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Frequently Asked Questions

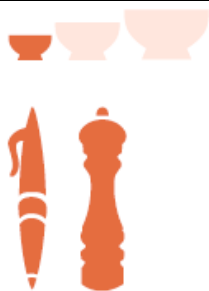
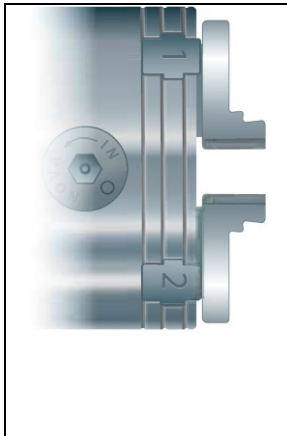
Jaw Capacity when mounted on a particular chuck (Metric)

Date Raised: 12 May 2017

Safe practices should always be employed to ensure the Health and Safety of yourself, employees and customers (if applicable) Refer to product manuals, exploded drawings and our website if further assistance is required, or contact us on service@teknatool.com

Date Amended

JS20N Mini 20mm (3/4") Jaws

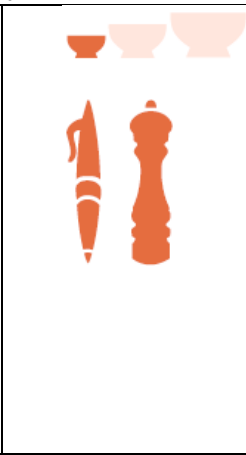
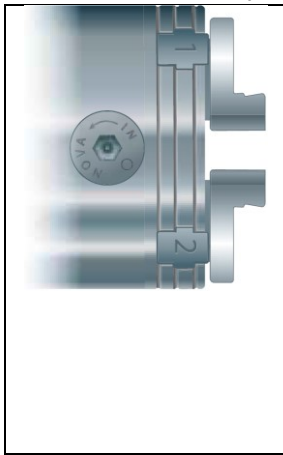


Ideal for small bowl and small unsupported spigot turning work. Perfect for mini/ midi lathe work below the size that can be handled by the 50mm jaw set.



Jaw Set & Chuck Suitability	Expanding Action Specifications		Contracting Action Specifications			
			Square Stock		Spigot Mode	
	Min	Max	Min	Max	Min	Max
Precision Midi*	20	41.5	10	20	8	30
Nova G3	20	41.5	10	20	8	30
SuperNova2	20	41.5	10	20	8	30
Titan	20	51.5	10	30	8	40

JS25N 25mm (1") Jaws

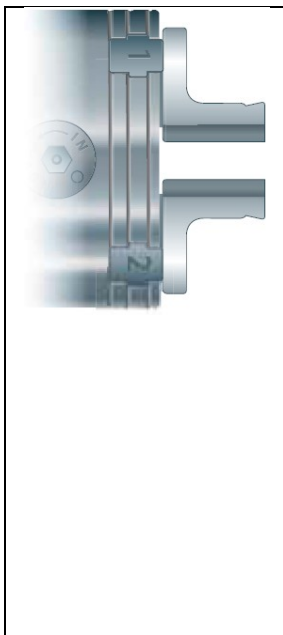


One of our most popular and convenient jaws for small bowl and small unsupported spigot turning work. Ideal for mini/midi lathe work, or for work below the size that can be handled by the 50mm jaw set.



Jaw Set & Chuck Suitability	Expanding Action Specifications		Contracting Action Specifications			
Suitable Chuck	Min	Max	Square Stock		Spigot Mode	
			Min	Max	Min	Max
Precision Midi*	26	36	9	18	10	20
Nova G3	26	46	9	28	10	31
SuperNova2	26	46	9	28	10	31
Titan	26	56	9	38	10	41

JSPIN Pin Jaws

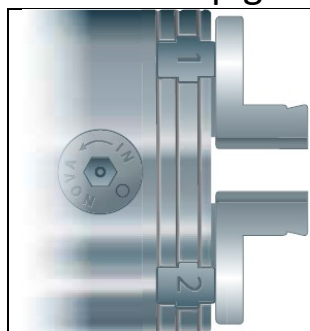


These extended jaws act like a pin chuck, expanding into a pre-bored hole. A useful technique for free form edge bowls as you don't have to bore an exact size as with other pin jaws. The longer jaws allow for a very powerful spigot grip for smaller work. Also features a small dovetail which grips work away from chuck face, allowing access to some outside bowl turning.



