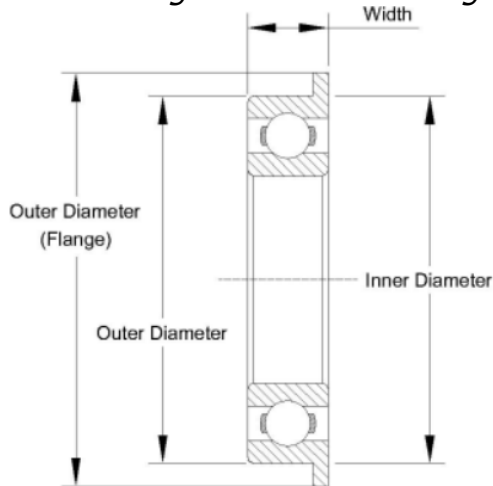




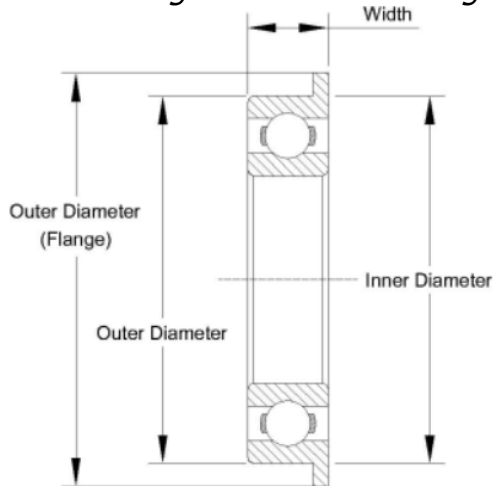
F Series Flanged Miniature Bearings



Part Number	Bore diameter	Outside diameter	Width	Flange outer diameter	Flange thickness	Seal type	Ring material	Ball material	Limiting speed
F681	1 mm	3 mm	1 mm	3.8 mm	0.3 mm	Open	Chrome Steel	Chrome Steel	130 X 1000 rpm
F691	1 mm	4 mm	1.6 mm	5 mm	0.5 mm	Open	Chrome Steel	Chrome Steel	100 X 1000 rpm
F681x	1.5 mm	4 mm	1.2 mm	5 mm	0.4 mm	Open	Chrome Steel	Chrome Steel	100 X 1000 rpm
F681xzz	1.5 mm	4 mm	2 mm	5 mm	0.6 mm	Shielded	Chrome Steel	Chrome Steel	100 X 1000 rpm
F691x	1.5 mm	5 mm	2 mm	6.5 mm	0.6 mm	Open	Chrome Steel	Chrome Steel	85 X 1000 rpm
F691xzz	1.5 mm	5 mm	2.6 mm	6.5 mm	0.8 mm	Shielded	Chrome Steel	Chrome Steel	85 X 1000 rpm
F601x	1.5 mm	6 mm	2.5 mm	7.5 mm	0.6 mm	Open	Chrome Steel	Chrome Steel	75 X 1000 rpm
F601xzz	1.5 mm	6 mm	3 mm	7.5 mm	0.8 mm	Shielded	Chrome Steel	Chrome Steel	75 X 1000 rpm
F682	2 mm	5 mm	1.5 mm	6.1 mm	0.5 mm	Open	Chrome Steel	Chrome Steel	85 X 1000 rpm
F682 2rs	2 mm	5 mm	2.3 mm	6.1 mm	0.6 mm	Sealed	Chrome Steel	Chrome Steel	85 X 1000 rpm
F682zz	2 mm	5 mm	2.3 mm	6.1 mm	0.6 mm	Shielded	Chrome Steel	Chrome Steel	85 X 1000 rpm
F692	2 mm	6 mm	2.3 mm	7.5 mm	0.6 mm	Open	Chrome Steel	Chrome Steel	75 X 1000 rpm
F692 2rs	2 mm	6 mm	3 mm	7.5 mm	0.8 mm	Sealed	Chrome Steel	Chrome Steel	75 X 1000 rpm
F692zz	2 mm	6 mm	3 mm	7.5 mm	0.8 mm	Shielded	Chrome Steel	Chrome Steel	75 X 1000 rpm
F602	2 mm	7 mm	2.8 mm	8.5 mm	0.7 mm	Open	Chrome Steel	Chrome Steel	60 X 1000 rpm
F602 2rs	2 mm	7 mm	3.5 mm	8.5 mm	0.9 mm	Sealed	Chrome Steel	Chrome Steel	60 X 1000 rpm
F602zz	2 mm	7 mm	3.5 mm	8.5 mm	0.9 mm	Shielded	Chrome Steel	Chrome Steel	60 X 1000 rpm
F682x	2.5 mm	6 mm	1.8 mm	7.1 mm	0.5 mm	Open	Chrome Steel	Chrome Steel	71 X 1000 rpm
