



**CHUCK**

# Pull Lock Chuck PU series

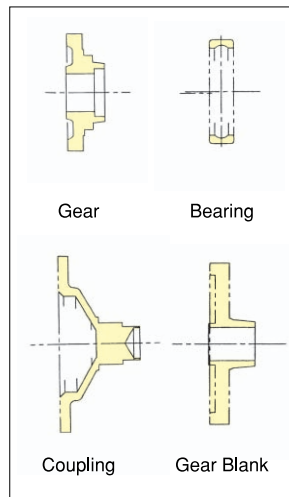
**Draw down work caliber**  
**Optimum Pull Lock Chuck for finishing with outstanding stability**



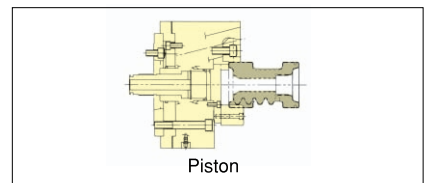
- **Heavy cutting realized by high gripping stability!**  
 Heavy cutting realized by high gripping stability!  
 Radial-direction gripping force and strong pull-back action enable work to keep in intimate contact with the chuck reference surface without floating, thus allowing stable heavy cutting.
- **Excellent repeatability!**  
 Side and rear support provided by base jaws reduces centrifugal gripping loss resulting in high repeatability.
- **Long-term stable accuracy!**  
 The sophisticated structure and special steel design keep the long-term stable gripping accuracy.
- **Full compatibility with automation, allowing seating confirmation!**  
 The long stroke design has allowed easy compatibility with automation and adoption of the seating confirmation function.

Advanced Chuck

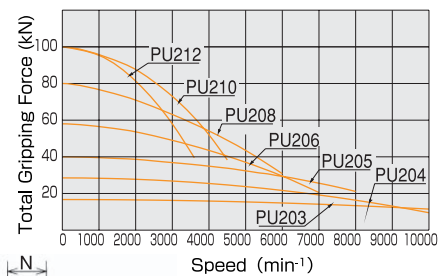
### Work Examples



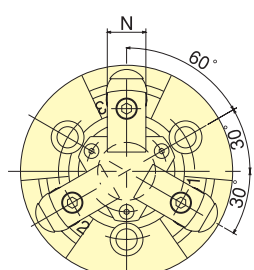
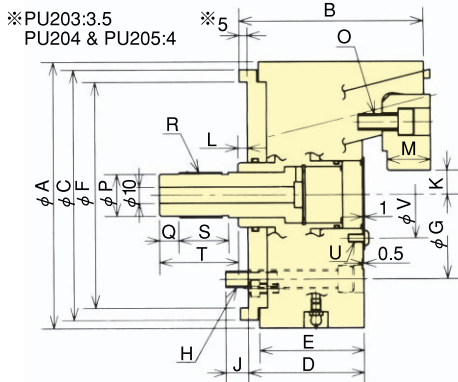
### Gripping Examples



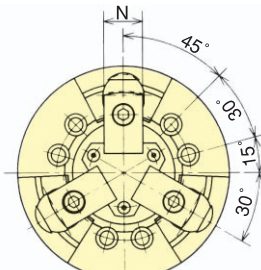
### Gripping Performance



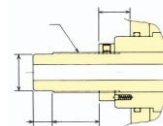
### Dimensional Drawings



PU203~PU205



PU206~PU212



PU203~PU205  
(Drawbar connection)

### Dimensions

Model	Dimensions																						
	A	B	C	D	E	F (G7)	G	H	J	K max.	K min.	L max.	L min.	M	N	O	P	Q	R	S	T	U	V
PU203	75	54.5	75	38.5	34	69	54	3-M6	9	2.5	1.5	21.5	17.5	9	15	3-M5	8	10	M10	19	-	3-M3	25.5
PU204	110	72.5	100	51	43	85	70.6	3-M10	12	10.75	9.25	19	13	14	20	3-M6	18	12	M20x1.5	24	-	3-M4	42
PU205	135	84.5	135	59	51	110	82.6	3-M10	15	13.25	11.75	23	17	17	24	3-M8	23	12	M25x1.5	30	-	3-M5	52
PU206	165	115	155	72	65	140	104.8	6-M10	14	16.25	13.75	11	1	27	30	3-M10	26	12	M28x1.5	31	49	3-M5	54
PU208	210	135	180	85	70	170	133.4	6-M12	15	16.25	13.75	11	1	31	35	3-M12	32	15	M35x1.5	30	51	3-M6	65
PU210	254	150	230	95	82	220	171.4	6-M16	23	21.25	18.75	12	2	35	40	3-M14	35	15	M38x1.5	30	51	3-M8	80
PU212	304	155	240	95	82	220	171.4	6-M16	23	46.25	43.75	12	2	40	40	3-M14	42	15	M45x1.5	30	51	3-M10	100

