

World Wide Sales Network



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Surface
**GRINDING
SEGMENTS**



POPULAR SEGMENT SIZES

(Dimensions in mm & inch)

| | | | | | |
|--|--|--|--|--|--|
| | STL-SG-019 STYLE-CD • 285.75 X 57.15 X 152.4 (11.25" X 2.25" X 6") • 285.75 X 57.15 X 203.2 (11.25" X 2.25" X 8") • 285.75 X 76.2 X 203.2 (11-1/4" X 3" X 8") | | STL-SG-003 STYLE-SC • 103.19/84.14 X 38.1 X 152.4 (4.06"/3.31" X 1.5" X 6") • 203.2 X 84.14/103.19 X 38.10 (B" X 3.31"/4.06" X 1.5") • 185 X 62/56 X 20 (7.28" X 2.44"/2.20" X 0.87") • 87/103.5 X 38 X 200 (3.42"/3.54" X 1.49" X 7.87") | | STL-SG-002 • 100 X 65-57 X 60-33 (3.93" X 2.55"-2.24" X 2.36"-1.29") |
| | STL-SG-023 STYLE-NO • 127 X 38.1 X 152.4 (5" X 1.5" X 6") • 66.04/55 X 30.54 X 100 (2.6"/2.16" X 1.20" X 3.93") | | STL-SG-013 STYLE-BL • 170.06 X 45 X 46 (6.69" X 1.77" X 1.81") | | STL-SG-011 • 60/65 X 20 X 65 (2.36"/2.55" X 0.78" X 2.55") • 84/80 X 24 X 120 (3.30"/3.14" X 0.94" X 4.72") • 19.5 X 80 X 70 (0.76" X 3.14" X 2.75") • 150 X 80/71 X 25 (5.90" X 3.14"/2.79" X 0.98") |
| | STL-SG-020 STYLE-SO • 103/94 X 38 X 180 (4.05"/3.70" X 1.49" X 7.08") • 57/65 X 25 X 105 (2.24"/2.55" X 0.98" X 4.13") • 100/85 X 40 X 150 (3.93"/3.34" X 1.57" X 5.90") • 152.4 X 84.14/103.19 X 38.10 (6" X 3.31"/4.06" X 1.5") | | STL-SG-016 STYLE-SE • 90 X 50-45 X 16 (3.54" X 1.96"-1.77" X 0.62") • 125/85 X 35 X 140 (4.92"/3.34" X 1.37" X 5.51") • 68/57 X 30 X 130 (2.67"/2.24" X 1.37" X 5.11") • 100 X 45/50 X 16 (3.93" X 1.77"/1.96" X 0.62") | | STL-SG-005 • 74.61/61.91 X 90.48 X 50.8 (2.93"/2.43" X 3.56" X 2") |
| | STL-SG-022 STYLE-SA • 117.48 X 73.025 X 247.65 (4.62" X 2.87" X 9.75") • 33.83 X 88.9 X 196.85 (1.332" X 3.50" X 7-3/4") • 152.4 X 152.4 X 100 (6" X 6" X 3.93") • 150 X 80 X 25 (6" X 3" X 1") | | STL-SG-015 STYLE-SC • 305 X 222/130 X 95 (2.54" X 8.75"/5.11" X 3.74") • 107.16 X 44.45 X 25 (4.21" X 1.75" X 10") | | STL-SG-007 • 125 X 60/25 X 15 (4.92" X 2.36"/0.98" X 0.59") • 64.3/38 X 20 X 60 (2.53"/1.49" X 0.78" X 2.36") |
| | STL-SG-021 STYLE-AA • 281.30 X 84.22 X 153.80 (11.075" X 3.316" X 6.055") | | STL-SG-001 STYLE-SB • 118 X 40.50 X 200 (4.64" X 1.59" X 7.87") • 110/90 X 45 X 200 (4.33"/3.54" X 1.11" X 7.87") • 100/85 X 38 X 200 (3.93"/3.34" X 1.49" X 7.87") • 117/88 X 45 X 200 (4.60"/3.46" X 1.77" X 7.87") | | STL-SG-008 • 222.25/155.58 X 76.2 X 304.8 (8.75"/6.12" X 3" X 12") |
| | STL-SG-009 STYLE-STG • 173.03 X 38.1 X 127 (6.81" X 1.5" X 5") | | | | STL-SG-014 • 165/114.3 X 131.75 X 228.6 (6-1/2" /4-1/2" X 2-1/4" X 9") |
| | | | | | STL-SG-017 • 92.08/68.27 X 24.05 X 142.08 (3.62"/2.68" X 0.94" X 5.59") |
| | | | | | STL-SG-018 • 120/80 X 44.5 X 200 (4.72"/3.14" X 0.17" X 7.87") |

