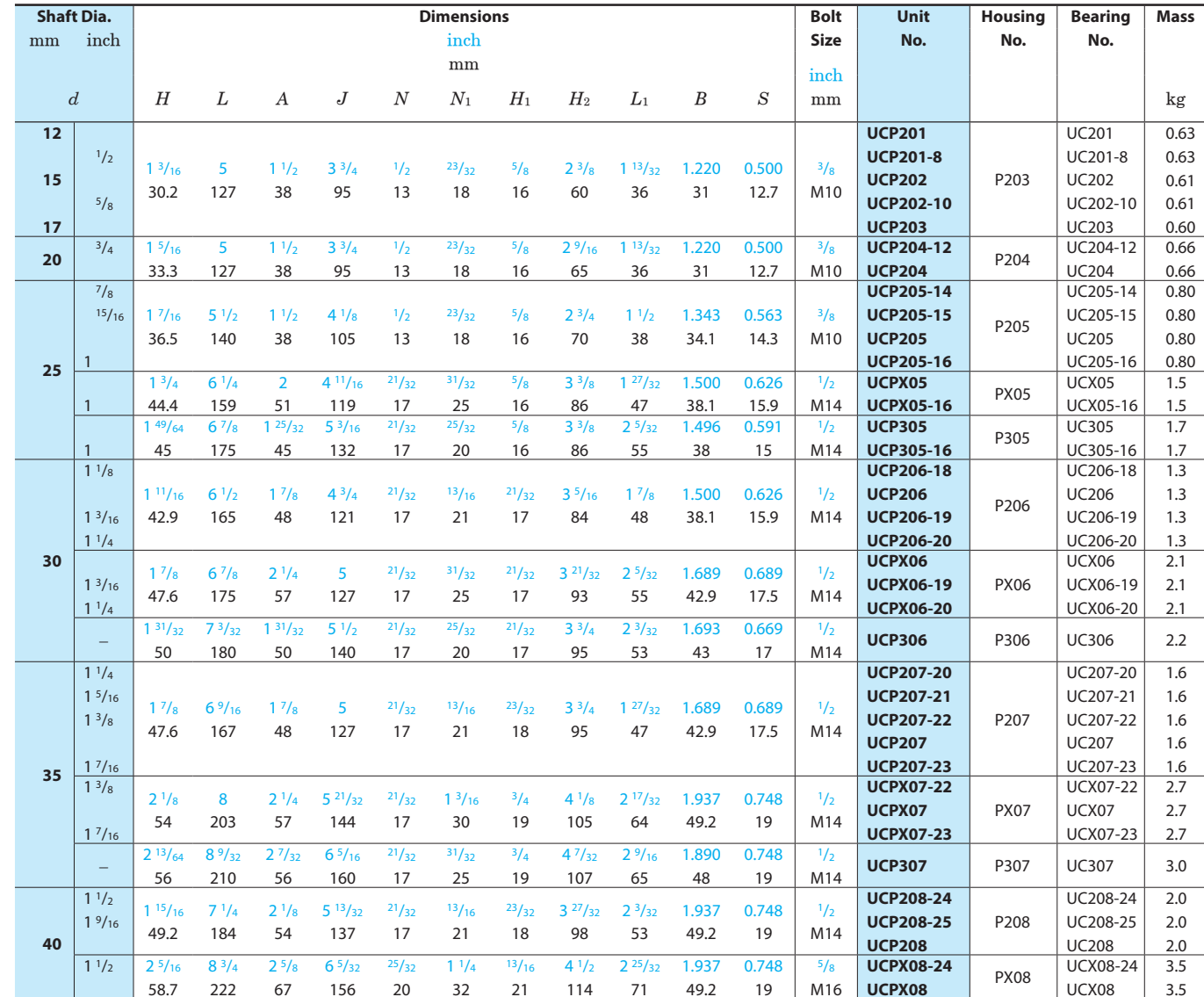


d 12 ~ (85) mm

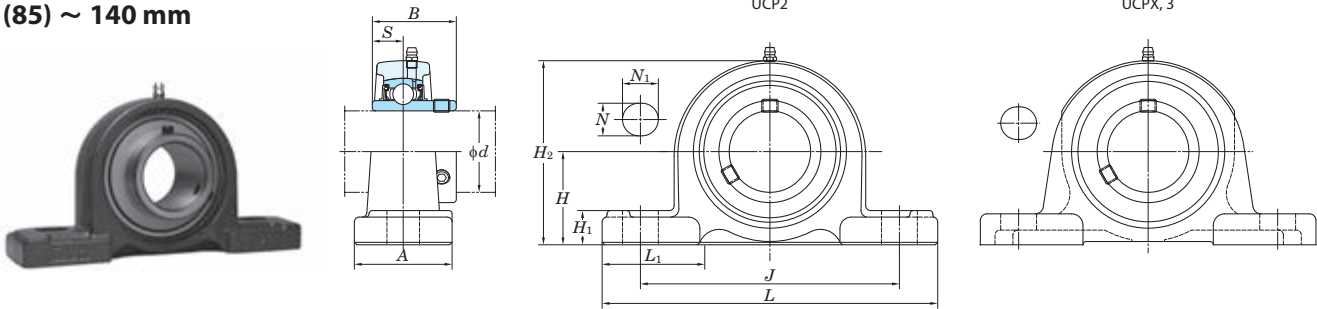


P204FJE3	$H_{1c} = 12$
	$H_{2c} = 70$
	$L_{1c} = 38.5$
P205FJE3	$H_{1c} = 13$
	$H_{2c} = 77$
	$L_{1c} = 43$