### Specifications

Model	Specs	Jaw stroke (diameter)/mm	Plunger stroke mm	Gripping range		Max. pul force kN(kgf)	Max. gripping force kN(kgf)	Max speed min⁻¹ (r.p.m)	Mass (with Standard Soft. Jaw) kg	Moment of Inertia kg·m²	Matching cylinder	Max. pressure MPa(kgf/cm²)
				Max. mm	Min. mm							
PU203		2	4	32	4	5.8(590)	16.7(1700)	10000	1.5	0.0012	YG-329	1.63(16.6)
PU204		3	6	60	10	10(1020)	28.5(2906)	8000	3.8	0.006	F0933H	2.06(21.0)
	10000							YG-296			1.18(12.0)	
PU205		3	6	84	15	14(1428)	40(4079)	8000	6.6	0.017	F0933H	2.5(25.5)
PU206		5	10	100	25	18(1835)	58(5914)	7000	14.1	0.050	Y1020R	2.55(26)
PU208		5	10	130	25	25(2549)	80(8158)	6000	24	0.133	Y1225R	2.5(25.5)
PU210		5	10	160	35	35(3569)	100(10197)	4500	42	0.338	Y1225R	3.35(34.2)
PU212		5	10	210	85	35(3569)	100(10197)	3600	60.5	0.655	Y1225R	3.35(34.2)



**CHUCK**

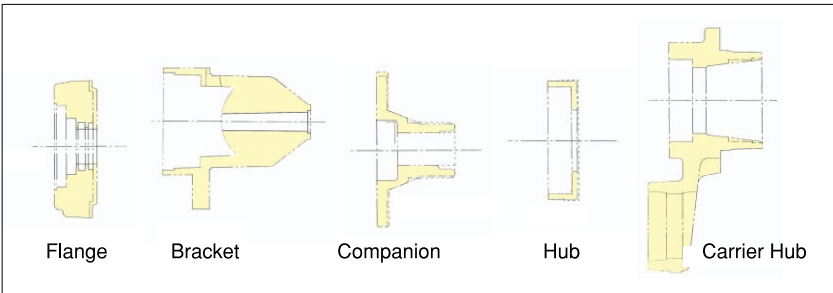
# Pull Lock Chuck PUE series

Draw down work caliber  
Optimum Pull Lock Chuck for finishing with outstanding stability