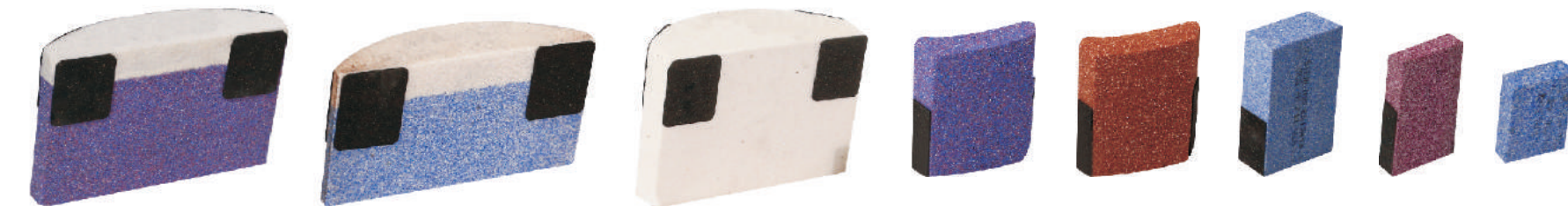
COMPANY PROFILE

Sterling Abrasives Limited (SAL) is an ISO 9001 : 2015 certified enterprise manufacturing a wide range of grinding wheels for the past five decades. We are one of the leading manufacturers of Grinding wheels, making full range of Vitriified and Resin Bonded grinding wheels upto Diameter 1220mm. Our quality is comparable with the best in the industry. We pride ourselves for our ability to provide :

- Consistent high quality products
- On time, error-free shipments
- Prompt, accurate information and answers

Sterling Abrasives Limited today caters to the need of major industries like Auto, Auto components, Bearing, Steel, Spring, Surgical blades, General engineering, Foundry, Glass, Agri sector etc. With the in house development, Sterling Abrasives Limited has mastered the manufacturing of Rice Whitening stones and is the largest supplier of Rice Whitening Stones in India.

Sterling Abrasives is manufacturing all standard shapes of abrasive segments and is also capable to produce any special request, grade, dimensions and shapes adapted to any type of operations in vitriified and resin bond.



TROUBLE SHOOTING GUIDE

Segment Acting Too hard/Burning/Low Stock Removal

- 1) Increase rate of automatic downfeed
- 2) Decrease table rotation speed
- 3) Dress more frequently
- 4) Reduce area of table load (If more then one piece is being ground, or step grind)
- 5) Check coolant for maximum flow
- 6) Use softer segment specification

Segment Acting Too Soft/Changing Segments Too Frequently

- 1) Decrease rate of automatic downflow
- 2) Increase table rotation speed
- 3) Check for abnormal machine vibration caused by improper mounting of segments or excessive build-up of sludge on inside of segment holder
- 4) Use harder segment specification

Poor Surface Finish

- 1) Decrease table speed
- 2) Slow finish downfeed rate and spark out
- 3) If grinding dry, try grinding wet
- 4) Check coolant for maximum flow
- 5) Check coolant for excessive contamination
- 6) Use finer grit segment

Recommendations For Reducing Grindimg Costs Per Piece

- 1) Select abrasives type best suitable to material being ground
- 2) Use coarse grit size such as 24 or 30 grit whenever possible - use spark out to obtain required finish
- 3) Select the hardest grade that will not burn the work piece or cause machine power over load
- 4) Select softer grade for general purpose applications or to grind a wide variety of materials
- 5) Select the highest maximum downfeed that will not burn the work piece, prematurely break down the segment, or cause machine power overload