F682x 2rs	2.5 mm	6 mm	2.6 mm	7.1 mm	0.8 mm	Sealed	Chrome Steel	Chrome Steel	71 X 1000 rpm
F682xzz	2.5 mm	6 mm	2.6 mm	7.1 mm	0.8 mm	Shielded	Chrome Steel	Chrome Steel	71 X 1000 rpm
F692x	2.5 mm	7 mm	2.5 mm	8.5 mm	0.7 mm	Open	Chrome Steel	Chrome Steel	63 X 1000 rpm
F692x 2rs	2.5 mm	7 mm	3.5 mm	8.5 mm	0.9 mm	Sealed	Chrome Steel	Chrome Steel	63 X 1000 rpm
F692xzz	2.5 mm	7 mm	3.5 mm	8.5 mm	0.9 mm	Shielded	Chrome Steel	Chrome Steel	63 X 1000 rpm
F602x	2.5 mm	8 mm	2.8 mm	9.5 mm	0.7 mm	Open	Chrome Steel	Chrome Steel	60 X 1000 rpm
F602x 2rs	2.5 mm	8 mm	4 mm	9.5 mm	0.9 mm	Sealed	Chrome Steel	Chrome Steel	60 X 1000 rpm
F602xzz	2.5 mm	8 mm	4 mm	9.5 mm	0.9 mm	Shielded	Chrome Steel	Chrome Steel	60 X 1000 rpm
F683	3 mm	7 mm	2 mm	8.1 mm	0.5 mm	Open	Chrome Steel	Chrome Steel	63 X 1000 rpm



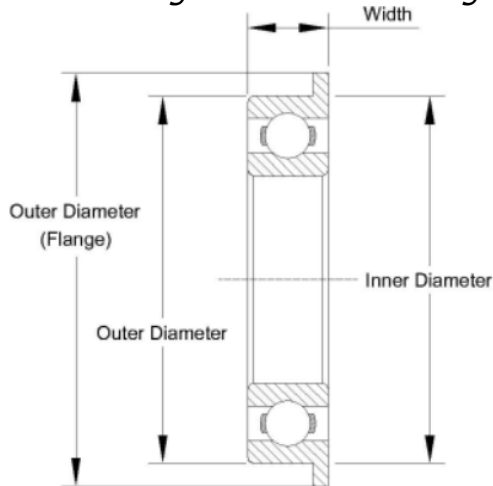
F Series Flanged Miniature Bearings



Part Number	Bore diameter	Outside diameter	Width	Flange outer diameter	Flange thickness	Seal type	Ring material	Ball material	Limiting speed
F683 2rs	3 mm	7 mm	3 mm	8.1 mm	0.8 mm	Sealed	Chrome Steel	Chrome Steel	63 X 1000 rpm
F683zz	3 mm	7 mm	3 mm	8.1 mm	0.8 mm	Shielded	Chrome Steel	Chrome Steel	63 X 1000 rpm
F693	3 mm	8 mm	3 mm	9.5 mm	0.7 mm	Open	Chrome Steel	Chrome Steel	60 X 1000 rpm
F693 2rs	3 mm	8 mm	4 mm	9.5 mm	0.9 mm	Sealed	Chrome Steel	Chrome Steel	60 X 1000 rpm
F693zz	3 mm	8 mm	4 mm	9.5 mm	0.9 mm	Shielded	Chrome Steel	Chrome Steel	60 X 1000 rpm
F603	3 mm	9 mm	3 mm	10.5 mm	0.7 mm	Open	Chrome Steel	Chrome Steel	56 X 1000 rpm
F603 2rs	3 mm	9 mm	3 mm	10.5 mm	0.7 mm	Sealed	Chrome Steel	Chrome Steel	56 X 1000 rpm
F603zz	3 mm	9 mm	3 mm	10.5 mm	0.7 mm	Shielded	Chrome Steel	Chrome Steel	56 X 1000 rpm
F623	3 mm	10 mm	4 mm	11.5 mm	1 mm	Open	Chrome Steel	Chrome Steel	50 X 1000 rpm
