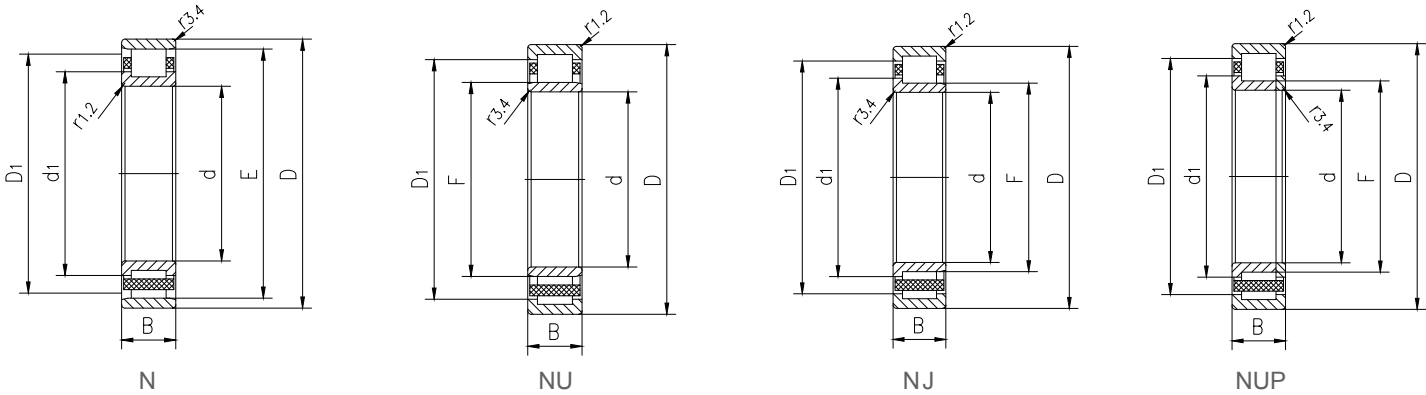


Suffixes of available designs

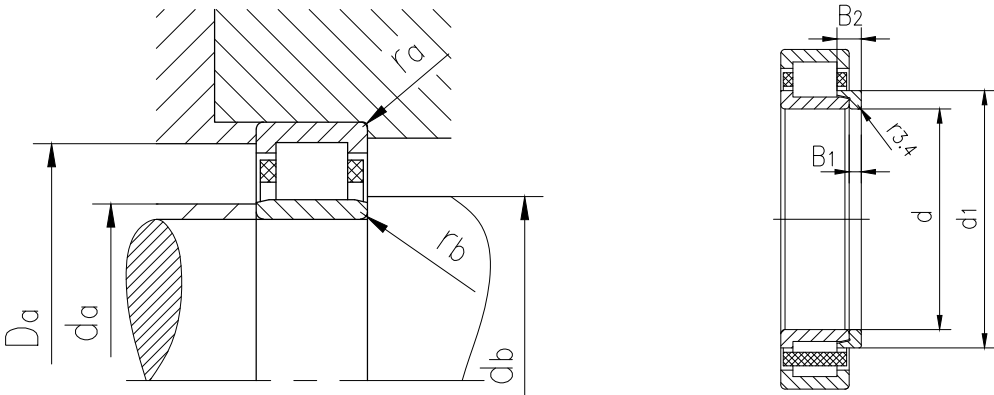
Suffix	Meaning
A	Deviating or modified internal design
CV	Modified internal design, full complement roller set
EC	Optimized internal design incorporating more and/or larger rollers and with modified roller end / large contact
ADB	Modified internal design and seal (for NNF 50 series)
B	Improved seal and grease
DA	Modified internal design and seal (for 3194** series)
K	Tapered bore, taper 1:12
N	Snap ring groove in the outer ring
NR	Snap ring groove in the outer ring, with associated snap ring
N1	One locating slot (notch) in one outer ring side face
N2	Two locating slots (notches) in one outer ring side face, 180° apart
-2LS	Contact seal, PUR, on both sides
FR	Pin-type steel cage, pierced rollers
J	Stamped steel cage, roller centred
JA	Sheet steel cage, outer ring centred
JB	Sheet steel cage, inner ring centred
L	Machined light alloy cage, roller centred
LA	Machined light alloy cage, outer ring centred
LB	Machined light alloy cage, inner ring centred
LL	Machined light alloy cage, window-type, inner or outer ring centred (depending on bearing design)
M	Machined brass cage, roller centred
MA(S)	Machined brass cage, outer ring centred. The S indicates a lubrication groove in the guiding surface.
MB	Machined brass cage, inner ring centred
MH	Machined brass cage, inner ring raceway centred
ML	Machined brass cage, window-type, inner or outer ring centred (depending on bearing design)
MP	Machined brass cage, window-type, inner or outer ring centred (depending on bearing size)
MR	Machined brass cage, window-type, roller centred
P	Glass fibre reinforced PA66 cage, roller centred
PA	Glass fibre reinforced PA66 cage, outer ring centred
PH	Glass fibre reinforced PEEK cage, roller centred

Suffix	Meaning
PHA	Glass fibre reinforced PEEK cage, outer ring centred
V	Full complement of rollers (no cage)
VH	Full complement of rollers (no cage), self-retaining
HA1	Case-hardened inner and outer rings
HA2	Case-hardened outer ring
HA3	Case-hardened inner ring
HB1	Bainite-hardened inner and outer rings
HB3	Bainite-hardened inner ring
HN1	Inner and outer rings with special surface heat treatment
L4B	Bearing rings and rollers black oxidized
L5B	Rollers black oxidized
L7B	Inner ring and rollers black oxidized
CN	Normal radial internal clearance; only used together with an additional letter that identifies a
C2	Radial internal clearance smaller than Normal
C3	Radial internal clearance greater than Normal
C4	Radial internal clearance greater than C3
C5	Radial internal clearance greater than C4
DR	Set of two matched bearings
TR	Set of three matched bearings
QR	Set of four matched bearings
S1	Bearing rings heat stabilized for operating temperatures ≤ 200 °C (390 °F)
S2	Bearing rings heat stabilized for operating temperatures ≤ 250 °C (480 °F)
W33	Annular groove and three lubrication holes in the outer ring
PEX	KMR Explorer bearing, used only when same-sized conventional and KMR Explorer bearings are available
VA301	Bearing for railway vehicle traction motors
VA305	VA301 + special inspection routines
VA350	Bearing for railway axleboxes
VA380	Bearing for railway axleboxes in accordance with EN 12080, class 1
VA3091	VA301 + external surfaces of the outer ring are coated with aluminium oxide
VC025	Bearing with special wear-resistant raceways for applications in heavily contaminated environments
VE901	Modified internal design
VQ015	Inner ring with crowned raceway for increased permissible misalignment