Jaw Set & Chuck Suitability	Expanding Action Specifications		Contracting Action Specifications			
Suitable Chuck	Min	Max	Square Stock		Spigot Mode	
			Min	Max	Min	Max
Precision Midi*	26	35	7	17	10	19
Nova G3	26	46	7	28	10	31
SuperNova2	26	46	7	28	10	31
Titan	26	57	7	38	10	41

6026 Mini Spigot Jaws

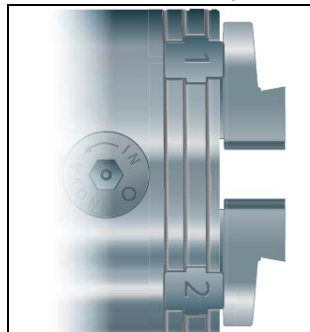


These are powerful spigot jaws for smaller delicate work. The longer jaws allow for strong spigot and precise grip needed for unsupported small, longer work. A dovetail profile allows for expansion into small recesses.



Jaw Set & Chuck Suitability	Expanding Action Specifications		Contracting Action Specifications			
Suitable Chuck	Min	Max	Square Stock		Spigot Mode	
			Min	Max	Min	Max
Precision Midi*	25	45	10	31	8	30
Nova G3	25	45	10	31	8	30
SuperNova2	25	45	10	31	8	30
Titan	25	55	10	41	8	40

6019 35mm (1.35") Bowl Jaws

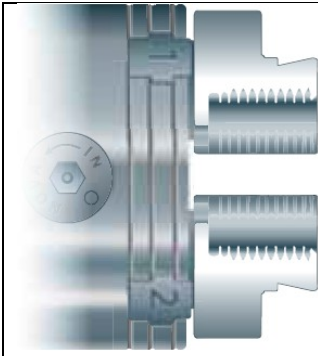


The 35mm bowl jaws fit perfectly into the current jaw range, filling the gap between the 25mm and 50mm. These jaws are perfect for small to medium sizes with maximum grip provided by the dovetail.



Jaw Set & Chuck Suitability	Expanding Action Specifications		Contracting Action Specifications			
Suitable Chuck	Min	Max	Square Stock		Spigot Mode	
			Min	Max	Min	Max
Precision Midi*	38	47	8	18	10	19
Nova G3	38	59	8	29	10	31
SuperNova2	38	59	8	29	10	31
Titan	38	69	8	39	10	41

JS-SP35 35mm (1.35") Spigot Jaws

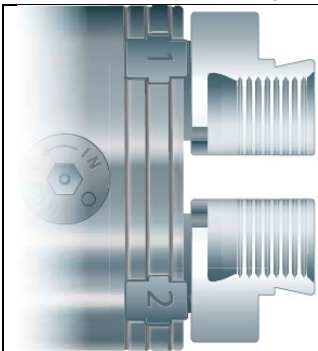


Specially designed to provide a strong contracting grip to unsupported spigot turning applications, e.g. vases and goblets. It can handle spigots from 30mm (13/36") to 50mm (2"). Also features expanding grip mode for bowls.



Jaw Set & Chuck Suitability	Expanding Action Specifications		Contracting Action Specifications			
Suitable Chuck	Min	Max	Square Stock		Spigot Mode	
			Min	Max	Min	Max
Precision Midi*	52	61	25	35	31	40
Nova G3	52	72	25	45	31	50
SuperNova2	52	72	25	45	31	50
Titan	52	83	25	55	31	60

JS-SP45 45mm (1.8") Spigot Jaws

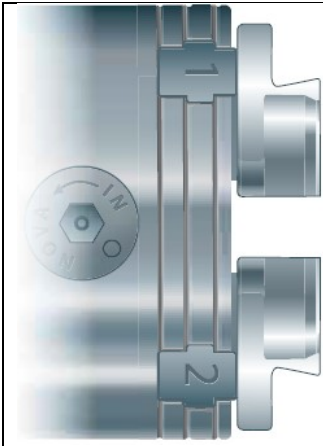


Same style as the 35mm spigot, these jaws provide a strong contracting grip to unsupported spigot turning applications e.g. vases, goblets. Can handle spigots from 38mm (1.5") to 60mm (2.38"). Also, has expanding grip mode for bowls.