F623 2rs	3 mm	10 mm	4 mm	11.5 mm	1 mm	Sealed	Chrome Steel	Chrome Steel	50 X 1000 rpm
F623zz	3 mm	10 mm	4 mm	11.5 mm	1 mm	Shielded	Chrome Steel	Chrome Steel	50 X 1000 rpm
F684	4 mm	9 mm	2.5 mm	10.3 mm	0.6 mm	Open	Chrome Steel	Chrome Steel	53 X 1000 rpm
F684 2rs	4 mm	9 mm	4 mm	10.3 mm	1 mm	Sealed	Chrome Steel	Chrome Steel	53 X 1000 rpm
F684zz	4 mm	9 mm	4 mm	10.3 mm	1 mm	Shielded	Chrome Steel	Chrome Steel	53 X 1000 rpm
F694	4 mm	11 mm	4 mm	12.5 mm	1 mm	Open	Chrome Steel	Chrome Steel	48 X 1000 rpm
F694 2rs	4 mm	11 mm	4 mm	12.5 mm	1 mm	Sealed	Chrome Steel	Chrome Steel	48 X 1000 rpm
F694zz	4 mm	11 mm	4 mm	12.5 mm	1 mm	Shielded	Chrome Steel	Chrome Steel	48 X 1000 rpm
F604	4 mm	12 mm	4 mm	13.5 mm	1 mm	Open	Chrome Steel	Chrome Steel	48 X 1000 rpm
F604 2rs	4 mm	12 mm	4 mm	13.5 mm	1 mm	Sealed	Chrome Steel	Chrome Steel	48 X 1000 rpm
F604zz	4 mm	12 mm	4 mm	13.5 mm	1 mm	Shielded	Chrome Steel	Chrome Steel	48 X 1000 rpm
F624	4 mm	13 mm	5 mm	15 mm	1 mm	Open	Chrome Steel	Chrome Steel	40 X 1000 rpm
F624 2rs	4 mm	13 mm	5 mm	15 mm	1 mm	Sealed	Chrome Steel	Chrome Steel	40 X 1000 rpm
F624zz	4 mm	13 mm	5 mm	15 mm	1 mm	Shielded	Chrome Steel	Chrome Steel	40 X 1000 rpm
F634	4 mm	16 mm	5 mm	18 mm	1 mm	Open	Chrome Steel	Chrome Steel	36 X 1000 rpm
F634 2rs	4 mm	16 mm	5 mm	18 mm	1 mm	Sealed	Chrome Steel	Chrome Steel	36 X 1000 rpm
F634zz	4 mm	16 mm	5 mm	18 mm	1 mm	Shielded	Chrome Steel	Chrome Steel	36 X 1000 rpm
F685	5 mm	11 mm	3 mm	12.5 mm	0.8 mm	Open	Chrome Steel	Chrome Steel	45 X 1000 rpm



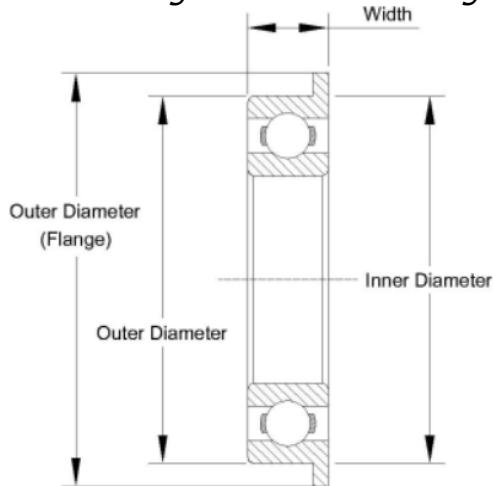
F Series Flanged Miniature Bearings



Part Number	Bore diameter	Outside diameter	Width	Flange outer diameter	Flange thickness	Seal type	Ring material	Ball material	Limiting speed
F685 2rs	5 mm	11 mm	5 mm	12.5 mm	1 mm	Sealed	Chrome Steel	Chrome Steel	45 X 1000 rpm
