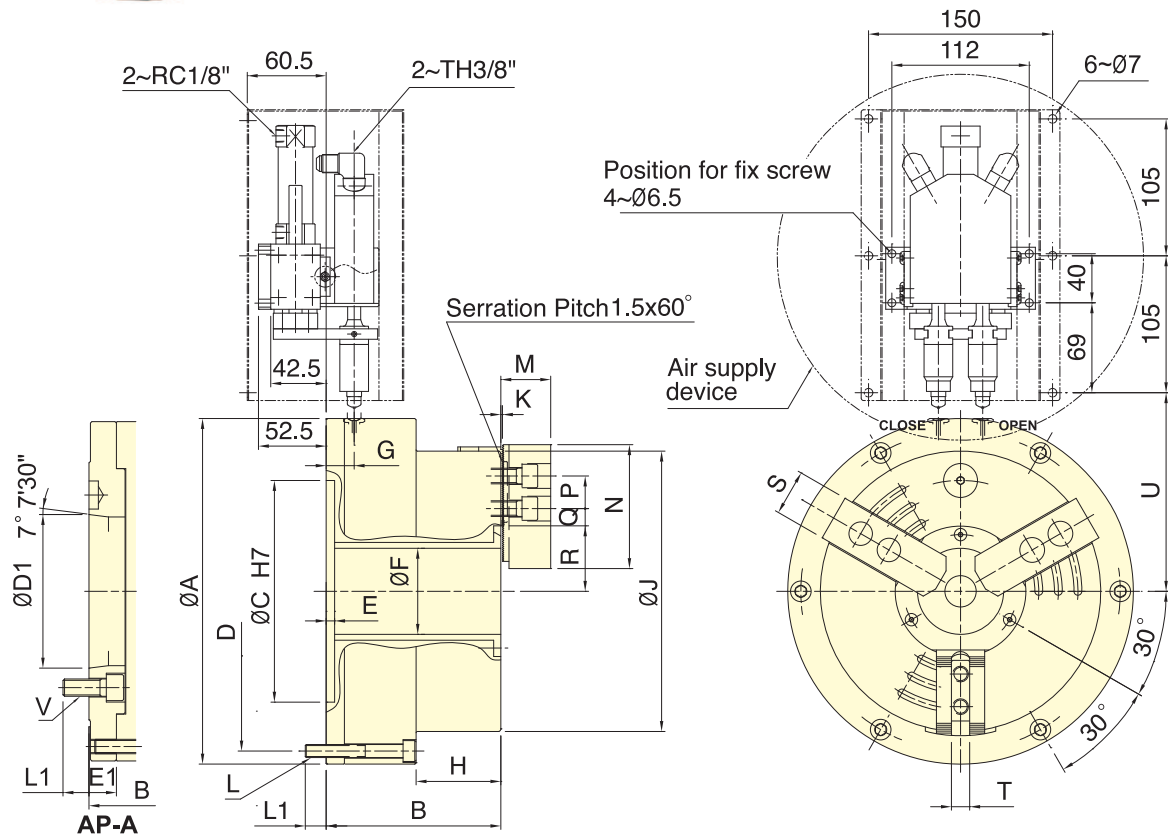


Application/customer benefits

- Large through-hole 3-jaw power chuck with build in air cylinder.
- The supply air system of the patent, it is easy to install fast, and without abrasion by traditional sealed ring, that could able to reduce maintenance and installation.
- Patent numbers :
 Germany : 20.2011.101.818.4 / 20.2012.102.498.5 Japan : 3169457 / 3178706
 European Union : EP 2517822 B1 China : ZL 2011 2 0141324.9 / ZL 2012 2 0274549.6
 Taiwan : M440159 / M415011 US : US8770222 B2

SPECIAL PURPOSE



* Subject to technical changes.