83

UCP

Cylindrical bore (with set screws)
d (85) ~ 140 mm



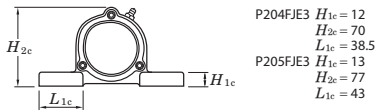
Shaft Dia. mm inch		Dimensions inch mm											Bolt Size inch mm	Unit No.	Housing No.	Bearing No.	Mass kg
d		H	L	A	J	N	N ₁	H ₁	H ₂	L ₁	B	S					
85	3 7/16	4	15	4 1/32	11 5/32	1 1/16	2 3/8	1 11/32	7 7/8	4 9/16	3.780	1.563	7/8	UCPX17	PX17	UCX17	16.1
	—	4 13/32	16 17/32	4 11/32	12 19/32	1 5/16	1 25/32	1 9/16	8 21/32	4 23/32	3.780	1.575	1	UCPX17-55		UCX17-55	16.1
90	3 1/2	4	12 7/8	3 15/32	10 5/16	1 1/16	1 25/32	1 5/16	7 25/32	3 11/16	3.780	1.563	7/8	UCP218-56	P218	UC218-56	13.9
	—	4	15	4 3/8	11 5/32	1 1/16	2 3/8	1 1/2	8 1/32	4 9/16	4.094	1.689	7/8	UCP218		UC218	13.9
	—	4	15	4 3/8	11 5/32	1 1/16	2 3/8	1 1/2	8 1/32	4 9/16	4.094	1.689	7/8	UCPX18	PX18	UCX18	19.1
	3 1/2	4 41/64	16 15/16	4 11/32	13	1 5/16	1 25/32	1 9/16	9 7/32	4 23/32	3.780	1.575	1	UCP318-56	P318	UC318-56	22.8
95	—	4 59/64	18 1/2	4 23/32	14 3/16	1 13/32	1 31/32	1 13/16	9 3/4	4 29/32	4.055	1.614	1 1/8	UCP318		UC318	22.8
	—	4 59/64	18 1/2	4 23/32	14 3/16	1 13/32	1 31/32	1 13/16	9 3/4	4 29/32	4.055	1.614	1 1/8	UCP319	P319	UC319	29.0
100	3 15/16	5	17	4 3/4	13 9/32	1 5/16	2 9/16	1 25/32	9 21/32	4 31/32	4.626	1.937	1	UCPX20	PX20	UCX20	30.4
	4	5	17	4 3/4	13 9/32	1 5/16	2 9/16	1 25/32	9 21/32	4 31/32	4.626	1.937	1	UCPX20-63		UCX20-63	30.4
	4	5 33/64	19 9/32	4 23/32	14 31/32	1 13/32	1 31/32	1 13/16	10 3/4	5 1/2	4.252	1.654	1 1/8	UCPX20-64		UCX20-64	30.4
105	—	5 33/64	19 9/32	4 23/32	14 31/32	1 13/32	1 31/32	1 13/16	10 15/16	5 1/2	4.409	1.732	1 1/8	UCP320	P320	UC320	35.1
	—	5 29/32	20 15/32	5 1/2	15 3/4	1 9/16	2 5/32	1 31/32	11 21/32	5 29/32	4.606	1.811	1 1/4	UCP320-63		UC320-63	35.1
110	—	5 29/32	20 15/32	5 1/2	15 3/4	1 9/16	2 5/32	1 31/32	11 21/32	5 29/32	4.606	1.811	1 1/4	UCP320-64		UC320-64	35.1
120	—	6 19/64	22 7/16	5 1/2	17 23/32	1 9/16	2 5/32	1 31/32	12 7/16	6 5/16	4.961	2.008	1 1/4	UCP321	P321	UC321	37.6
	—	6 19/64	22 7/16	5 1/2	17 23/32	1 9/16	2 5/32	1 31/32	12 7/16	6 5/16	4.961	2.008	1 1/4	UCP322	P322	UC322	44.0
130	—	7 3/32	23 5/8	5 1/2	18 29/32	1 9/16	2 5/32	1 31/32	13 31/32	7 11/16	5.315	2.126	1 1/4	UCP324	P324	UC324	55.4
	—	7 3/32	23 5/8	5 1/2	18 29/32	1 9/16	2 5/32	1 31/32	13 31/32	7 11/16	5.315	2.126	1 1/4	UCP326	P326	UC326	72.1
140	—	7 7/8	24 13/32	5 1/2	19 11/16	1 9/16	2 5/32	2 3/8	15 15/32	7 9/32	5.709	2.323	1 1/4	UCP328	P328	UC328	92.5
	—	7 7/8	24 13/32	5 1/2	19 11/16	1 9/16	2 5/32	2 3/8	15 15/32	7 9/32	5.709	2.323	1 1/4				

- Remarks
- In Part No. of unit and units with covers, fitting codes follow bore diameter numbers. (See **Table 10.5** in P.62.)
 - Part No. of applicable grease fittings are shown below.
A-1/4-28UNF..... 201~210, X05~X09, 305~308
A-R1/8..... 211~218, X10~X20, 309~328
 - As for the triple seal type product (from 201 to 205 are the double seal type products), suffix code L3 (or L2) follows the Part No. of unit or bearing. (Example of Part No. : UCP206JL3, UC206L3)
 - For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.
 - Representative examples of the forms of housing are indicated.
 - Housings of nodular graphite cast iron are also available.

Variations of tolerance of distance from mounting bottom to center of spherical bore (ΔH_s)

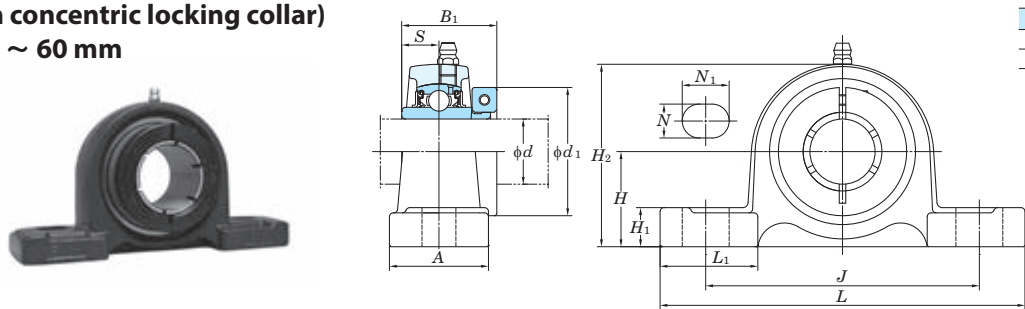
Housing No.			Unit: mm
P203~P210	PX05~PX10	P305~P310	ΔH_s
P211~P218	PX11~PX18	P311~P318	± 0.15
	PX20	P319~P328	± 0.2
			± 0.3

Forms and dimensions of P204FJE3 and P205FJE3 (housing with cast iron cover) are shown below.