Single row cylindrical roller bearings

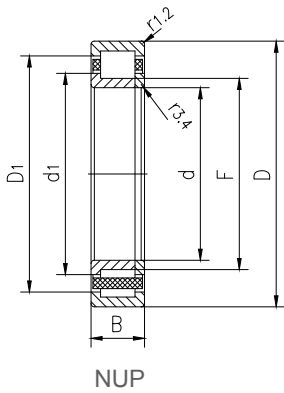
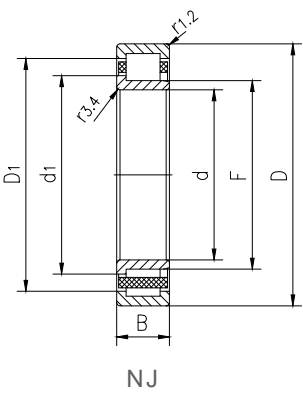
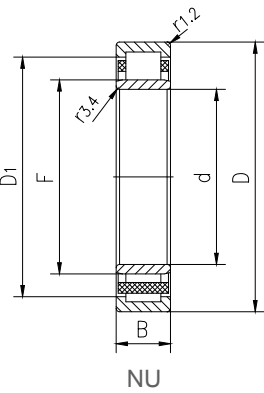


Type			Main dimensions			Dimensions								Shoulder and chamfer dimensions					
Bearings with standard cage	Optional Standard Cage	Corner ring	d	D	B	d _i	D _i	F, E	r _{1.2} min.	r _{3.4} min.	s max.	B ₁	B ₂	d _a min.	d _a max.	d _b , D _a min.	D _a max.	r _a max.	r _b max.
-			mm			mm								mm					
NJ324ECJ	M,ML,P	HJ 324 EC	120	260	55	168	217.8	154	3	3	3.7	14	23	134	150	171	244.8	2.5	—
NUP324ECP	J,M,ML	—	120	260	55	168	217.8	154	3	3	—	—	—	134	—	171	244.8	2.5	—
NU2324ECML	M	HJ 2324 EC	120	260	86	—	218.7	154	3	3	7.2	14	26	134	150	157	244.8	2.5	2.5
NJ2324ECML	M	HJ 2324 EC	120	260	86	168	218.7	154	3	3	7.2	14	26	134	150	171	244.8	2.5	—
NUP2324ECML	M	—	120	260	86	168	218.7	154	3	3	—	—	—	134	—	171	244.8	2.5	—
NU424	M	HJ 424	120	310	72	—	238.5	170	5	5	6.3	17	31	144	165	173	286	4	4
NU1026ML	M	—	130	200	33	—	175.2	148	2	1.1	4.7	—	—	137	145	151	191	2	1
NJ1026ML	M	—	130	200	33	154	175.2	148	2	1.1	4.7	—	—	137	145	158	191	2	—
N226ECP	—	—	130	230	40	164	—	209.5	3	3	2.1	—	—	144	206	213	217	2.5	2.5
NU226ECP	J,M,ML	HJ 226 EC	130	230	40	—	200.3	153.5	3	3	2.1	11	17	144	150	157	215.4	2.5	2.5
NUP226ECJ	M,ML,P	—	130	230	40	164	200.3	153.5	3	3	—	—	—	144	—	167	215.4	2.5	—
NJ226ECP	J,M,ML	HJ 226 EC	130	230	40	164	200.3	153.5	3	3	2.1	11	17	144	150	167	215.4	2.5	—
NU2226ECP	ML	HJ 2226 EC	130	230	64	—	200.3	153.5	3	3	4.3	11	21	144	150	157	215.4	2.5	2.5
NUP2226ECP	—	—	130	230	64	164	200.3	153.5	3	3	—	—	—	144	—	167	215.4	2.5	—
NJ2226ECML	P	HJ 2226 EC	130	230	64	164	201.2	153.5	3	3	4.3	11	21	144	150	167	215.4	2.5	—
NU326ECP	J,M,ML	HJ 326 EC	130	280	58	—	234.2	167	4	4	3.7	14	23	147	163	170	261.4	3	3
NJ326ECJ	M,ML,P	HJ 326 EC	130	280	58	181	234.2	167	4	4	3.7	14	23	147	163	184	261.4	3	—
N326ECM	P	—	130	280	58	181	—	247	4	4	3.7	—	—	147	243	251	262	3	3
NUP326ECP	J,M,ML	—	130	280	58	181	234.2	167	4	4	—	—	—	147	—	184	261.4	3	—
NU2326ECML	PA	HJ 2326 EC	130	280	93	—	235.2	167	4	4	8.7	14	28	147	163	170	261.4	3	3
NJ2326ECML	PA	HJ 2326 EC	130	280	93	181	235.2	167	4	4	8.7	14	28	147	163	184	261.4	3	—
NUP2326ECML	—	—	130	280	93	181	235.2	167	4	4	—	—	—	147	—	184	261.4	3	—
NU1028ML	M	—	140	210	33	—	184.2	158	2	1.1	4.4	—	—	147	155	161	201	2	1
NUP228ECJ	M,ML	—	140	250	42	179	215.78	169	3	3	—	—	—	154	—	182	235	2.5	—
NJ228ECJ	M,ML	HJ 228 EC	140	250	42	179	215.78	169	3	3	2.5	11	18	154	165	182	235	2.5	—
NU228ECM	J,ML	HJ 228 EC	140	250	42	—	215.78	169	3	3	2.5	11	18	154	165	172	235	2.5	2.5
NU2228ECML	PA	HJ 2228 EC	140	250	68	—	216.7	169	3	3	4.4	11	23	154	165	172	235	2.5	2.5
NJ2228ECML	PA	HJ 2228 EC	140	250	68	179	216.7	169	3	3	4.4	11	23	154	165	182	235	2.5	—
NUP2228ECML	—	—	140	250	68	179	216.7	169	3	3	—	—	—	154	—	182	235	2.5	—
NJ328ECJ	M,ML	HJ 328 EC	140	300	62	195	250.6	180	4	4	3.7	15	25	157	175	199	282.5	3	—
NU328ECM	J,ML	HJ 328 EC	140	300	62	—	250.6	180	4	4	3.7	15	25	157	175	183	282.5	3	3
NUP328ECM	—	—	140	300	62	195	250.6	180	4	4	—	—	—	157	—	199	282.5	3	—
NU2328ECML	—	HJ 2328 EC	140	300	102	—	251.7	180	4	4	9.7	15	31	157	175	183	282.5	3	3
NJ2328ECML	—	HJ 2328 EC	140	300	102	195	251.7	180	4	4	9.7	15	31	157	175	199	282.5	3	—
NUP2328ECML	—	—	140	300	102	195	251.7	180	4	4	—	—	—	157	—	199	282.5	3	—
NU1030ML	M	—	150	225	35	—	199.05	169.5	2.1	1.5	4.9	—	—	158	167	173	215	2	1.5
NUP230ECJ	M,ML	—	150	270	45	193	232.2	182	3	3	—	—	—	164	—	196	254.6	2.5	—

