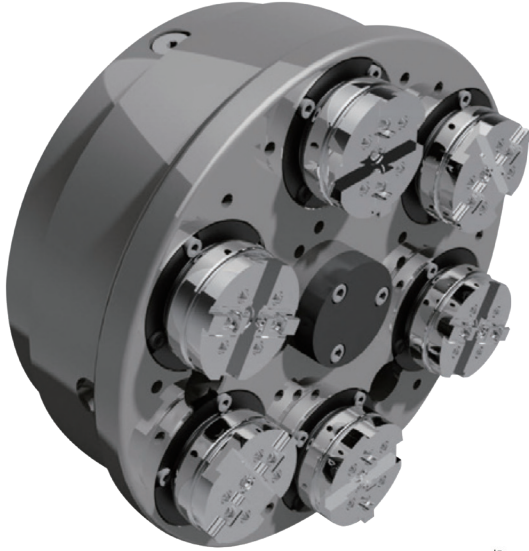


## High precision pull-down 6 Jaw (2+2+2) equalising chuck



### Minimise Clamping deformation

Can minimise a clamping radial deformation when clamping thin walled workpieces with this 6 jaw (2 +2+2) low profile chuck.

### Suitable for OP-10 or unique clamping applications.

With active pull-down function and floating function of the tongue & groove base jaws allows for a 12 point work piece contact if necessary to ensure stable clamping.

### Centrifugal force compensation

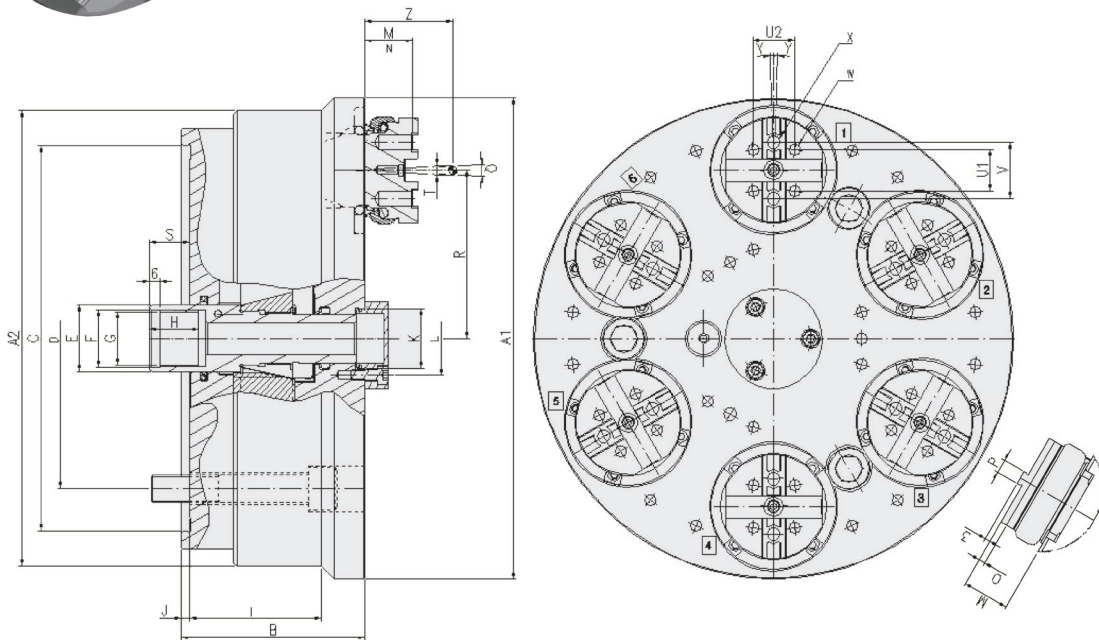
Minimal gripping force fall off at very high speed due to high centrifugal force compensation.

### No swarf or coolant ingress

Due to perfect sealing, no foreign substance can enter the internal mechanism of the chuck.

### Problem Free Installation

This chuck will require an adaptor to be installed on your machine therefore simply specify which ASA or JIS Spindle nose your machine has and we will provide the correct adaptor to suit.



### Specifications

Part No.	Angular jaw stroke (deg)	Radial Jaw Stroke - P mm	Plunger Stroke mm	Angular Floating jaw stroke max. (deg)	Pull Down movement mm	Max. Draw Bar Pull Force kN (kgf)	Max. Gripping Force - P kN (kgf)	Max. Speed min <sup>-1</sup>	Net Weight kg	Moment of Inertia kg.m <sup>2</sup>
KSE-10S	5.2°	5.4	24	±2.4°	0.1	17.9 (1830)	35 (3570)	4000	42	0.38
KSE-12S	4.9°	6	29	±2.2°	0.1	24.8 (2540)	47.9 (4890)	3300	73	0.98
KSE-15S	4.9°	7	29	±2.2°	0.1	80.9 (8250)	76 (7750)	2300	130	2.75

### Dimensions

Part No.	A1	A2	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
KSE-10S	275	260	105	220	171	38	33	M32x1.5	28	75	5	34	42	27	0.1	4	7.94
KSE-12S	320	320	122	280	235	48	39	M38x1.5	33	92	5	44	63	33	0.1	4	7.94
KSE-15S	404	404	129	300	235	48	39	M38x1.5	33	99	5	44	63	33	0.1	4	12.7

### Dimensions continued

Part No.	Q	R	S		T	U1	U2	V	W	X	Y	Z
			Max.	Min.								
KSE-10S	5.2°	96	35.1	11.1	5.4	24	24	32	M8/15	M10/15	±2°	50
KSE-12S	4.9°	113	38	9	6	32	32	38	M10/15	M12/20	±1.5°	60
KSE-15S	4.9°	152	32.8	3.8	7	36	36	44.4	M10/15	M12/20	±1.5°	70