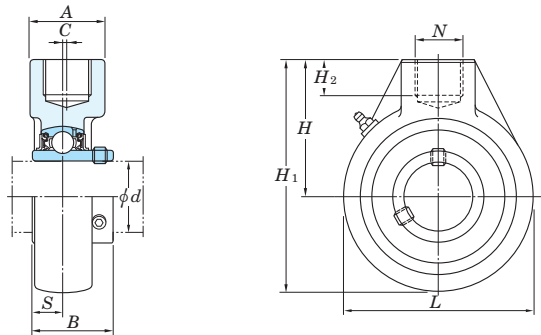


UCHA
Cylindrical bore (with set screws)
d 12 ~ 75 mm



Note 1)Dimensions N screw hole is apply JIS B0203 (Taper Pipe Threads) standards.
It can not apply to the Parallel Pipe External Thread.
Also, below shown the dimensions of Taper Pipe Internal Thread.

Nominal of Thread	Female Thread				Apply Male Thread
	Major Diameter	Pitch Diameter	Minor Diameter	Thread	
	D	D ₂	D ₁	Number of Threads (in 25.4 mm) n	
Rp 3/4	26.441	25.279	24.117	14	R 3/4
Rp 1	33.249	31.770	30.291	11	R 1
Rp 1 1/2	41.910	40.431	38.952	11	R 1 1/2
Rp 1 1/4	47.803	46.324	44.845	11	R 1 1/4

Shaft Dia. mm inch		Dimensions inch mm									Unit No.	Housing No.	Bearing No.		Basic Load Ratings kN		Fatigue Load Limit kN	Factor	Mass
d		H	A	L	H ₁	H ₂	N ¹⁾	C	B	S					C _r	C _{0r}	C _u	f ₀	kg
12	1/2										UCHA201		UC201						0.77
15	5/8	2 17/32	1 9/16	2 17/32	3 25/32	3/4		—	1.220	0.500	UCHA201-8	HA204	UC201-8		12.8	6.65	0.302	13.2	0.75
17	3/4	64	40	64	96	19	Rp 3/4	—	31	12.7	UCHA202		UC202						0.74
20											UCHA202-10		UC202-10						0.72
											UCHA203		UC203						
											UCHA204-12		UC204-12						
											UCHA204		UC204						
25	7/8	2 17/32	1 9/16	3 1/16	4 1/16	3/4		—	1.343	0.563	UCHA205-14	HA205	UC205-14		14.0	7.85	0.357	13.9	0.87
	15/16	64	40	78	103	19	Rp 3/4	—	34.1	14.3	UCHA205-15		UC205-15						
	1										UCHA205		UC205						
											UCHA205-16		UC205-16						
30	1 1/8	2 17/32	1 9/16	3 1/16	4 1/16	3/4		—	1.500	0.626	UCHA206-18	HA206	UC206-18		19.5	11.3	0.514	13.9	0.83
	1 3/16	64	40	78	103	19	Rp 3/4	—	38.1	15.9	UCHA206		UC206						
	1 1/4										UCHA206-19		UC206-19						
											UCHA206-20		UC206-20						
35	1 1/4	2 3/4	1 9/16	3 5/8	4 9/16	3/4		—	1.689	0.689	UCHA207-20	HA207	UC207-20		25.7	15.4	0.700	13.9	1.2
	1 5/16	70	40	92	116	19	Rp 3/4	—	42.9	17.5	UCHA207-21		UC207-21						
	1 3/8										UCHA207-22		UC207-22						
	1 7/16										UCHA207		UC207						
											UCHA207-23		UC207-23						
40	1 1/2	2 7/8	1 9/16	3 25/32	4 3/4	3/4		5/64	1.937	0.748	UCHA208-24	HA208	UC208-24		29.1	17.8	0.809	14.0	1.3
	1 9/16	73	40	96	121	19	Rp 3/4	2	49.2	19	UCHA208-25		UC208-25						
											UCHA208		UC208						
45	1 5/8	3 7/32	1 7/8	4 1/4	5 11/32	13/16		13/64	1.937	0.748	UCHA209-26	HA209	UC209-26		34.1	21.3	0.968	14.0	1.7
	1 11/16	82	48	108	136	21	Rp 1	5	49.2	19	UCHA209-27		UC209-27						
	1 3/4										UCHA209-28		UC209-28						
											UCHA209		UC209						
50	1 7/8	3 9/32	1 7/8	4 21/32	5 19/32	13/16		13/64	2.031	0.748	UCHA210-30	HA210	UC210-30		35.1	23.3	1.06	14.4	2.1
	1 15/16	83	48	118	142	21	Rp 1	5	51.6	19	UCHA210-31		UC210-31						
	2										UCHA210		UC210						
											UCHA210-32		UC210-32						
55	2	3 7/16	2 3/8	4 31/32	5 29/32	31/32		9/32	2.189	0.874	UCHA211-32	HA211	UC211-32		43.4	29.4	1.34	14.4	2.8
	2 1/8	87	60	126	150	25	Rp 1 1/4	7	55.6	22.2	UCHA211-34		UC211-34						
	2 3/16										UCHA211		UC211						
	2 1/4										UCHA211-35		UC211-35						
60	2 3/8	4 1/32	2 3/8	5 19/32	6 13/16	1 3/32		23/64	2.563	1.000	UCHA212-36	HA212	UC212-36		52.4	36.2	1.65	14.4	3.9
	2 7/16	102	60	142	173	28	Rp 1 1/4	9	65.1	25.4	UCHA212		UC212						
											UCHA212-38		UC212-38						
											UCHA212-39		UC212-39						
65	2 1/2	4 19/32	2 3/4	6 17/32	7 7/8	1 1/4		3/8	2.563	1.000	UCHA213-40	HA213	UC213-40		57.2	40.1	1.82	14.4	5.8
		117	70	166	200	32	Rp 1 1/2	9.5	65.1	25.4	UCHA213		UC213						
70	2 3/4	4 19/32	2 3/4	6 17/32	7 7/8	1 1/4		3/8	2.937	1.189	UCHA214-44	HA214	UC214-44		62.2	44.1	2.01	14.5	5.9
		117	70	166	200	32	Rp 1 1/2	9.5	74.6	30.2	UCHA214		UC214						
75	2 15/16	4 19/32	2 3/4	6 17/32	7 7/8	1 1/4		3/8	3.063	1.311	UCHA215-47	HA215	UC215-47		67.4	48.3	2.17	14.5	5.6
	3	117	70	166	200	32	Rp 1 1/2	9.5	77.8	33.3	UCHA215		UC215						
											UCHA215-48		UC215-48						

Remarks 1. In Part No. of unit and units with covers, fitting codes follow bore diameter numbers. (See Table 2.5 in P.11.)
2. Part No. of applicable grease nipples are shown below.
A-1/4-28UNF..... 201~210
A-R1/8..... 211~215
3. As for the triple-lip seal type product (from 201 to 205 are the double-lip seal type products), supplementary code L3 (or L2) follows the Part No. of unit or bearing. (Example of Part No. : UCHA206JL3, UC206L3)
4. For the dimensions and forms of applicable bearings and adapters, see the dimensional tables of insert bearing for unit and adapter assemblies.
5. Tapered bore (with adapter) type products are also available. (Example of Part No. : UKHA205J + H2305X, UK205 + H2305X)