



DENO - Inspired by Precision

Inspired by Precision



WE ARE YOUR PARTNER FOR THE
FOLLOWING SECTORS OF INDUSTRY:

- Drive technology
- Electric motors
- Power engineering
- Automotive
- Aviation
- Mechanical engineering
- Medical technology
- Assembly technology
- Rail-based vehicles
- Solar technology
- Wind power

Canara Standard Keys Pvt. Ltd.
21, M M Industrial Estate, P B 8206
K R Road, Yediyur, Bengaluru,
Karnataka 560082

www.deno-india.com

Worldwide logistics. Daily stock availability.



DENO products are being worldwide.

The globally distributed production sites of our customer in different regions of the world require products without any difference in quality. To provide our customers with a supply of parts of constant quality, we support them by worldwide deliveries.

Manufactured at DENO - Internationally present.

We are represented on all continents:
Africa - United States of America - Asia -
Australia - Europe

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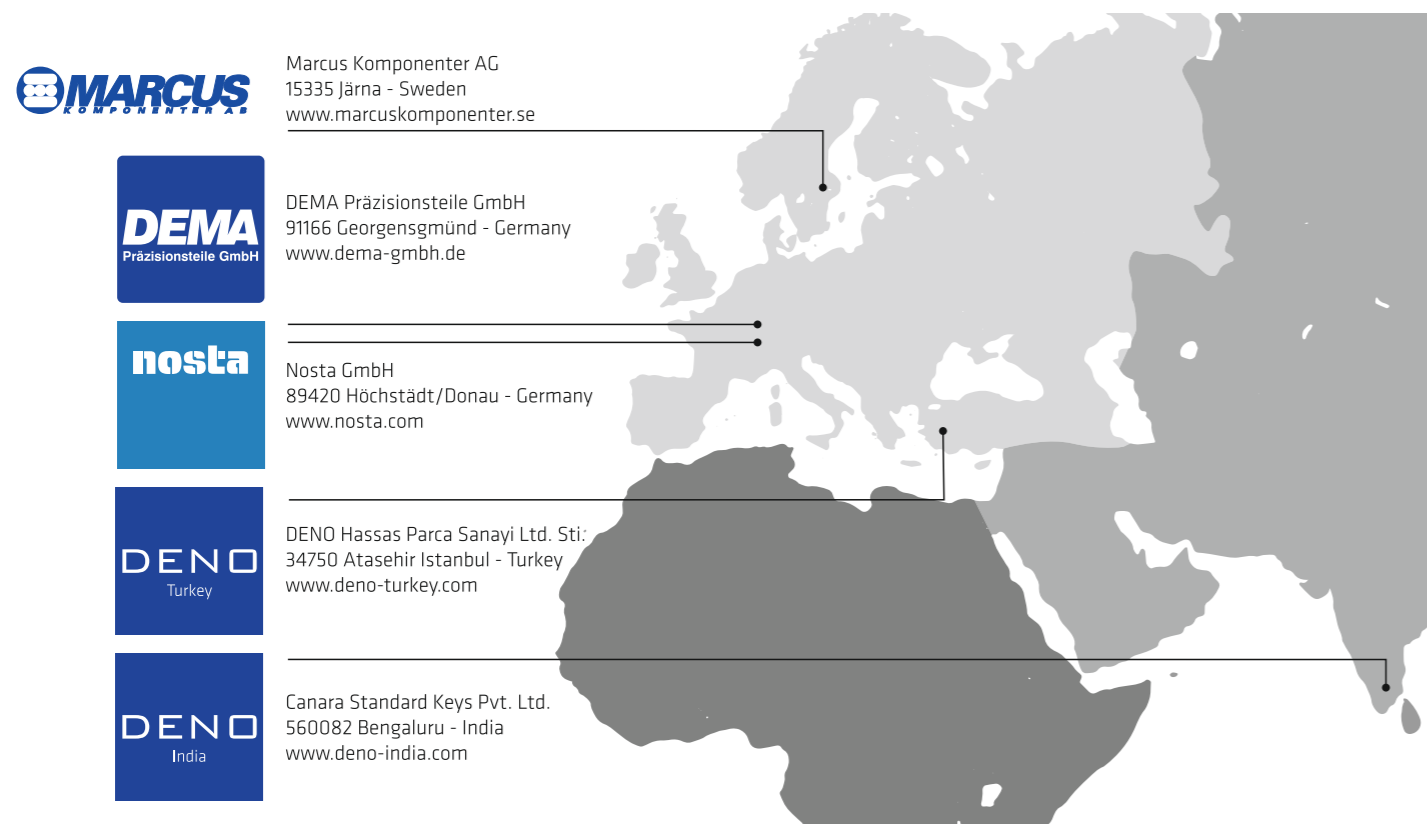
14 | Think global. Act global.