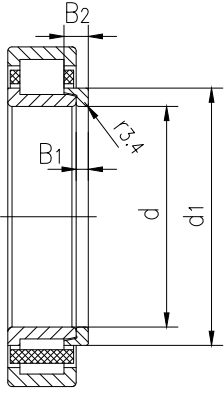
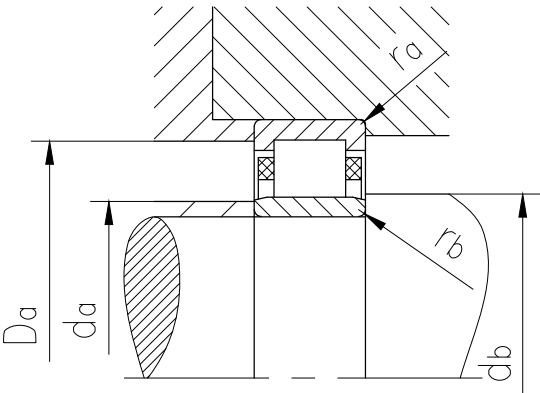


Type			Weight	Weight of corner ring	Basic load rating		Fatigue load limit	Rated speed reference speed	Maximum speed	Calculate the coefficient
Bearings with standard cage	Optional Standard Cage	Corner ring			Dynamic C	Static C ₀	P _u			k _r
-			kg	kg	kN			r/min		-
NJ324ECJ	M,ML,P	HJ 324 EC	13.5	1.4	640.5	651	72.975	2940	3360	0.15
NUP324ECP	J,M,ML	—	14	—	640.5	651	72.975	2940	3360	0.15
NU2324ECML	M	HJ 2324 EC	22.5	1.45	960.75	1092	121.8	2940	5250	0.38
NJ2324ECML	M	HJ 2324 EC	23	1.45	960.75	1092	121.8	2940	5250	0.38
NUP2324ECML	M	—	23.5	—	960.75	1092	121.8	2940	5250	0.38
NU424	M	HJ 424	27.5	2.6	676.2	771.75	81.9	2520	2940	0.15
NU1026ML	M	—	3.85	—	173.25	235.2	26.25	3990	5880	0.15
NJ1026ML	M	—	3.9	—	173.25	235.2	26.25	3990	5880	0.15
N226ECP	—	—	6.45	—	435.75	477.75	53.55	3360	3570	0.12
NU226ECP	J,M,ML	HJ 226 EC	6.45	0.75	435.75	477.75	53.55	3360	3570	0.15
NUP226ECJ	M,ML,P	—	6.5	—	435.75	477.75	53.55	3360	3570	0.15
NJ226ECP	J,M,ML	HJ 226 EC	6.6	0.75	435.75	477.75	53.55	3360	3570	0.15
NU2226ECP	ML	HJ 2226 EC	10	0.83	640.5	771.75	87.15	3360	3570	0.2
NUP2226ECP	—	—	10.5	—	640.5	771.75	87.15	3360	3570	0.2
NJ2226ECML	P	HJ 2226 EC	12	0.83	640.5	771.75	87.15	3360	5565	0.3
NU326ECP	J,M,ML	HJ 326 EC	16	1.65	756	787.5	85.575	2520	3150	0.15
NJ326ECJ	M,ML,P	HJ 326 EC	16.5	1.65	756	787.5	85.575	2520	3150	0.15
N326ECM	P	—	18	—	756	787.5	85.575	2520	3150	0.12
NUP326ECP	J,M,ML	—	19.5	—	756	787.5	85.575	2520	3150	0.15
NU2326ECML	PA	HJ 2326 EC	28.5	1.6	1113	1312.5	143.85	2520	4725	0.38
NJ2326ECML	PA	HJ 2326 EC	29.5	1.6	1113	1312.5	143.85	2520	4725	0.38
NUP2326ECML	—	—	29.5	—	1113	1312.5	143.85	2520	4725	0.38
NU1028ML	M	—	4.05	—	187.95	267.75	29.4	3780	5565	0.15
NUP228ECJ	M,ML	—	8.45	—	472.5	535.5	59.85	2940	3360	0.15
NJ228ECJ	M,ML	HJ 228 EC	8.6	0.97	472.5	535.5	59.85	2940	3360	0.15
NU228ECM	J,ML	HJ 228 EC	9.4	0.97	472.5	535.5	59.85	2940	3360	0.15
NU2228ECML	PA	HJ 2228 EC	15	1.05	687.75	871.5	97.65	2940	5040	0.3
NJ2228ECML	PA	HJ 2228 EC	15.5	1.05	687.75	871.5	97.65	2940	5040	0.3
NUP2228ECML	—	—	15.5	—	687.75	871.5	97.65	2940	5040	0.3
NJ328ECJ	M,ML	HJ 328 EC	20	2.05	819	871.5	92.4	2520	2940	0.15
NU328ECM	J,ML	HJ 328 EC	22.5	2.05	819	871.5	92.4	2520	2940	0.15
NUP328ECM	—	—	23.5	—	819	871.5	92.4	2520	2940	0.15
NU2328ECML	—	HJ 2328 EC	36	2.15	1260	1501.5	157.5	2520	4515	0.38
NJ2328ECML	—	HJ 2328 EC	36.5	2.15	1260	1501.5	157.5	2520	4515	0.38
NUP2328ECML	—	—	37	—	1260	1501.5	157.5	2520	4515	0.38
NU1030ML	M	—	4.9	—	207.9	304.5	33.075	3360	5250	0.15
NUP230ECJ	M,ML	—	10.5	—	535.5	630	67.2	2730	2940	0.15

