# .4 hp Die Grinders & Disc Sanders

DYNABRADE



## **NEW Lightweight Ergonomic Design!**

DYNABRADE® DYNABRADE® DYNABRADE® DYNABRADE® DYNABRADE® DYNABRADE® DYNABRADE® DYNABRADE®

- Ideal for Rapid Material Removal, Sanding, Deburring, Finishing
- Right Angle, 7° Offset
  & Angle-Head Models
- Plus Angle-Head Drill, Buffer & Random Orbital Sander





## **Dynabrade .4 hp Die Grinders**

Dynabrade .4 hp Die Grinders are ideal for rapid material removal, deburring, finishing and polishing. Featuring NEW lightweight design, these innovative tools offer time-saving solutions to countless manufacturing and fabrication industries, including foundries, welding operations, die shops, shipyards, nuclear facilities and more!



## **Right Angle Models, Front & Rear Exhaust**

- Each model includes 1/4" Collet and 6 mm Collet.
- Governor-controlled air motor maintains speed under load.
- Tool weight is .5 oz. (15 g) lighter than previous models!
- Ergonomic tool housing with comfortable "soft touch" grip.
- Safety-lock throttle lever included, for maximum safety.

#### Front Exhaust

Model 4780012,000 RPMModel 4780115,000 RPMModel 4780220,000 RPM





Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Air Pressure PSIG (Bar)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
47800	.4 (298)	12,000	84 dB(A)	25 (708)	1/4 (6)	1/4" NPT	90 (6.2)	1.0 (.46)	6 (150)	2.9 (73)
47801	.4 (298)	15,000	86 dB(A)	25 (708)	1/4 (6)	1/4" NPT	90 (6.2)	1.0 (.46)	6 (150)	2.9 (73)
47802	.4 (298)	20,000	85 dB(A)	25 (708)	1/4 (6)	1/4" NPT	90 (6.2)	1.0 (.46)	6 (150)	2.9 (73)

Tune-Up Kit: No. 96541

#### **Rear Exhaust with Extended Muffler**

• Extended muffler ensures lowest sound levels.

Model 4600012,000 RPMModel 4600115,000 RPMModel 4600220,000 RPM



Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Air Pressure PSIG (Bar)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
46000	.4 (298)	12,000	78 dB(A)	25 (708)	1/4 (6)	1/4" NPT	90 (6.2)	1.2 (.55)	8 (203)	2.9 (73)
46001	.4 (298)	15,000	75 dB(A)	25 (708)	1/4 (6)	1/4" NPT	90 (6.2)	1.2 (.55)	8 (203)	2.9 (73)
46002	.4 (298)	20,000	78 dB(A)	25 (708)	1/4 (6)	1/4" NPT	90 (6.2)	1.2 (.55)	8 (203)	2.9 (73)

Tune-Up Kit: No. 96541

#### Rear Exhaust with Standard Muffler

• Standard muffler for more compact design.

Model 49425 *3,200 RPM* Model 48315 *12,000 RPM* Model 48316 *15,000 RPM* Model 48317 *20,000 RPM* 



Ask about our Vacuum Die Grinders!

Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Air Pressure PSIG (Bar)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
48315	.4 (298)	12,000	81 dB(A)	25 (708)	1/4 (6)	1/4" NPT	90 (6.2)	1 (.47)	6.5 (164)	2.9 (73)
48316	.4 (298)	15,000	79 dB(A)	25 (708)	1/4 (6)	1/4" NPT	90 (6.2)	1 (.47)	6.5 (164)	2.9 (73)
48317	.4 (298)	20,000	83 dB(A)	25 (708)	1/4 (6)	1/4" NPT	90 (6.2)	1 (.47)	6.5 (164)	2.9 (73)
49425	.4 (298)	3,200	81 dB(A)	25 (708)	1/4 (6)	1/4" NPT	90 (6.2)	1.5 (.68)	7.7 (196)	2.9 (73)

Tune-Up Kit: No. 96541

### 7° Offset Models, Rear Exhaust

- Each model includes 1/4" Collet and 6 mm Collet.
- Tool weight is .5 oz. (15 g) lighter than previous models!
- Ergonomic tool housing with comfortable "soft touch" grip.
- Safety-lock throttle lever included.