NCP

Cylindrical bore
(with concentric locking collar)
d 20 ~ 60 mm



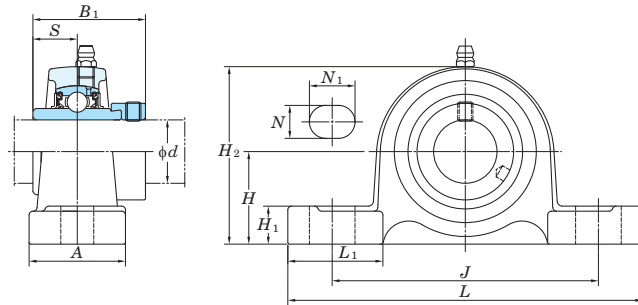
Variations of tolerance of distance from mounting bottom to center of spherical bore (ΔH_s)

Housing No.	Unit: mm
P204~P210	± 0.15
P211~P212	± 0.2

Shaft Dia. mm inch		Dimensions inch mm													Bolt Size inch mm	Unit No.	Housing No.	Bearing No.	Mass kg
<i>d</i>		<i>H</i>	<i>L</i>	<i>A</i>	<i>J</i>	<i>N</i>	<i>N</i> ₁	<i>H</i> ₁	<i>H</i> ₂	<i>L</i> ₁	<i>B</i> ₁	<i>S</i>	<i>d</i> ₁						
20	3/4	1 5/16	5	1 1/2	3 3/4	1/2	23/32	5/8	2 9/16	1 13/32	1 9/32	0.500	1 3/4	3/8	NCP204-12	P204	NC204-12 NC204	0.8	
		33.3	127	38	95	13	18	16	65	36	32.5	12.7	44.5	M10	NCP204				
25	7/8	1 7/16	5 1/2	1 1/2	4 1/8	1/2	23/32	5/8	2 3/4	1 1/2	1 7/16	0.563	1 15/16	3/8	NCP205-14	P205	NC205-14 NC205-15 NC205	1.0	
	15/16	36.5	140	38	105	13	18	16	70	38	36.5	14.3	49.2	M10	NCP205-15 NCP205				
	1																		NCP205-16
30	1 1/8	1 11/16	6 1/2	1 7/8	4 3/4	21/32	13/16	23/32	3 5/16	1 7/8	1 19/32	0.626	2 3/16	1/2	NCP206-18	P206	NC206-18 NC206 NC206-19 NC206-20	1.5	
	1 3/16	42.9	165	48	121	17	21	17	84	48	40.1	15.9	55.6	M14	NCP206				
	1 1/4																		NCP206-19 NCP206-20
35	1 1/4	1 7/8	6 9/16	1 7/8	5	21/32	13/16	23/32	3 3/4	1 27/32	1 3/4	0.689	2 7/16	1/2	NCP207-20	P207	NC207-20	1.9	
		47.6	167	48	127	17	21	18	95	47	44.5	17.5	61.9	M14					
	1 3/8	1 7/8	6 9/16	1 7/8	5	21/32	13/16	23/32	3 3/4	1 27/32	1 3/4	0.689	2 9/16	1/2	NCP207-22				
40	1 7/16	47.6	167	48	127	17	21	18	95	47	44.5	17.5	65.1	M14	NCP207	P207	NC207-22 NC207 NC207-23	1.9	
															NCP207-23				
	1 7/16																		
45	1 1/2	1 15/16	7 1/4	2 1/8	5 13/32	21/32	13/16	23/32	3 27/32	2 3/32	2	0.748	2 11/16	1/2	NCP208-24	P208	NC208-24 NC208	2.4	
		49.2	184	54	137	17	21	18	98	53	50.8	19	68.3	M14	NCP208				
45	1 5/8	2 1/8	7 15/32	2 1/8	5 3/4	21/32	13/16	25/32	4 3/16	2 5/32	2	0.748	2 13/16	1/2	NCP209-26	P209	NC209-26	2.6	
		54	190	54	146	17	21	20	106	55	50.8	19	71.4	M14					
	1 11/16	2 1/8	7 15/32	2 1/8	5 3/4	21/32	13/16	25/32	4 3/16	2 5/32	2	0.748	2 15/16	1/2	NCP209-27				
50	1 3/4	54	190	54	146	17	21	20	106	55	50.8	19	74.6	M14	NCP209-28	P209	NC209-28 NC209	2.6	
															NCP209				
	1 3/4																		
55	1 15/16	2 1/4	8 1/8	2 3/8	6 1/4	25/32	7/8	13/16	4 7/16	2 3/8	2 3/32	0.748	3 3/8	5/8	NCP210-31	P210	NC210-31 NC210 NC210-32	3.5	
	2	57.2	206	60	159	20	22	21	113	60	53.1	19	85.7	M16	NCP210				
55															NCP210-32	P211	NC211-32	4.0	
	2	2 1/2	8 5/8	2 3/8	6 23/32	25/32	7/8	29/32	4 29/32	2 9/16	2 1/4	0.874	3 1/2	5/8	NCP211-32				
		63.5	219	60	171	20	22	23	125	65	57.1	22.2	88.9	M16					
60	2 3/16	2 1/2	8 5/8	2 3/8	6 23/32	25/32	7/8	29/32	4 29/32	2 9/16	2 1/4	0.874	3 5/8	5/8	NCP211	P211	NC211 NC211-35	4.0	
		63.5	219	60	171	20	22	23	125	65	57.1	22.2	92.1	M16	NCP211-35				
	2 1/4	2 3/4	9 1/2	2 3/4	7 1/4	25/32	31/32	31/32	5 7/16	2 7/8	2 5/8	1.000	4 1/16	5/8	NCP212-36				
60		69.8	241	70	184	20	25	25	138	73	66.8	25.4	103.2	M16		P212	NC212-36	5.6	
	2 3/4	2 3/4	9 1/2	2 3/4	7 1/4	25/32	31/32	31/32	5 7/16	2 7/8	2 5/8	1.000	4 1/8	5/8	NCP212				
	2 7/16	69.8	241	70	184	20	25	25	138	73	66.8	25.4	104.8	M16	NCP212-39	P212	NC212-39	5.6	

- Remarks
- In Part No. of unit, fitting codes follow bore diameter codes. (See **Table 10.5** in P.62.)
 - Part No. of applicable grease fittings are shown below.
A-1/4-28UNF..... 204~210
A-R1/8..... 211~212
 - For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.
 - Representative examples of the forms of housing are indicated.

