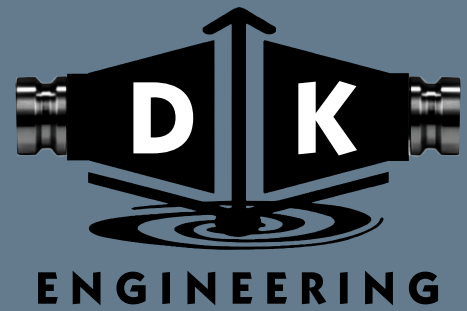


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WELCOME TO **DK ENGINEERING**

DK Engineering provides solutions for all work holding problems on CNC Machines in metal-working Industry. We have a wide range of Work Holding Tools which Includes Hydraulic Rotary Power Chuck, Pneumatic Rotary Power Chuck, CNC Machine Collet Chuck, 3 Jaw Rotary Power Chuck 2 Jaw Power Chuck, Front Mounted Pneumatic Chuck to suit customers' specific requirements. Apart from the above we also manufacture Jigs & Fixtures & Roller Burnishing Tools etc.

Our products have achieved a high level of precision, and quality control at competitive costing. This high product quality coupled with excellent service levels has made us a supplier of choice globally. Quality products on affordable price is our business motto.

Our Mission

- ✓ To provide high quality products with competitive costing and short lead times, so as to establish a successful relationship with our customers and business partners.
- ✓ To establish strategic business solutions for win - win partnership
- ✓ To be a top-quality supplier and solution provider for our customer working at international standards.

Our Vision

- ✓ To be an organization which is the first choice both for our customers and employees in the global manufacturing sector.

DK Engineering **WORKSHOP**



ENABLED US TO SERVE SECTORS LIKE



Machine Tools Industries



Power Industries



Agriculture Equipment



Hydraulic Industries



Defence & Railways



Automation Industries



Valve & Pump Industries

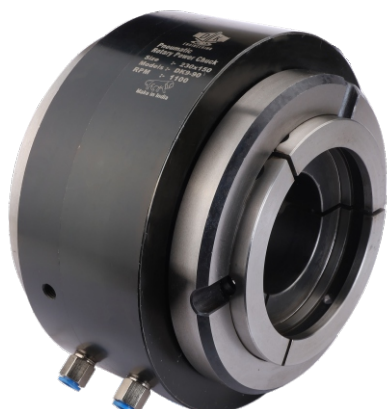


Steel Plant

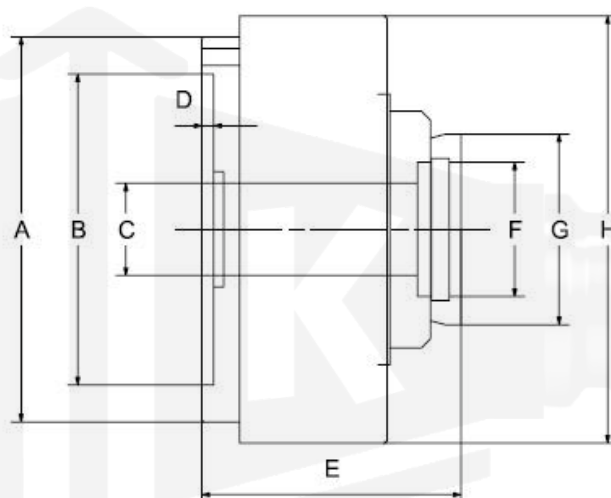
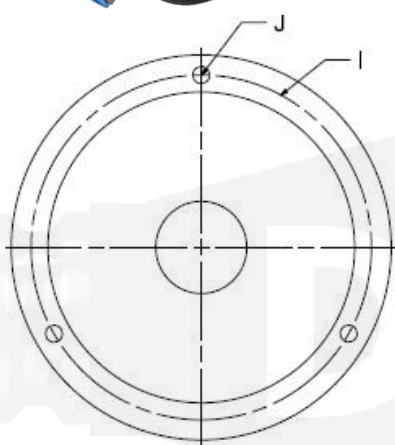
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Jaw Type Pneumatic Chuck



- ✓ Built in rotary cylinder
- ✓ No draw tube required
- ✓ No rotary cylinder required
- ✓ Extra large piston
- ✓ Provide high clamping force
- ✓ Center through hole
- ✓ Facility auto feeding
- ✓ Solution for manual lathe into automation
- ✓ No fluid direct to the chuck body

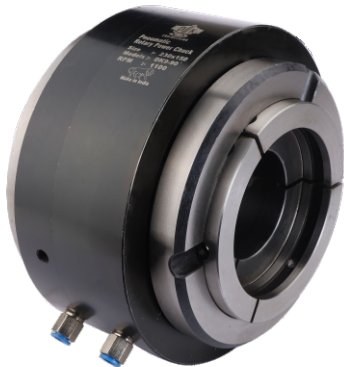


Technical Specifications

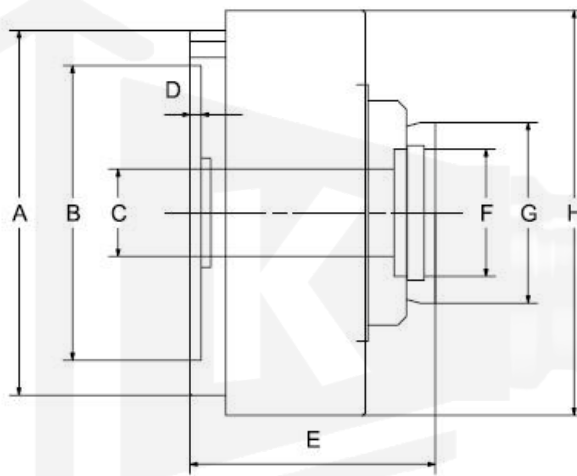
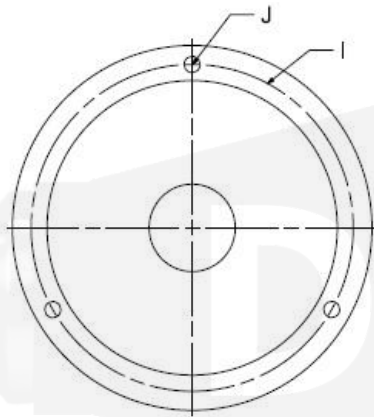
Model	DK5-25	DK7-45	DK7-65	DK9-90
A	135 (5.31")	192 (7.56")	192 (7.56")	230 (9.06")
B	100 (3.94")	155 (6.10")	155 (6.10")	190 (7.48")
C	27 (1.06")	47 (1.85")	68 (2.68")	88 (3.52")
D	4 (0.16")	5 (0.20")	5 (0.20")	6 (0.24")
E	105 (4.13")	128 (5.04")	142 (5.60")	150 (5.91")
F	45 (1.77")	65 (2.56")	105 (4.13")	105 (4.13")
G	68 (2.68")	94 (3.70")	168 (6.61")	136 (5.35")
H	170 (6.69")	212 (8.35")	266 (10.47")	232 (9.13")
I(P.C.D.)	115 (4.53")	172 (6.77")	172 (6.77")	210 (8.27")
J	3H-M8xP1.25	3H-M10xP1.5	3H-M10xP1.5	3H-M12xP1.75
Collet/Jaw	C-25 Jaw	C-45 Jaw	C-65 Jaw	C-90 Jaw
Air/Hydro	Air	Air	Air	Air
Operating Pressure	2-9kg/cm ² (28-130 psi)	2-9kg/cm ² (28-130 psi)	2-9kg/cm ² (28-130 psi)	10-15kg/cm ² (143-214 psi)
Max. RPM	1800	1600	1400	1100
Capacity	25mm / 32mm (0.98"/1.26")	45mm / 50mm (1.77"/1.97")	68mm / 90mm (2.68"/3.54")	88mm / 88mm (3.52"/3.52")
Piston Area	115 cm ² (17.8in ²)	182 cm ² (28.2in ²)	328 cm ² (50.8in ²)	328 cm ² (50.8in ²)
Clamp Force	2254kgf@7kg/cm ² (4958lbf@100psi)	3567kgf@7kg/cm ² (7847lbf@100psi)	6429kgf@7kg/cm ² (14143lbf@100psi)	6429kgf@7kg/cm ² (14143lbf@100psi)
Weight	8.0 kgs (16.5lbs)	16.0 kgs (33.0lbs)	23.0 kgs (49.5lbs)	23.0 kgs (49.5lbs)

