



Pratt Burnerd

World leading Chucks and Chucking Systems



SCROLL & INDEPENDENT CHUCKS



Super Precision Chucks

Widely used for many years on the world's most popular manual lathes, the Pratt Burnerd Super Precision chuck is **ideal for all high speed applications**. The body is made from high strength nodular iron with hardened and ground jaw strips for extended working life. Through the body mounting holes allow for easy fitting and a wide range of fully machined adaptor plates to suit most common spindle noses are readily available.

Exceeds ISO 3089: 1991 (E) Class I

Chuck	Body Dia	Recess Dia	Bore Dia	Body Width	Jaw Height from body	Recess Depth	Mount hole PCD	Mounting Bolts	Chuck Weight	Capacity Min	Capacity Max	Max Speed	Input Toque Nm	Static grip per jaw DaN
Model	A	B	C	D	E	F	G	K	Kg	mm	mm	RPM	Nm	DaN
9210-00805	80mm	63.5	19	45	13	3	71.3	M5	1.7	1	76	5000	28	580
9210-01005	100mm	76.2	25.4	51.3	17	3	89	M6	2.9	1	98	5000	38	715
9210-01305	125mm	95	35	57	19	4	108	M8	4.7	1.5	124	5000	52	805
9210-01705	160mm	125	45.9	63.9	23	4	140	M10	8.6	1.5	160	4900	75	1115
9210-02005	200mm	160	54.8	74.2	29	4	176	M10	15.6	2	200	4200	115	1560
9210-02505	250mm	200	76	82.2	33	5	224	M12	27	3	250	3300	156	1865
9210-03205	315mm	260	105	91	40	5	286	M12	45	6	304	2700	203	2230
9210-04005	400mm	330	136	100.7	50	5	362	M16	83	10	406	2000	203	2450



Standard Accuracy Chucks

Introduced as an **economic alternative** to the Super Precision chuck, these slightly slower rated chucks are an ideal replacement for fitting to an older lathe where high speed and super accuracy are not such an issue. They also have a body made from high strength nodular iron with hardened and ground jaw strips and convenient, through the body mounting holes. These chucks use the same wide range of ready to fit adaptor plates as Super Precision chucks.

ISO 3089: 1991 (E) Class II

Chuck	Body Dia	Recess Dia	Bore Dia	Body Width	Jaw Height from body	Recess Depth	Mount hole PCD	Mounting Bolts	Chuck Weight	Capacity Min	Capacity Max	Max Speed	Input Toque Nm	Static grip per jaw DaN
Model	A	B	C	D	E	F	G	K	Kg	mm	mm	RPM	Nm	DaN
9580-00805	80mm	63.5	19	45	13	3	71.3	M5	1.7	1	76	4000	28	580
9580-01005	100mm	76.2	25.4	51.3	17	3	89	M6	2.9	1	98	3800	38	715
9580-01305	125mm	95	35	57	19	4	108	M8	4.7	1.5	124	3700	52	805
9580-01705	160mm	125	45.9	63.9	23	4	140	M10	8.6	1.5	160	3500	75	1115
9580-02005	200mm	160	54.8	74.2	29	4	176	M10	15.6	2	200	3200	115	1560
9580-02505	250mm	200	75.9	82.2	33	5	224	M12	27	3	250	3000	156	1865
9580-03205	315mm	260	105	91	40	5	286	M12	45	6	304	2300	203	2230
9580-04005	400mm	330	136	100.7	50	5	362	M16	83	10	406	2000	203	2450
9580-05105	500mm	420	190	120	54	8	458	M16	140	15	490	1100	203	2450



3 Jaw Griptru Chucks

Often used in grinding operations, these chucks allow the operator to re-align the front body of the chuck and therefore the workpiece in relation to the spindle nose, thus **giving increased accuracy** of within 0.005mm. The chuck will then grip subsequent workpieces of the same diameter within 0.013mm. They can be used as normal chucks by leaving the front body in the centered position. Adaptor plates are available on request following minor modification from the standard design.

