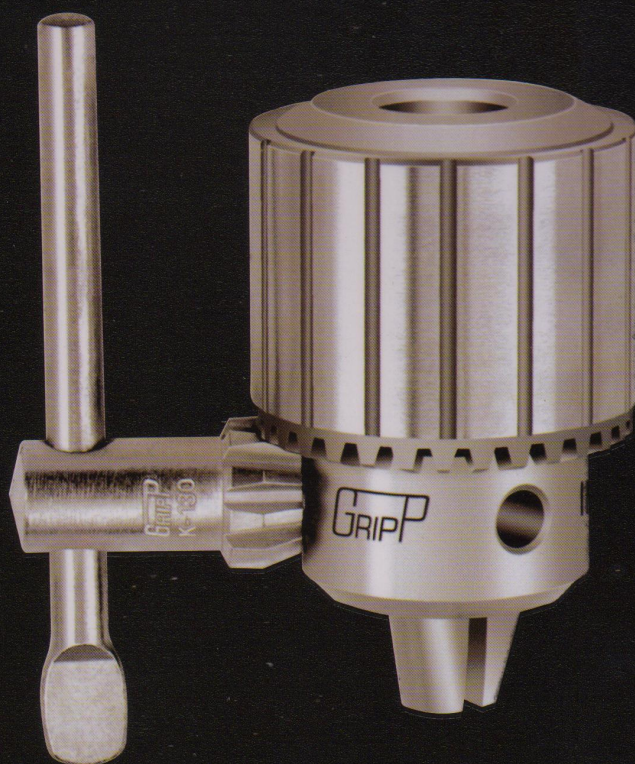


GRIPP® SINCE : 1944



Precise. Reliable



HISTORY

The Saurashtra Engineering Works has a long history of around 75 years in the production and manufacturing of Drill Chucks and Arbors. We are the leading manufacturer of a wide range of products in various sizes under our brand name GRIPP. Within this specific Industry in India, we have proudly become the pioneers.

CLIENTS

Our clients come from all fields ranging from large industrial companies to smaller businesses. Our product range caters to our international client's tailored needs worldwide.

Our local distribution network ensures speedy delivery of quality and precision products, which ensure client satisfaction. Our global distribution network can manage large and small orders with fast turnaround production times and competitive prices.

Our marketing is done through our strong Dealer's Network in India, as our products are most popular in Indian Industrial Market. We have long standing relationships with major industrial businesses in India, who prefer our GRIPP products in their unit to any other.

