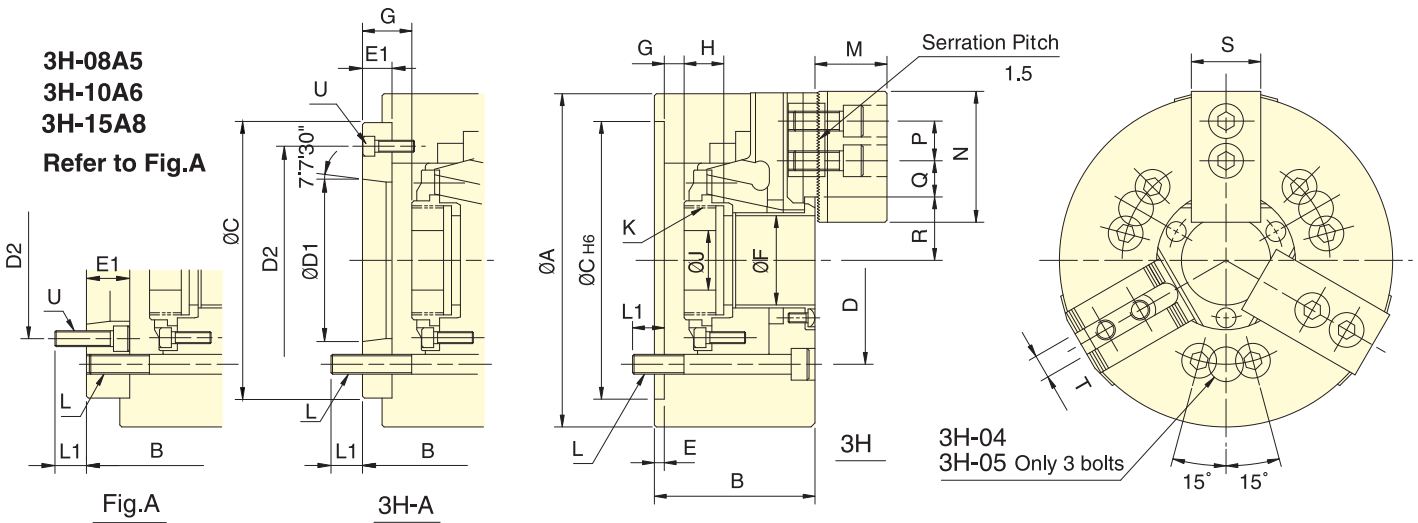




Application/customer benefits

- It's a WEDGE-HOOK type 3-jaw with the large through-hole.
- Matching surfaces of all parts hardened, ground and lubricated directly.
- Construction of high rigidity and high clamping accuracy.
- J value is the hole diameter of blank draw nut, K is the maximum thread specification, and it could be customize.



* Subject to technical changes.

Specifications

Model	Plunger stroke (mm)	Jaw stroke (Dia.) (mm)	Chucking Dia. Max. (mm)	Chucking Dia. Min. (mm)	Max. D.B. pull kN (kgf)	Max. clamping force kN (kgf)	Max. speed min ⁻¹ (r.p.m.)	I kg · m ²	Weight (kg)		Matching cyl.	Max. pressure MPa (kgf/cm ²)	
3H-04	10	5.4	110	7	13.7(1400)	28.4(2900)	8000	0.01	4		TK-A533	2.0(20)	
3H-05	A4	10	135	12	17.1(1750)	35.8(3650)	7000	0.02	6.7	7.5	TK-A533	2.5(25)	
3H-10	A6	19	8.8	254	25	42.6(4380)	110.7(11300)	4200	0.33	34.5	41.5	TK-A1075	2.9(29)
3H-10	A8	19	8.8	254	25	42.6(4380)	110.7(11300)	4200	0.33	34.5	40	TK-A1075	2.9(29)
3H-15	A8	23	10.6	381	50	71(7250)	179.8(18350)	2500	2.47	120	134	TK-A1512	2.1(22)
3H-15	A11	23	10.6	381	50	71(7250)	179.8(18350)	2500	2.39	120	127	TK-A1512	2.1(22)
3H-18	A11	23	10.6	450	50	71(7250)	179.8(18350)	2000	4.78	164	178	TK-A1512	2.1(22)