F685zz	5 mm	11 mm	5 mm	12.5 mm	1 mm	Shielded	Chrome Steel	Chrome Steel	45 X 1000 rpm
F695	5 mm	13 mm	4 mm	15 mm	1 mm	Open	Chrome Steel	Chrome Steel	43 X 1000 rpm
F695 2rs	5 mm	13 mm	4 mm	15 mm	1 mm	Sealed	Chrome Steel	Chrome Steel	43 X 1000 rpm
F695zz	5 mm	13 mm	4 mm	15 mm	1 mm	Shielded	Chrome Steel	Chrome Steel	43 X 1000 rpm
F605	5 mm	14 mm	5 mm	16 mm	1 mm	Open	Chrome Steel	Chrome Steel	40 X 1000 rpm
F605 2rs	5 mm	14 mm	5 mm	16 mm	1 mm	Sealed	Chrome Steel	Chrome Steel	40 X 1000 rpm
F605zz	5 mm	14 mm	5 mm	16 mm	1 mm	Shielded	Chrome Steel	Chrome Steel	40 X 1000 rpm
F625	5 mm	16 mm	5 mm	18 mm	1 mm	Open	Chrome Steel	Chrome Steel	36 X 1000 rpm
F625 2rs	5 mm	16 mm	5 mm	18 mm	1 mm	Sealed	Chrome Steel	Chrome Steel	36 X 1000 rpm
F625zz	5 mm	16 mm	5 mm	18 mm	1 mm	Shielded	Chrome Steel	Chrome Steel	36 X 1000 rpm
F635	5 mm	19 mm	6 mm	22 mm	1.5 mm	Open	Chrome Steel	Chrome Steel	32 X 1000 rpm
F635 2rs	5 mm	19 mm	6 mm	22 mm	1.5 mm	Sealed	Chrome Steel	Chrome Steel	32 X 1000 rpm
F635zz	5 mm	19 mm	6 mm	22 mm	1.5 mm	Shielded	Chrome Steel	Chrome Steel	32 X 1000 rpm
F686	6 mm	13 mm	3.5 mm	15 mm	1 mm	Open	Chrome Steel	Chrome Steel	40 X 1000 rpm
F686 2rs	6 mm	13 mm	5 mm	15 mm	1.1 mm	Sealed	Chrome Steel	Chrome Steel	40 X 1000 rpm
F686zz	6 mm	13 mm	5 mm	15 mm	1.1 mm	Shielded	Chrome Steel	Chrome Steel	40 X 1000 rpm
F696	6 mm	15 mm	5 mm	17 mm	1.2 mm	Open	Chrome Steel	Chrome Steel	40 X 1000 rpm
F696 2rs	6 mm	15 mm	5 mm	17 mm	1.2 mm	Sealed	Chrome Steel	Chrome Steel	40 X 1000 rpm
F696zz	6 mm	15 mm	5 mm	17 mm	1.2 mm	Shielded	Chrome Steel	Chrome Steel	40 X 1000 rpm
F606	6 mm	17 mm	6 mm	19 mm	1.2 mm	Open	Chrome Steel	Chrome Steel	38 X 1000 rpm
F606 2rs	6 mm	17 mm	6 mm	19 mm	1.2 mm	Sealed	Chrome Steel	Chrome Steel	38 X 1000 rpm