Single row cylindrical roller bearings

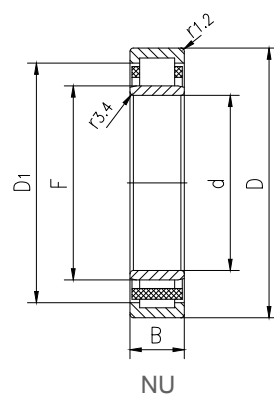


Type			Main dimensions			Dimensions										Shoulder and chamfer dimensions					
Bearings with standard cage	Optional Standard Cage	Corner ring	d	D	B	d ₁ ≈	D ₁ ≈	F, E	r _{1,2} min.	r _{3,4} min.	s max.	B ₁	B ₂	d _a min.	d _a max.	d _b , D _a min.	D _a max.	r _a max.	r _b max.		
-			mm			mm										mm					
NU230ECM	J,ML	HJ 230 EC	150	270	45	—	232.2	182	3	3	2.5	12	20	164	178	186	254.6	2.5	2.5		
NJ230ECM	J,ML	HJ 230 EC	150	270	45	193	232.2	182	3	3	2.5	12	20	164	178	196	254.6	2.5	—		
NU2230ECM	ML	HJ 2230 EC	150	270	73	—	232.2	182	3	3	4.9	12	25	164	178	186	254.6	2.5	2.5		
NJ2230ECM	ML	HJ 2230 EC	150	270	73	194	232.2	182	3	3	4.9	12	25	164	178	197	254.6	2.5	—		
NU330ECM	ML	HJ 330 EC	150	320	65	—	268.7	193	4	4	4	15	25	167	188	196	302.2	3	3		
NJ330ECML	M	HJ 330 EC	150	320	65	209	269.8	193	4	4	4	15	25	167	188	213	302.2	3	—		
NU2330ECML	—	—	150	320	108	—	269.8	193	4	4	10.5	—	—	167	188	196	302.2	3	3		
NJ2330ECML	—	—	150	320	108	209	269.8	193	4	4	10.5	—	—	167	188	213	302.2	3	—		
NU1032ML	M	HJ 1032	160	240	38	—	210.8	180	2.1	1.5	5.2	10	19	167	177	183	230	2	1.5		
NU232ECM	ML	HJ 232 EC	160	290	48	—	248.6	195	3	3	2.7	12	20	175	191	198	274.2	2.5	2.5		
NUP232ECM	—	—	160	290	48	206	248.6	195	3	3	—	—	—	175	—	210	274.2	2.5	—		
NJ232ECML	M	HJ 232 EC	160	290	48	206	249.6	195	3	3	2.7	12	20	175	191	210	274.2	2.5	—		
NU2232ECML	M	HJ 2232 EC	160	290	80	—	251.1	193	3	3	4.5	12	25	174	189	196	274.2	2.5	2.5		
NJ2232ECML	M	HJ 2232 EC	160	290	80	205	251.1	193	3	3	4.5	12	25	174	189	209	274.2	2.5	—		
NJ332ECML	M	HJ 332 EC	160	340	68	221	286	204	4	4	4	15	25	177	199	225	321.9	3	—		
NU332ECML	M	HJ 332 EC	160	340	68	—	286	204	4	4	4	15	25	177	199	207	321.9	3	3		
NU2332ECML	—	—	160	340	114	—	286	204	4	4	11	—	—	177	199	207	321.9	3	3		
NJ2332ECML	—	—	160	340	114	221	286	204	4	4	11	—	—	177	199	225	321.9	3	—		
NU1034ML	M	HJ 1034	170	260	42	—	226.9	193	2.1	2.1	5.8	11	21	180	189	197	250	2	2		
NJ1034ML	M	HJ 1034	170	260	42	201	226.9	193	2.1	2.1	5.8	11	21	180	189	206	250	2	—		
NJ234ECML	M	HJ 234 EC	170	310	52	220	268.5	207	4	4	2.9	12	20	188	203	224	292.4	3	—		
NU234ECML	M	HJ 234 EC	170	310	52	—	268.5	207	4	4	2.9	12	20	188	203	210	292.4	3	3		
NU2234ECML	—	HJ 2234 EC	170	310	86	—	269.9	205	4	4	4.2	12	24	187	201	208	292.4	3	3		
NJ2234ECML	—	HJ 2234 EC	170	310	86	220	269.9	205	4	4	4.2	12	24	187	201	226	292	3	—		
NU334ECM	—	—	170	360	72	—	300.45	218	4	4	4.6	—	—	187	213	221	341.6	3	3		
NJ2334ECML	—	—	170	360	120	234	300.2	216	4	4	10	—	—	186	211	238	341.6	3	—		
NU2334ECML	—	—	170	360	120	—	300.2	216	4	4	10	—	—	186	211	219	341.6	3	3		
NJ1036ML	M	—	180	280	46	215	246.1	205	2.1	2.1	6.1	—	—	190	202	218	270	2	—		
NU1036ML	M	HJ 1036	180	280	46	—	246.1	205	2.1	2.1	6.1	23	—	190	202	208	270	2	2		
NJ236ECML	M	HJ 236 EC	180	320	52	230	278.6	217	4	4	2.9	12	20	198	213	234	302.2	3	—		
NU236ECML	M	HJ 236 EC	180	320	52	—	278.6	217	4	4	2.9	12	20	198	213	220	302.2	3	3		
NJ2236ECML	M	HJ 2236 EC	180	320	86	229	280	215	4	4	4.2	12	24	197	211	233	302.2	3	—		
NU2236ECML	M	HJ 2236 EC	180	320	86	—	280	215	4	4	4.2	12	24	197	211	218	302.2	3	3		
NU336ECM	—	—	180	380	75	—	318.6	231	4	4	4.2	—	—	197	226	234	361.3	3	3		
NJ336ECM	—	—	180	380	75	250	318.6	231	4	4	4.2	—	—	197	226	254.5	361	3	—		
NU2336ECML	—	—	180	380	126	—	321.4	227	4	4	10.5	—	—	196	222	230	361.3	3	3		
NJ2336ECML	—	—	180	380	126	248	321.4	227	4	4	10.5	—	—	196	222	252	361	3	—		