15 | Worldwide logistics. Daily stock availability.

Think global. Act global.

Many of our customers are represented internationally.
We supply parts of a consistently high quality to their facilities on every continent.

We generate valuable synergies for our customers through collaboration with our companies Nosta, Dema, Marcus and DENO Turkey. As a strong alliance we cover a broad range of products with the highest quality standard to generate best customer satisfaction.



A strong workforce. Outstanding technology.

DENO India a brand of Canara Standard Keys Pvt. Ltd., is a unique business that has been delivering the highest standards of quality and customer satisfaction for over 50 years. The long-term success of the company is an outcome of best practises followed in-house & value addition for customers.

After merger and acquisition by Nosta GmbH and DEMA Präzisionsteile GmbH, we are now aiming to reach the next level to serve you better and at a broader spectrum as demanded by customers today.

Our corporate culture combines Domestic and International Technical and Marketing know-how to serve Customers relentlessly. DENO India strives for long-term, trusting and successful business relationships.

We are marching towards the next level with great customers like you.



"Our company
headquarters in
Bengaluru."

DENO



More than 4000
different standard
parts in stock.



DENO Standard Parts.

Take advantage of our wide range of ex-warehouse products.



DENO Standard Parts.

The standard program contains a group of standard parts according to DIN/ISO for power transmissions and fastening techniques.

- Taper pins
- Dowel pins
- Grooved pins
- Grooved drive studs
- Parallel keys
- Woodruff keys

Technical Information.

You will find information concerning the quantities, varieties and technical details about all standard parts according DIN/ISO in our product brochure Standard Parts and on our website:

www.deno-india.com

DENO

Competence with Personality.

DENO is a world wide operating medium sized company. We have been supplying our customers for more than 30 years with mechanical fasteners.

Our focus divides into the following ranges:

- Cylindrical Pins, axles and shafts to drawing
- DENO Guide Pin
- Cylindrical - and Taper Pins to DIN and ISO

Quality and environmental requirements are assured by our quality management system. Based on regular audits and rising client demands we keep constantly developing our quality management.

Convince yourself of the capabilities of DENO and test us by sending us your individual requirements!

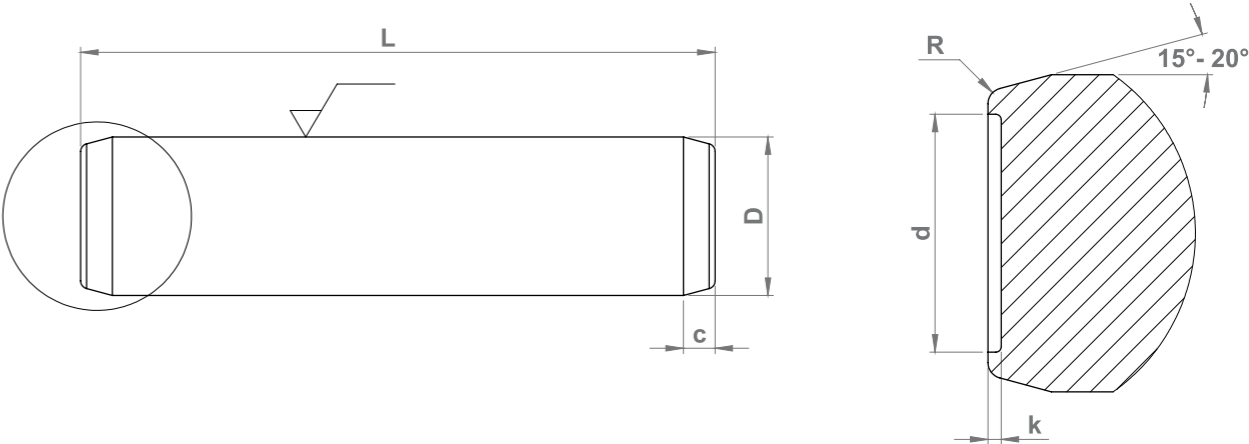


Efficient CNC-technologies. Precision inspires.

With the help of universal machinery we are able to produce absolutely cost effective. CNC- and cam type controlled turning machines, rotary transfer machines, transfer machines and multi-spindle machines guarantee highest flexibility of lot-sizes and processing variety.