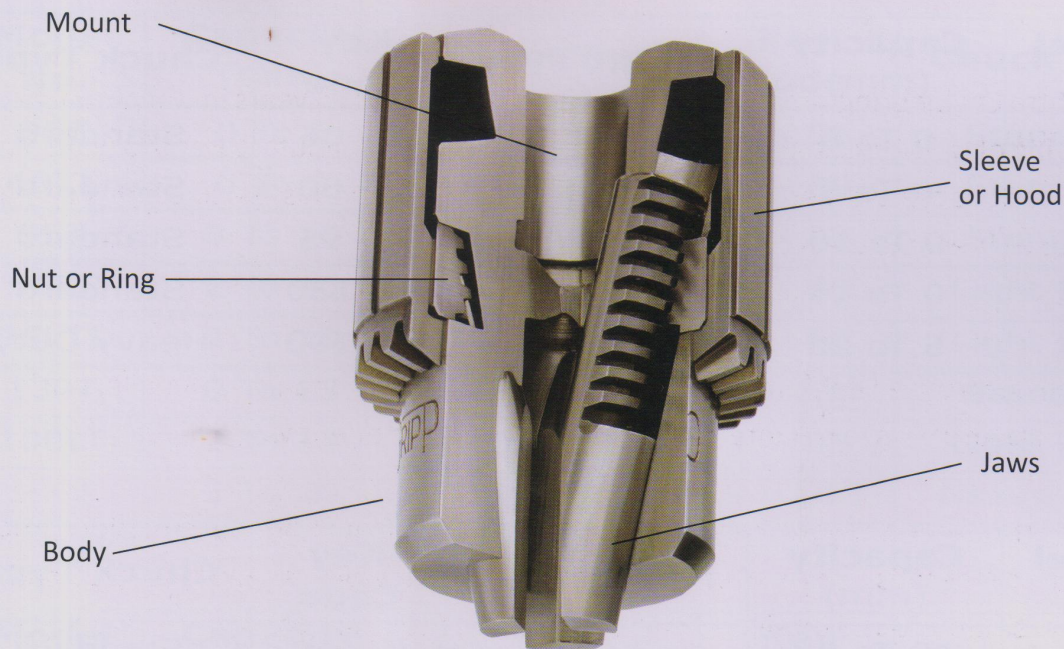
QUALITY

Since the inception of our company we strive to improve our productivity and manufacturing standards thus achieving the highest level of product quality. Our products are designed by skilled experts with the latest technology, collaborating closely with end user research and user insights. They are made with superior quality and accuracy, using the most sophisticated CNC Machining Centres, 5 AXIS Vertical Machining Centres, latest Heat Treatment facility and finest choice of raw material.

All our products go through rigorous Quality Check Systems, by conducting comprehensive tests on each individual product in our state of the art testing facility, thus ensuring a longer product life.

We can therefore confidently guarantee quality and reliability.

ABOUT US



Our product parts namely Jaws, Ring, Sleeve, Key and Key Holes are hardened to achieve maximum wear resistance, optimal performance and longer life of our Drill Chucks.

Our GRIPP Drill Chucks may be used in CNCs, VMCs, Drill Presses, Multi Drilling units, Lathe Headstocks, Centre Rests, Grinding Machines, Milling Heads, Threading Machines, Portable Electric Tools, Stirring Machines etc.

Essential usage of this product applies whilst Drilling, Reaming, Threading, Counter Boring, Spot Facing, Light Turning, Milling, Grinding, Stirring etc.

We manufacture Drill Chucks :

- In Threaded Mount – Metric & Imperial.
- In Taper Mount – Jacob Taper & DIN Taper.

In the range of various capacities ranging from 0 To 6/10/13 mm. (Standard Duty) and 2 To 10/13 mm. (Light Duty) and 5 To 20 mm. (Heavy Duty).

We also manufacture Hardened and Ground Arbors :

- In Threaded Mount – Metric & Imperial.
- In Taper Mount – Jacob Taper & DIN Taper.



STANDARD JACOB TAPER MOUNT

Model No.	Capacity (mm)	Mount Type	Key Code	Chuck Type
06	0 To 6	1J	K - 06	Standard
60	0 To 6	2 (1) J	K - 60	Standard
95	0 To 10	2J	K - 95	Standard
130	0 To 13	6J	K - 130	Standard
190	5 To 20	3J	K - 190	Heavy Duty

SPECIAL JACOB TAPER MOUNT

Model No.	Capacity (mm)	Mount Type	Key Code	Chuck Type
80	0 To 8	2 (1) J	K - 60	Standard
130L	2 To 13	2J	K - 95	Light Duty
160	3 To 16	3J	K - 130	Standard

SPECIAL DIN TAPER MOUNT

Model No.	Capacity (mm)	Mount Type	Key Code	Chuck Type
06B10	0 To 6	B10	K - 06	Standard
60B12	0 To 6	B12	K - 60	Standard
80B12	0 To 8	B12	K - 60	Standard
95B16	0 To 10	B16	K - 95	Standard
130B16	0 To 13	B16	K - 130	Standard
130B18	0 To 13	B18	K - 130	Standard
160B16	3 To 16	B16	K - 130	Standard
160B18	3 To 16	B18	K - 130	Standard
160B22	3 To 16	B22	K - 130	Standard
190B22	5 To 20	B22	K - 190	Heavy Duty

DRILL CHUCKS

SPECIFICATION

STANDARD N.F. THREAD MOUNT

Model No.	Capacity (mm)	Mount Type	Key Code	Chuck Type
06T	0 To 6	3/8" X 24	K - 06	Standard
60T1	0 To 6	1/2" X 20	K - 60	Standard
95T	0 To 10	1/2" X 20	K - 95	Standard
95LT	2 To 10	3/8" X 24	K - 60	Light Duty
95LT1	2 To 10	1/2" X 20	K - 60	Light Duty
130T	0 To 13	5/8" X 16	K - 130	Standard
130LT	2 To 13	1/2" X 20	K - 95	Light Duty
190T	5 To 20	5/8" X 16	K - 190	Heavy Duty