Jaw Set & Chuck Suitability	Expanding Action Specifications		Contracting Action Specifications			
Suitable Chuck	Min	Max	Square Stock		Spigot Mode	
			Min	Max	Min	Max
Precision Midi*	52	61	31	40	41	50
Nova G3	52	72	31	51	41	61
SuperNova2	52	72	31	51	41	61
Titan	52	82	31	61	41	71

JS50N 50mm (2") Jaws

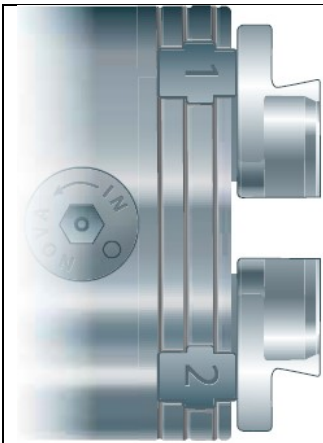


These jaws are standard with the G3 and SuperNova2 chucks. A versatile all round jaw to get you started before moving onto more specialised jaws. It is able to handle both bowl and spigot projects.



Jaw Set & Chuck Suitability	Expanding Action Specifications		Contracting Action Specifications			
Suitable Chuck	Min	Max	Square Stock		Spigot Mode	
			Min	Max	Min	Max
Precision Midi*	51	61	31	41	42	52
Nova G3	51	72	31	52	42	64
SuperNova2	51	72	31	52	42	64
Titan	51	82	31	62	42	73

JS70N 70mm (2.75") Jaws

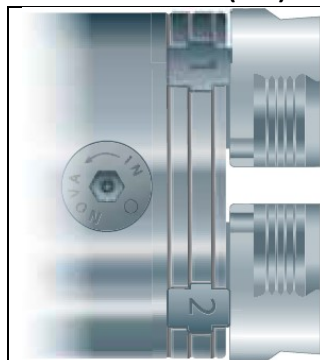


These extremely versatile jaws are a bigger version of the standard 50mm jaws and are particularly suitable for larger work, including hollow forms.



Jaw Set & Chuck Suitability	Expanding Action Specifications		Contracting Action Specifications			
Suitable Chuck	Min	Max	Square Stock		Spigot Mode	
			Min	Max	Min	Max
Precision Midi*	70	90	37	65	56	77
Nova G3	70	90	37	65	56	77
SuperNova2	70	90	37	65	56	77
Titan	70	100	37	75	56	87

6014 75mm (3") Bowl Jaws

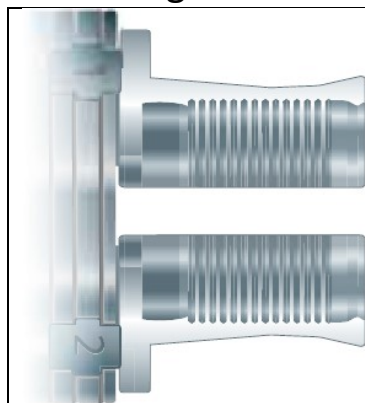


The deep and smooth dovetail walls are three times the thickness of conventional jaw types for rugged work holding for larger/heavier bowl work. The jaw screws go right through the wall section to add more securing force where it is needed the most.