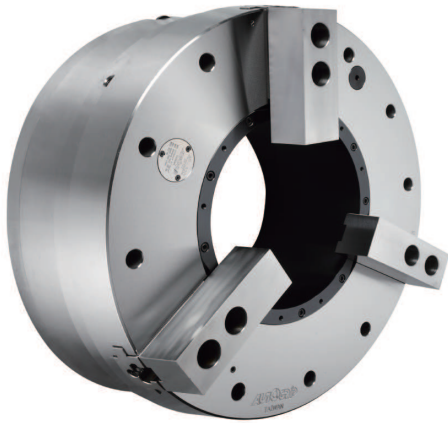
Specifications

Model	Thru-hole Dia (mm)	Jaw stroke (Dia.) (mm)	Chucking Dia. Max. (mm)	Chucking Dia. Min. (mm)	Max. pressure MPa (kgf/cm ²)	Max. clamping force kN (kgf)	Max. speed min ⁻¹ (r.p.m.)	I kg · m ²	Weight (kg)	Air Consumption lit(at 6kgf/cm ²)
AP-52 A6	52	5.9	170	15	0.6(6.1)	40.4(4118)	4200	0.2	26 27	3.1
AP-66 A6	66	7.6	215	24	0.6(6.1)	51.0(5185)	3500	0.4	38 39	5.1
AP-86 A8	86	8.9	268	43	0.6(6.1)	76.0(7723)	3200	0.7	58 60	8.7
AP-115 A8	115	10.6	330	55	0.6(6.1)	80.0(8155)	3000	1.7	92 95	12

Dimensions

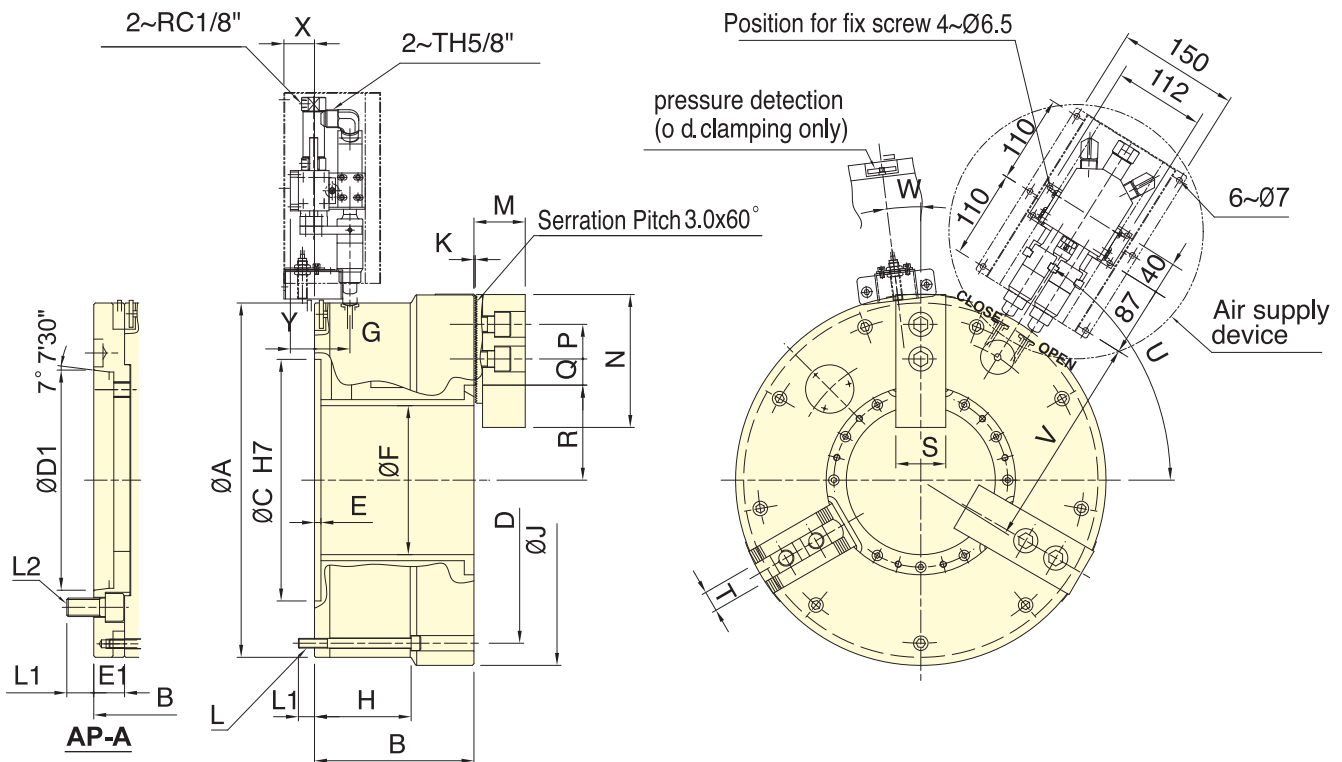
Model	A	B	C	D	D1	E	E1	F	G	H	J	K	L	L1	L1	M	N	P	Q max.	Q min.	R max.	R min.	S	T	U	V	
AP-52 A6	235	121	140	170	215	106.38	6.5	19	52	21.5	58.5	170	2	6~M10	15	18	37	73	20	21.2	9.2	38	35.1	31	12	145.5	6~M12
AP-66 A6	265	134	153	170	245	106.38	6.5	19	66	21.5	65	215	2	6~M10	16	18	38	95	25	23.7	8.7	50.2	46.4	35	14	159.5	6~M12
AP-86 A8	315	142	169	220	295	139.72	6.5	27	86	21.5	67	268	2	6~M10	16	24	43	110	30	32.2	12.7	62.2	57.8	40	16	184.5	6~M16
AP-115 A8	370	154	181	220	350	139.72	6.5	27	115	21.5	69	330	2	6~M10	16	24	51	130	30	44.7	14.7	77	71.7	50	21	212	6~M16

