

AUTOMOTIVE & INDUSTRIAL PRODUCT GUIDE



Performance in Motion

● Range ● Precision ● Quality

Be Safe. Buy Original.

www.dpibearings.com

DPI[®]

Estd. 1983

TUV NORD
ISO 9001:2000
REG.NO.44 100 070525

Application & Verticals

DPI® Products can be used in:

Automotive



2-3 Wheeler



Car



Agricultural



Truck

Industrial



Pump



Paper



Textile



Engineering

Construction



Cranes



Equipment



Cement

Heavy/ Critical



Steel



Mining



Power



Transmission

DPI® Quality & Reliability

We are certified in ISO 9001:2008 compliant for manufacturing, design, inspection, testing, warehousing and supply of DPI® products.

All DPI® products are supported by DPI® Quality Assurance Policy*



DPI® - Since 1983

- The first DPI® bearing was manufactured in the year 1983 in Pune, India. The company started its production with ball bearings and thereafter became a specialized producer of high quality tapered roller bearings for automotive & agricultural applications.
- In the last 30 years DPI® has extended its manufacturing range to include over 4,800 types of Automotive, Agricultural and Industrial bearings spanning all types of bearings (Ball, Taper, Wheel, Clutch, Engine, Spherical, Thrust, Cylindrical, Angular Contact, Units and others)
- DPI® is one of India's leading bearing exported worldwide with partners in more than 70 countries.
- Until 2012 DPI® Sales Worldwide installed base has crossed over 400 Million USD.
- Our global production base consists of over 25 manufacturing sites worldwide.
- Design development and quality inspections are carried out at our ISO certified facilities.
- All products strictly follow the latest ISO Standards at minimum or higher tolerances / precision levels as prescribed by our markets or OEM customers.

Our Vision

To make DPI, India's Largest Selling Bearing brand, Worldwide, through Innovation and careful understanding of the different requirements of customers of every market separately.

We thank you for your interest in DPI® and we hope that you find this catalogue useful in understanding our products, Philosophy, services and our commitment. We look forward to establishing a strong relation with you.

Product Range & Categories (Appendix - I)

DPI® are classified into 4 different categories to meet different market requirements as below:

No.	Category	Manufacturing Standard	Target Market
1	DPI® Automotive	Tolerances and specifications suited for Automotive industry	High Quality Automotive & Agricultural
2	DPI®	ISO Standard Bearings	General Industrial
3	DPI® Gold	Z3 - Noise Level, V3 - Vibration Level, ABEC 3 - Precision Level	Critical and Electric Motor Application
4	DPI® Grease	DGMT-3, Lithium Grease	Industrial and Automotive Application

DPI® Pre & Post Sales Support

Our team provides specific pre and post sales services jointly with our distributors which are required to identify, approach, convert and retain customers such as:



Marketing (Appendix - II)

- Technical Catalogs, customized product update leaflets, customized introductory brochures.
- Visits to your market for co-marketing activities such as road shows, technical presentations, seminars and other business to business communication activities.
- Customized Retail signage & Point of sale display material
- Customized advertisements/listing in related publications / journals / trade directories (offline & online)
- Interesting complimentary gifts,
- Participation in related exhibitions, trade shows, trade fairs.



Commercial

- Sales team with local language skill (English, Arabic, Hindi, Spanish, Russian, Farsi, Mandarin etc.).
- Training for sales team for positioning marketing and sales strategies
- In – country / regional annual channel conferences for recognition of performers.
- Special incentive structures to encourage performance.
- Joint visits to customers.
- Protection of market (registration and action against fake).



Logistics

- Stocking and availability of over 300 containers of ready materials.
- Dispatch within 24 hours.
- Fast shipment options (Air / Sea/Road).
- Special packaging.



Finance

- Financial support through financial institutions
- Support for trade finance requirements / transit finance.