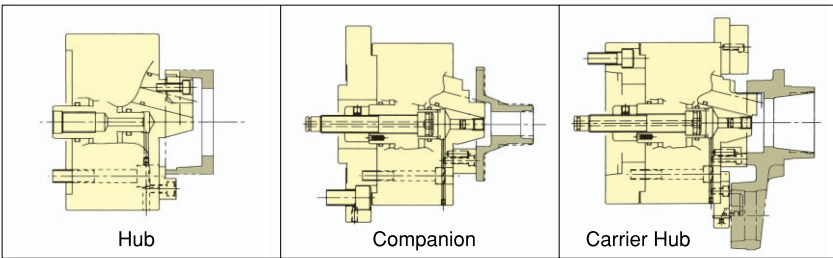


Advanced Chuck

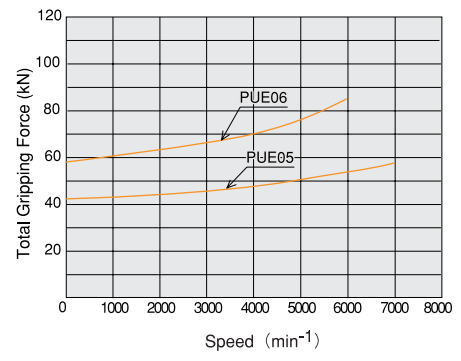
## Work Examples



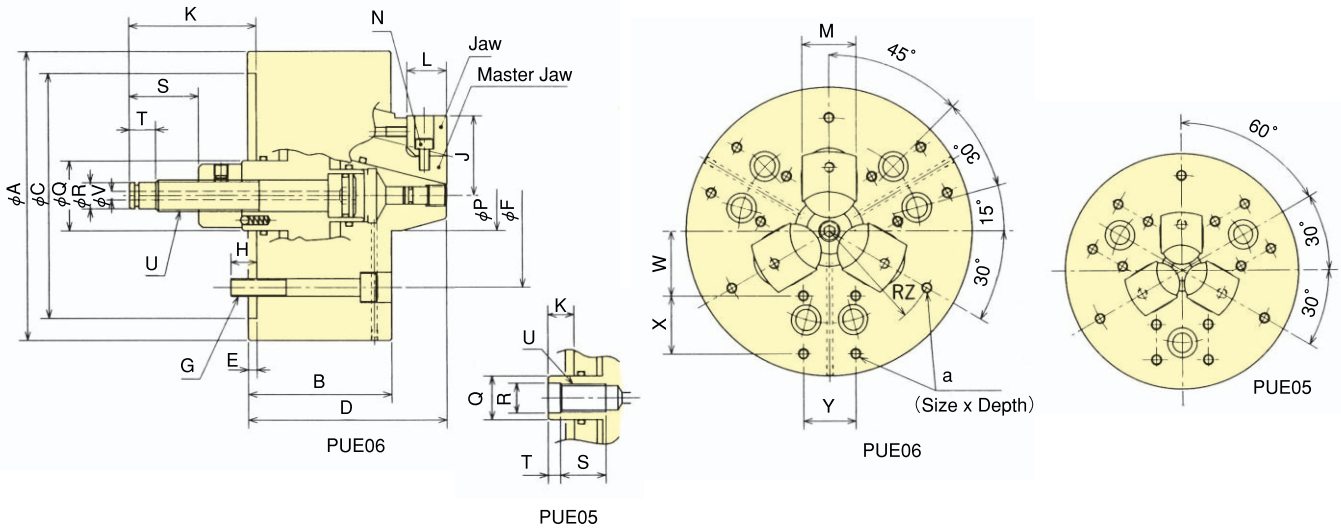
## Gripping Examples



## Gripping Performance



## Dimensional Drawings



## Dimensions

Model	A	B	C(H6)	D	E	F	G	H	J max.	J min.	K max.	K min.	L	M	N	P	Q	R	S	T	U	V	W	X	Y	Z	a
PUE05	135	72	110	98	5	82.55	3-M10	15	34.4	33	18	12	20	24	3-M6	24	25	17 <sup>±0.1</sup>	26	7	M16x2	-	31	20	30	55	M6x11
PUE06	165	83	140	115	5	104.8	6-M10	15	46.9	44.5	78.5	68.5	23	31	3-M6	40	40	15h8	40	15	M18x2.5	5	37	33	30	65	M6x11

## Specifications

※When using PUE-05 at more than 6000 rpm, a special cylinder is required.

Model	Plunger stroke mm	Jaw stroke (diameter)mm	Max. pull force kN(kgf)	Max. gripping force kN(kgf)	Max speed min <sup>-1</sup> (r.p.m.)	Mass (with Standard Soft Jaw) kg · m <sup>2</sup>	Moment of Inertia kg · m <sup>2</sup>	Matching cylinder	Max. pressure MPa(kgf·cm <sup>2</sup> )	Gripping range		
										Standard jaws	Option jaws	Master jaws
PUE05	6	2.8	13(1325)	42(4280)	7000	7.6	0.018	Y1020R <sup>※</sup>	1.9(19.5)	φ50~φ65	φ65~φ80	φ29~φ50
PUE06	10	4.8	18(1835)	58(5914)	6000	13.9	0.043	Y1020R	2.5(25.5)	φ70~φ89	φ89~φ105	φ44~φ70