ROTARY POWER CHUCK

Jaw Type Hydraulic Chuck



- ✓ Built in rotary cylinder
- ✓ No draw tube required
- ✓ No rotary cylinder required
- ✓ Extra large piston
- ✓ Provide high clamping force
- ✓ Center through hole
- ✓ Facility auto feeding
- ✓ Solution for manual lathe into automation
- ✓ No fluid direct to the chuck body

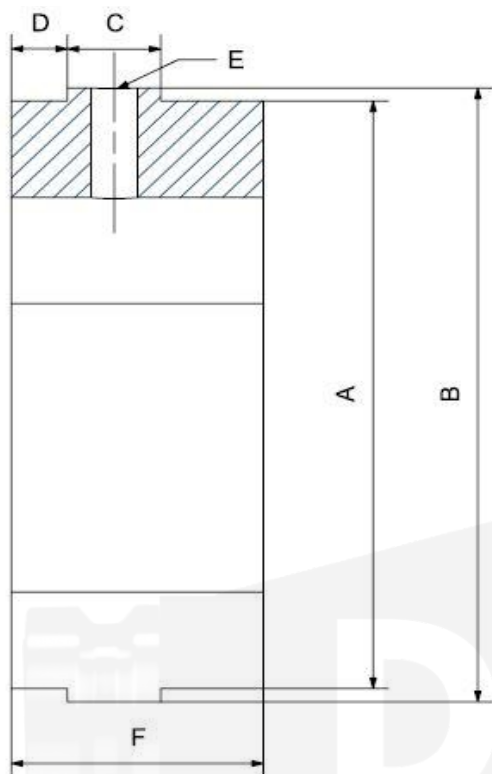


Technical Specifications

Model	DK5-25	DK7-45	DK7-65	DK9-90	DK9-120
A	135 (5.31")	192 (7.56")	192 (7.56")	230 (9.06")	230 (9.06")
B	100 (3.94")	155 (6.10")	155 (6.10")	190 (7.48")	190 (7.48")
C	26 (1.02")	45 (1.77")	68 (2.68")	88 (3.52")	120 (4.72")
D	4 (0.16")	5 (0.20")	5 (0.20")	6 (0.24")	6 (0.24")
E	105 (4.13")	128 (5.04")	142 (5.60")	150 (5.91")	160 (6.30")
F	45 (1.77")	65 (2.56")	105 (4.13")	105 (4.13")	140 (5.51")
G	68 (2.68")	94 (3.70")	136 (5.35")	136 (5.35")	168 (6.61")
H	138 (5.43")	192 (7.56")	211 (8.31")	232 (9.13")	275 (10.83")
I(P.C.D.)	115 (4.53")	172 (6.77")	172 (6.77")	210 (8.27")	210 (8.27")
J	3H-M8xP1.25	3H-M10xP1.5	3H-M10xP1.5	3H-M12xP1.75	3H-M12xP1.75
Collet/Jaw	C-25 Jaw	C-45 Jaw	C-65 Jaw	C-90 Jaw	C-120 Jaw
Air/Hydro	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Operating Pressure	10-25kg/cm ² (143-357psi)	10-20kg/cm ² (143-286 psi)	10-20kg/cm ² (143-286psi)	10-15kg/cm ² (143-214psi)	10-15kg/cm ² (143-214psi)
Max. RPM	1800	1600	1400	1100	900
Capacity	25mm/32mm (0.98"/1.26")	45mm / 50mm (1.77"/1.97")	68mm/90mm (2.68"/3.54")	88mm/88mm (3.52"/3.52")	118mm/118mm (4.65"/4.65")
Piston Area	56cm ² (8.68in ²)	90 cm ² (13.9in ²)	116cm ² (18.0in ²)	132cm ² (20.5in ²)	183cm ² (28.4in ²)
Clamp Force	2508kgf@16kg/cm ² (5519lbf@228psi)	4032kgf@16kg/cm ² (8870lbf@228psi)	5197kgf@16kg/cm ² (11433lbf@228psi)	5913kgf@16kg/cm ² (13009lbf@228psi)	6148kgf@12kg/cm ² (13528lbf@171psi)
Weight	5.50kgs (12.12lbs)	12.0 kgs (26.45lbs)	19.0kgs (41.88lbs)	25.2kgs (55.55lbs)	32.0kgs (70.54lbs)