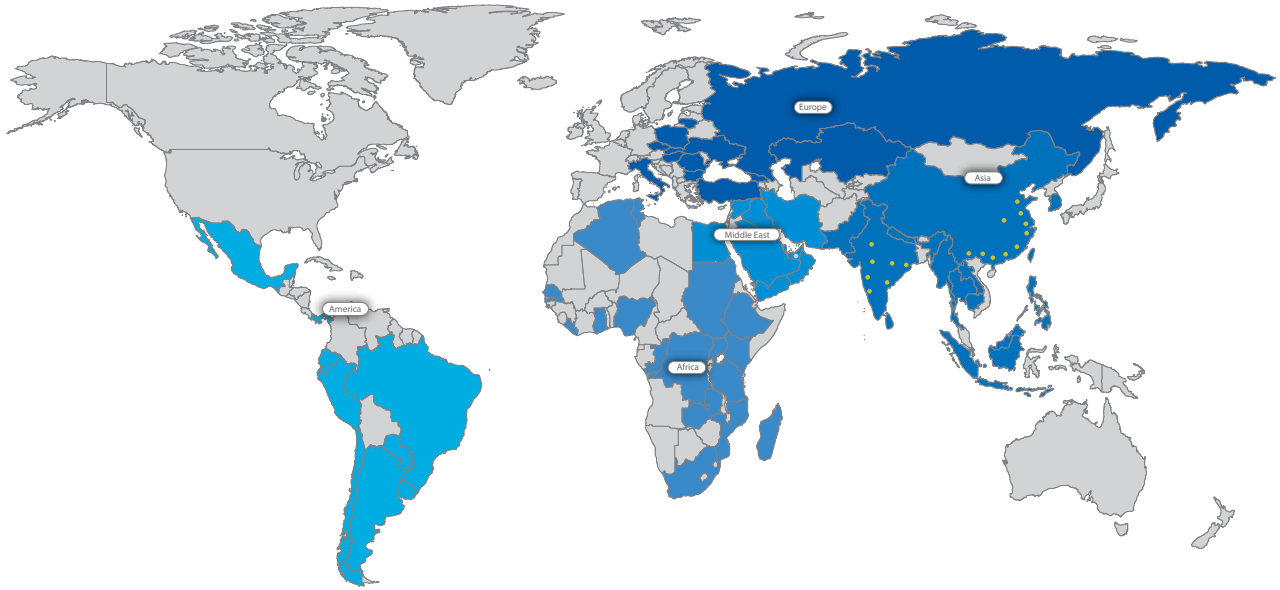


Engineering

- Special new product development & product updates.
- Application engineering & load calculations
- Root cause failure analysis (RCFA)
- Technical documents for participating in tenders or for imports.

"We look forward to establish long term business relationship with your organization"

DPI® Distribution Partner & Network



- Global Network of distribution partners Covers **70 Countries** and Consist of **over 100 Authorized DPI® Distributors** worldwide who are associated with us for several years.
- **Over 1000 DPI® certified channel partners** work with our distributors to meet daily requirement of Actual users, Aftermarket and OEM.

Asia	Middle East	Africa	America	Europe
Indian Subcontinent India Pakistan Sri - Lanka Bangladesh Nepal	GCC U.A.E. Oman Saudi Arabia Kuwait Qatar	North Africa Algeria Tunisia Ethiopia Libya	North America Mexico	Western Europe Italy
Far East Asia Vietnam Thailand Myanmar Cambodia Taiwan Indonesia Philippines Malaysia Korea	Middle East Egypt Jordan Yemen Iran Iraq Syria	West Africa Nigeria Ghana D.R. Congo Liberia Senegal Ivory Coast Gambia	South America Argentina Brazil Uruguay Paraguay Peru Chile Ecuador Panama	Russia & CIS Russia Ukraine Kazakhstan Belarus Armenia Azerbaijan Georgia
		East Africa Sudan Kenya Tanzania Uganda		Eastern Europe Turkey Poland Czech Republic Bulgaria Romania Slovakia Serbia Lithuania Hungary
		South Africa S. Africa Zambia madagascar Mozambique		