#### **Extended Muffler**

- Extended muffler ensures lowest sound levels.
- Gearless motor for reduced maintenance and downtime.

#### Model 48205 *25,000 RPM* Model 48207 *30,000 RPM*



Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Air Pressure PSIG (Bar)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
48205	.4 (298)	25,000	71 dB(A)	23 (651)	1/4 (6)	1/4" NPT	90 (6.2)	1.3 (.57)	8.9 (225)	3.8 (97)
48207	.4 (298)	30,000	72 dB(A)	23 (651)	1/4 (6)	1/4" NPT	90 (6.2)	1.3 (.57)	8.9 (225)	3.8 (97)

Model

48205

Tune-Up Kit: No. 96541

#### Extended Muffler (Slow Speed)

- Extended muffler ensures lowest sound levels.
- Slow speeds allow additional use as a buffing tool.

## Model 472113,200 RPMModel 472125,000 RPM



Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Air Pressure PSIG (Bar)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
47211	.4 (298)	3,200	73 dB(A)	23 (651)	1/4 (6)	1/4" NPT	90 (6.2)	1.7 (.78)	9 (228)	5.6 (143)
47212	.4 (298)	5,000	75 dB(A)	23 (651)	1/4 (6)	1/4" NPT	90 (6.2)	1.7 (.78)	9 (228)	5.6 (143)

Tune-Up Kit: No. 96541

#### Standard Muffler

- Standard muffler for more compact design.
- · Gearless motor for reduced maintenance and downtime.

#### Model 48335 *25,000 RPM* Model 48337 *30,000 RPM*



Model 49420

2.1"

(53 mm)

Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Air Pressure PSIG (Bar)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
48335	.4 (298)	25,000	73 dB(A)	23 (651)	1/4 (6)	1/4" NPT	90 (6.2)	1 (.47)	7.3 (186)	3.8 (97)
48337	.4 (298)	30,000	74 dB(A)	23 (651)	1/4 (6)	1/4" NPT	90 (6.2)	1 (.47)	7.3 (186)	3.8 (97)

Tune-Up Kit: No. 96541

## Angle-Head Model, Rear Exhaust with Extended Muffler

- · Governor-controlled air motor maintains speed under load.
- Includes 50055 Collet (1/4" only).
- Extended muffler ensures lowest sound levels.
- Safety-lock throttle lever included.
- Optional 54585 Side Handle Assembly is available.

#### Model 49420 3,200 RPM

Mode Numb		Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Diameter Inch (mm)
4942	0.4 (298)	3,200	80 dB(A)	26 (736)	1/4 (6)	1/4" NPT	1/4"-28 Female	1.9 (0.8)	11.7 (296)	2.1 (53)

## **Dynabrade .4 hp Disc Sanders**

*Dynabrade .4 hp Disc Sanders feature NEW lightweight design, ideal for fast weld removal, metal beveling in weld preparation, deburring and deflashing, surface conditioning, paint removal and more!* 

## 2" Diameter Models, Front & Rear Exhaust

- Each model on page includes 51344 Locking-Type Disc Pad.
- Ergonomic tool housing with comfortable "soft touch" grip.
- Tool weight is .5 oz. (15 g) lighter than previous models!
- Safety-lock throttle lever included, for maximum safety.

#### 7° Offset, Rear Exhaust

- Handle is offset 7° for greater operator comfort and control.
- · Gearless motor for reduced maintenance and downtime.

#### Model 48500 25,000 RPM

• Extended muffler ensures lowest sound levels.

#### Model 48503 25,000 RPM

• Standard muffler for more compact design.



Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
48500	.4 (298)	25,000	73 dB(A)	23 (650)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.3 (0.6)	8.7 (222)	3.9 (98)
48503	.4 (298)	25,000	73 dB(A)	23 (650)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.1 (.5)	7.2 (183)	3.9 (98)

Tune-Up Kit: No. 96541 • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

#### Right Angle, Front Exhaust

• Governor-controlled air motor maintains speed under load.