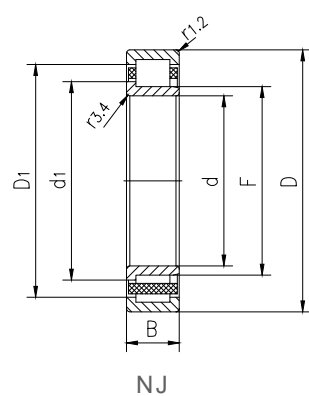


Type			Weight	Weight of corner ring	Basic load rating		Fatigue load limit	Rated speed reference speed	Maximum speed	Calculate the coefficient
Bearings with standard cage	Optional Standard Cage	Corner ring			Dynamic C	Static C ₀				
-			kg	kg	kN			r/min		-
NU230ECM	J,ML	HJ 230 EC	11.5	1.25	535.5	630	67.2	2730	2940	0.15
NJ230ECM	J,ML	HJ 230 EC	12	1.25	535.5	630	67.2	2730	2940	0.15
NU2230ECM	ML	HJ 2230 EC	18.5	1.35	771.75	976.5	105	2730	2940	0.2
NJ2230ECM	ML	HJ 2230 EC	19	1.35	771.75	976.5	105	2730	2940	0.2
NU330ECM	ML	HJ 330 EC	26.5	2.3	945	1013.25	105	2310	2730	0.15
NJ330ECML	M	HJ 330 EC	26.5	2.3	945	1013.25	105	2310	4200	0.23
NU2330ECML	—	—	42.5	—	1438.5	1711.5	178.5	2310	4200	0.38
NJ2330ECML	—	—	43	—	1438.5	1711.5	178.5	2310	4200	0.38
NU1032ML	M	HJ 1032	6	0.72	240.45	341.25	37.275	3150	5040	0.15
NU232ECM	ML	HJ 232 EC	14	1.5	614.25	714	75.6	2520	2730	0.15
NUP232ECM	—	—	15.5	—	614.25	714	75.6	2520	2730	0.15
NJ232ECML	M	HJ 232 EC	14.5	1.5	614.25	714	75.6	2520	4200	0.23
NU2232ECML	M	HJ 2232 EC	23	1.55	976.5	1260	135.45	2520	4200	0.3
NJ2232ECML	M	HJ 2232 EC	23.5	1.55	976.5	1260	135.45	2520	4200	0.3
NJ332ECML	M	HJ 332 EC	31	2.6	1050	1134	117.6	2100	3780	0.23
NU332ECML	M	HJ 332 EC	31	2.6	1050	1134	117.6	2100	3780	0.23
NU2332ECML	—	—	50	—	1312.5	1816.5	181.65	1890	3780	0.38
NJ2332ECML	—	—	50.5	—	1312.5	1816.5	181.65	1890	3780	0.38
NU1034ML	M	HJ 1034	8	0.93	288.75	420	43.575	2940	4515	0.15
NJ1034ML	M	HJ 1034	8.2	0.93	288.75	420	43.575	2940	4515	0.15
NJ234ECML	M	HJ 234 EC	17.5	1.65	729.75	855.75	89.25	2310	3990	0.23
NU234ECML	M	HJ 234 EC	17.5	1.65	729.75	855.75	89.25	2310	3990	0.23
NU2234ECML	—	HJ 2234 EC	28	1.8	1113	1407	147	2310	3990	0.3
NJ2234ECML	—	HJ 2234 EC	29	1.8	1113	1407	147	2310	3990	0.3
NU334ECM	—	—	33	—	999.6	1239	121.8	1785	2310	0.15
NJ2334ECML	—	—	60.5	—	1522.5	2142	214.2	1785	3570	0.38
NU2334ECML	—	—	60.5	—	1522.5	2142	214.2	1785	3570	0.38
NJ1036ML	M	—	10.5	—	352.8	498.75	53.55	2730	4200	0.15
NU1036ML	M	HJ 1036	10.5	12	352.8	498.75	53.55	2730	4200	0.15
NJ236ECML	M	HJ 236 EC	18.5	1.7	756	892.5	92.4	2310	3780	0.23
NU236ECML	M	HJ 236 EC	18.5	1.7	756	892.5	92.4	2310	3780	0.23
NJ2236ECML	M	HJ 2236 EC	30	1.9	1155	1501.5	153.3	2310	3780	0.3
NU2236ECML	M	HJ 2236 EC	30	1.9	1155	1501.5	153.3	2310	3780	0.3
NU336ECM	—	—	42.5	—	1071	1354.5	131.25	1680	2310	0.15
NJ336ECM	—	—	44	—	1071	1354.5	131.25	1680	2310	0.15
NU2336ECML	—	—	69.5	—	1690.5	2352	226.8	1680	3360	0.38
NJ2336ECML	—	—	70.5	—	1690.5	2352	226.8	1680	3360	0.38

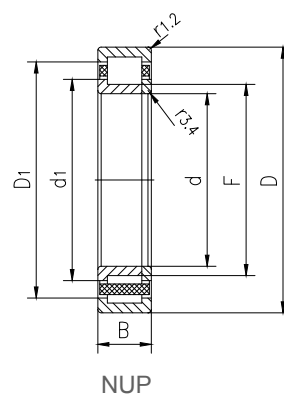
Single row cylindrical roller bearings



NU

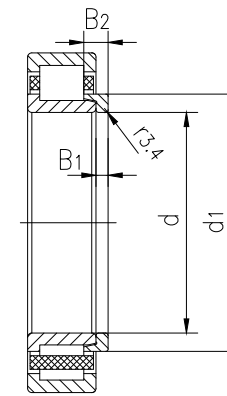
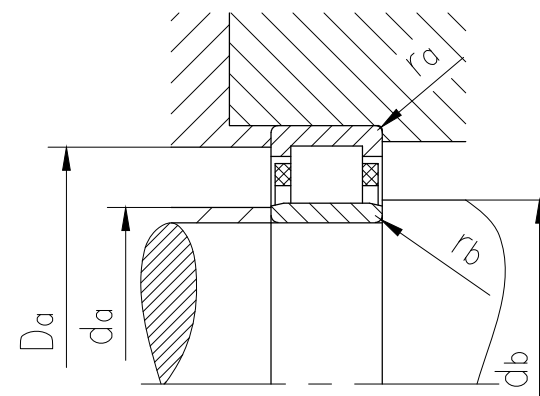


