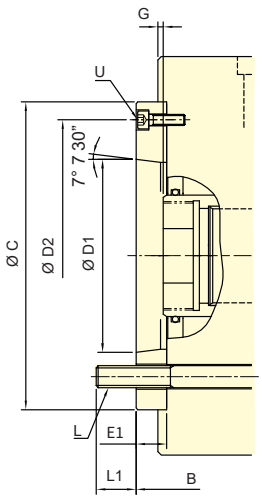
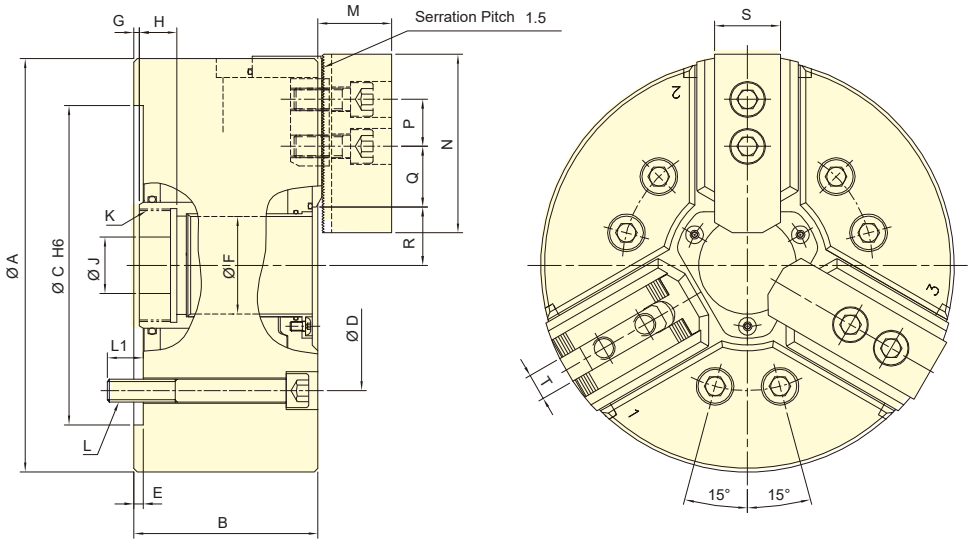
THRU-HOLE FULLY SEALED TYPE POWER CHUCK

- Fully sealed design extends maintenance intervals, improving production efficiency.
- Sealed design ensures constant lubrication and protects against the ingress of coolant and chips, which guarantees clamping precision and durability.
- Suitable for lights-out manufacturing; dry machining of castings and forgings; or when high-pressure coolant is utilized. Especially ideal for vertical lathes.
- Media fed through central bore - available for coolant or air. (optional)



3HS-A



3HS

Subject to technical changes

SPECIFICATIONS

Model		Plunger stroke	Jaw stroke (Dia.)	Chucking Dia. Max.	Chucking Dia. Min.	Max. D.B. pull	Max. Clamping force	Max. speed	Moment of inertia	Weight		Matching cyl.	Max. pressure
		mm	mm	mm	mm	kN (kgf)	kN (kgf)	min^{-1}(r.p.m.)	$kg{\cdot}m^2$	kg			MPa (kgf/cm^2)
3HS-08	A6	18	7.6	220	22	31.9(3250)	92(9380)	5000	0.18	27.4	29	TK-A853	2.6(26)
3HS-10	A8	21	8.9	268	31	50(5100)	132(13460)	4500	0.46	45.4	48.4	TK-A1075	3.2(32)
3HS-12	A11	25	10.6	315	48	58.8(6000)	154(15600)	3500	0.83	65	71.2	TK-A1512	1.9(19)

DIMENSIONS

Model		A	B		C	D	D1	D2	E	E1	F	G max.		G min.		H	J
3HS-08	A6	220	98	110	170	133.4	106.38	150	5	17	52	20	15	2	-3	20	30
3HS-10	A8	268	112	125	220	171.4	139.72	190	5	18	75	24	15	3	-6	25	35
3HS-12	A11	315	118	134	300	235	196.87	260	6	22	91	32.5	14.5	7.5	-10.5	28	50

Model		K max.	K Default	L	L1		M	N	P	Q max.	Q min.	R max.	R min.	S	T	U
3HS-08	A6	M60x2	M55x2	6~M12	19	17	39	95	25	47.75	29.75	29	25.2	35	14	3~M6
3HS-10	A8	M85x2	M70x2	6~M16	24	26	44	110	30	54.25	33.25	41.5	37.05	40	16	3~M8
3HS-12	A11	M100x2	M85x2	6~M20	32	25	52	130	30	65.25	36.75	49.5	44.2	50	21	3~M10

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