NAP
Cylindrical bore
(with eccentric locking collar)
 d 12 ~ 75 mm



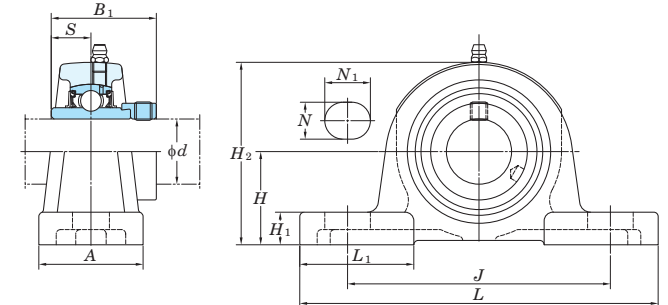
Variations of tolerance of distance from mounting bottom to center of spherical bore (ΔH_s)

Housing No.	ΔH_s
P203~P210	± 0.15
P211~P215	± 0.2

Shaft Dia.		Dimensions											Bolt Size	Unit No.	Housing No.	Bearing No.	Mass			
mm	inch	inch mm											inch mm							
<i>d</i>		<i>H</i>	<i>L</i>	<i>A</i>	<i>J</i>	<i>N</i>	<i>N</i> ₁	<i>H</i> ₁	<i>H</i> ₂	<i>L</i> ₁	<i>B</i> ₁	<i>S</i>				kg				
12	1/2 5/8												3/8 M10	NAP201 NAP201-8 NAP202 NAP202-10 NAP203	P203	NA201	0.71			
15		1 3/16 30.2	5 127	1 1/2 38	3 3/4 95	1/2 13	2 3/32 18	5/8 16	2 3/8 60	1 13/32 36	1.720 43.7	0.673 17.1				NA201-8 NA202 NA202-10	0.69			
17		1 5/16 33.3	5 127	1 1/2 38	3 3/4 95	1/2 13	2 3/32 18	5/8 16	2 9/16 65	1 13/32 36	1.720 43.7	0.673 17.1				NA203	0.66			
20	3/4	1 5/16 33.3	5 127	1 1/2 38	3 3/4 95	1/2 13	2 3/32 18	5/8 16	2 9/16 65	1 13/32 36	1.720 43.7	0.673 17.1	3/8 M10			NAP204-12 NAP204	P204	NA204-12 NA204	0.73	
25	7/8 15/16	1 7/16 36.5	5 1/2 140	1 1/2 38	4 1/8 105	1/2 13	2 3/32 18	5/8 16	2 3/4 70	1 1/2 38	1.748 44.4	0.689 17.5	3/8 M10	NAP205-14 NAP205-15 NAP205 NAP205-16	P205	NA205-14 NA205-15 NA205 NA205-16	0.87			
	1	1 7/16 36.5	5 1/2 140	1 1/2 38	4 1/8 105	1/2 13	2 3/32 18	5/8 16	2 3/4 70	1 1/2 38	1.748 44.4	0.689 17.5								
30	1 1/8	1 11/16 42.9	6 1/2 165	1 7/8 48	4 3/4 121	2 1/32 17	1 3/16 21	2 1/32 17	3 5/16 84	1 7/8 48	1.906 48.4	0.720 18.3	1/2 M14			NAP206-18 NAP206 NAP206-19 NAP206-20		P206	NA206-18 NA206 NA206-19 NA206-20	1.4
	1 3/16	1 11/16 42.9	6 1/2 165	1 7/8 48	4 3/4 121	2 1/32 17	1 3/16 21	2 1/32 17	3 5/16 84	1 7/8 48	1.906 48.4	0.720 18.3								
	1 1/4	1 11/16 42.9	6 1/2 165	1 7/8 48	4 3/4 121	2 1/32 17	1 3/16 21	2 1/32 17	3 5/16 84	1 7/8 48	1.906 48.4	0.720 18.3								
35	1 1/4 1 5/16 1 3/8	1 7/8 47.6	6 9/16 167	1 7/8 48	5 127	2 1/32 17	1 3/16 21	2 3/32 18	3 3/4 95	1 27/32 47	2.012 51.1	0.740 18.8		1/2 M14	NAP207-20 NAP207-21 NAP207-22 NAP207 NAP207-23		P207		NA207-20 NA207-21 NA207-22 NA207 NA207-23	
	1 7/16	1 7/8 47.6	6 9/16 167	1 7/8 48	5 127	2 1/32 17	1 3/16 21	2 3/32 18	3 3/4 95	1 27/32 47	2.012 51.1	0.740 18.8								
	1 1/2	1 7/8 47.6	6 9/16 167	1 7/8 48	5 127	2 1/32 17	1 3/16 21	2 3/32 18	3 3/4 95	1 27/32 47	2.012 51.1	0.740 18.8								
40	1 1/2 1 9/16	1 15/16 49.2	7 1/4 184	2 1/8 54	5 13/32 137	2 1/32 17	1 3/16 21	2 3/32 18	3 27/32 98	2 3/32 53	2.217 56.3	0.843 21.4	1/2 M14			NAP208-24 NAP208-25 NAP208		P208	NA208-24 NA208-25 NA208	2.1
45	1 5/8 1 11/16 1 3/4	2 1/8 54	7 15/32 190	2 1/8 54	5 3/4 146	2 1/32 17	1 3/16 21	2 5/32 20	4 3/16 106	2 5/32 55	2.217 56.3	0.843 21.4	1/2 M14	NAP209-26 NAP209-27 NAP209-28 NAP209	P209	NA209-26 NA209-27 NA209-28 NA209	2.4			
	1 5/8 1 11/16 1 3/4	2 1/8 54	7 15/32 190	2 1/8 54	5 3/4 146	2 1/32 17	1 3/16 21	2 5/32 20	4 3/16 106	2 5/32 55	2.217 56.3	0.843 21.4								
	1 5/8 1 11/16 1 3/4	2 1/8 54	7 15/32 190	2 1/8 54	5 3/4 146	2 1/32 17	1 3/16 21	2 5/32 20	4 3/16 106	2 5/32 55	2.217 56.3	0.843 21.4								
50	1 7/8 1 15/16 2	2 1/4 57.2	8 1/8 206	2 3/8 60	6 1/4 159	2 5/32 20	7/8 22	1 3/16 21	4 7/16 113	2 3/8 60	2.469 62.7	0.969 24.6				5/8 M16		NAP210-30 NAP210-31 NAP210 NAP210-32	P210	NA210-30 NA210-31 NA210 NA210-32
	1 15/16	2 1/4 57.2	8 1/8 206	2 3/8 60	6 1/4 159	2 5/32 20	7/8 22	1 3/16 21	4 7/16 113	2 3/8 60	2.469 62.7	0.969 24.6								
	2	2 1/4 57.2	8 1/8 206	2 3/8 60	6 1/4 159	2 5/32 20	7/8 22	1 3/16 21	4 7/16 113	2 3/8 60	2.469 62.7	0.969 24.6								
55	2 2 1/8 2 3/16	2 1/2 63.5	8 5/8 219	2 3/8 60	6 23/32 171	2 5/32 20	7/8 22	2 9/32 23	4 29/32 125	2 9/16 65	2.811 71.4	1.094 27.8	5/8 M16	NAP211-32 NAP211-34 NAP211 NAP211-35	P211		NA211-32 NA211-34 NA211 NA211-35			3.9
	2 1/8	2 1/2 63.5	8 5/8 219	2 3/8 60	6 23/32 171	2 5/32 20	7/8 22	2 9/32 23	4 29/32 125	2 9/16 65	2.811 71.4	1.094 27.8								
	2 3/16	2 1/2 63.5	8 5/8 219	2 3/8 60	6 23/32 171	2 5/32 20	7/8 22	2 9/32 23	4 29/32 125	2 9/16 65	2.811 71.4	1.094 27.8								
60	2 1/4 2 3/8 2 7/16	2 3/4 69.8	9 1/2 241	2 3/4 70	7 1/4 184	2 5/32 20	3 1/32 25	3 1/32 25	5 7/16 138	2 7/8 73	3.063 77.8	1.220 31				5/8 M16	NAP212-36 NAP212 NAP212-38 NAP212-39	P212	NA212-36 NA212 NA212-38 NA212-39	
	2 3/4	2 3/4 69.8	9 1/2 241	2 3/4 70	7 1/4 184	2 5/32 20	3 1/32 25	3 1/32 25	5 7/16 138	2 7/8 73	3.063 77.8	1.220 31								
	2 3/8	2 3/4 69.8	9 1/2 241	2 3/4 70	7 1/4 184	2 5/32 20	3 1/32 25	3 1/32 25	5 7/16 138	2 7/8 73	3.063 77.8	1.220 31								
65	2 1/2	3 76.2	10 7/16 265	2 3/4 70	8 203	3 1/32 25	1 3/16 30	1 1/16 27	5 29/32 150	3 1/16 78	3.374 85.7	1.343 34.1	3/4 M20	NAP213-40 NAP213	P213				NA213-40 NA213	6.5
70	2 3/4	3 1/8 79.4	10 15/32 266	2 27/32 72	8 9/32 210	3 1/32 25	1 3/16 30	1 1/16 27	6 3/16 157	2 15/16 75	3.374 85.7	1.343 34.1	3/4 M20	NAP214-44 NAP214	P214	NA214-44 NA214	7.7			
	2 15/16	3 1/4 82.6	10 13/16 275	2 29/32 74	8 17/32 217	3 1/32 25	1 3/16 30	1 1/8 28	6 3/8 162	3 1/16 78	3.626 92.1	1.469 37.3	3/4 M20	NAP215-47 NAP215	P215	NA215-47 NA215	7.9			