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



Application/customer benefits

- Large through-hole 3-jaw power chuck with built in air cylinder.
- With built-in "pressure detection" device in chuck which can check the pressure is lowered rapidly within the chuck, guarantee to the security of operating.
- The supply air system of the patent, it is easy to install fast, and without abrasion by traditional sealed ring, that could able to reduce maintenance and installation.
- Patent numbers :
 - Germany : 20.2011.101.818.4 / 20.2012.102.498.5
 - Japan : 3169457 / 3178706
 - European Union : EP 2517822 B1
 - China : ZL 2011 2 0141324.9 / ZL 2012 2 0274549.6
 - Taiwan : M440159 / M415011
 - US : US8770222 B2



SPECIAL PURPOSE

Specifications

* Subject to technical changes.

Model	Thru-hole Dia (mm)	Jaw stroke (Dia.) (mm)	Chucking Dia. Max. (mm)	Chucking Dia. Min. (mm)	Max. pressure MPa (kgf/cm ²)	Max. clamping force kN (kgf)	Max. speed min ⁻¹ (r.p.m.)	I kg · m ²	Weight (kg)	Air Consumption lit(at 6kgf/cm ²)	
AP-145 A11	145	14	420	62	0.6(6.1)	85.0(8667)	1700	3.8	156	182	17.8
AP-185 A15	185	14	460	100	0.6(6.1)	110.0(11216)	1300	6	188	223	22
AP-230 A15	230	17	535	170	0.6(6.1)	125.0(12742)	1300	11.1	265	310	34
AP-275 A20	275	17	580	200	0.6(6.1)	140.0(14271)	1100	15.5	301	346	39
AP-320 A20	320	17	658	200	0.6(6.1)	184.0(18762)	1000	27.2	415	505	45
AP-375 A20	375	24	738	260	0.6(6.1)	188.0(19115)	850	44.2	530	545	55

Dimensions

Model	A	B	C	D	D1	E	E1	F	G	H	J	K	L	L1	L2	M	N	P	Q max.	Q min.	R max.	R min.	S	T	U	V	W	X	Y		
AP-145 A11	400	198	231	300	365	196.87	8	33	145	34	120	420	3.5	9~M12	20	31	6~M20	63.7	165	43	53.5	23.5	98	91	62	25.5	57°	242	0°	38	20
AP-185 A15	460	198	238	300	405	285.78	8	40	185	44	120	460	3.5	9~M12	20	35	6~M24	63.7	165	43	53.5	23.5	118	111	62	25.5	58°	272	7°	38	20
AP-230 A15	515	226	266	380	483	285.78	8	40	230	49	145	535	3.5	6~M16	24	35	6~M24	71.7	180	60	48.5	18.5	145	136.5	64	25.5	30°	300	7°	33	15
AP-275 A20	560	232	272	380	528	412.78	8	40	275	52	152	580	3.5	6~M16	24	35	6~M24	71.7	180	60	48.5	18.5	167.5	159	64	25.5	30°	322	7°	30	12
AP-320 A20	615	256	306	520	580	412.78	8	50	320	55	116.5	658	3.5	9~M16	25	33	6~M24	81.5	210	60	60.5	24.5	190	181.5	74	30	52°	350	7°	27	9
AP-375 A20	690	272	322	520	650	412.78	8	50	375	55	127	738	3.5	9~M16	28	33	6~M24	81.5	210	60	66.5	24.5	223.5	211.5	74	30	52°	387	7°	27	9

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