ROTARY POWER CHUCK

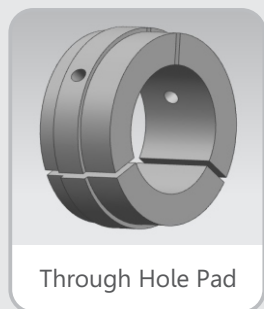
Jaw Pad for Rotary Power Chuck



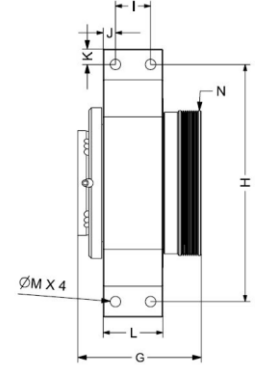
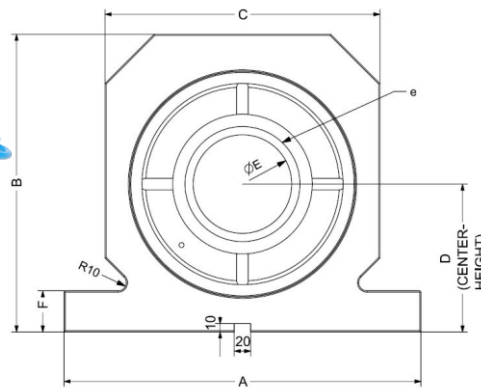
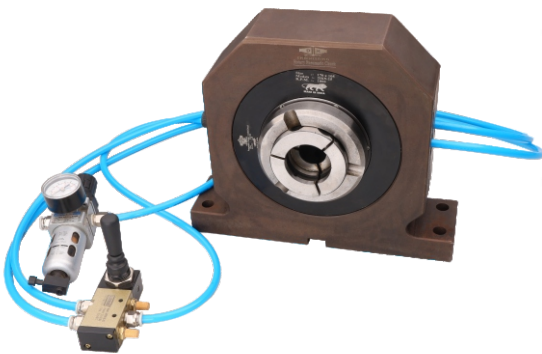
Technical Specifications

Model	DK-25	DK-45	DK-65	DK-120
A	45mm (1.77")	65mm (2.56")	105mm (4.13")	140mm (5.51")
B	47.5mm (1.87")	67.5mm (2.66")	107.5mm (4.23")	143.5mm (5.65")
C	7mm (0.28")	9mm (0.35")	9mm (0.35")	9mm (0.35")
D	5.0mm (0.20")	6.0mm (0.24")	6.0mm (0.24")	6.0mm (0.24")
E	M5x3	M6x3	M6x3	M6x4
Suitable Chuck Model	DK5-25	DK7-45	DK7-65/ DK9-90	DK9-120

Harden Jaw Pad in Various Shape



ROTARY POWER CHUCK WITH HEAD



- ✓ Built in rotary cylinder.
- ✓ No draw tube required.
- ✓ No rotary cylinder required.
- ✓ Extra large piston.
- ✓ Provide high clamping force.
- ✓ Center through hole.
- ✓ It able to arrange auto feeding.
- ✓ Best budget solution for manual lathe into automation.
- ✓ No fluid direct to the chuck body.

Technical Specifications

Model	DK5-25	DK7-45	DK7-65	DK9-90	DK9-120
Collet/Jaw	C-25 jaw	C-45 jaw	C-65 jaw	C-90 jaw	C-120 jaw
Air/hydro	Air/Hydro	Air/Hydro	Air/Hydro	Air/Hydro	Air/Hydro
Operating Pressure	10-25 kg/cm ² (143-357 psi)	10-20 kg/cm ² (143-286 psi)	10-20 kg/cm ² (143-286 psi)	10-15 kg/cm ² (143-214 psi)	10-15 kg/cm ² (143-214 psi)
Max. R.P.M.	1800	1600	1400	1100	900
Capacity	25 mm/32 mm (0.98"/1.26")	45 mm/50 mm (1.77"/1.97")	68 mm/90 mm (2.68"/3.54")	88 mm/88 mm (3.52"/3.52")	118 mm/118 mm (4.65"/4.65")
Piston Area	56 cm ² (8.68in ²)	90 cm ² (13.9in ²)	116 cm ² (18.00in ²)	132 cm ² (20.50in ²)	183 cm ² (28.40in ²)
Clamp Force	2508 kgf@ 16 kg/cm ² (5519 lbf@228 psi)	4032 kgf@ 16 kg/cm ² (8870 lbf@228 psi)	5197 kgf@ 16 kg/cm ² (11433 lbf@228 psi)	5913 kgf@ 16 kg/cm ² (13009 lbf@228 psi)	6148 kgf@ 12 kg/cm ² (13528 lbf@171 psi)
Weight	30.0 kgs (66.14 lbs)	55.30 kgs (121.92 lbs)	61.30 kgs (135.14 lbs)	67.7 kgs (149.40 lbs)	101.20 kgs (223.11 lbs)

Technical Dimension

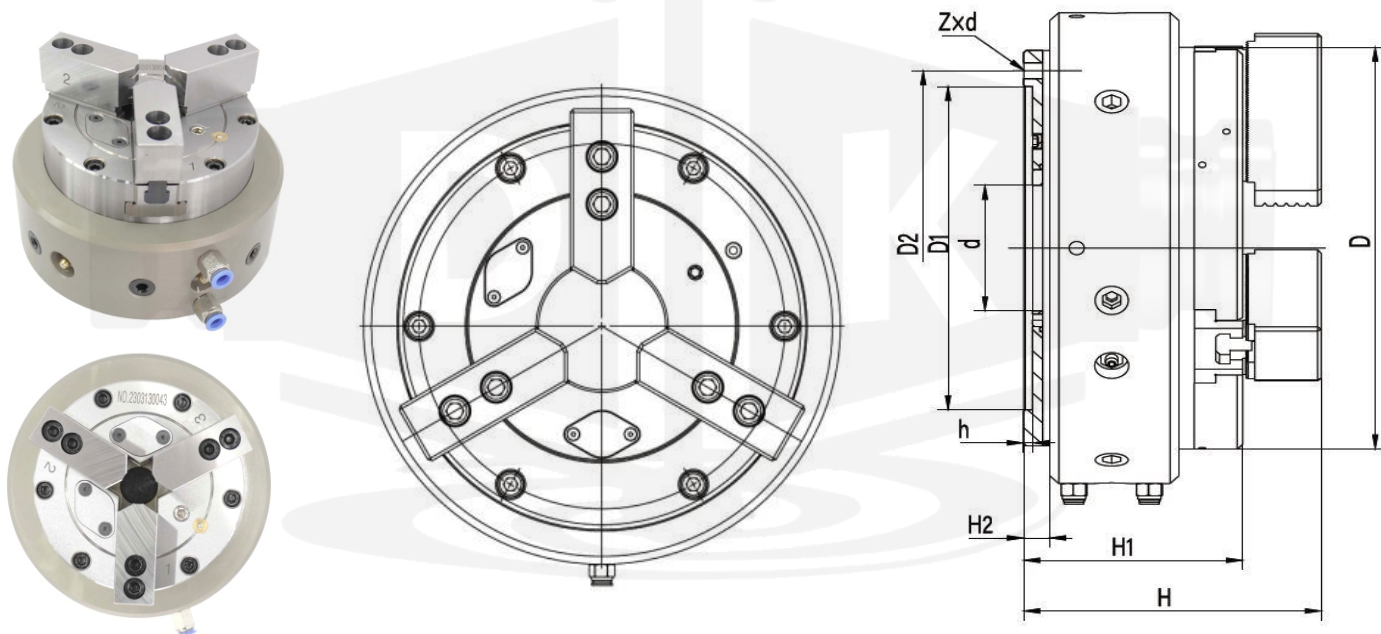
Model	DK5-25	DK7-45	DK7-65	DK9-90	DK9-120
A	280	360	360	360	435
B	235	280	280	280	363
C	220	300	300	300	335
D	125	150	150	150	180
E	26	45	68	90	120
e	45	65	105	105	140
F	30	30	30	30	50
G	129	174	176	196	204
H	250	330	330	330	385
I	40	34	45	45	57
J	15	20	20	20	20
K	15	15	15	15	25
L	70	74	85	85	97
M	13	17	17	17	17
N	135	190	190	235	235