NJ



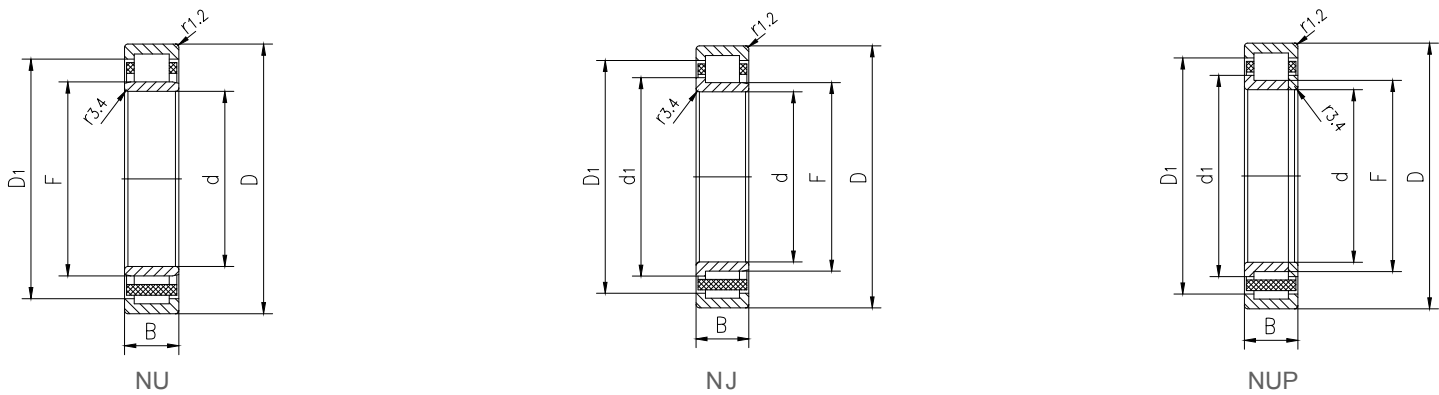
NUP

Type			Main dimensions			Dimensions								Shoulder and chamfer dimensions						
Bearings with standard cage	Optional Standard Cage	Corner ring	d	D	B	d ₁ ≈	D ₁ ≈	F、E	r _{1,2} min.	r _{3,4} min.	s max.	B ₁	B ₂	d _a min.	d _a max.	d _b 、D _a min.	D _a max.	r _a max.	r _b max.	
-			mm			mm								mm						
NJ1038ML	M	HJ 1038	190	290	46	225	256.1	215	2.1	2.1	6.1	12	23	200	212	231	280	2	—	
NU1038ML	M	HJ 1038	190	290	46	—	256.1	215	2.1	2.1	6.1	12	23	200	212	219	280	2	2	
NJ238ECML	M	HJ 238 EC	190	340	55	244	295	230	4	4	3	13	22	207	226	248	321.9	3	—	
NU238ECML	M	HJ 238 EC	190	340	55	—	295	230	4	4	3	13	22	207	226	233	321.9	3	3	
NUP238ECML	M	—	190	340	55	244	295	230	4	4	—	—	—	207	—	248	321.9	3	—	
NU2238ECML	M	—	190	340	92	—	296.4	228	4	4	5	—	—	207	224	231	321.9	3	3	
NJ2238ECML	M	—	190	340	92	243	296.4	228	4	4	5	—	—	207	224	247	322	3	—	
NU338ECM	—	HJ 338 EC	190	400	78	—	336.3	245	5	5	4.3	18	29	210	240	249	380	4	4	
NU2338ECML	—	—	190	400	132	—	342.75	240	5	5	9.5	—	—	209	234	244	380	4	4	
NJ2338ECML	—	—	190	400	132	262	342.75	240	5	5	9.5	—	—	209	234	266	378	4	—	
NU1040ML	M	HJ 1040	200	310	51	—	269	229	2.1	2.1	7	13	26	211	225	234	300	2	2	
NU240ECML	M	HJ 240	200	360	58	—	311.5	243	4	4	2.6	14	23	217	238	247	341.6	3	3	
NJ240ECML	M	HJ 240	200	360	58	258	311.5	243	4	4	2.6	14	23	217	238	262	341.6	3	—	
NJ2240ECML	—	—	200	360	98	256	312.9	241	4	4	5.1	—	—	217	236	260	342	3	—	
NU2240ECML	—	—	200	360	98	—	312.9	241	4	4	5.1	—	—	217	236	245	341.6	3	3	
NJ340ECML	—	—	200	420	80	278	352.4	258	5	5	6	—	—	220	253	282	400	4	—	
NU340ECML	—	—	200	420	80	—	352.4	258	5	5	6	—	—	220	253	262	399.8	4	4	
NU2340ECML	—	—	200	420	138	—	357.6	253	5	5	9.4	—	—	220	247	257	399.8	4	4	
NJ2340ECML	—	—	200	420	138	278	357.6	253	5	5	9.4	—	—	220	247	282	399.8	4	—	
NJ1044ML	M	HJ 1044	220	340	56	262	296.2	250	3	3	7.5	14	27	233	246	266	328	2.5	—	
NU1044ML	-	HJ 1044	220	340	56	—	296.2	250	3	3	7.5	14	27	233	246	254	328	2.5	2.5	
NJ244ECML	M	HJ 244 EC	220	400	65	284	343.7	268	4	4	2.3	15	25	238	263	288	383	3	—	
NU244ECML	M	HJ 244 EC	220	400	65	—	343.7	268	4	4	2.3	15	25	238	263	272	383	3	3	
NUP244ECML	M	—	220	400	65	284	343.7	268	4	4	—	—	—	238	—	288	383	3	—	
NU2244ECML	—	—	220	400	108	—	350	259	4	4	7.9	—	—	237	254	263	383	3	3	
NJ2244ECML	—	—	220	400	108	278	350	259	4	4	7.9	—	—	237	254	282	383	3	—	
NJ344M	—	—	220	460	88	307	371	284	5	5	5.2	—	—	240	277	311	440	4	—	
NU344M	—	—	220	460	88	—	371	284	5	5	5.2	—	—	240	277	288	440	4	4	
NU2344ECML	—	—	220	460	145	—	391	277	5	5	10.4	—	—	238	272	272	442	4	4	
NU1048ML	M	HJ 1048	240	360	56	—	316.2	270	3	3	7.5	14	27	252	266	274	348	2.5	2.5	
NU248MA	—	—	240	440	72	—	365	295	4	4	3.4	—	—	257	288	299	423	3	3	
NJ248MA	—	—	240	440	72	313	365	295	4	4	3.4	—	—	257	288	317	423	3	—	
NUP248MA	—	—	240	440	72	313	365	295	4	4	—	—	—	257	—	316	423	3	—	
NU2248MA	—	—	240	440	120	—	365	295	4	4	4.3	—	—	257	284	299	423	3	3	
NJ2248MA	—	—	240	440	120	313	365	295	4	4	4.3	—	—	257	284	317	423	3	—	
NU348MA	—	—	240	500	95	—	410	310	5	5	5	—	—	258	305	314	482	4	4	
NJ348MA	—	—	240	500	95	322	403	310	5	5	5.6	—	—	260	302	339	480	4	—	