We produce special parts and standard parts to individual customer specifications in all common materials.

- Sliding headstock and fixed headstock turning machines
- Range of diameter from 3 to 32 mm with a tolerance of 0.03 mm on diameter
- Long-turned parts with a maximum length of 250 mm with a tolerance on length of 0.1 mm
- Multiple complete machining operations by 2-spindle technology
- Complex transverse machining
- Variety of milling operations



D (Diameter):	4	5	6	7	8	10	12	14	16	18
L (Length):	10	8	8	10	12	12	14	16	25	25
L (Length):	50	60	60	80	100	100	115	120	120	120
R:	0,3	0,6	0,6	0,8	1,0	1,0	1,2	1,2	1,2	1,2
d≈:	3,0	4,0	4,5	5,0	6,0	8,0	10,0	11,0	12,0	14,0
k≈:	0,15	2,0	0,25	0,3	0,4	0,5	0,5	0,5	0,5	0,5
c≈:	0,8	0,8	1,2	1,4	1,5	2,0	2,5	2,7	3,5	3,5



DENO Guide Pin. Perfect for feeding system. Ideal for mass production.

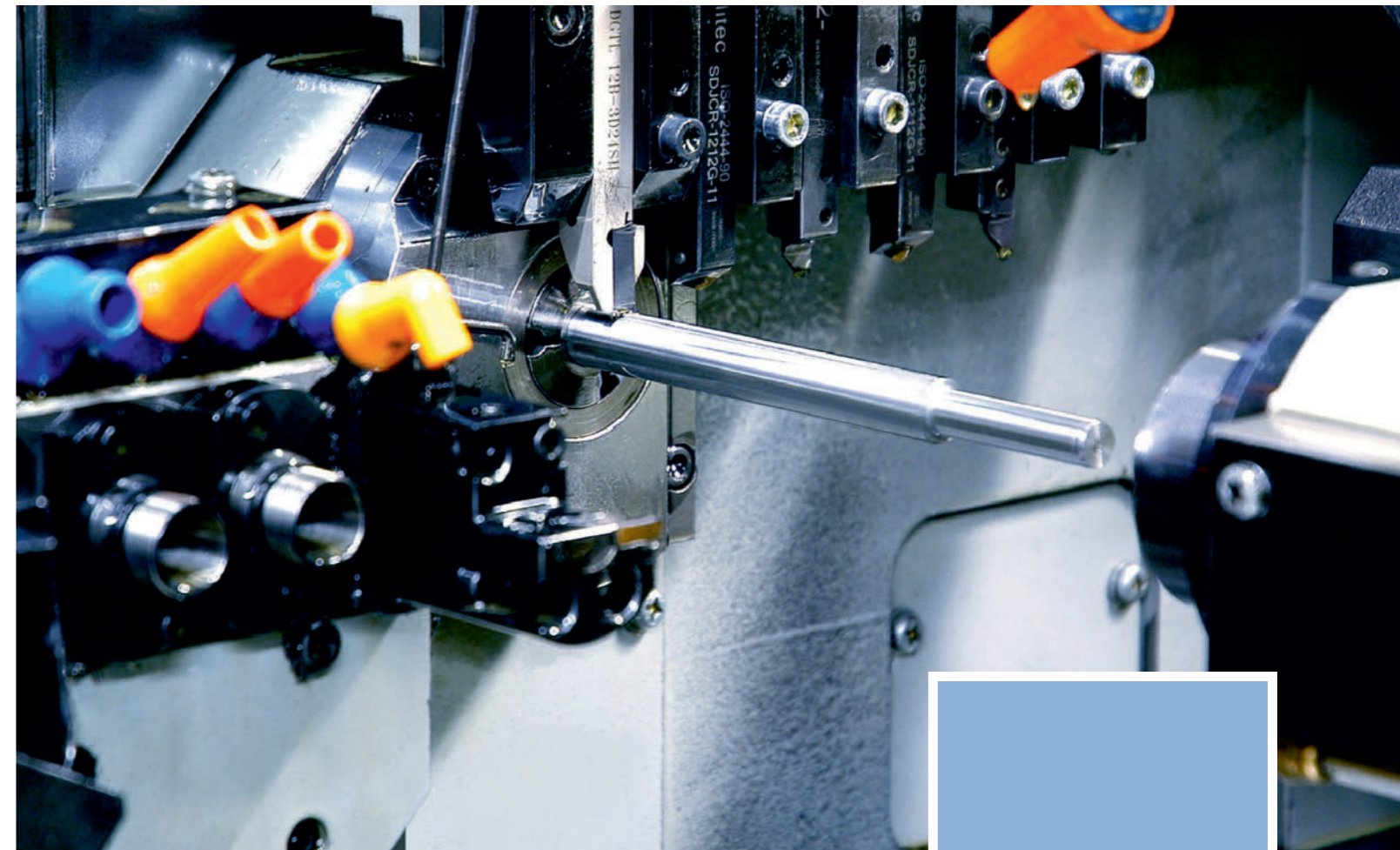


Perfect for automatic feeding.