3-JAW PNEUMATIC CHUCK

Pneumatic power chucks from the perfect alternative if the chuck is not to be actuated manually or via hydraulics. The chucks have an integrated pneumatic cylinder, via which the chuck can be actuated in the event of a shutdown. The power lathe chucks have an extremely large chuck bore, which is perfect for machining large, long pipes.

► Features ◀

- ✓ Precision wedge hook pneumatic chuck for top quality demands
- ✓ Large through-hole
- ✓ Optimized lubrication system
- ✓ Pneumatic cylinder integrated in the chuck
- ✓ High clamping forces at system pressure



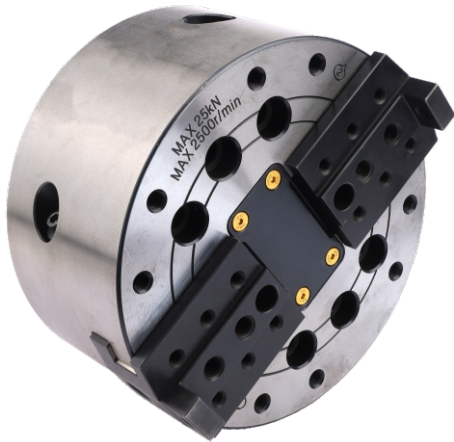
► Technical Specifications ◀

Model	Jaw Stroke t (Diameter)	Max. gripping force (kN)	Max. bracing force (kN)	Allowable pressure (Mpa)	Limited rotating speed (r/min)	Clamping range	Bracing range	Net weight (kg)
DK130-05"	3.7	20.4	10.3	0.4~0.8	3000	2-130	10-140	15
DK160-06"	4.2	31.5	14.9	0.4~0.8	2300	2-170	20-180	20
DK200-08"	4.5	46.7	24.2	0.4~0.8	1850	5-210	20-240	36
DK250-10"	5.4	62.4	32.6	0.4~0.8	1500	10-260	30-280	50

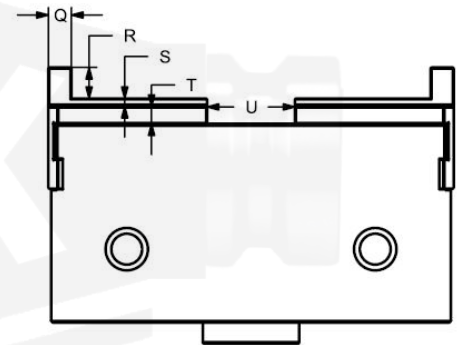
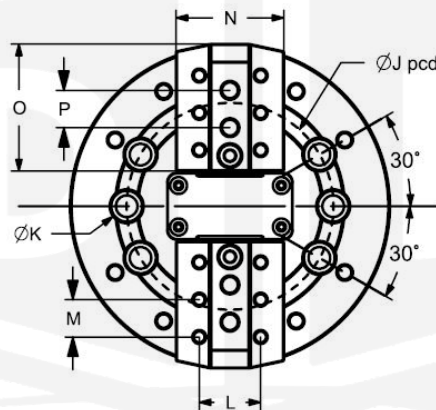
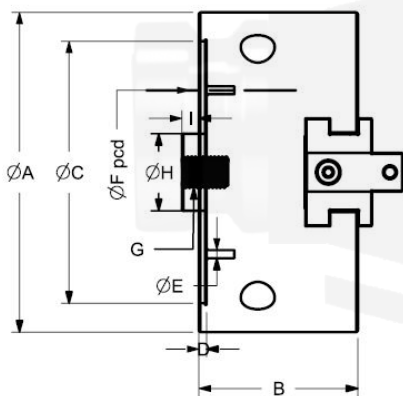
► Technical Dimension ◀

Model	D	D1	D2	d	H	H1	H2	h	Z x d
DK130-05"	135	95	108	25	133	101.5	6.5	5	3-M8
DK160-06"	175	130	142	35	143	107	4.5	5	3-M8
DK200-08"	214	165	180	52	155	115	10	5	3-M10
DK250-10"	256	206	226	80	166	122	14.5	5	3-M12

2-JAW POWER CHUCK



- ✓ 2.Jaw long stroke power chucks gripping typical unconventional formation components.
- ✓ It can be operated using standard stroke hydraulic cylinder.
- ✓ Power operated hollow high speed chuck.
- ✓ High rigidity and high repeatability precision.
- ✓ Deliver up to 20% more speed, gripping force, and bore size when compared to conventional chucks,
- ✓ Chuck offer further advantage of less weight and low inertia which have positive and dynamic effect of Spindle.



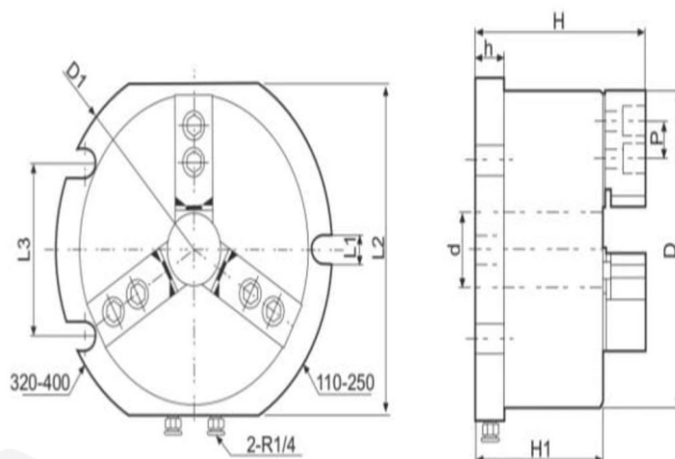
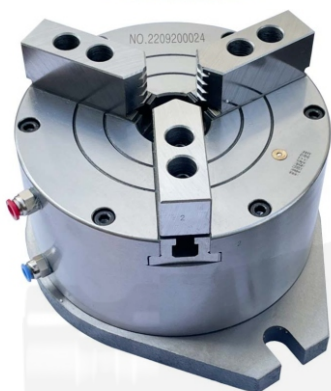
Technical Specifications