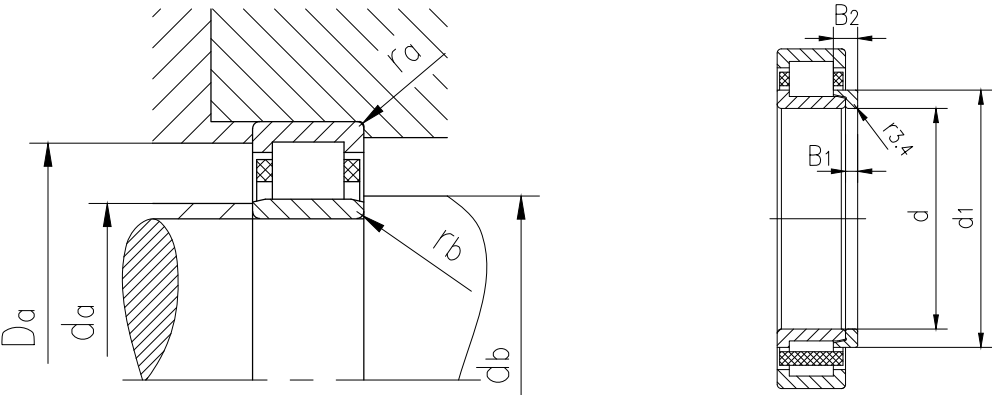


Type			Weight	Weight of corner ring	Basic load rating		Fatigue load limit	Rated speed reference speed	Maximum speed	Calculate the coefficient
Bearings with standard cage	Optional Standard Cage	Corner ring			Dynamic C	Static C ₀	P _u			k _r
-			kg	kg	kN			r/min		-
NJ1038ML	M	HJ 1038	11	1.35	364.35	525	55.65	1680	3990	0.15
NU1038ML	M	HJ 1038	11	1.35	364.35	525	55.65	1680	3990	0.15
NJ238ECML	M	HJ 238 EC	22	2.2	840	1013.25	102.9	2100	3570	0.23
NU238ECML	M	HJ 238 EC	22.5	2.2	840	1013.25	102.9	2100	3570	0.23
NUP238ECML	M	—	22.5	—	840	1013.25	102.9	2100	3570	0.23
NU2238ECML	M	—	35.5	—	1281	1680	168	2100	3570	0.3
NJ2238ECML	M	—	37	—	1281	1680	168	2100	3570	0.3
NJ338ECM	—	HJ 338 EC	50	4.3	1197	1575	150.15	1575	2100	0.15
NU2338ECML	—	—	80.5	—	1921.5	2677.5	247.8	1575	3150	0.38
NJ2338ECML	—	—	82	—	1921.5	2677.5	247.8	1575	3150	0.38
NU1040ML	M	HJ 1040	14	1.65	399	598.5	61.425	2520	3780	0.15
NU240ECML	M	HJ 240	26.5	2.55	924	1113	111.3	1995	3360	0.23
NJ240ECML	M	HJ 240	27	2.55	924	1113	111.3	1995	3360	0.23
NJ2240ECML	—	—	44	—	1438.5	1890	189	1995	3360	0.3
NU2240ECML	—	—	44	—	1438.5	1890	189	1995	3360	0.3
NJ340ECML	—	—	56.5	—	1291.5	1711.5	157.5	1470	2940	0.23
NJ340ECML	—	—	57	—	1291.5	1711.5	157.5	1470	2940	0.23
NU2340ECML	—	—	92.5	—	2079	2940	267.75	1470	2940	0.38
NJ2340ECML	—	—	94	—	2079	2940	267.75	1470	2940	0.38
NJ1044ML	M	HJ 1044	18.5	2.15	519.75	771.75	77.175	2310	3360	0.15
NU1044ML	-	HJ 1044	18.5	2.15	519.75	771.75	77.175	2310	3360	0.15
NJ244ECML	M	HJ 244 EC	37	3.25	1113	1354.5	131.25	1785	3150	0.23
NU244ECML	M	HJ 244 EC	37	3.25	1113	1354.5	131.25	1785	3150	0.23
NUP244ECML	M	—	37.5	—	1113	1354.5	131.25	1785	3150	0.23
NU2244ECML	—	—	58	—	1648.5	2394	222.6	1680	3150	0.3
NJ2244ECML	—	—	60	—	1648.5	2394	222.6	1680	3150	0.3
NJ344M	—	—	73.5	—	1270.5	1711.5	157.5	1575	1785	0.15
NU344M	—	—	75	—	1270.5	1711.5	157.5	1575	1785	0.15
NU2344ECML	—	—	118	—	2499	3622.5	325.5	1365	2730	0.1
NU1048ML	M	HJ 1048	19.5	2.25	549.15	840	81.9	2100	3150	0.15
NU248MA	—	—	51.5	—	999.6	1438.5	135.45	1680	2310	0.15
NJ248MA	—	—	53	—	999.6	1438.5	135.45	1680	2310	0.15
NUP248MA	—	—	53	—	999.6	1438.5	135.45	1680	2310	0.15
NU2248MA	—	—	84	—	1522.5	2478	226.8	1575	2310	0.2
NJ2248MA	—	—	86	—	1522.5	2478	235.2	1575	2310	0.2
NU348MA	—	—	94.5	—	1522.5	2100	189	1365	2100	0.1
NJ348MA	—	—	98.5	—	1522.5	2100	189	1365	2100	0.15