SPECIAL N.F. THREAD MOUNT

Model No.	Capacity (mm)	Mount Type	Key Code	Chuck Type
80T	0 To 8	3/8" X 24	K - 60	Standard
80T1	0 To 8	1/2" X 20	K - 60	Standard
160T	3 To 16	5/8" X 16	K - 130	Standard
160LT	3 To 16	1/2" X 20	K - 130	Light Duty

SPECIAL METRIC THREAD MOUNT

Model No.	Capacity (mm)	Mount Type	Key Code	Chuck Type
06TM	0 To 6	M10 X 1.00	K - 06	Standard
60T1M	0 To 6	M12 X 1.25	K - 60	Standard
95TM	0 To 10	M12 X 1.25	K - 95	Standard
95T1M	0 To 10	M14 X 1.50	K - 95	Standard
95LTM	2 To 10	M10 X 1.00	K - 60	Light Duty
95LT1M	2 To 10	M12 X 1.25	K - 60	Light Duty
130LTM	2 To 13	M12 X 1.25	K - 95	Light Duty
130LT1M	2 To 13	M14 X 1.50	K - 95	Light Duty
190TM	5 To 20	M18 X 1.50	K - 190	Heavy Duty



MORSE TAPER SHANK WITH JACOB TAPER

Jacob Taper	Morse Taper			
	1	2	3	4
0J	1MT / 0	2MT / 0	-	-
1J	1MT / 1	2MT / 1	3MT / 1	4MT / 1
2J	1MT / 2	2MT / 2	3MT / 2	4MT / 2
2(1)J	1MT / 2(1)	2MT / 2(1)	3MT / 2(1)	4MT / 2(1)
6J	1MT / 6	2MT / 6	3MT / 6	4MT / 6
3J	1MT / 3	2MT / 3	3MT / 3	4MT / 3

MORSE TAPER SHANK WITH DIN TAPER

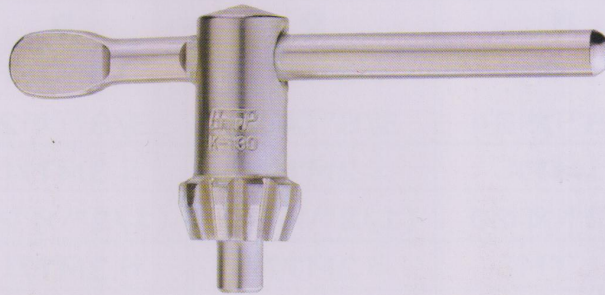
Din Taper	Morse Taper			
	1	2	3	4
B10	1MT / B10	2MT / B10	3MT / B10	4MT / B10
B12	1MT / B12	2MT / B12	3MT / B12	4MT / B12
B16	1MT / B16	2MT / B16	3MT / B16	4MT / B16
B18	—	2MT / B18	3MT / B18	4MT / B18
B22	—	2MT / B22	3MT / B22	4MT / B22

MORSE TAPER SHANK WITH N.F. THREAD

N.F. Thread	Morse Taper			
	1	2	3	4
3/8" X 24	1MT/ 3/8" X 24	2MT/ 3/8" X 24	3MT/ 3/8" X 24	4MT/ 3/8" X 24
1/2" X 20	1MT/ 1/2" X 20	2MT/ 1/2" X 20	3MT/ 1/2" X 20	4MT/ 1/2" X 20
5/8" X 16	—	2MT/ 5/8" X 16	3MT/ 5/8" X 16	4MT/ 5/8" X 16

MORSE TAPER SHANK WITH METRIC THREAD

Metric Thread	Morse Taper			
	1	2	3	4
M10 X 1.00	1MT/ M10 X 1.00	2MT/ M10 X 1.00	3MT/ M10 X 1.00	4MT/ M10 X 1.00
M12 X 1.25	1MT/ M12 X 1.25	2MT/ M12 X 1.25	3MT/ M12 X 1.25	4MT/ M12 X 1.25
M14 X 1.50	1MT/ M14 X 1.50	2MT/ M14 X 1.50	3MT/ M14 X 1.50	4MT/ M14 X 1.50
M18 X 1.50	—	2MT/ M18 X 1.50	3MT/ M18 X 1.50	4MT/ M18 X 1.50