Model	Jaw Stroke (dia)	Plunger Stroke	Max Draw Bar Pull	Max Gripping Force	Max Speed (RPM)	Chuck Weight	Hydraulic Cylinder
C-160	20 mm	29 mm	1800 kgf	5000 kgf	4000	14 kg	105
C-200	19 mm	29 mm	2500 kgf	6800 kgf	3500	25 kg	120
C-250	19 mm	29 mm	3100 kgf	9500 kgf	3000	30 kg	130

Technical Dimension

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
C-160	169	90	140	5	4xM6	125	M20x2.5P	40	8	108.4	6xM10	30	24	58	69	20	12	16	4	9	44
C-200	207	103	170	5	4xM6	106.3	M20x2.5P	50	11	133.4	6xM12	40	24	70	82	24	12	16	4	9	46
C-250	254	108	220	5	4xM6	190	M20x2.5P	60	15	171.45	6xM16	50	25	90	101	25	15	19	7	15	56

VMC Stationary Front-Mounted 3 - Jaw Stationary Pneumatic Chuck



Technical Dimension

Models	D	D1	d	L1	L2	L3	H	H1	h	p
DK3-05L	135	175	20	2/15	140	/	120	97	26	14
DK3-06L	180	218	35	2/17	180	/	142	109	26	20
DK3-08L	208	265	40	2/17	220	/	155	115	26	25
DK3-10L	252	310	60	2/20	260	/	157	115	26	30
DK3-12L	322	400	80	4/20	340	150	185	133	30	30

Technical Specifications

Models	Jaw Stroke (Dia.)(mm)	Maximum Static Clamping Force (KGF)	Maximum Static Holding Force (KGF)	Permissible Pressure (MPa)	Clamping Range	Holding Range	Net Weight (KG)
DK3-05L	3.7	1630	1020	0.4-0.8	5-130	15-140	11
DK3-06L	4.2	3060	2240	0.4-0.8	5-170	20-180	18
DK3-08L	5	4890	3670	0.4-0.8	10-210	25-230	28
DK3-10L	6.5	6830	5100	0.4-0.8	20-250	30-260	40
DK3-12L	8.5	10910	8160	0.4-0.8	30-320	40-340	75



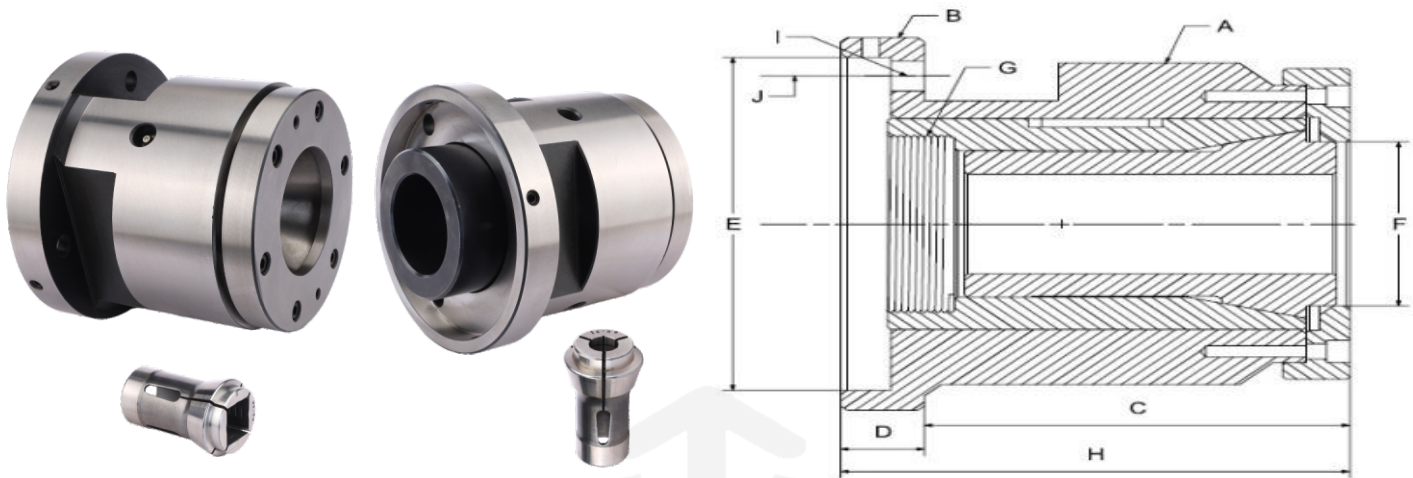
- ✓ Stainless Steel Chuck Body.
- ✓ Dead length design no axial movement.
- ✓ Cost effective stationary collet chuck.
- ✓ High resistant to chips, fluid and dust.
- ✓ High rigidity.
- ✓ Long product life.

Technical Specifications

Model	A-25	A-42	A-60
A	109	109	155
B	188	199	210
C	74	76	130
D	48	48	51
E	122	124	181
F	4-M12	4-M12	4-M12
G	162	176	185
Collet/Jaw	YB-25 Collet	YB-40 Collet	YB-60 Collet
Air/Hydro	Air	Air	Air
Operating Pressure	3-15 kg/cm ² (43-214psi)	3-8 kg/cm ² (43-114psi)	3-8 kg/cm ² (43-144psi)
Max. Capacity	25 mm	40 mm	60 mm
Gripping Torque	6 kgf-m (43 lbf-ft)	6 kgf-m (43 lbf-ft)	7 kgf-m (50 lbf-ft)
Net Weight	19 kg	20 kg	33 kg

Note : Customized design can also make as per requirement.

CNC Machine Collet Chuck



CNC machine collet chucks are essential tools in the precision machining industry, providing the necessary grip and accuracy required for various CNC machining processes. The choice of collet chuck type and proper maintenance play a significant role in achieving high-quality results in CNC machining operations. User Friendly Installation, Higher precise and easier operations.