Remarks	1. In Part No. of unit, fitting codes follow bore diameter numbers. (See Table 10.5 in P.62.) 2. Part No. of applicable grease fittings are shown below. A-1/4-28UNF..... 201~210 A-R1/8..... 211~215 3. As for the triple seal type product (from 201 to 205 are the double seal type products), suffix code L3 (or L2) follows the Part No. of unit or bearing. (Example of Part No.: NAP206L3, NA206L3) 4. For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit. 5. Representative examples of the forms of housing are indicated. 6. Housings of nodular graphite cast iron are also available.
---------	--

NAP-E
Cylindrical bore
(with eccentric locking collar)
 $d \ 1 \frac{3}{16} \sim 2 \frac{15}{16}$ inch



Variations of tolerance of distance from mounting bottom to center of spherical bore (ΔH_s)

Housing No.	ΔH_s
P306E~P310E	± 0.15
P311E~P315E	± 0.2

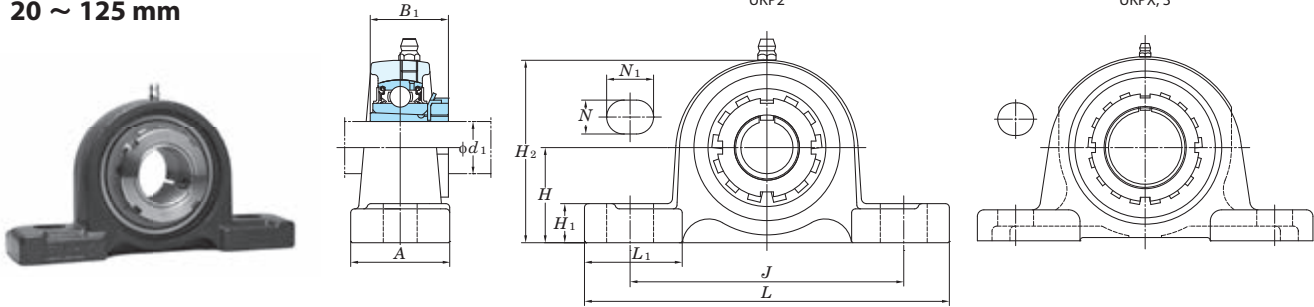
Shaft Dia. inch	Dimensions												Bolt Size inch mm	Unit No.	Housing No.	Bearing No.	Mass kg
	<i>H</i>	<i>L</i>	<i>A</i>	<i>J</i>	<i>N</i>	<i>N</i> ₁	<i>H</i> ₁	<i>H</i> ₂	<i>L</i> ₁	<i>B</i> ₁	<i>S</i>						
1 3/16	1 7/8	7 3/32	1 31/32	5 1/2	2 1/32	2 5/32	9/16	3 21/32	2 3/32	1.988	0.689	1/2	NAP306-19E	P306E	NA306-19	2.3	
	47.6	180	50	140	17	20	14.6	92.6	53	50.5	17.5	M14					
1 7/16	2 1/8	8 9/32	2 7/32	6 5/16	2 1/32	3 1/32	2 1/32	4 1/8	2 9/16	2.051	0.720	1/2	NAP307-23E	P307E	NA307-23	3.1	
	54	210	56	160	17	25	17	105	65	52.1	18.3	M14					
1 1/2	2 3/8	8 21/32	2 3/8	6 11/16	2 1/32	1 1/16	3/4	4 21/32	2 9/16	2.268	0.772	1/2	NAP308-24E	P308E	NA308-24	4.1	
	60.3	220	60	170	17	27	19.3	118.3	65	57.6	19.6	M14					
1 11/16	2 5/8	9 21/32	2 5/8	7 15/32	2 5/32	1 3/16	13/16	5 3/16	2 15/16	2.311	0.780	5/8	NAP309-27E	P309E	NA309-27	5.1	
	66.7	245	67	190	20	30	20.7	131.7	75	58.7	19.8	M16					
1 15/16	2 13/16	10 13/16	2 15/16	8 11/32	2 5/32	1 3/8	13/16	5 19/32	3 15/32	2.622	0.969	5/8	NAP310-31E	P310E	NA310-31	7	
	71.4	275	75	212	20	35	20.4	142.4	88	66.6	24.6	M16					
2 3/16	3 1/16	12 7/32	3 5/32	9 9/32	2 5/32	1 1/2	3 1/32	6 1/8	3 17/32	2.874	1.094	5/8	NAP311-35E	P311E	NA311-35	8.5	
	77.8	310	80	236	20	38	24.8	155.3	90	73	27.8	M16					
2 7/16	3 5/16	13	3 11/32	9 27/32	3 1/32	1 1/2	1 3/32	6 17/32	4 1/16	3.122	1.220	3/4	NAP312-39E	P312E	NA312-39	10.1	
	84.1	330	85	250	25	38	28.1	166.1	103	79.3	31	M20					
2 11/16	3 13/16	14 3/16	3 17/32	11 1/32	1 1/16	1 9/16	1 7/16	7 13/32	4 11/32	3.626	1.343	7/8	NAP314-43E	P314E	NA314-43	13.8	
	96.8	360	90	280	27	40	36.8	187.8	110	92.1	34.1	M22					
2 15/16	4 1/8	14 31/32	3 15/16	11 13/32	1 1/16	1 23/32	1 9/16	7 31/32	4 7/32	3.937	1.469	7/8	NAP315-47E	P315E	NA315-47	16.8	
	104.8	380	100	290	27	44	39.8	202.8	107	100	37.3	M22					