Exceeds ISO 3089: 1991 (E) Class I

Chuck	Body Dia	Recess Dia	Bore Dia	Body Width	Jaw Height from body	Recess Depth	Mount hole PCD	Mounting Bolts	Chuck Weight	Gripping Min	Capacity Max	Max Speed
Model	A	B	C	D	E	F	G	K	Kg	mm	mm	RPM
9250-00805	80mm	63.5	19	54	13	12	71.3	M5	2	1	76	5000
9250-01005	100mm	76.2	25.4	56.6	17	12	89	M6	3.1	1	98	5000
9250-01305	125mm	95	35	69	19	15	108	M8	5.4	1.5	124	5000
9250-01705	160mm	125	45.9	78.6	23	20	140	M10	9.6	1.5	160	4900
9250-02005	200mm	160	54.8	89.8	29	22	176	M10	16.8	2	200	4200
9250-02505	250mm	200	75.9	101.3	33	25	224	M12	31.7	3	250	3300
9250-03205	315mm	260	102.8	110	40	25	286	M12	47.4	6	304	2700



6 Jaw Griptru Chucks

Chucks with 6 jaws are used to **reduce distortion** in thin walled components, or to spread the gripping force more evenly, giving a better finish in grinding operations. These chucks allow the operator to re-align the front body of the chuck and therefore the workpiece in relation to the spindle nose, thus giving increased accuracy of within 0.005mm. The chuck will then grip subsequent workpieces of the same diameter within 0.013mm. Griptru chucks can be used as normal chucks, simply by leaving the front body in the central position. Adaptor plates are available on request following minor modification from the standard design.

Exceeds ISO 3089: 1991 (E) Class I

Chuck	Body Dia	Recess Dia	Bore Dia	Body Width	Jaw Height from body	Recess Depth	Mount hole PCD	Mounting Bolts	Chuck Weight	Gripping Min	Capacity Max	Max Speed
Model	A	B	C	D	E	F	G	K	Kg	mm	mm	RPM
9260-01305	125mm	95	35	69	19	15	108	M8	6.2	1.5	124	5000
9260-01705	160mm	125	45.9	78.6	23	20	140	M10	11	1.5	160	4900
9260-02005	200mm	160	54.8	89.8	29	22	176	M10	18.9	2	200	4200
9260-02505	250mm	200	75.9	101.3	33	25	224	M12	36.7	3	250	3300
9260-03205	315mm	260	102.8	110	40	25	286	M12	53.4	6	304	2700



4 Jaw Independent Chucks

Precision manufactured with a high strength nodular iron body, these chucks have a unique jaw and jaw-way design adding extra bearing surfaces to significantly increase the chucks life and rigidity. They are fitted with hardened operating screws and solid reversible hard jaws. Front mounting holes allow for easy fitting, whilst a wide range of fully machined adaptor plates to suit most common spindle noses are readily available.

Chuck	Body Dia	Recess Dia	Bore Dia	Body Width	Jaw Height from body	Recess Depth	Mount hole PCD	Mounting Bolts	Chuck Weight	Gripping Min	Capacity Max	Max Speed
Model	A	B	C	D	E	F	G	K	Kg	mm	mm	RPM
9500-01701	160mm	125	45	54	22	4	140	M10	5.6	8	127	3000
9500-02001	200mm	125	50	72	32	4	140	M10	14	8	178	2300
9500-02501	250mm	200	60	72	32	5	224	M12	19.5	13	203	1700
9500-03201	315mm	200	75	80	36	5	224	M12	32.5	13	254	1500
9500-03501	350mm	260	75	91	37	5	286	M12	46	19	305	1300
9500-04101	400mm	260	100	91	37	5	286	M12	60	19	356	1300

Adaptors

Scroll Chuck Adaptors

Cam lock	D1-3	D1-4	D1-5	D1-6	D1-8	D1-11
100mm	8271-10222					
125mm	8271-13222	8271-13223				
160mm	8271-17222	8271-17223	8271-17224	8271-17225	8271-17226	
200mm	8271-20222	8271-20223	8271-20224	8271-20225	8271-20226	8271-20227
250mm		8271-25223	8271-25224	8271-25225	8271-25226	8271-25227
315mm				8271-32225	8271-32226	8271-32227
400mm				8271-40225	8271-40226	8271-40227
500mm						8271-50227

Independent Chuck Adaptors

Cam lock	D1-3	D1-4	D1-5	D1-6	D1-8	D1-11
160mm	8271-17222	8271-17223	8271-17224	8271-17225	8271-17226	
200mm	8271-17222	8271-17223	8271-17224	8271-17225	8271-17226	
250mm		8271-25223	8271-25224	8271-25225	8271-25226	8271-25227
315mm		8271-25223	8271-25224	8271-25225	8271-25226	8271-25227
350mm				8271-32225	8271-32226	8271-32227
400mm				8271-32225	8271-32226	8271-32227

Other Standard spindle nose adaptors are available on request. ie A Type, Long taper, and DIN types.



Certificate No. FM12345

Illustrations and specifications are not binding in detail. The designs are subject to modification and improvement without notice.