Jaw Set & Chuck Suitability	Expanding Action Specifications		Contracting Action Specifications			
Suitable Chuck	Min	Max	Square Stock		Spigot Mode	
			Min	Max	Min	Max
Precision Midi*	Not Recommended					
Nova G3	81	102	34	55	46.5	67.5
SuperNova2	81	102	34	55	46.5	67.5
Titan	81	112	34	63	46.5	77.5

6017 Long Nosed Jaws

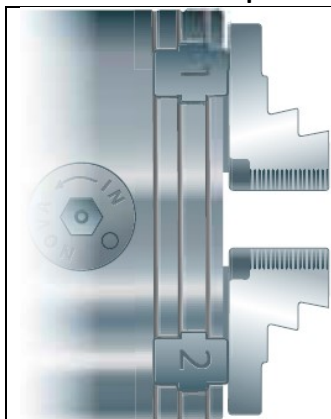


A 50mm (2") rise above their mounting base means a very long reach deep inside of bowls, providing tremendous holding power externally and internally making this a very versatile jaw. Internally features a dovetail grip for holding bowl bases. It is ideal for green wood turning.



Jaw Set & Chuck Suitability	Expanding Action Specifications		Contracting Action Specifications			
Suitable Chuck	Min	Max	Square Stock		Spigot Mode	
			Min	Max	Min	Max
Precision Midi*	Not Recommended					
Nova G3	54	73	29	50	40	60
SuperNova2	54	73	29	50	40	60
Titan	54	85	29	61	40	72

6025 Mini Step Jaws

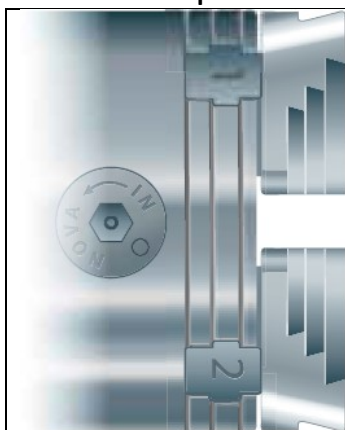


These multi-purpose dual grip jaws are designed to grip small to medium sized recesses in expansion, as well as smaller spigots in contraction, such as pen blanks.



Jaw Set & Chuck Suitability	Expanding Action Specifications		Contracting Action Specifications			
Suitable Chuck	Min	Max	Square Stock		Spigot Mode	
			Min	Max	Min	Max
Precision Midi Step 1	27	49	Not Applicable		Not Applicable	
Precision Midi Step 2	37	58	9	28	10.5	31.5
Nova G3 Step1	27	49	Not Applicable		Not Applicable	
Nova G3 Step2	37	58	9	28	10.5	31.5
SN2 Step 1	27	49	Not Applicable		Not Applicable	
SN2 Step 2	37	58	9	28	10.5	31.5
Titan Step1	27	59	Not Applicable		Not Applicable	
Titan Step2	37	69	9	38	10.5	41.5

JS75DT Step Jaws



Great for gripping the base of footed bowls in the contracting mode. Three step sizes provide optimum gripping for three base sizes with minimal crush damage to the wood. Optimum step sizes: 42mm (1.65"), 50mm (2") and 64mm (2.5").



Jaw Set & Chuck Suitability	Expanding Action Specifications		Contracting Action Specifications	
Suitable Chuck			Square Stock	Spigot Mode

	Min	Max	Min	Max	Min	Max
Precision Midi*	Not Recommended		Not Recommended		Not Recommended	
Nova G3 Step 1	Not Applicable		30	51	41.5	62.5
Nova G3 Step 2	Not Applicable		36	57	50.5	71.5
Nova G3 Step 3	77.5	97.5	45	66	63.5	83.5
SN2 Step1	Not Applicable		30	51	41.5	62.5
SN2 Step2	Not Applicable		36	57	50.5	71.5
SN2 Step3	77.5	97.5	45	66	63.5	83.5
Titan Step1	Not Applicable		30	61	41.5	73.5
Titan Step2	Not Applicable		36	67	50.5	81.5
Titan Step3	77.5	108.5	75	76	63.5	93.5

JS100N 100mm (4") Jaws

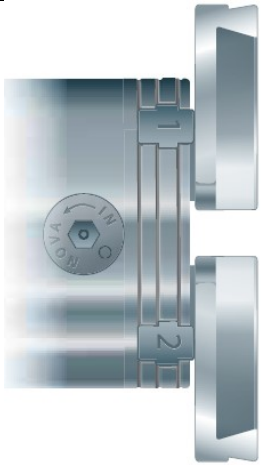



Designed for expanded dovetail, reverse dovetail and for gripping footed bowls, this is one of our most popular jaws mount 12-14" bowls. It can also mount false wooden jaws, so customised jaws can be made for special purposes.