Model 4782012,000 RPMModel 4782115,000 RPMModel 4782220,000 RPM



### Ask about our Vacuum Disc Sanders!

Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
47820	.4 (298)	12,000	85 dB(A)	25 (708)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.1 (0.5)	4.4 (111)	3.5 (89)
47821	.4 (298)	15,000	85 dB(A)	25 (708)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.1 (0.5)	4.4 (111)	3.5 (89)
47822	.4 (298)	20,000	84 dB(A)	25 (708)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.1 (0.5)	4.4 (111)	3.5 (89)

Tune-Up Kit: No. 96541 • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

#### Right Angle, Rear Exhaust with Extended Muffler

- Extended muffler ensures lowest sound levels.
- · Governor-controlled air motor maintains speed under load.

#### Model 48520 *12,000 RPM* Model 48521 *15,000 RPM* Model 48522 *20,000 RPM*



Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
48520	.4 (298)	12,000	76 dB(A)	27 (765)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.3 (0.6)	8.2 (208)	3.5 (89)
48521	.4 (298)	15,000	79 dB(A)	27 (765)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.3 (0.6)	8.2 (208)	3.5 (89)
48522	.4 (298)	20,000	78 dB(A)	27 (765)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.3 (0.6)	8.2 (208)	3.5 (89)

#### Right Angle, Rear Exhaust with Standard Muffler

- Standard muffler for more compact design.
- Includes 51344 Locking-Type Disc Pad (2" diameter).
- Governor-controlled air motor maintains speed under load.

## Model 4854012,000 RPMModel 4854115,000 RPMModel 4854220,000 RPM





Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
48540	.4 (298)	12,000	81 dB(A)	27 (765)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.1 (0.5)	4.9 (124)	3.5 (89)
48541	.4 (298)	15,000	83 dB(A)	27 (765)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.1 (0.5)	4.9 (124)	3.5 (89)
48542	.4 (298)	20,000	81 dB(A)	27 (765)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.1 (0.5)	4.9 (124)	3.5 (89)

Tune-Up Kit: No. 96541 • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

### **2" Diameter Angle-Head Model, Rear Exhaust with Extended Muffler**

#### Model 49410 3,200 RPM

- Tool has 1/4"-28 female thread. Comes mounted with 54021 Adapter for pads with 1/4"-20 female thread.
- Includes **50107 Pad** (2" diameter) for PSA (adhesive backed) abrasive discs.
- Governor-controlled motor maintains speed under load.
- Safety-lock throttle lever included, for maximum safety.
- Optional 54030 Rotary Sanding Head permits locking-type male thread pad to be mounted.
- Optional 54585 Side Handle available.

O'YNABRA		Model 49410	
DYNABRA	DE a		1

Model	Motor	Motor	Sound	Maximum Air Flow	Hose I.D. Size	Air Inlet	Tool	Weight	Length	Height
Number	hp (W)	RPM	Level	SCFM (L/Min)	Inch (mm)	Thread	Thread	Pound (kg)	Inch (mm)	Inch (mm)
49410	.4 (298)	3,200	78 dB(A)	26 (736)	1/4 (6)	1/4" NPT	1/4"-28 Female	1.9 (0.9)	12.5 (319)	2.6 (65)

Tune-Up Kit: No. 96541 • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

### **3" Diameter Model, Rear Exhaust**

- · Governor-controlled air motor maintains speed under load.
- Each model includes 51346 Locking-Type Disc Pad.
- Ergonomic tool housing with comfortable "soft touch" grip.
- Tool weight is .5 oz. (15 g) lighter than previous models!
- Safety-lock throttle lever included, for maximum safety.

#### Right Angle, Extended Muffler

• Extended muffler ensures lowest sound levels.

Model 4853012,000 RPMModel 4853115,000 RPMModel 4853220,000 RPM





Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
48530	.4 (298)	12,000	81 dB(A)	21 (595)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.2 (0.5)	7-3/8 (187)	3-1/8 (79)
48531	.4 (298)	15,000	80 dB(A)	21 (595)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.2 (0.5)	7-3/8 (187)	3-1/8 (79)
48532	.4 (298)	20,000	83 dB(A)	21 (595)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.2 (0.5)	7-3/8 (187)	3-1/8 (79)

## .4 hp Angle-Head Tools

### With Extended Rear Exhaust Muffler



1.2"

(30 mm)

Angle Height

### **Angle-Head Drill**

- Accepts 1/4"-28 threaded drill bits, sold separately.
- Angle height of only 1.2" (30 mm).
- Governor-controlled motor maintains speed under load.
- Safety-lock throttle lever included, for maximum safety.