F606zz	6 mm	17 mm	6 mm	19 mm	1.2 mm	Shielded	Chrome Steel	Chrome Steel	38 X 1000 rpm
F626	6 mm	19 mm	6 mm	22 mm	1.5 mm	Open	Chrome Steel	Chrome Steel	32 X 1000 rpm
F626 2rs	6 mm	19 mm	6 mm	22 mm	1.5 mm	Sealed	Chrome Steel	Chrome Steel	32 X 1000 rpm
F626zz	6 mm	19 mm	6 mm	22 mm	1.5 mm	Shielded	Chrome Steel	Chrome Steel	32 X 1000 rpm
F636ZZ	6 mm	22 mm	7 mm	25 mm	1.5 mm	Shielded	Chrome Steel	Chrome Steel	36 X 1000 rpm



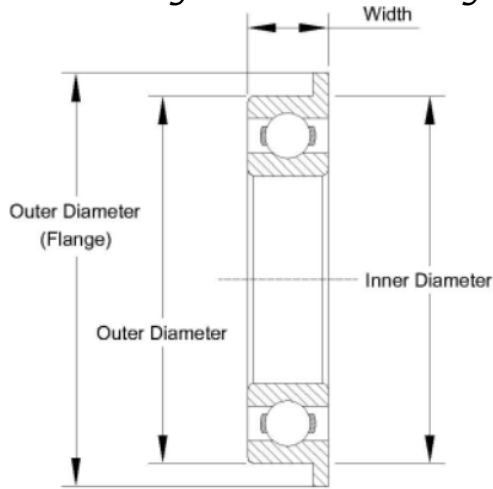
F Series Flanged Miniature Bearings



Part Number	Bore diameter	Outside diameter	Width	Flange outer diameter	Flange thickness	Seal type	Ring material	Ball material	Limiting speed
F687	7 mm	14 mm	3.5 mm	16 mm	1 mm	Open	Chrome Steel	Chrome Steel	40 X 1000 rpm
F687 2rs	7 mm	14 mm	5 mm	16 mm	1.1 mm	Sealed	Chrome Steel	Chrome Steel	40 X 1000 rpm
F687zz	7 mm	14 mm	5 mm	16 mm	1.1 mm	Shielded	Chrome Steel	Chrome Steel	40 X 1000 rpm
F697	7 mm	17 mm	5 mm	19 mm	1.2 mm	Open	Chrome Steel	Chrome Steel	36 X 1000 rpm
F697 2rs	7 mm	17 mm	5 mm	19 mm	1.2 mm	Sealed	Chrome Steel	Chrome Steel	36 X 1000 rpm
F697zz	7 mm	17 mm	5 mm	19 mm	1.2 mm	Shielded	Chrome Steel	Chrome Steel	36 X 1000 rpm
F607	7 mm	19 mm	6 mm	22 mm	1.5 mm	Open	Chrome Steel	Chrome Steel	36 X 1000 rpm
F607 2rs	7 mm	19 mm	6 mm	22 mm	1.5 mm	Sealed	Chrome Steel	Chrome Steel	36 X 1000 rpm
F607zz	7 mm	19 mm	6 mm	22 mm	1.5 mm	Shielded	Chrome Steel	Chrome Steel	36 X 1000 rpm
F627	7 mm	22 mm	7 mm	25 mm	1.5 mm	Open	Chrome Steel	Chrome Steel	30 X 1000 rpm
F627 2rs	7 mm	22 mm	7 mm	25 mm	1.5 mm	Sealed	Chrome Steel	Chrome Steel	30 X 1000 rpm
F627zz	7 mm	22 mm	7 mm	25 mm	1.5 mm	Shielded	Chrome Steel	Chrome Steel	30 X 1000 rpm
F688	8 mm	16 mm	4 mm	18 mm	1 mm	Open	Chrome Steel	Chrome Steel	36 X 1000 rpm
F688 2rs	8 mm	16 mm	5 mm	18 mm	1.1 mm	Sealed	Chrome Steel	Chrome Steel	36 X 1000 rpm