Dimensions

Model	A	B	C	D	D1	D2	E	E1	F	G max.	G min.	H	J	K max.	L	L1	M	N	P	Q max.	Q min.	R max.	R min.	S	T	U					
3H-04	110	59	85	70.6	-	-	4	-	26	3.5	-6.5	17.5	12	M32x1.5	3~M10	16	24	52	14	11.3	6.8	23	20.3	23	10	-					
3H-05	A4	135	60	71	110	82.6	63.5	96	4	15	33	1	16	-9	6	20	12	M40x1.5	3~M10	15	15	31	62	14	21.8	8.3	26.5	23.8	25	10	3~M6
3H-10	A6	254	100	120	220	171	106	133	5	25	75	8.5	33.5	-10.5	14.5	25	45	M85x2	6~M16	22	18	43	110	30	33.8	14.3	51	46.6	40	16	6~M12
3H-10	A8	254	100	113	220	171	140	190	5	18	75	8.5	26.5	-10.5	7.5	25	45	M85x2	6~M16	22	24	43	110	30	33.8	14.3	51	46.6	40	16	3~M8
3H-15	A8	381	133	160	300	235	140	171	6	33	120	11	44	-12	21	39	60	M130x2	6~M20	30	24	63	165	43	47.5	20.5	80	74.7	62	25.5 or 22	6~M16
3H-15	A11	381	133	149	300	235	197	260	6	22	120	11	33	-12	10	39	60	M130x2	6~M20	30	28	63	165	43	47.5	20.5	80	74.7	62	25.5 or 22	3~M10
3H-18	A11	450	133	149	300	235	197	260	6	22	120	11	33	-12	10	39	60	M130x2	6~M20	30	28	63	165	43	83.5	20.5	80	74.7	62	25.5 or 22	3~M10

The dimensions and the specifications of 3H-A type are in the red data.

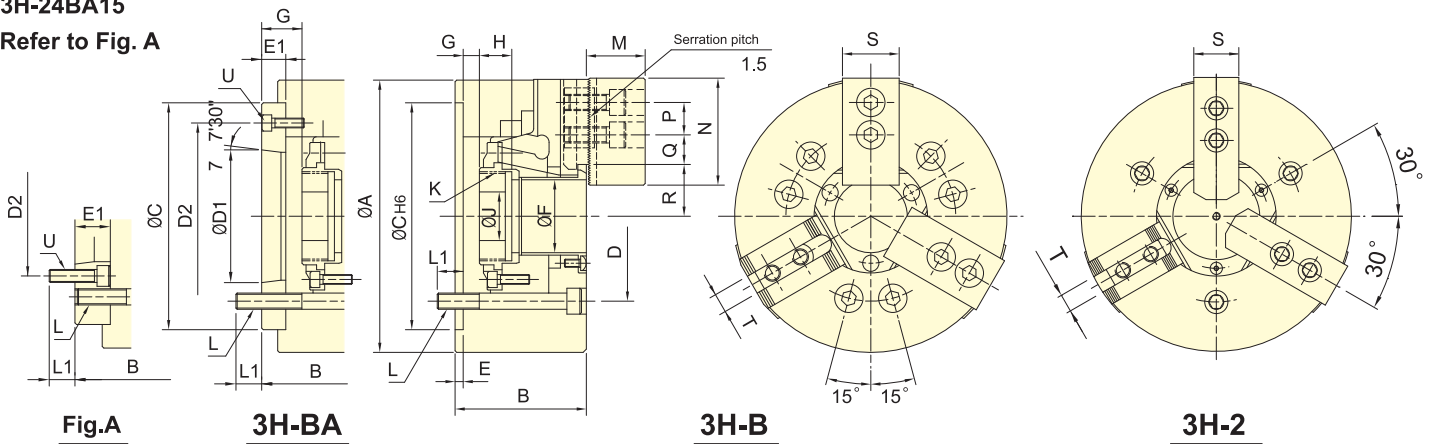


Application/customer benefits

- It's a WEDGE-HOOK type 3-jaw with the extra large through-hole.
- Matching surfaces of all parts hardened, ground and lubricated directly.
- Construction of high rigidity and high clamping accuracy.
- J value is the hole diameter of blank draw nut, K is the maximum thread specification, and it could be customize.

3H-24BA15

Refer to Fig. A



* Subject to technical changes.