#### Model 49455 950 RPM

• USA Government National Stock Number 5130015498848.

#### Model 49430 3,200 RPM

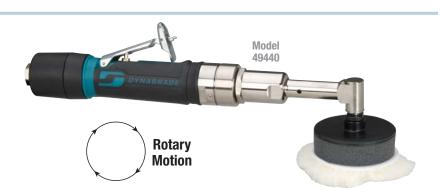
Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Spindle Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
49430	.4 (298)	3,200	79 dB(A)	26 (736)	1/4 (6)	1/4" NPT	1/4"-28 Female	1.9 (.9)	11.7 (296)	1.2 (30)
49455	.4 (298)	950	77 dB(A)	26 (736)	1/4 (6)	1/4" NPT	1/4"-28 Female	2.1 (.9)	13 (329)	1.2 (30)

Tune-Up Kit: No. 96541

### **Angle-Head Buffer**

#### Model 49440 3" Diameter, 3,200 RPM

- Tool comes mounted with 54021 Adapter (1/4"-20 male thread). Safety-lock throttle lever, rotary action.
- Governor-controlled motor maintains speed under load.
- Includes 50120 Hook-Face Pad (3" diameter), which mounts directly to 54021 Adapter.
- Also includes 90027 Terry Cloth Bonnet and 90028 Wool Buffing Bonnet.



Model 49455

Model	Motor	Motor	Sound	Maximum Air Flow	Hose I.D. Size	Air Inlet	Tool	Weight	Length	Height
Number	hp (W)	RPM	Level	SCFM (L/Min)	Inch (mm)	Thread	Thread	Pound (kg)	Inch (mm)	Inch (mm)
49440	.4 (298)	3,200	79 dB(A)	26 (736)	1/4 (6)	1/4" NPT	1/4"-28 Female	1.9 (.9)	13 (331)	2.6 (67)

Tune-Up Kit: No. 96541 • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

## Angle-Head Mini-Dynorbital®

- · Built-in speed regulator, safety-lock throttle lever included.
- · Governor-controlled motor maintains speed under load.
- Sample 9-micron micro-finishing film discs are included.
- Optional 54585 Side Handle Assembly available.

#### Model 49400 3,200 RPM

- 54028 Random Orbital Sanding Head accepts sanding pads with 1/4"-20 female thread.
- Includes 1-1/4" dia. medium density pad (54018), which has 1/4"-20 female thread and mounts to sanding head.

Model 49401 3,200 RPM

- 54029 Random Orbital Sanding Head accepts male locking-type pads.
- Includes 1-1/4" dia. soft density locking-type pad (54031), which has male locking-type thread and mounts to sanding head.



Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
49400	.4 (298)	3,200	80 dB(A)	26 (736)	1/4 (6)	1/4" NPT	1/4"-28 Female	1.9 (.9)	12.4 (316)	3 (77)
49401	.4 (298)	3,200	80 dB(A)	26 (736)	1/4 (6)	1/4" NPT	1/4"-28 Female	1.9 (.9)	12.4 (316)	2.9 (74)

## **Angle-Head Versatility Kit**

## Excellent for Repairing Dust Nibs on Clearcoat, Minor Surface Defects

#### 49403 Sander/Buffer Versatility Kit

 Includes: 3,200 RPM air tool, 54028 Random Orbital Sanding Head, 50120 Hook 'n Loop Pad for Bonnets, 54018 Sanding Pad, 54021 Adapter, 90028 Wool Bonnet, assorted wrenches, 90027 Terry Cloth Bonnet, 95723 Finesse Sanding Creme, 95727 Dynabrade Glaze, 54017 Sanding Pad and sample abrasives.