- Our head office, design and testing center & global distribution center is located in **Jebel Ali, United Arab Emirates** with regional/support offices in:
 - Dubai (U.A.E Retail)
 - India (Mumbai, New Delhi, Kolkata, Ahmedabad, Chennai)
 - China (Cixi)
 - Romania (Bucharest)
 - Argentina (Buenos Aires)
 - Thailand (Bangkok)
- Our manufacturing sites are spread over
 - India (10 sites)
 - China (18 sites)

"We are constantly striving to get closer and improve our service levels for you"

1.b. DPI® Automotive Bearings for Commercial Vehicles - (detailed model # wise catalog available for authorized distributors only)

Product Type	Typical Product #	Dimension		Application																					
		ID mm	OD mm	Chrysler	Nissan	DAF	Leyland	Bedford	GM	Volvo	Agrale	Tata	Mercedes	Renault	Eicher	Ford	FAW	VW	International	Scania Saab	Fiat	King Long	Yutong		
Wheel Bearing	30203-33215,1380/28, 15106/250, 25590/22, 33287/462- 33895/22, 3982-84/20, 368A/362A -497/492, 537/532-598A/593 LM48548/10- LM501349/14	Min -17 Max -110	Min -40 Max 190																						
Gear box bearing	2789/20- 3782/20, 25590/22- 28580R/21,31594/20-39590/20, 45284/20, 522649/10, 32208- 33113 , M84548/10-M802048/11 , NU208-09MN, QJ208-212, QJ309 6007-6311 (Open, Z2 and 2RS) ,	Min -25.4 Max -90	Min 57.1 Max 140																						
Differential Gear Bearing	30216-17, 32212-16, 32018-22, 33114-15, 12049/10, 33281/33462, 497/493, 594/592A, 501349/14, 687/672,	Min-41.275 Max -110	Min -90 Max 170																						
Clutch Bearing	368A/362A,6005-6306 (open, Z2 and 2RS)	Min -17 Max -60	Min- 72 Max -90																						
Steel Bearing	30205-06, 6304	Min - 20 Max - 30	Min - 52 Max - 62																						
Universal Joint Bearing	6209-6211	Min -45 Max - 55	Min - 85 Max 100																						
Engine Bearing	30203-32306 6004-6305,62201-04 (Open, Z2 and 2RS)	Min -10 Max - 55	Min - 30 Max - 90																						
Pinion Bearing	33111,387A/382A, 580/572, 72212C/487, 6312C3, M802048/11, HM807046/10, NUP309	Min -41.27 Max 82.550	Min - 82.55 Max 139.992																						

