



G1 = LUBRICATING NIPPLE EQ SPACED  
 NOTE - IF LOCATION ARE REQUIRED ON STANDARD BEARINGS, IT IS ESSENTIAL THAT THIS IS INDICATED AT THE TIME OF ORDERING  
 AXIAL CLEARANCE = TILTING CLEARANCE

**BEARING UNGEARED**

ITEM CODE NO	ROLLING ELEMENT P.C.D.	OUTER DIAMETER	INNER DIAMETER	HEIGHT	EXTERNAL CLAMPING BOLT P.C.D.	INTERNAL CLAMPING BOLT P.C.D.	EXTERNAL NO OF HOLES	EXTERNAL BOLT SIZE	INTERNAL NO OFF HOLES	INTERNAL BOLT SIZE	THREADING LENGTH	NUMBER OF LUBRICATING PLUGS	DIAMETER	DIAMETER	DIAMETER	DIAMETER	DISTANCE	DISTANCE	GEAR P.C.D.	MODULE	NUMBER OF TEETH	TOOTH WIDTH	DISTANCE	DISTANCE	LOAD RATING				BEARING CLEARANCE	ITEM CODE NO				
																									STATIC	DYNAMIC					axial [mm]	radial [mm]		
	DE [mm]	D1 [mm]	d1 [mm]	T [mm]	D2 [mm]	d2 [mm]	n <sub>e</sub>	S [mm]	n <sub>i</sub>	M [mm]	L [mm]	G1	d3 [mm]	D3 [mm]	D4 [mm]	d4 [mm]	t2 [mm]	T1 [mm]	d [mm]	m	z	W [mm]	t1 [mm]	T2 [mm]	k.m [mm]	[kN]	[kN]	Co rad (kN)	Co ax (kN)	C rad (kN)	C ax (kN)	axial [mm]	radial [mm]	
111-20-0314-FF	314	386	242	56	360	268	20	14	20	14	20	4	312.5	315.5	-	-	10.5	10.5	-	-	-	-	45.5	45.5	-	-	173	403	126	126	≤ 0.28	≤ 0.24	111-20-0314-FF	
111-20-0414-FF	414	486	342	56	460	368	24	14	24	14	24	4	412.5	415.5	-	-	10.5	10.5	-	-	-	-	45.5	45.5	-	-	206	533	126	126	≤ 0.28	≤ 0.24	111-20-0414-FF	
111-20-0544-FF	544	616	472	56	590	498	32	14	32	14	32	4	542.5	545.5	-	-	10.5	10.5	-	-	-	-	45.5	45.5	-	-	301	702	156	157	≤ 0.30	≤ 0.26	111-20-0544-FF	
111-20-0644-FF	644	716	572	56	690	598	36	14	36	14	36	4	642.5	645.5	-	-	10.5	10.5	-	-	-	-	45.5	45.5	-	-	356	832	166	167	≤ 0.30	≤ 0.26	111-20-0644-FF	
111-20-0744-FF	744	816	672	56	790	698	40	14	40	14	40	4	742.5	745.5	-	-	10.5	10.5	-	-	-	-	45.5	45.5	-	-	411	961	175	176	≤ 0.30	≤ 0.26	111-20-0744-FF	
111-20-0844-FF	844	916	772	56	890	798	40	14	40	14	40	4	842.5	845.5	-	-	10.5	10.5	-	-	-	-	45.5	45.5	-	-	467	1091	184	185	≤ 0.30	≤ 0.26	111-20-0844-FF	
111-20-0944-FF	944	1016	872	56	990	898	44	14	44	14	44	4	942.5	945.5	-	-	10.5	10.5	-	-	-	-	45.5	45.5	-	-	522	1220	192	193	≤ 0.30	≤ 0.26	111-20-0944-FF	
111-20-1094-FF	1094	1166	1022	56	1140	1048	48	14	48	14	48	4	1092.5	1095.5	-	-	10.5	10.5	-	-	-	-	45.5	45.5	-	-	606	1415	202	203	≤ 0.30	≤ 0.26	111-20-1094-FF	

