00	2,15	36,529	75,282
XFS-052	-S02	52,00	2,047	48,48	5,08	1,93	49,00	2,15	37,974	78,266
XFS-054	-S02	54,00	2,126	50,46	5,08	1,93	51,00	2,15	39,438	81,287
XFS-055	-S02	55,00	2,165	51,45	5,08	1,93	52,00	2,15	40,163	82,777
XFS-056	-S02	56,00	2,205	52,44	5,08	1,93	53,00	2,15	40,906	84,307
XFS-058	-S02	58,00	2,283	54,42	5,08	1,93	55,00	2,15	42,352	87,287
XFS-060	-S02	60,00	2,362	56,55	5,08	1,93	57,00	2,15	43,819	90,308
XFS-062	-S02	62,00	2,441	58,32	5,08	1,93	59,00	2,15	45,283	93,328
XFS-063	-S02	63,00	2,480	59,37	5,08	1,93	60,00	2,15	46,008	94,823
XFS-065	-S02	65,00	2,559	61,35	5,08	2,41	62,00	2,65	47,471	116,641
XFS-067	-S02	67,00	2,638	63,35	5,08	2,41	64,00	2,65	48,939	120,240
XFS-068	-S02	68,00	2,677	64,45	5,08	2,41	65,00	2,65	49,660	122,019
XFS-070	-S02	70,00	2,756	66,22	5,08	2,41	67,00	2,65	51,128	125,618
XFS-072	-S02	72,00	2,835	68,28	5,08	2,41	69,00	2,65	52,591	129,221
XFS-075	-S02	75,00	2,953	71,25	5,08	2,41	72,00	2,65	54,780	134,599
XFS-077	-S02	77,00	3,031	73,23	5,08	2,41	74,00	2,65	56,230	138,153
XFS-078	-S02	78,00	3,071	74,06	5,08	2,41	75,00	2,65	56,968	139,977
XFS-080	-S02	80,00	3,150	75,70	6,02	2,41	76,50	2,65	68,342	143,575
XFS-082	-S02	82,00	3,228	77,68	6,02	2,41	78,50	2,65	70,033	147,134
XFS-085	-S02	85,00	3,346	80,65	6,30	2,91	81,50	3,15	72,595	175,656

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.

³ Square edge wire.

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

- See page 99 for different End Types.



Constant Section Metric Rings External Continued

TFC Part Number ³		Shaft Diameter		Ring			Groove		Thrust Capacity	
Carbon Steel	Add Suffix			Inside Diameter (mm)	Radial Wall (mm)	Thickness (mm)	Diameter (mm)	Width (mm)	Groove Yield ¹ (N)	Ring Shear ² (N)
	302 SS	mm	in							
XFS-088	-S02	88,00	3,465	83,60	6,30	2,91	84,50	3,15	75,175	181,906
XFS-090	-S02	90,00	3,543	85,80	6,30	2,91	86,50	3,15	76,865	185,998
XFS-095	-S02	95,00	3,740	90,68	6,30	2,91	91,50	3,15	81,140	196,340
XFS-098	-S02	98,00	3,858	93,70	6,30	2,91	94,50	3,15	83,702	202,536
XFS-100	-S02	100,00	3,937	95,50	6,30	2,91	96,50	3,15	85,415	206,682
XFS-102	-S02	102,00	4,016	97,23	6,30	2,91	98,50	3,15	87,127	210,828
XFS-105	-S02	105,00	4,134	99,83	6,73	3,89	101,00	4,15	102,687	276,951
XFS-108	-S02	108,00	4,252	102,87	6,73	3,89	104,00	4,15	105,619	284,855
XFS-110	-S02	110,00	4,331	104,90	6,73	3,89	106,00	4,15	107,580	290,149
XFS-115	-S02	115,00	4,528	109,85	6,73	3,89	111,00	4,15	112,473	303,346
XFS-120	-S02	120,00	4,724	115,06	6,73	3,89	116,00	4,15	117,344	316,478
XFS-125	-S02	125,00	4,921	119,75	6,73	3,89	121,00	4,15	122,237	329,676
XFS-130	-S02	130,00	5,118	124,70	6,73	3,89	126,00	4,15	127,130	342,873
XFS-135	-S02	135,00	5,315	129,65	6,73	3,89	131,00	4,15	132,023	356,071
XFS-140	-S02	140,00	5,512	134,42	6,73	3,89	136,00	4,15	136,916	369,269
XFS-145	-S02	145,00	5,709	139,55	6,73	3,89	141,00	4,15	141,809	382,467
XFS-150	-S02	150,00	5,906	143,50	8,03	3,89	145,00	4,15	181,986	395,665
XFS-155	-S02	155,00	6,102	148,45	8,03	3,89	150,00	4,15	188,026	408,796
XFS-160	-S02	160,00	6,299	153,40	8,03	3,89	155,00	4,15	194,094	421,994
XFS-165	-S02	165,00	6,496	158,40	8,03	3,89	160,00	4,15	200,166	435,192
XFS-170	-S02	170,00	6,693	163,30	8,03	3,89	165,00	4,15	206,237	448,683
XFS-175	-S02	175,00	6,890	168,25	8,03	3,89	170,00	4,15	212,305	461,890
XFS-180	-S02	180,00	7,087	173,20	8,03	3,89	175,00	4,15	218,377	475,097
XFS-185	-S02	185,00	7,283	177,62	8,03	3,89	180,00	4,15	224,417	488,232
XFS-190	-S02	190,00	7,480	183,35	8,03	3,89	185,00	4,15	230,489	501,439
XFS-195	-S02	195,00	7,677	188,05	8,03	3,89	190,00	4,15	236,556	514,646
XFS-200	-S02	200,00	7,874	193,00	8,03	3,89	195,00	4,15	242,628	527,853
XFS-205	-S02	205,00	8,071	196,95	11,05	4,87	199,00	5,15	299,454	641,438
XFS-210	-S02	210,00	8,268	201,67	11,05	4,87	204,00	5,15	306,763	657,096
XFS-220	-S02	220,00	8,661	211,80	11,05	4,87	214,00	5,15	321,344	688,327
XFS-230	-S02	230,00	9,055	221,70	11,05	4,87	224,00	5,15	335,961	719,638
XFS-240	-S02	240,00	9,449	231,89	11,05	4,87	234,00	5,15	350,578	750,953
XFS-250	-S02	250,00	9,843	241,50	11,05	4,87	244,00	5,15	365,199	782,264
XFS-260	-S02	260,00	10,236	249,59	12,70	4,87	252,00	5,15	505,300	813,500
XFS-270	-S02	270,00	10,630	259,30	12,70	4,87	262,00	5,15	524,748	844,811
XFS-280	-S02	280,00	11,024	268,83	12,70	4,87	272,00	5,15	544,200	876,126
XFS-290	-S02	290,00	11,417	279,10	12,70	4,87	282,00	5,15	563,599	907,357
XFS-300	-S02	300,00	11,811	289,00	12,70	4,87	292,00	5,15	583,051	938,673

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 3.³ Square edge wire.

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

- See page 99 for different End Types.