2. DPI® Industrial Bearings - DPI

Product Type	Typical Product #	Dimension	
		ID mm	OD mm
Self Aligning Ball Bearing (Open, Rubber Seal, Adapter sleeve, Tapered Bore)	1126 - 11220, 2200 - 2220, 1300 - 1320, 2300 - 2320	Min 6 Max 100	Min 19 Max 215
Deep Groove Ball Bearing (Metric and Inch) (Open, Rubber Seal, Steel Shield, Groove, Snap ring, with and W/O Clearance, Miniature)	16002-16026, 6000-6036, 6200-6236, 6300-6328, 6403-6416, 6800 - 6820, 6900 - 6920, 681 - 689, 691 - 699, 602 - 609, 623 - 629, 633 - 639, 62200 - 62214, 62300 - 62314, 63000 - 63010, 4200 - 4215, 4302 - 4315, RLS4 - RLS20, RMS4 - RMS20, CRL4 - CRL20, CRM4 - CRM-20,	Min 3 Max 180	Min 9.52 Max 280
Single & Double Row Angular Contact Ball Bearing (Open, Rubber Seal, Steel Shield)	3200 - 3226, 3302 - 3318, 5203 - 5214, 5304 - 5315, 7000 - 7010, 7200 - 7218, 7302 - 7322, QJ303 - QJ310	Min 10 Max 130	Min 30 Max 250
Taper Roller Bearing (Metric and Inch) (Single Row, Open)	30202 - 30222, 30302 - 30320, 31305 - 31320, 32004 - 32056, 32203 - 32238, 32303 - 32320, 33005 - 33022, 33102 - 33120, 33205 - 33220, 02474/10-88048/10 (L, LM, M Series)	Min 15 Max 420	Min 35 Max 280
Thrust Ball and Thrust Spherical/Tapered Roller Bearing (Single Direction, Double Direction, Steel and Brass cage)	51100 - 51120, 51200 - 51236, 51304 - 51330, 51405 - 51426, 53202 - 53220, 53305 - 53320, 53408 - 53420, 52202 - 52224, 52305 - 52324, 52405 - 52426, 29230 - 29275/500, 29317 - 29356, 29412 - 29440.	Min 10 Max 500	Min 24 Max 670
Spherical Roller Bearing (Steel Cage, Brass Cage, Tapered Bore, Single Cage, Split Cage, with and W/o Clearance)	21306 - 21320, 22205 - 22272, 22307 - 22360, 23022-23080, 23120 - 23180, 23218 - 23280, 23936 - 239/500, 24024 - 240/500, 24122 - 241/500	Min 25 Max 500	Min 52 Max 830
Ball Bearing Inserts, Ball Bearing Units/ Pillow Block Units (Metric and Inch)	UC201 - UC218, UK205 - UK215, UCP202 - UCP218, UCP305 - UCP320, UCFL202 - UCFL218, UCF202 - UCF218, UGFC204 - UGFC218, UCT202 - UCT208, UCPA204 - UCPA210	Min 12 Max 101.6	-
Machined Ring Needle Roller Bearings	NA4900 - NA4914	Min 10 Max 70	Min 22 Max 100
Plummer Block Unit	SN205-230, SN505-530, SN605-630	Min 20 Max 150	-
Cylindrical Roller Bearing (NU, NJ, N, NUP, NF)	NU204 - 220, NUJ304 - 320, NU405 - 430, NU1005 - 1030, NU2204 - 2220, NU2304 - 2320	Min 20 Max 280	Min 47 Max 420
Adapter Sleeves	H204 - 220, H304 - 320, H2305 - 2317, HE205 - 218, HE2306 - 2317	Min 20 Max 220	Min 32 Max 280
Radial Insert Ball Bearings with Eccentric Locking Collar	SA201 - SA212	Min 12 Max 60	Min 40 Max 110
Spherical Radial Ball bearings	CS201 - CS309	Min 12 Max 50	Min 32 Max 100
Spherical O.D. with Set Screws	SB201 - SB212	Min 12 Max 60	Min 40 Max 110
Spherical Plain bearing (Open, Rubber Seal)	GE1.0, GE2.0, GE3.0, GE4.0, GE5.0, GE6.0, GE7.0, GE8.0, GE9.0, GE10.0	Min 12 Max 90	Min 22 Max 130