Model No.
K - 06
K - 60
K - 95
K - 130
K - 190

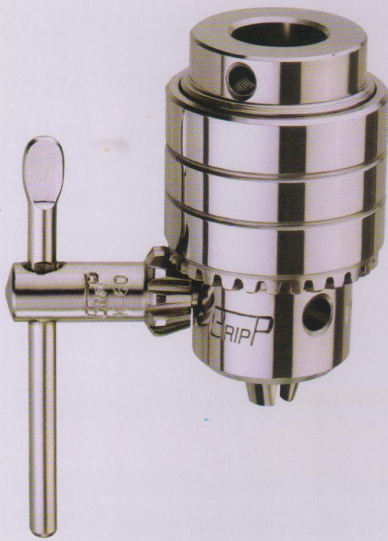
Please Note :

Before ordering Spare Keys please refer to Drill Chuck section for the exact Key Code against respective Drill Chuck Model No.

SPECIAL PURPOSE

Looking for the latest demand and challenges from engineering industries our R & D section is continuously active to offer precision products and customized solution according to the client's need.

Some of our customized solutions includes Stainless Steel Drill Chucks which are used in the field of Food Processing Units, Laboratory, Chemical Industries and even by Medical Professionals.



Parallel Mount Drill Chuck



Stainless Steel Drill Chuck



Slotted Mount Drill Chuck



ORDERING INFORMATION

For DRILL CHUCK : Select the chuck's mount, capacity and corresponding chuck Model No.
Example : DRILL CHUCK Model No. 130..... 200 Pcs. that means it will hold any drill bit from 0 to 13mm and can be fitted to any Jacob Taper Shank No. 6

For Arbors : Select Morse Taper Shank number to suit your machine and the mount of chuck model i.e. Jacob, Din or thread specification to suit GRIPP Arbor Model No.
Example : 2MT / 6 means Morse Taper Shank 2 which can be fitted to any Chuck Model having Jacob Taper No. 6.

TOLERANCE & ACCURACY

Drill Chucks having nominal capacity of zero will hold minimum 0.7mm (0.0275") drill bit.

All drill chucks will have maximum eccentricity value of 0.18mm (0.007") T.I.R. measured on test mandrel between 65 to 75 mm away from the shoulder of jaws.

We can also offer Drill Chucks with less tolerance that is less then 0.125mm (0.005")

TESTING

Our GRIPP Drill Chucks are dispatched Ex-Works with full and comprehensive test procedures as mentioned below:

- Click-free rotation test.
- Holding Capacity test (half and full capacity).
- Concentricity test of chuck with full and half diameter capacity mandrel on each key hole (3 holes for half capacity and 3 holes for full capacity totalling 6 tests on each chuck) being carried out on a specially designed testing machine.
- Sleeve and Key teeth meshing test.

GENERAL INFORMATION

TERMS OF USE

1. Check and ensure the mount of drill chuck is exactly corresponding with the mount of spindle end of machine, before you fit it (please refer our specification of Drill Chucks).
2. Do not fit or mount chuck/arbor when shank or mount of machine spindle does not suit to chuck's mount or arbor specifications or when mount area of machine, chuck or arbor are dirty, greasy, eccentric, rough, damaged or found slack, loose/otherwise. It is important to clean area of mount and shank properly with clean cloth before fitting or fixing.
3. Do not try to tighten drill bit on chuck when drill bit shank or any other such shank of tool is out of round or having gale marks. In most cases shanks are worn out of drill bit and operator is applying undue force on key for more tightening and thus resulting into ring or jaw breakage of drill chuck.
4. In most of the cases, users are utilising short length drill bits by inserting lesser depth of shank of drill bit into drill chuck and such location of drill bit when tightened, results in breakdown of drill bit for no fault of manufacturer.
5. Key must be fully inserted and meshed with teeth gear of sleeve otherwise teeth life of drill chuck and key will be reduced.
6. Do not try to operate or run the machine when drill bit is not fitted or tightened properly into drill chuck.
7. Drill Chuck is a precision accessory of any machine and therefore tightening drill chuck by hammering or applying any other undue force or means, other than the supplied key, should be avoided to ensure longer life.
8. The assembling of the drill chuck is carried out by special and scientific means, therefore please do not try to dismantle or open the unit else damage to the product will occur.

WAIVER

The manufacturer accepts no liability whatsoever for their product if damage of any product supplied ensues as a result of non adherence to the terms of use as detailed above.

All specifications are subject to change without prior notice.