**BEARING WITH EXTERNAL GEAR**

112-20-0314-FF	314	404.0	242	56	355	268	20	M 12	20	14	20	4	312.5	315.5	-	-	10.5	10.5	396	5	79	45.5	45.5	45.5	-	11.75	23.50	173	403	126	126	≤ 0.28	≤ 0.24	112-20-0314-FF
112-20-0414-FF	414	504.0	342	56	455	368	20	M 12	24	14	20	4	412.5	415.5	-	-	10.5	10.5	495	5	99	45.5	45.5	45.5	-	11.75	23.50	206	533	126	126	≤ 0.28	≤ 0.24	112-20-0414-FF
112-20-0544-FF	544	640.8	472	56	585	498	28	M 12	32	14	20	4	542.5	545.5	-	-	10.5	10.5	630	6	105	45.5	45.5	45.5	-	14.20	28.40	301	702	156	157	≤ 0.30	≤ 0.26	112-20-0544-FF
112-20-0644-FF	644	742.8	572	56	685	598	32	M 12	36	14	20	4	642.5	645.5	-	-	10.5	10.5	732	6	122	45.5	45.5	45.5	-	14.20	28.40	356	832	166	167	≤ 0.30	≤ 0.26	112-20-0644-FF
112-20-0744-FF	744	838.8	672	56	785	698	36	M 12	40	14	20	4	742.5	745.5	-	-	10.5	10.5	828	6	138	45.5	45.5	45.5	-	14.20	28.40	411	961	175	176	≤ 0.30	≤ 0.26	112-20-0744-FF
112-20-0844-FF	844	950.4	772	56	885	798	36	M 12	40	14	20	4	842.5	845.5	-	-	10.5	10.5	936	8	117	45.5	45.5	45.5	-	18.93	37.86	467	1091	184	185	≤ 0.30	≤ 0.26	112-20-0844-FF
112-20-0944-FF	944	1046.4	872	56	985	898	40	M 12	44	14	20	4	942.5	945.5	-	-	10.5	10.5	1032	8	129	45.5	45.5	45.5	-	18.93	37.86	522	1220	192	193	≤ 0.30	≤ 0.26	112-20-0944-FF
112-20-1094-FF	1094	1198.4	1022	56	1135	1048	44	M 12	48	14	20	4	1092.5	1095.5	-	-	10.5	10.5	1184	8	148	45.5	45.5	45.5	-	18.93	37.86	606	1415	202	203	≤ 0.30	≤ 0.26	112-20-1094-FF

**BEARING WITH INTERNAL GEAR**

113-20-0314-FF	314	386	226.5	56	360	275	20	14	24	M 12	20	4	312.5	315.5	-	-	10.5	10.5	235	5	47	45.5	45.5	45.5	-	11.9	22.7	173	403	126	126	≤ 0.28	≤ 0.24	113-20-0314-FF
113-20-0414-FF	414	486	326.5	56	460	375	24	14	24	M 12	20	4	412.5	415.5	-	-	10.5	10.5	335	5	67	45.5	45.5	45.5	-	13.54	27.08	206	533	126	126	≤ 0.28	≤ 0.24	113-20-0414-FF
113-20-0544-FF	544	616	445.2	56	590	505	32	14	32	M 12	20	4	542.5	545.5	-	-	10.5	10.5	456	6	76	45.5	45.5	45.5	-	16.00	32.00	301	702	156	157	≤ 0.30	≤ 0.26	113-20-0544-FF
113-20-0644-FF	644	716	547.2	56	690	605	36	14	36	M 12	20	4	642.5	645.5	-	-	10.5	10.5	558	6	93	45.5	45.5	45.5	-	15.62	31.24	356	832	166	167	≤ 0.30	≤ 0.26	113-20-0644-FF
113-20-0744-FF	744	816	649.2	56	790	705	40	14	40	M 12	20	4	742.5	745.5	-	-	10.5	10.5	660	6	110	45.5	45.5	45.5	-	15.32	30.64	411	961	175	176	≤ 0.30	≤ 0.26	113-20-0744-FF
113-20-0844-FF	844	916	737.6	56	890	805	40	14	40	M 12	20	4	842.5	845.5	-	-	10.5	10.5	752	8	94	45.5	45.5	45.5	-	20.80	41.60	467	1091	184	185	≤ 0.30	≤ 0.26	113-20-0844-FF
113-20-0944-FF	944	1016	841.6	56	990	905	44	14	44	M 12	20	4	942.5	945.5	-	-	10.5	10.5	856	8	107	45.5	45.5	45.5	-	20.49	40.98	522	1220	192	193	≤ 0.30	≤ 0.26	113-20-0944-FF
113-20-1094-FF	1094	1166	985.6	56	1140	1055	48	14	48	M 12	20	4	1092.5	1095.5	-	-	10.5	10.5	1000	8	125	45.5	45.5	45.5	-	20.16	40.32	606	1415	202	203	≤ 0.30	≤ 0.26	113-20-1094-FF

**NOMENCLATURE :-**

1 1 1 - 20 - 0414 - CF	1 1 1 - 20 - 0414 - CF	1 1 1 - 20 - 0414 - CF	1 1 1 - 20 - 0414 - CF	1 1 1 - 20 - 0414 - CF	1 1 1 - 20 - 0414 - CF
1 - FOR BALL TYPE	1 - FOR SINGLE TRACK	1 - FOR WITHOUT GEARING			
2 - FOR ROLLER TYPE	2 - FOR DOUBLE TRACK	2 - FOR EXTERNAL GEARING	BALL OR ROLLER DIAMETER	BALL OR ROLLER TRACK DIAMETER	
	3 - FOR TRIPLE TRACK	3 - FOR INTERNAL GEARING			

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