F688zz	8 mm	16 mm	5 mm	18 mm	1.1 mm	Shielded	Chrome Steel	Chrome Steel	36 X 1000 rpm
F698	8 mm	19 mm	6 mm	22 mm	1.5 mm	Open	Chrome Steel	Chrome Steel	36 X 1000 rpm
F698 2rs	8 mm	19 mm	6 mm	22 mm	1.5 mm	Sealed	Chrome Steel	Chrome Steel	36 X 1000 rpm
F698zz	8 mm	19 mm	6 mm	22 mm	1.5 mm	Shielded	Chrome Steel	Chrome Steel	36 X 1000 rpm
F608	8 mm	22 mm	7 mm	25 mm	1.5 mm	Open	Chrome Steel	Chrome Steel	34 X 1000 rpm
F608 2rs	8 mm	22 mm	7 mm	25 mm	1.5 mm	Sealed	Chrome Steel	Chrome Steel	34 X 1000 rpm
F608zz	8 mm	22 mm	7 mm	25 mm	1.5 mm	Shielded	Chrome Steel	Chrome Steel	34 X 1000 rpm
F679	9 mm	14 mm	3 mm	15.5 mm	0.8 mm	Open	Chrome Steel	Chrome Steel	36 X 1000 rpm
F679 2rs	9 mm	14 mm	4.5 mm	15.5 mm	0.8 mm	Sealed	Chrome Steel	Chrome Steel	36 X 1000 rpm
F679zz	9 mm	14 mm	4.5 mm	15.5 mm	0.8 mm	Shielded	Chrome Steel	Chrome Steel	36 X 1000 rpm
F689	9 mm	17 mm	4 mm	19 mm	1 mm	Open	Chrome Steel	Chrome Steel	36 X 1000 rpm
F689 2rs	9 mm	17 mm	5 mm	19 mm	1.1 mm	Sealed	Chrome Steel	Chrome Steel	36 X 1000 rpm
F689zz	9 mm	17 mm	5 mm	19 mm	1.1 mm	Shielded	Chrome Steel	Chrome Steel	36 X 1000 rpm



F Series Flanged Miniature Bearings



Part Number	Bore diameter	Outside diameter	Width	Flange outer diameter	Flange thickness	Seal type	Ring material	Ball material	Limiting speed
F699	9 mm	20 mm	6 mm	23 mm	1.5 mm	Open	Chrome Steel	Chrome Steel	34 X 1000 rpm
F699 2rs	9 mm	20 mm	6 mm	23 mm	1.5 mm	Sealed	Chrome Steel	Chrome Steel	34 X 1000 rpm
F699zz	9 mm	20 mm	6 mm	23 mm	1.5 mm	Shielded	Chrome Steel	Chrome Steel	34 X 1000 rpm
F609	9 mm	24 mm	7 mm	27 mm	1.5 mm	Open	Chrome Steel	Chrome Steel	32 X 1000 rpm
F609 2rs	9 mm	24 mm	7 mm	27 mm	1.5 mm	Sealed	Chrome Steel	Chrome Steel	32 X 1000 rpm
F609zz	9 mm	24 mm	7 mm	27 mm	1.5 mm	Shielded	Chrome Steel	Chrome Steel	32 X 1000 rpm