## **Carbide Burrs & Kit**

## For Use With Die Grinders on Pages 2-3

#### 93350 1/4" Dynaburr Carbide Burr Kit

- Used for grinding, deburring, and finishing on stainless steel and other metals.
- 8 piece kit includes: 93330, 93331, 93332, 93333, 93334, 93335, 93336, 93337.
- For use with 1/4" Collet Die Grinders.
- Packaged in high-quality wooden case.
- All Carbide Burrs may be ordered separately (see below).
- 6 mm Carbide Burr Kit (93380) also available.



	'n		Ŵ				Â	
Shape	Cylinder	Cylinder	Cylinder Radiused End	Cylinder Radiused End	Ball	Oval	Tree Radiused End	Taper Radiused End
Tool Style	SA-1	SA-3	SC-1	SC-3	SD-3	SE-3	SF-3	SL-3
Cut Style	Double	Double	Double	Double	Double	Double	Double	Double
1/4" Part No.	93330	93331	93332	93333	93334	93335	93336	93337
Cutter Dia.	1/4"	3/8"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
Flute Length	5/8"	3/4"	5/8"	3/4"	5/16"	5/8"	3/4"	1-1/16"
Shank	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
6 mm Part No.	93360	93361	93362	93363	93364	93365	93366	93367
Cutter Dia.	6 mm	9 mm	6 mm	9 mm	9 mm	9 mm	9 mm	9 mm
Flute Length	16 mm	19 mm	16 mm	19 mm	8 mm	16 mm	19 mm	27 mm
Shank	6 mm	6 mm	6 mm	6 mm	6 mm	6 mm	6 mm	6 mm

## **Dynaswivel<sup>®</sup> Air Line Connector**

### Never Fight an Air Hose Again!

- The Dynaswivel<sup>®</sup> is a patented "universal-joint" that connects portable air tools to an air line.
- Swivels 360° AT TWO PIVOT POINTS, allowing the air hose to drop directly to the floor while providing superb tool handling.
- Improves tool maneuverability and air flow, minimizes operator fatigue and extends hose life.
- Many other configurations available.

95460 Aluminum, 1/4" NPT 94300 Composite, 1/4" NPT



## **Disc Sander Backup Pads**

### For Use With Models on Pages 4-5

#### **Pads for Locking-Type Discs**

#### 2" (51 mm) and 3" (76 mm) Dia. Pads

- A quick turn of the disc locks it into place.
- 2" (51 mm) and 3" (76 mm) dia. pads include 50103 Pad Adapter to convert 1/4"-20 female thread to 1/4" dia. shank, for use with Collets and Chucks.



Pad Diameter	Part Number	Pad MOS RPM	Thread	Density	
2" (51 mm)	51344*	30,000	1/4"-20 Female	Medium	
2 (51 1111)	51345	30,000	3/8"-24 Female	Medium	
211 (76 mm)	51346*	20,000	1/4"-20 Female	Medium	
3" (76 mm)	51347	20,000	3/8"-24 Female	Medium	

\*Includes 50103 Pad Adapter to convert 1/4"-20 female thread to 1/4" dia. shank for use with collets and chucks

#### 50111 Disc Pad Conversion Assembly 2" (51 mm) Dia. Pad

 Includes 50107 PSA Disc Pad and 50103 Pad Adapter. Converts 1/4"-20 female thread to 1/4" dia. shank, for use with Collets and Chucks.



#### Pads for PSA-Type Discs 2" (51 mm) Dia. Pad

• Easy application and removal of disc. Remove the disc's liner to reveal a pressure-sensitive adhesive coating. Peel the old disc off the pad, and press on the new disc!



PRINTED IN USA



Pad Diameter	Part Number	Pad MOS RPM	Thread	Density
2" (51 mm)	50107	20,000	1/4"-20 Female	Medium
2 (51 11111)	50109	20,000	3/8"-24 Female	Medium

### For More Tools and Related Accessories, Visit: Dynabrade.com

©DYNABRADE, INC., 2012



EL-54, TTC Industrial Area, M.I.D.C. Mahape, Electronic Zone, Navi Mumbai - 400705 Maharashtra, India • Telephone: +91 22 2763 2226 • Fax: +91 22 2763 2228