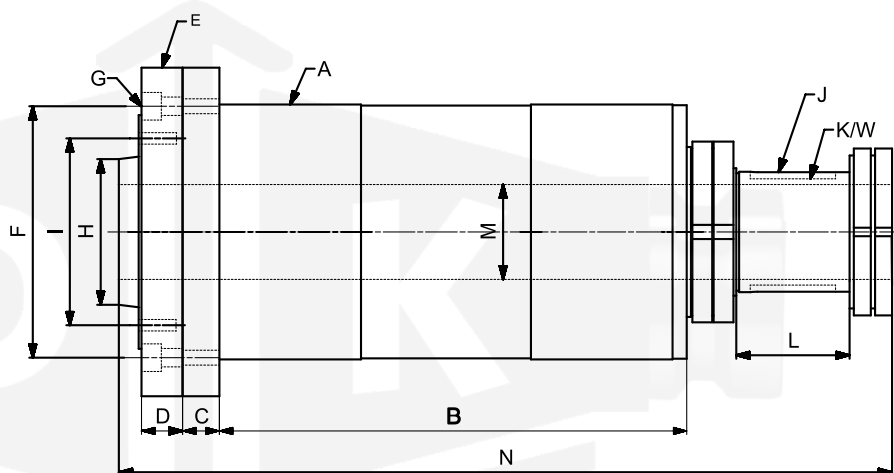
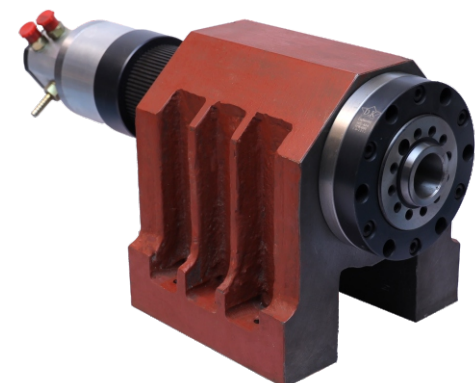
► Technical Specifications ◀

Model	A-25	A-42	A-60	A-80
Installation from	A2-4	A2-5	A2-6	A2-8
A	100	110	135	190
B	130	165	168	220
C	80	111	117	138
D	20	25	25	31
E	110	130	150	180
F	55	72	92	95
G	36x1.5	60x2	80x2	90x2
H	100	136	142	169
I	3-M10	3-M10	3-M12	3-M12
J	95	110	133.4	160
K	25	42	60	80
Collet Model	A-25	A-42	A-60	A-80
Sleeve Axial Stroke	5 mm	5 mm	5 mm	5 mm
Max. Capacity	25 mm	42 mm	60 mm	80 mm
Max. Pull Force	2400 kgf (5280 lbf)	2400 kgf (5280 lbf)	3000 kgf (6600 lbf)	3300 kgf (7260 lbf)
Max.Gripping Force	4200 kgf (9240 lbf)	4200 kgf (9240 lbf)	5250 kgf (11550 lbf)	5775 kgf (12705 lbf)
Max.Speed(RPM/Min.)	7000	6000	5000	4000
Net Weight	7.5 kg	11.5 kg	17.5 kg	22.5 kg

Note : Customized design can also make as per requirement.

Features of Spindle :

- ✓ The components of spindle are Hardened & Ground to be obtain High Precision and long life.
- ✓ High accuracy bearings class P. -4 are used for angular contact match paired.
- ✓ Spindles are lubricated with special imported grease.
- ✓ Our spindles are guaranteed for any defect in material.
- ✓ Spindles can be design by as per customer's requirement.