Remarks	1. In Part No. of unit, fitting codes follow bore diameter numbers. (See Table 10.5 in P.62.) 2. Part No. of applicable grease fittings are shown below. A-1/4-28UNF..... 306~308 A-R1/8 309~315 3. As for the triple seal type product (from 201 to 205 are the double seal type products), suffix code L3 (or L2) follows the Part No. of unit or bearing. (Example of Part No. : NAP306JEL3, NA306L3) 4. For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit. 5. Representative examples of the forms of housing are indicated. 6. Housings of nodular graphite cast iron are also available.
---------	--

UKP

Tapered bore (with adapter)

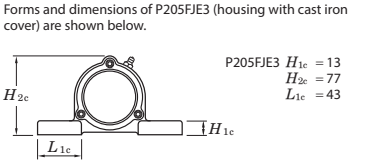
d₁ 20 ~ 125 mm



Shaft Dia. mm inch		Dimensions inch mm											Bolt Size inch mm	Unit No.	Housing No.	Bearing No.	Adapter No.	Mass kg
d ₁		H	L	A	J	N	N ₁	H ₁	H ₂	L ₁	B ₁							
20	3/4	1 7/16 36.5	5 1/2 140	1 1/2 38	4 1/8 105	1/2 13	23/32 18	5/8 16	2 3/4 70	1 1/2 38	1 3/8 35	3/8 M10	UKP205	P205	UK205	HE2305X H2305X	0.84 0.84	
	3/4	1 3/4 44.4	6 1/4 159	2 51	4 11/16 119	21/32 17	31/32 25	5/8 16	3 3/8 86	1 27/32 47	1 3/8 35	1/2 M14	UKPX05	PX05	UKX05	HE2305X H2305X	1.5 1.5	
	3/4	1 49/64 45	6 7/8 175	1 25/32 45	5 3/16 132	21/32 17	25/32 20	5/8 16	3 3/8 86	2 5/32 55	1 3/8 35	1/2 M14	UKP305	P305	UK305	HE2305X H2305X	1.7 1.7	
25	1	1 11/16 42.9	6 1/2 165	1 7/8 48	4 3/4 121	21/32 17	13/16 21	21/32 17	3 5/16 84	1 7/8 48	1 1/2 38	1/2 M14	UKP206	P206	UK206	H2306X HE2306X	1.4 1.4	
	1	1 7/8 47.6	6 7/8 175	2 1/4 57	5 127	21/32 17	31/32 25	21/32 17	3 21/32 93	2 5/32 55	1 1/2 38	1/2 M14	UKPX06	PX06	UKX06	H2306X HE2306X	2.1 2.1	
	1	1 31/32 50	7 3/32 180	1 31/32 50	5 1/2 140	21/32 17	25/32 20	21/32 17	3 3/4 95	2 3/32 53	1 1/2 38	1/2 M14	UKP306	P306	UK306	H2306X HE2306X	2.3 2.3	
30	1 1/8	1 7/8 47.6	6 9/16 167	1 7/8 48	5 127	21/32 17	13/16 21	23/32 18	3 3/4 95	1 27/32 47	1 11/16 43	1/2 M14	UKP207	P207	UK207	HS2307X H2307X	1.7 1.7	
	1 1/8	2 1/8 54	8 203	1 1/4 57	5 21/32 144	21/32 17	1 3/16 30	3/4 19	4 1/8 105	1 17/32 64	1 11/16 43	1/2 M14	UKPX07	PX07	UKX07	HS2307X H2307X	2.7 2.7	
	1 1/8	2 13/64 56	8 9/32 210	2 7/32 56	6 5/16 160	21/32 17	31/32 25	3/4 19	4 7/32 107	2 9/16 65	1 11/16 43	1/2 M14	UKP307	P307	UK307	HS2307X H2307X	3.0 3.0	
35	1 1/4 1 3/8	1 15/16 49.2	7 1/4 184	2 1/8 54	5 13/32 137	21/32 17	13/16 21	23/32 18	3 27/32 98	2 3/32 53	1 13/16 46	1/2 M14	UKP208	P208	UK208	HE2308X HS2308X H2308X	2.0 2.0 2.0	
	1 1/4 1 3/8	2 5/16 58.7	8 3/4 222	2 5/8 67	6 5/32 156	25/32 20	1 1/4 32	13/16 21	4 1/2 114	2 25/32 71	1 13/16 46	5/8 M16	UKPX08	PX08	UKX08	HE2308X HS2308X H2308X	3.5 3.5 3.5	
	1 1/4 1 3/8	2 23/64 60	8 21/32 220	2 3/8 60	6 11/16 170	21/32 17	1 1/16 27	3/4 19	4 21/32 118	2 9/16 65	1 13/16 46	1/2 M14	UKP308	P308	UK308	HE2308X HS2308X H2308X	3.8 3.8 3.8	
40	1 1/2	2 1/8 54	7 15/32 190	2 1/8 54	5 3/4 146	21/32 17	13/16 21	25/32 20	4 3/16 106	2 5/32 55	1 31/32 50	1/2 M14	UKP209	P209	UK209	HE2309X H2309X	2.3 2.3	
	1 1/2	2 5/16 58.7	8 3/4 222	2 5/8 67	6 5/32 156	25/32 20	1 5/16 33	13/16 21	4 9/16 116	2 25/32 71	1 31/32 50	5/8 M16	UKPX09	PX09	UKX09	HE2309X H2309X	3.7 3.7	
	1 1/2	2 41/64 67	9 21/32 245	2 5/8 67	7 15/32 190	25/32 20	1 3/16 20	13/16 21	5 3/16 132	2 15/16 75	1 31/32 50	5/8 M16	UKP309	P309	UK309	HE2309X H2309X	5.0 5.0	
45	1 3/4	2 1/4 57.2	8 1/8 206	2 3/8 60	6 1/4 159	25/32 20	7/8 22	13/16 21	4 7/16 113	2 3/8 60	2 5/32 55	5/8 M16	UKP210	P210	UK210	HE2310X H2310X	3.0 3.0	
	1 3/4	2 1/2 63.5	9 1/2 241	2 7/8 73	6 23/32 171	25/32 20	1 13/32 36	7/8 22	4 31/32 126	3 76	2 5/32 55	5/8 M16	UKPX10	PX10	UKX10	HE2310X H2310X	4.6 4.6	
	1 3/4	2 61/64 75	10 13/16 275	2 15/16 75	8 11/32 212	25/32 20	1 3/8 35	15/16 24	5 3/4 146	3 15/32 88	2 5/32 55	5/8 M16	UKP310	P310	UK310	HE2310X H2310X	6.7 6.7	