Jaw Set & Chuck Suitability	Expanding Action Specifications		Contracting Action Specifications			
Suitable Chuck	Min	Max	Square Stock		Spigot Mode	
			Min	Max	Min	Max
Precision Midi*	Not Recommended					
Nova G3	97	118	56	77	78	99
SuperNova2	97	118	56	77	78	99
Titan	97	128	56	87	78	109

JS130N 130mm (5") Jaws

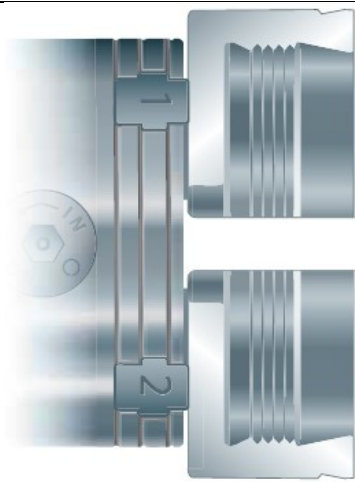


The big brother to the 100mm jaw set, designed to handle larger shallow bowl and platter work up to 750mm (29.50") in diameter. An ideal jaw for the SuperNova2 (the power of this chuck matches the big capacity of these jaws).



Jaw Set & Chuck Suitability	Expanding Action Specifications		Contracting Action Specifications			
Suitable Chuck	Min	Max	Square Stock		Spigot Mode	
			Min	Max	Min	Max
Precision Midi*	Not Recommended					
Nova G3	Not Recommended					
SuperNova2	127	147	77	97	107	128
Titan	127	157	77	107	107	138

PJSN Powergrip Jaws



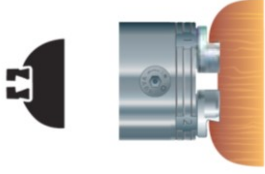
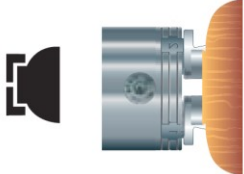
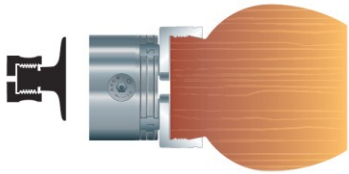
The most powerful jaw available for large spigot/ hollow form turning on the Supernova², it is also a multi - purpose jaw for bowl turners and hollow form turners. Dovetail sizes fit neatly between the 75mm (3") and the 130mm (5") jaw sets.



Jaw Set & Chuck Suitability	Expanding Action Specifications		Contracting Action Specifications			
Suitable Chuck	Min	Max	Square Stock		Spigot Mode	
			Min	Max	Min	Max
Precision Midi*	Not Recommended					
Nova G3	Not Recommended					
SuperNova2	95	116	55	76	77	98
Titan	95	126	55	86	77	108

How chucks work

All chuck jaws, except some specialist jaws, feature combinations of the general functions shown below. These combinations and their capacities make each jaw set suitable for a variety of unique as well as general functions, meaning that each jaw set offers excellent value for money and flexibility.

		
<p>Expansion Function</p> <p>The dovetail profile of the jaws provides an excellent way to grip workpieces from the inside, for example when a visible spigot is not desired on bowls. Deeper jaws are suited to other projects, such as pepperpots.</p>	<p>Contraction Function</p> <p>Another popular method of holding bowls is to grip a spigot (or base) from the outside. The jaws also feature a dovetail profile for this external gripping function to ensure a strong, secure hold on the workpiece. External gripping can be used for a variety of projects from bowls to large hollow vessels such as vases.</p>	<p>Gripping Function</p> <p>Some jaws in the range feature teeth on the inner walls of the jaws, making them ideal for a variety of uses from holding irregular timber such as green wood and logs to holding very large and heavy workpieces which can be parted off when complete.</p>