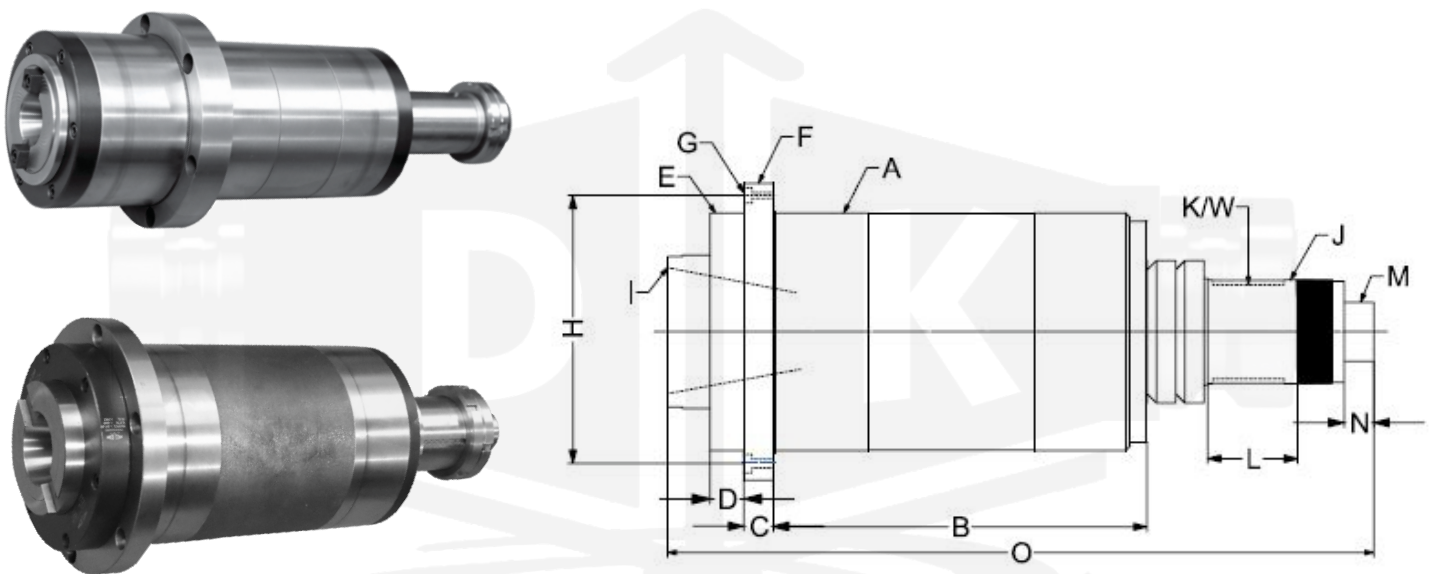


Type of Noise	Spindle Dimensions (mm)															
	RPM	Bearings	A	B	C	D	E	F	G	H	I	J	K	L	M	N
A2-4	7000	2 in Front and 2 in Rear 7010 (CTYNDULP4)	100	200	20	27	135	115	ø 7mm Thru. x 6 Nos ø 10mm C'Bore x ↓ 27mm	63.5	82.6	45	6M X 30M 3M Depth At - 180	35	30	328
A2-4 (Id - 40)	6000	2 in Front and 2 in Rear 7212 (CTYNDULP4)	140	250	20	27	178	156.3	ø 11mm Thru. x 6 Nos ø 17mm C'Bore x ↓ 27mm	63.5	82.6	55	8M X 46M 4M Depth At - 180	60	40	439
A2-5	6000	2 in Front and 2 in Rear 7213 (CTYNDULP4) 7213 (CTYNDULP4)	140	210	20	22	185	162	ø 10mm Thru. x 6 Nos ø 18mm C'Bore x ↓ 22mm	82.5	104.8	58	8M X 45M 4M Depth At - 180	60	45	355
A2-5 (Id - 40)	6000	3 in Front and 2 in Rear 7016 (CTYNDULP4) 7014 (CTYNDULP4)	170	300	26	27	230	205	ø 13mm Thru. x 6 Nos ø 20mm C'Bore x ↓ 20mm	82.5	104.8	65	10M X 60M 5M Depth At - 180	80	40	525
A2-5 (Id - 56)	5000	3 in Front and 2 in Rear 7016 (CTYNDULP4) 7016 (CTYNDULP4)	170	300	26	27	230	205	ø 13mm Thru. x 6 Nos ø 20mm C'Bore x ↓ 27mm	102.9	104.8	70	10M X 60M 5M Depth At - 180	80	56	522
A2-6 (Id - 55)	5500	3 in Front and 2 in Rear 7218 (CTYNDULP4) 7216 (CTYNDULP4)	170	320	26	29	230	205	ø 13mm Thru. x 6 Nos ø 20mm C'Bore x ↓ 27mm	102.9	133.4	75	10M X 60M 5M Depth At - 180	80	55	546
A2-6 (Id - 65)	5000	3 in Front and 2 in Rear 7020 (CTYNDULP4) 7018 (CTYNDULP4)	180	320	26	29	232	205	ø 13mm Thru. x 6 Nos ø 20mm C'Bore x ↓ 29mm	102.9	133.4	85	10M X 60M 5M Depth At - 180	80	65	546
A2-8 (Id - 75)	3000	3 in Front and 2 in Rear 7024 (CTYNDULP4) 7022 (CTYNDULP4)	230	335	40	34	303	270	ø 18mm Thru. x 6 Nos ø 25mm C'Bore x ↓ 34mm	135.8	171.4	100	12M X 70M 6M Depth At - 180	90	75	622
A2-11 (Id - 110)	2500	3 in Front and 2 in Rear 7030 (CTYNDULP4) 7028 (CTYNDULP4)	270	425	40	42	370	336	ø 26mm Thru. x 6 Nos ø 30mm C'Bore x ↓ 34mm	196.8	235	135	14M X 70M 8M Depth At - 180	80	110	740
A2-11 (Id - 120)	2500	3 in Front and 2 in Rear 7030 (CTYNDULP4) 7030 (CTYNDULP4)	270	425	40	42	370	336	ø 26mm Thru. x 6 Nos ø 30mm C'Bore x ↓ 34mm	196.8	235	135	14M X 70M 8M Depth At - 180	80	120	740

VMC Machine Spindle Cartridge

► Features ◀

- ✓ Belt-driven spindles are a popular choice and make up a large percentage of spindles.
- ✓ Specially designed with belt driven, the accuracy of spindle nose is strictly under 0.007mm.
- ✓ Spindle unit allows to perform all types of machining applications such as drilling, tapping, milling, boring, facing, reaming and countersinking.



Type of Noise	Spindle Dimensions (mm)																
	RPM	Bearings	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
BT-30 (manual)	7000	2x FRONT - 7010 2x REAR - 7010	100	210	20	27	85	135	Ø7 THRU HOLE C'BORE Ø11 ‡8 NOS-6	PCD Ø115	BT-30	45	30X6X3 DEPTH	40	-	-	347
BT-30 (greepar)	7000	2x FRONT - 7010 2x REAR - 7010	100	210	20	27	85	135	Ø7 THRU HOLE C'BORE Ø11 ‡8 NOS-6	PCD Ø115	BT-30	45	30X6X3 DEPTH	40	20	15	372
BT-40 (manual)	4000	2x FRONT - 7212 2x REAR - 7212	120	177	20	85	130	165	Ø9 THRU HOLE C'BORE Ø14 ‡10 NOS-6	PCD Ø145	BT-40	55	45x8x4 DEPTH	80	-	-	395
BT-40 (greepar)	4000	2x FRONT - 7214 2x REAR - 7213	140	203	30	20	146	185	Ø11 THRU HOLE C'BORE Ø16 ‡12 NOS-6	PCD Ø165	BT-40	60	60x10x5 DEPTH	95	50	30	511
BT-50 (manual)	4000	3x FRONT - 7020 2x REAR - 7018	200	301	25	29	200	250	Ø13 THRU HOLE C'BORE Ø20 ‡13 NOS-6	PCD Ø225	BT-50	87	60x10x5 DEPTH	74	-	-	595
BT-50 (greepar)	4000	3x FRONT - 7020 2x REAR - 7018	200	301	25	29	200	250	Ø13 THRU HOLE C'BORE Ø20 ‡13 NOS-6	PCD Ø225	BT-50	87	60x10x5 DEPTH	74	50	25	595



For through-holes



For blind holes



For Tapered Internal Surfaces



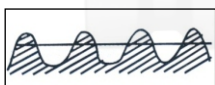
For external shafts



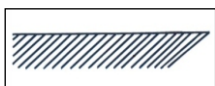
For face surfaces

Tool Dia (mm)	Speed (rpm)	Tool Feed Rate (mm / rev)
10 - 15	610 - 3100	0.45 - 0.90
15 - 20	500 - 1800	0.75 - 0.90
20 - 25	380 - 1500	0.8 - 1.4
25 - 30	320 - 1010	1.3 - 1.7
30 - 35	275 - 875	1.5 - 2.1
35 - 40	230 - 850	2.0 - 2.5
40 - 45	210 - 690	2.1 - 2.6
45 - 50	195 - 615	2.9 - 3.1
50 - 55	175 - 535	3.5 - 4.0
55 - 60	165 - 515	3.9 - 4.3
60 - 65	145 - 465	4.3 - 4.6
65 - 70	150 - 440	2.3 - 2.6
70 - 75	120 - 405	2.6 - 2.7
75 - 90	115 - 385	2.7 - 2.4
90 - 100	100 - 320	3.3 - 4.0
100 - 115	90 - 290	4.0 - 4.5
115 - 130	80 - 230	5.0 - 5.4
130 - 140	70 - 215	5.8 - 6.0

What is Roller Burnishing



Surface Roughness before

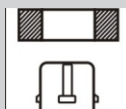


Surface Roughness After

The surface of metal parts worked through turning, reaming or boring operations is a succession of "PROJECTION or PEAKS" and "INDENTATION or VALLEY" when microscopically examined (see fig. 1). The roller Burnishing Operation compresses the "Projection (Peaks)" into the "Indentation" (Valleys) thus forming a smooth mirror finished surface (as in fig. 2). Any material not exceeding 40 Rockwell Hardness "C" can be rolled burnished.