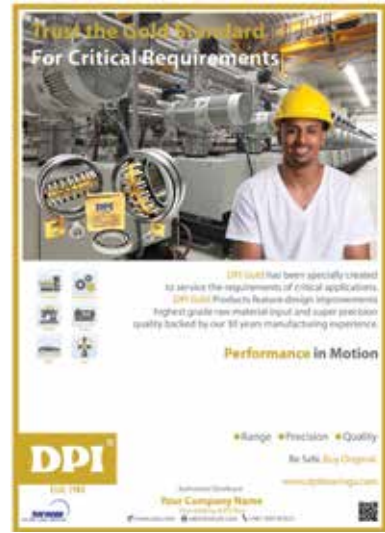
Appendix – II: DPI® Marketing Material



DPI Industrial Flyer



DPI Automotive Flyer



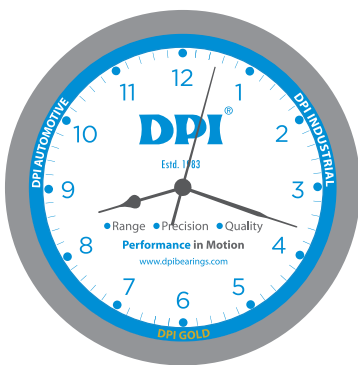
DPI Gold Flyer



DPI 2-3 Wheeler Flyer



DPI Sticker



DPI Wall Clock



DPI T-shirt



DPI Pen

3. DPI® GOLD Bearings - DPI Gold

Product Type	Typical Product #	Dimension	
		ID mm	OD mm
Deep Groove Ball Bearings (Open, Rubber Seal, Steel Shield, with and W/O Clearance)	6000-6014, 6200-6212, 6300-6312	Min - 10 Max - 70	Min - 26 Max -130
Spherical Roller Bearing (Steel Cage, Brass Cage, Tapered Bore, Single Cage, Split Cage, with and W/o Clearance)	22219-22260, 22314-22352, 23024-23056, 23120-23152, 23218-23260, 23938-23964, 24024-24064, 24124-24156, 29320-29340, 29420-29434	Min - 70 Max - 320	Min - 150 Max - 540
Taper Roller Bearing (Metric and Inch) (Single Row, Double Row, Open)	30203-210, 30302-308, 32004-008, 32206-07, 32306, 44649/10-88048/10(L,LM & M Series)	Min - 15 Max - 50	Min - 40 Max - 90

4. DPI® Grease

The best bearings can show optimum performance only when they are lubricated properly. It is therefore important to choose the right bearing grease. Our strict standards and testing parameters have helped us develop the most suitable and effective DPI® bearing grease.

Our General Purpose DPI® Lithium Bearing Grease – DGMT 3 is second to none and the quality is comparable to the best bearings greases products in the world.

DGMT 3 is a Superior Quality, general purpose Grease. It can be used for a wide range of Industrial and Automotive Applications.

Packaging

100% Stainless Steel Cans Only

- 100gms.(120pcs./carton)
- 250gms.(48pcs./carton)
- 500gms.(24pcs./carton)
- 1kg.(12pcs./carton)
- 3kg.(4pcs./carton)

Product Specification

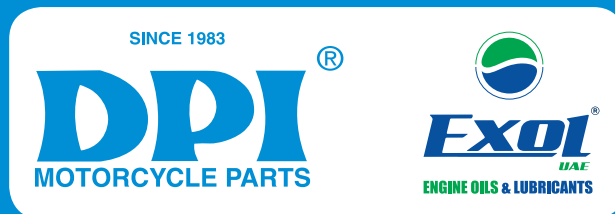
Test Parameters	Test Method	Results
Thickener Type		Lithium
NLGI Classifications		3
Texture		Smooth
Colour	Visual	Pale Light Yellow
Drop Point °C	ASTM D 566	200
Temperature Range		-30 to 120 C -22 TO 250 F
Base Oil Viscosity @ 100 °C	ASTM D445	11.1
Flash Point of Base Oil °C	ASTM D92	240
Worked Penetration @ 25 °C 6D X	ASTM D217	245
Working Stability 6D/100000 X	ASTM D217	-
Copper Corrosion 24hrs 100 °C	ASTM D 4048	Negative
Free Acidity (Oleic) by mass	ASTM D 128	NIL
Free Alkali as Ca (OH2) % by mass	ASTM D 12	0.04
Leakage and Deposit Forming Tendencies (Wheel Bearing Test) Leakage in gms. Depositions on racer roller Evidence of abnormal changes in consistency / Structure	ASTM D 1263	Pass

Performance in Motion

Estd. 1983

DPI[®]
BEARINGS

Global Aftermarket Products



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