Given the tougher technical requirements coming from industry we have made it our task to develop a high value cylindrical pin which is uniquely cost effective and the optimum for usage. In case your requirements are not listed, we ask you to send an inquiry of your specific demand.

The benefits are obvious.

- Conforms to DIN EN ISO 8734 and DIN EN ISO 2338
- Non-cutting processing
- Ideally suited for automatic assembly by two parabolic rounded ends
- Therefore no chip formation during assembly
- Environmental friendly production by saving of raw material and auxiliaries
- Free choice of material
- Cost savings by using high performance special machines



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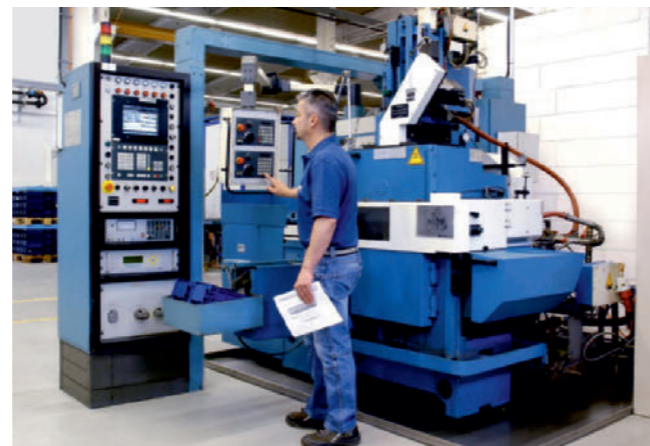
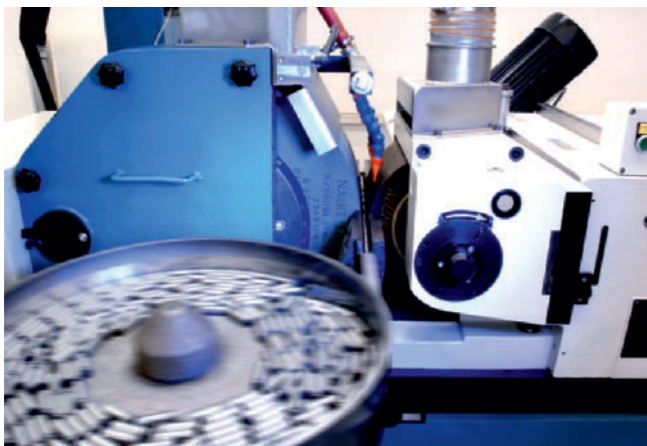
Further production processes.

Turning/ Cold forming
Heat treatment/ Surface treatment
Various cleaning processes

Grinding technology - Precise in every respect.

Our machinery of grinding technology contains numerous individual production processes in the fields of through feed grinding, plunge grinding and vibratory grinding with an automatic feeding of parts. These technically mature surface technologies offer a high quality without any compromises and provide the highest precision, productivity and economic efficiency for small, medium and mass series parts.

- Through feed grinding - range of diameter from 1 to 32 mm with a tolerance on diameter of 0.005 mm
- Plunge grinding - range of diameter from 4 to 32 mm with a tolerance on diameter according It6
- Vibratory grinding - wet or dry, depth of roughness Ra 0.1/ Rz 1



DENO Special Parts. Individual product solutions.



Special Parts.

We produce according individual customer demands. Our machinery includes CNC machines and cam-controlled sliding/fixed head stock turning machines, rotary transfer machines, multi-spindle machines and special machines which guarantee highest flexibility of lot-sizes and processing variety. We work within a range of diameter from 0,5-32mm.

Production methods:

- Drilling - Knurling - Grooving
- Thread cutting, tapping
- Cold forming (hexagon socket)
- Face machining
- With flat surfaces (ground or milled)
- Tip-less round grinding
- Vibratory grinding/ barreling
- Plunge-cut grinding