Single row cylindrical roller bearings



Type			Main dimensions			Dimensions								Shoulder and chamfer dimensions					
Bearings with standard cage	Optional Standard Cage	Corner ring	d	D	B	d ₁ ≈	D ₁ ≈	F, E	r _{1.2} min.	r _{3.4} min.	s max.	B ₁	B ₂	d _a min.	d _a max.	d _b , D _a min.	D _a max.	r _a max.	r _b max.
-			mm			mm								mm					
NU2348ECML	–	–	240	500	155	–	425	299	5	5	1.5	–	–	258	294	314	482	4	4
NU1052ML	M	HJ 1052	260	400	65	–	353.1	296	4	4	8	16	32	275	292	300	385	3	3
NJ1052ML	M	HJ 1052	260	400	65	309	353.1	296	4	4	8	16	32	275	292	313	385	3	–
NU252MA	–	–	260	480	80	–	397	320	5	5	3.4	–	–	280	313	324	460	4	4
NJ252MA	–	–	260	480	80	340	397	320	5	5	3.4	–	–	280	313	344	460	4	–
NUP252MA	–	–	260	480	80	340	397	320	5	5	–	–	–	280	–	344	460	4	–
NJ2252MA	–	–	260	480	130	340	397	320	5	5	4.3	–	–	280	309	344	460	4	–
NU2252MA	–	–	260	480	130	–	397	320	5	5	4.3	–	–	280	309	324	460	4	4
NU352ECMA	–	–	260	540	102	–	455	337	6	6	4.2	–	–	286	330	341	514	5	5
NJ2352ECMA	–	–	260	540	165	350	458	324	6	6	5	–	–	284	320	355	516	5	–
NU2352ECMA	–	–	260	540	165	–	463	324	6	6	1.8	–	–	286	310	323	514	5	5
NU1056ML	M	HJ 1056	280	420	65	–	373.1	316	4	4	8	16	32	295	312	321	405	3	3
NU3156ECMA	–	–	280	460	146	–	406	321	5	5	0.4	–	–	300	316	325	440	4	4
NJ256MA	–	–	280	500	80	360	417	340	5	5	3.8	–	–	300	333	364	480	4	–
NU256MA	–	–	280	500	80	–	417	340	5	5	3.8	–	–	300	333	344	480	4	4
NU2256ECML	–	–	280	500	130	–	433	333	5	5	4.5	–	–	298	328	331	482	4	4
NU2356MA	–	–	280	580	175	–	467	362	6	6	6.6	–	–	306	347	366	554	5	5
NJ1060MA	–	–	300	460	74	356	402	340	4	4	9.7	–	–	317	335	360	443	3	–
NU1060MA	–	–	300	460	74	–	402	340	4	4	9.7	–	–	317	335	344	443	3	3
NU2060ECMA	–	–	300	460	95	–	410	341	4	4	4.1	–	–	317	336	345	443	3	3
NU260M	–	–	300	540	85	–	451	364	5	5	4.8	–	–	320	358	368	520	4	4
NU2260MA	–	–	300	540	140	–	451	364	5	5	5.6	–	–	320	352	368	520	4	4
NU360ECM	–	–	300	620	109	–	505	385	7.5	7.5	4	–	–	328	380	368	592	6	6
NU2360ECMA	–	–	300	620	185	–	535	371	7.5	7.5	11	–	–	332	365	375	588	6	6
NU1964ECMA	–	–	320	440	56	–	404	348	3	3	1.5	–	–	333	347	355	427	2.5	2.5
NJ1064MA	–	–	320	480	74	376	422	360	4	4	9.7	–	–	335	355	380	465	3	–
NU1064MA	–	–	320	480	74	–	422	360	4	4	9.7	–	–	335	355	364	465	3	3
NU264ECM	–	–	320	580	92	–	494	392	5	5	4.8	–	–	338	386	394	562	4	4
NU2264ECML	–	–	320	580	150	–	506	380	5	5	5	–	–	338	376	394	562	4	4
NU2364ECMA	–	–	320	670	200	–	565	405	7.5	7.5	11	–	–	348	400	394	642	6	6
NU1968ECMA	–	–	340	460	56	–	421	370	3	3	1.8	–	–	353	365	374	447	2.5	2.5
NJ2968ECMA	–	–	340	460	72	377	421	367	3	3	3.8	–	–	353	363	381	447	2.5	–
NU3068MA	–	–	340	520	133	–	465	385	5	5	7	–	–	360	380	389	502	4	4
NU3168ECMA	–	–	340	580	190	–	507	390.5	5	5	14	–	–	360	388	403	560	4	4
NU2268MA	–	–	340	620	165	–	515	416	6	6	8	–	–	366	401	421	594	5	5
NU2368ECMA	–	–	340	710	212	–	602	425	7.5	7.5	11	–	–	368	420	389	682	6	6
NU1972ECMP	–	–	360	480	56	–	438	387.5	3	3	2	–	–	375	382	392	465	2.5	2.5



Type			Weight	Weight of corner ring	Basic load rating		Fatigue load limit	Rated speed reference speed	Maximum speed	Calculate the coefficient
Bearings with standard cage	Optional Standard Cage	Corner ring			Dynamic C	Static C ₀	P _u			k _r
-			kg	kg	kN			r/min		-
NU2348ECML	—	—	137	—	2887.5	4200	362.25	1260	2520	0.38
NU1052ML	M	HJ 1052	29.5	3.4	658.35	1013.25	101.325	1890	2940	0.15
NJ1052ML	M	HJ 1052	30	3.4	658.35	1013.25	101.325	1890	2940	0.15
NU252MA	—	—	68.5	—	1228.5	1785	157.5	1470	2100	0.15
NJ252MA	—	—	69	—	1228.5	1785	157.5	1470	2100	0.15
NUP252MA	—	—	72	—	1228.5	1785	157.5	1470	2100	0.23
NJ2252MA	—	—	112	—	1879.5	3150	278.25	1365	2100	0.3
NU2252MA	—	—	110	—	1879.5	3150	278.25	1470	2100	0.2
NU352ECMA	—	—	121	—	2037	2835	247.8	1155	1890	0.15
NJ2352ECMA	—	—	196	—	3297	4777.5	420	1155	1995	0.4
NU2352ECMA	—	—	193	—	3349.5	4777.5	420	1155	1890	0.25
NU1056ML	M	HJ 1056	31	3.6	693	1113	107.1	1785	2730	0.15
NU3156ECMA	—	—	101	—	2404.5	4095	945	1260	2100	0.21
NJ256MA	—	—	73	—	1197	1890	840	1470	1995	0.15
NU256MA	—	—	71.5	—	1249.5	1890	840	1470	1995	0.15
NU2256ECML	—	—	115	—	2446.5	3937.5	787.5	1260	2310	0.3
NU2356MA	—	—	230	—	2835	4515	315	1050	1785	0.25
NJ1060MA	—	—	46	—	900.9	1438.5	135.45	1575	2100	0.1
NU1060MA	—	—	46	—	900.9	1438.5	135.45	1575	2100	0.15
NU2060ECMA	—	—	62	—	1585.5	2730	257.25	1365	2100	0.14
NU260M	—	—	89.5	—	1491	2226	192.15	1365	1470	0.15
NU2260MA	—	—	145	—	2194.5	3622.5	315	1260	1890	0.2
NU360ECM	—	—	174	—	2446.5	3517.5	294	997.5	1260	0.1
NU2360ECMA	—	—	270	—	4221	6142.5	504	997.5	1680	0.27
NU1964ECMA	—	—	26	—	727.65	1260	115.5	1575	2100	0.11
NJ1064MA	—	—	48	—	924	1501.5	138.6	1470	1470	0.1
NU1064MA	—	—	48.5	—	924	1501.5	138.6	1470	1470	0.15
NU264ECM	—	—	115	—	1921.5	2887.5	243.6	1050	1260	0.13
NU2264ECML	—	—	176	—	3349.5	5250	435.75	1050	1995	0.1
NU2364ECMA	—	—	370	—	4966.5	7875	630	892.5	1575	0.15
NU1968ECMA	—	—	27.5	—	716.1	1260	113.4	1470	1995	0.07
NJ2968ECMA	—	—	37	—	1071	2142	195.3	1470	1995	0.07
NU3068MA	—	—	109	—	2310	4357.5	383.25	1155	1785	0.15
NU3168ECMA	—	—	217	—	3643.5	6142.5	514.5	997.5	1680	0.27
NU2268MA	—	—	226	—	2772	4725	383.25	1050	1575	0.3
NU2368ECMA	—	—	439	—	5890.5	9082.5	714	840	1470	0.15
NU1972ECMP	—	—	29	—	820.05	1533	135.45	1470	2100	0.1