- Remarks
- In Part No. of unit and units with covers, fitting codes follow bore diameter numbers.
(See **Table 10.5** in P62.)
 - Part No. of applicable grease fittings are shown below.
A-1/4-28UNF..... 205~210, X05~X09, 305~308
A-R1/8..... 211~218, X10~X20, 309~328
 - In Part No. of unit with adapters and bearing with adapters, Part No. of applicable adapter follow the Part No. shown in the dimensional tables. (Example of Part No. : UKP206J + H2306X, UK206 + H2306X)
 - As for the triple seal type product (205 is the double seal type product), suffix code L3 (or L2) follows the Part No. of unit or bearing.
 - For the dimensions and forms of applicable bearings and adapters, see the dimensional tables of ball bearing for unit and adapter.
 - Representative examples of the forms of housing are indicated.
 - Housings of nodular graphite cast iron are also available.

Unit: mm			
Housing No.			
ΔH _{fe}			
P205~P210	PX05~PX10	P305~P310	±0.15
P211~P218	PX11~PX18	P311~P318	±0.2
	PX20	P319~P328	±0.3



Shaft Dia. mm inch		Dimensions inch mm											Bolt Size inch mm	Unit No.	Housing No.	Bearing No.	Adapter No.	Mass kg
d ₁		H	L	A	J	N	N ₁	H ₁	H ₂	L ₁	B ₁							
50	1 7/8	2 1/2	8 5/8	2 3/8	6 23/32	25/32	7/8	29/32	4 29/32	2 9/16	2 5/16	5/8	UKP211	P211	UK211	HS2311X	3.7	
	2	63.5	219	60	171	20	22	23	125	65	59	M16				H2311X	3.7	
	1 7/8	2 3/4	10 1/4	3 1/8	7 1/4	31/32	1 13/32	1 3/32	5 15/32	3 9/32	2 5/16	3/4	UKPX11	PX11	UKX11	HS2311X	6.2	
	2	69.8	260	79	184	25	36	28	139	83	59	M20				H2311X	6.2	
55	1 7/8	3 5/32	12 7/32	3 5/32	9 9/32	25/32	1 1/2	1 1/16	6 7/32	3 17/32	2 5/16	5/8	UKP311	P311	UK311	HS2311X	8.1	
	2	80	310	80	236	20	38	27	158	90	59	M16				H2311X	8.1	
	2 1/8	2 3/4	9 1/2	2 3/4	7 1/4	25/32	31/32	31/32	5 7/16	2 7/8	2 7/16	5/8	UKP212	P212	UK212	HS2312X	4.8	
	2 1/8	69.8	241	70	184	20	25	25	138	73	62	M16				H2312X	4.8	
60	2 1/8	3	11 1/4	3 9/32	8	31/32	1 9/16	1 3/32	5 31/32	3 15/32	2 7/16	3/4	UKPX12	PX12	UKX12	HS2312X	7.5	
	2 1/8	76.2	286	83	203	25	40	28	152	88	62	M20				H2312X	7.5	
	2 1/8	3 11/32	13	3 11/32	9 27/32	31/32	1 1/2	1 5/32	6 9/16	4 1/16	2 7/16	3/4	UKP312	P312	UK312	HS2312X	9.4	
	2 1/8	85	330	85	250	25	38	29	167	103	62	M20				H2312X	9.4	
65	2 1/4	3	10 7/16	2 3/4	8	31/32	1 3/16	1 1/16	5 29/32	3 1/16	2 9/16	3/4	UKP213	P213	UK213	HE2313X	5.8	
	2 3/8	76.2	265	70	203	25	30	27	150	78	65	M20				H2313X	5.8	
	2 1/4	3	11 1/4	3 9/32	8	31/32	1 9/16	1 3/32	6 3/32	3 15/32	2 9/16	3/4	UKPX13	PX13	UKX13	HE2313X	7.8	
	2 3/8	76.2	286	83	203	25	40	28	155	88	65	M20				H2313X	7.8	
70	2 1/4	3 35/64	13 3/8	3 17/32	10 1/4	31/32	1 1/2	1 1/4	6 15/16	4 11/32	2 9/16	3/4	UKP313	P313	UK313	HE2313X	10.8	
	2 3/8	90	340	90	260	25	38	32	176	110	65	M20				H2313X	10.8	
	2 1/2	3 1/4	10 13/16	2 29/32	8 17/32	31/32	1 3/16	1 3/32	6 3/8	3 1/16	2 7/8	3/4	UKP215	P215	UK215	HE2315X	7.5	
	2 1/2	82.6	275	74	217	25	30	28	162	78	73	M20				H2315X	7.5	
75	2 1/2	3 1/2	13	3 1/2	9 1/32	1 1/16	1 31/32	1 1/4	6 7/8	3 29/32	2 7/8	7/8	UKPX15	PX15	UKX15	HE2315X	10.5	
	2 1/2	88.9	330	89	229	27	50	32	175	99	73	M22				H2315X	10.5	