Specifications

Model	Plunger stroke (mm)	Jaw stroke (Dia.) (mm)	Chucking Dia. Max. (mm)	Chucking Dia. Min. (mm)	Max. D.B. pull kN (kgf)	Max. clamping force kN (kgf)	Max. speed min ⁻¹ (r.p.m.)	I kg · m ²	Weight (kg)	Matching cyl.	Max. pressure MPa (kgf/cm ²)	
3H-204 A4	13	5.5	118	7	13.7(1400)	36(3670)	8000	0.012	4.2	4.8	TK-A533	2.0(20)
3H-205 A4	13	5.5	138	12	17.2(1750)	48(4890)	7000	0.02	6.3	7.1	TK-A533	2.5(25)
3H-206 A5	14	6	170	18	23.3(2375)	66.8(6810)	6000	0.06	13.1	14.9	TK-A853	1.9(19)
3H-208 A6	18	7.6	210	23	31.9(3250)	107(10900)	5000	0.15	21.8	23.4	TK-1068	2.2(22)
3H-10B A8	19	8.8	260	46	49.1(5010)	126.9(12950)	4500	0.32	33.2	38.7	TK-1287	2.6(26)
3H-15B A15	23	10.6	405	60	71(7240)	180(18350)	2500	2.3	127.8	138.8	TK-2114	2.4(24)
3H-18B A15	23	10.6	456	66	71(7240)	180(18350)	2000	4.8	162.4	173.4	TK-2416	2.2(22)
3H-21B A15	23	10.6	530	104	89.9(9175)	233.8(23860)	1700	7.5	223	234	TK-2820	2.1(21)
3H-24B A15	26	12	610	128	89.9(9175)	233.8(23860)	1400	14.8	270	315	TK-2820	2.1(21)
3H-24B A20	26	12	610	128	89.9(9175)	233.8(23860)	1400	14.8	270	284	TK-2820	2.1(21)

Dimensions

Model	A	B	B	C	D	D1	D2	E	E1	F	G max.	G min.	H	J	K	L	L1	M	N	P	Q max.	Q min.	R max.	R min.	S	T	U			
3H-204 A4	118	59	70	110	82.6	63.5	96	4	15	33	3.5	18.5	-9.5	5.5	17.5	12	M40x1.5	3~M10	16	16	24	52	14	14.2	5.3	26	23.25	23	10	3~M6
3H-205 A4	138	60	71	110	82.6	63.5	96	4	15	39	1	16	-12	3	20	12	M45x1.5	3~M10	15	15	31	62	14	20.25	6.75	29.5	26.75	25	10	3~M6
3H-206 A5	170	81	91	140	105	82.6	116	5	15	53	13	28	-1	14	17.5	20	M60x2	3~M10	16	11	37	73	20	21.22	12.22	36	33	31	12	3~M6
3H-208 A6	210	91	103	170	133	106	150	5	17	66	16.5	33.5	-1.5	15.5	20	30	M75x2	3~M12	17	15	38	95	25	23.72	13.22	45.7	41.9	35	14	3~M6
3H-10B A8	260	100	113	220	172	140	190	5	18	86	8.5	26.5	-10.5	7.5	25	45	M95x2	6~M16	22	24	43	110	30	32.25	14.25	56	51.6	40	16	3~M8
3H-15B A15	405	133	154	380	330	286	330	6	27	140	11	38	-12	15	39	45	M155x3	6~M24	35	38	63	165	43	43.75	18.25	91	85.7	62	25.5	3~M12
3H-18B A15	456	145	166	380	330	286	330	6	27	165	18	45	-5	22	40	60	M175x3	6~M24	38	36	63	165	43	65.25	18.75	102	96.7	62	25.5	3~M12
3H-21B A15	530	140	161	380	330	286	330	6	27	180	11	38	-12	15	39	80	M190x3	6~M24	35	38	73	180	60	69.5	21.5	113.5	108.2	65	25	3~M12
3H-24B A15	610	147	181	520	464	286	330	6	40	205	18	58	-8	32	40	120	M215x3	6~M24	35	35	73	180	60	93.5	21.5	126	120	65	25	6~M24
3H-24B A20	610	147	168	520	464	413	464	6	27	205	18	45	-8	19	40	120	M215x3	6~M24	35	38	73	180	60	93.5	21.5	126	120	65	25	3~M12

The dimensions and the specifications of 3H-BA type are in the red data.