Examples of work projects

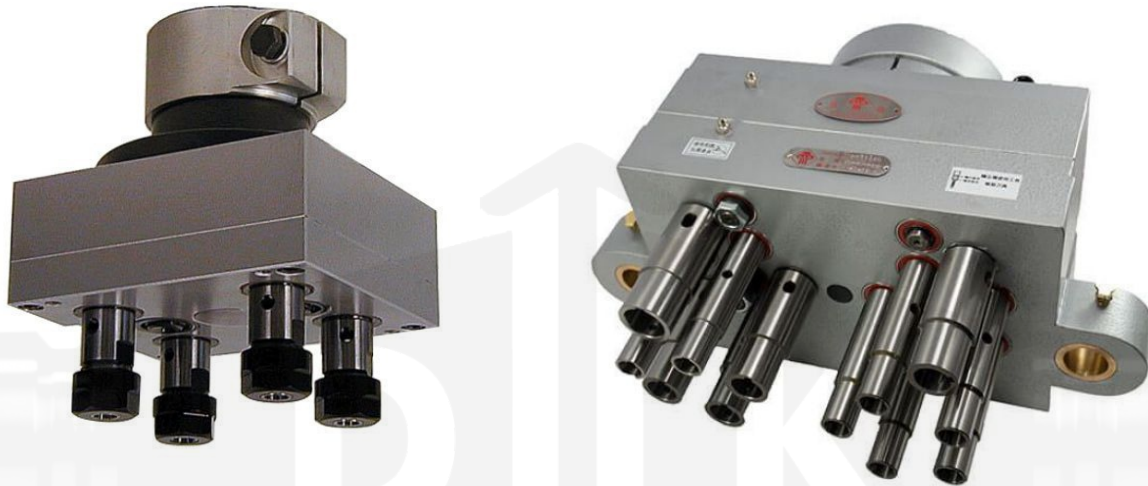
- ✓ Interiors of Hydraulic oil brake cylinders
- ✓ Internal surface and taper seat surface of valve bodies
- ✓ Internal surface of bushings for connecting rod
- ✓ Holes for inserting bearings
- ✓ Internal surface of gun barrels
- ✓ Internal surface of brass liners for torque converters
- ✓ Valve seats of fuel pumps
- ✓ External surface tapers for joints
- ✓ Spherical seat surface of oil joints
- ✓ Submersibles Buss & All type of Gears



Multi Head Spindle

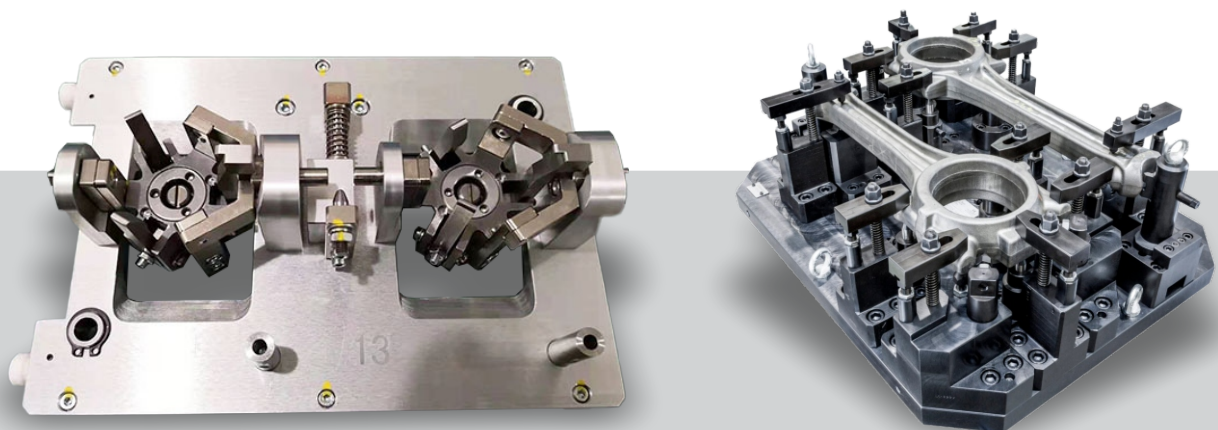
We make multi Head Spindle for the purpose of more than one hole at single operation at different P.C.D. as per your requirements with grease or oil.

Which can be widely used to drill products like printed Circuit Boards : Engine heads and other Automobile components- Extreme care should be there to drill multi holes at different layouts- It helps to achieve accurate and identical drilled layouts in mass production



Jig and Fixture

A jig's primary purpose is to provide repeatability, accuracy, and interchange ability in the manufacturing of products. A jig is often confused with a fixture. A fixture holds the work in a fixed location. A device that does both functions Holding the work and guiding a tool) is called a jig-We make jig and Fixtures as per your sample, locked by hydraulic cylinder or manual. Every Kind of small & big fixture made by us_





Traub Collet



Revolving Center



High Speed
Revolving Center



CNC Pipe Center



Dead Center



Spare Point



ER Collet



Spare nut for
Collect Chuck



Spanner



Key Less Drill
Chuck



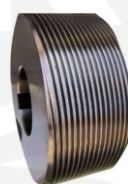
CNC Machine
Chuck



T nuts CNC
Chuck



CNC Soft Jaw



CNC Pulley



CNC Rotary
Cylinder



CNC Tail Stock
Quill



Turret Sleeve



CNC Turret Block



CNC Cylindrical
Shank Collet Chuck



Drill Chuck with Key



BT-40 ER Collet
Chuck



BT-40 Stub
Milling Arbour



BT-40 Side Lock
Holder



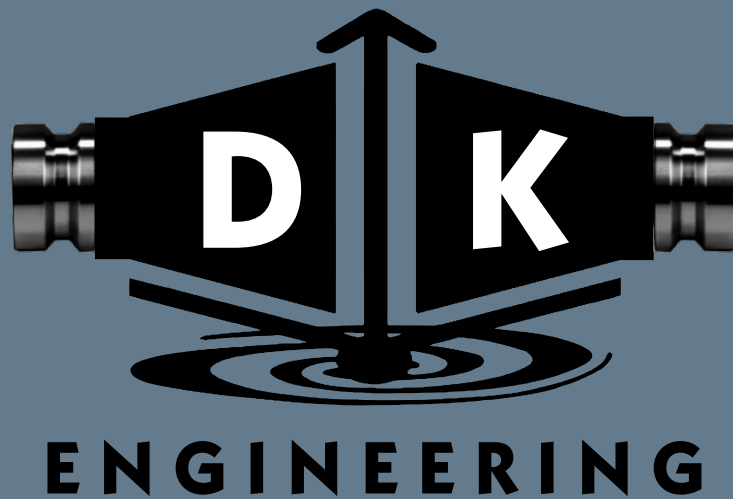
Pull Stud



VMC Machine
Clamping Kit

Our Customers





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