	2 1/2	3 15/16	14 31/32	3 15/16	11 13/32	1 1/16	1 9/16	1 3/8	7 25/32	4 7/32	2 7/8	7/8	UKP315	P315	UK315	HE2315X	14.9	
	2 1/2	100	380	100	290	27	40	35	198	107	73	M22				H2315X	14.9	
80	2 3/4	3 1/2	11 1/2	3 1/16	9 1/8	31/32	1 3/8	1 3/16	6 27/32	3 9/32	3 1/16	3/4	UKP216	P216	UK216	HE2316X	9.2	
	2 3/4	88.9	292	78	232	25	35	30	174	83	78	M20				H2316X	9.2	
	2 3/4	4	15	4 1/2	11 5/32	1 1/16	2 9/32	1 11/32	7 11/16	4 9/16	3 1/16	7/8	UKPX16	PX16	UKX16	HE2316X	15.4	
	2 3/4	101.6	381	102	283	27	58	34	195	116	78	M22				H2316X	15.4	
85	2 3/4	4 11/64	15 3/4	4 11/32	11 13/16	1 1/16	1 9/16	1 3/8	8 7/32	4 23/32	3 1/16	7/8	UKP316	P316	UK316	HE2316X	18.6	
	2 3/4	106	400	110	300	27	40	35	209	120	78	M22				H2316X	18.6	
	3	3 3/4	12 7/32	3 9/32	9 23/32	31/32	1 9/16	1 1/4	7 9/32	3 7/16	3 7/32	3/4	UKP217	P217	UK217	H2317X	11.0	
	3	95.2	310	83	247	25	40	32	185	87	82	M20				H2317X	11.0	
90	3	4	15	4 1/32	11 5/32	1 1/16	2 3/8	1 11/32	7 7/8	4 9/16	3 7/32	7/8	UKPX17	PX17	UKX17	H2317X	15.8	
	3	101.6	381	102	283	27	60	34	200	116	82	M22				H2317X	15.8	
	3	4 13/32	16 17/32	4 11/32	12 19/32	1 5/16	1 25/32	1 9/16	8 21/32	4 23/32	3 7/32	1	UKP317	P317	UK317	H2317X	20.2	
	3	112	420	110	320	33	45	40	220	120	82	M27				H2317X	20.2	
95	—	4	12 7/8	3 15/32	10 5/16	1 1/16	1 25/32	1 5/16	7 25/32	3 11/16	3 3/8	7/8	UKP218	P218	UK218	H2318X	13.8	
	—	101.6	327	88	262	27	45	33	198	94	86	M22				H2318X	13.8	
	—	4	15	4 3/8	11 5/32	1 1/16	2 3/8	1 1/2	8 1/32	4 9/16	3 3/8	7/8	UKPX18	PX18	UKX18	H2318X	18.6	
	—	101.6	381	111	283	27	60	38	204	116	86	M22				H2318X	18.6	
100	—	4 41/64	16 15/16	4 11/32	13	1 5/16	1 25/32	1 9/16	9 7/32	4 23/32	3 3/8	1	UKP318	P318	UK318	H2318X	22.8	
	—	118	430	110	330	33	45	40	234	120	86	M27				H2318X	22.8	
	3 1/4	4 59/64	18 1/2	4 23/32	14 3/16	1 13/32	1 31/32	1 13/16	9 3/4	4 29/32	3 17/32	1 1/8	UKP319	P319	UK319	HE2319X	29.3	
	3 1/4	125	470	120	360	36	50	46	248	125	90	M30				H2319X	29.3	
105	3 1/2	5	17	4 3/4	13 9/32	1 5/16	2 9/16	1 25/32	9 21/32	4 31/32	3 13/16	1	UKPX20	PX20	UKX20	HE2320X	29.3	
	3 1/2	127	432	121	337	33	65	45	245	126	97	M27				H2320X	29.3	
	3 1/2	5 33/64	19 9/32	4 21/32	14 31/32	1 13/32	1 31/32	1 13/16	10 3/4	5 1/2	3 13/16	1 1/8	UKP320	P320	UK320	HE2320X	34.8	
	3 1/2	140	490	120	380	36	50	46	273	140	97	M30				H2320X	34.8	
110	4	5 29/32	20 15/32	5 1/2	15 3/4	1 9/16	2 5/32	1 31/32	11 21/32	5 29/32	4 1/8	1 1/4	UKP322	P322	UK322	H2322X	43.9	
	4	150	520	140	400	40	55	50	296	150	105	M33				HE2322X	43.9	
115	—	6 19/64	22 7/16	5 1/2	17 23/32	1 9/16	2 5/32	1 31/32	12 7/16	6 5/16	4 13/32	1 1/4	UKP324	P324	UK324	H2324X	55.7	
	4 1/2	160	570	140	450	40	55	50	316	160	112	M33				H2324X	55.7	
120	4 1/2	7 3/32	23 5/8	5 1/2	18 29/32	1 9/16	2 5/32	1 31/32	13 31/32	7 11/16	4 3/4	1 1/4	UKP326	P326	UK326	HE2326X	71.9	
	4 1/2	180	600	140	480	40	55	50	355	195	121	M33				H2326X	71.9	
125	—	7 7/8	24 13/32	5 1/2	19 11/16	1 9/16	2 5/32	2 3/8	15 15/32	7 9/32	5 5/32	1 1/4	UKP328	P328	UK328	H2328X	92.5	
	—	200	620	140	500	40	55	60	393	185	131	M33				H2328X	92.5	