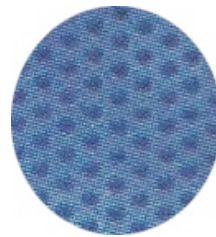
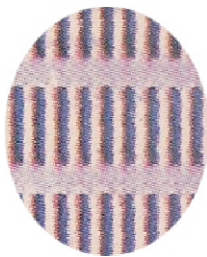
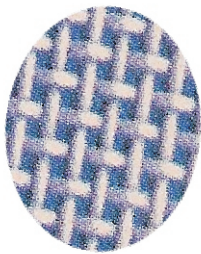
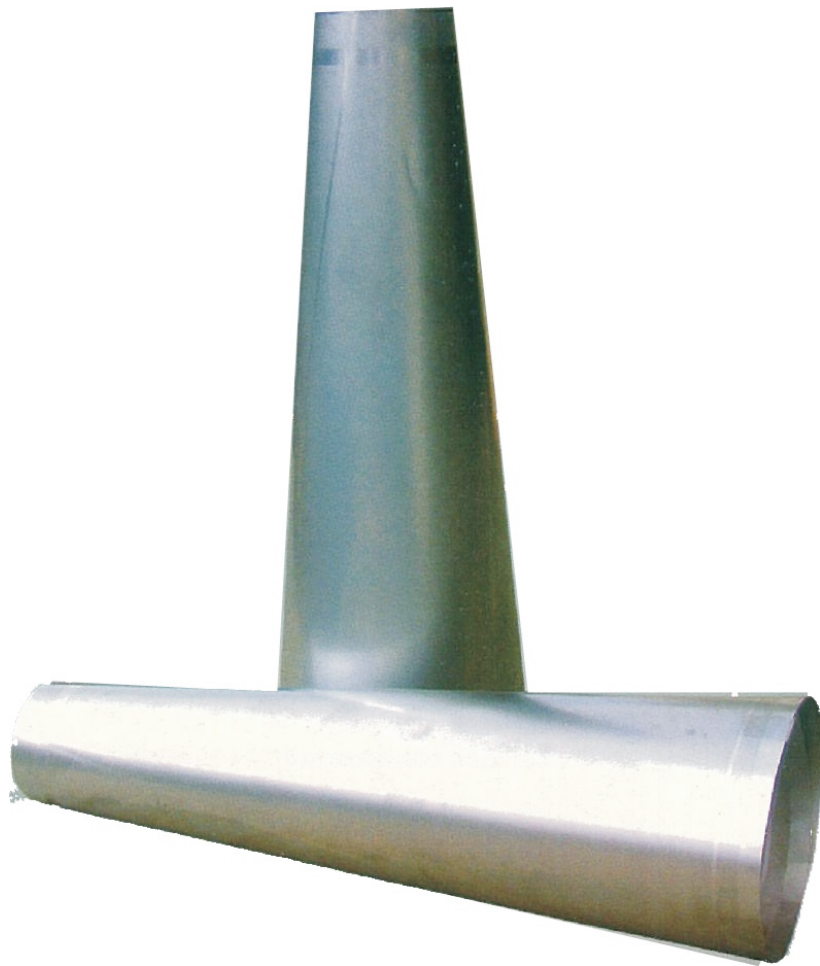


BHARTIYA

SS SCREENS & Nickel Screens



Manufacturer, Dealer & Exporter:

BHARTIYA ENTERPRISES,

Mumbai, INDIA.

SCREENS FOR ANY APPLICATION

MESH AND GAUGE (S W G.) TO EQUIVALENT APERTURE SIZE & SCREENING AREA

| Mesh Per Inch | SWG | WIRE DIAMETER | | APERTURE | | SCREENING AREA % |
|---------------|-----|---------------|------|----------|-------|------------------|
| | | Inch | M.M. | Inch | M.M. | |
| 2 | 10 | .128 | 3.25 | .372 | 9.45 | 55 |
| | 12 | .104 | 2.64 | .396 | 10.06 | 63 |
| | 14 | .080 | 2.03 | .420 | 10.67 | 71 |
| | 16 | .064 | 1.63 | .436 | 11.07 | 76 |
| 2-2½ | 10 | .128 | 3.25 | .272 | 6.91 | 46 |
| | 12 | .104 | 2.64 | .296 | 7.52 | 55 |
| | 14 | .080 | 2.03 | .320 | 8.13 | 64 |
| | 16 | .064 | 1.63 | .336 | 8.53 | 71 |
| 3 | 10 | .128 | 3.25 | .205 | 5.21 | 38 |
| | 12 | .104 | 2.64 | .229 | 5.82 | 47 |
| | 14 | .080 | 2.03 | .253 | 6.43 | 58 |
| | 16 | .064 | 1.63 | .269 | 6.84 | 65 |
| 4 | 12 | .104 | 2.64 | .146 | 3.71 | 34 |
| | 14 | .080 | 2.03 | .170 | 4.32 | 46 |
| | 16 | .064 | 1.63 | .186 | 4.72 | 55 |
| | 18 | .048 | 1.22 | .202 | 5.13 | 65 |
| | 20 | .036 | .914 | .214 | 5.44 | 73 |
| 5 | 14 | .080 | 2.03 | .120 | 3.05 | 36 |
| | 16 | .064 | 1.63 | .136 | 3.45 | 46 |
| | 18 | .048 | 1.22 | .152 | 3.86 | 58 |
| | 20 | .036 | .914 | .164 | 4.17 | 67 |
| | 22 | .028 | .711 | .172 | 4.37 | 74 |
| 6 | 16 | .064 | 1.63 | .103 | 2.62 | 38 |
| | 18 | .048 | 1.22 | .119 | 3.02 | 51 |
| | 20 | .036 | .914 | .131 | 3.32 | 62 |
| | 22 | .028 | .711 | .139 | 3.53 | 70 |
| | 24 | .022 | .559 | .151 | 3.83 | 80 |
| 7 | 16 | .064 | 1.63 | .0788 | 2.00 | 30 |
| | 18 | .048 | 1.22 | .0948 | 2.41 | 44 |
| | 20 | .036 | .914 | .107 | 2.72 | 56 |
| | 22 | .028 | .711 | .115 | 2.92 | 65 |
| | 24 | .022 | .559 | .127 | 3.23 | 77 |
| 8 | 16 | .064 | 1.63 | .0610 | 1.55 | 24 |
| | 18 | .048 | 1.22 | .0770 | 1.96 | 38 |
| | 20 | .036 | .914 | .0890 | 2.26 | 51 |
| | 22 | .028 | .711 | .0970 | 2.46 | 60 |
| | 24 | .022 | .559 | .103 | 2.62 | 68 |
| 9 | 18 | .048 | 1.22 | .0631 | 1.60 | 32 |
| | 20 | .036 | .914 | .0751 | 1.91 | 46 |
| | 22 | .028 | .711 | .0831 | 2.11 | 56 |
| | 24 | .022 | .559 | .0891 | 2.26 | 64 |
| | 26 | .018 | .457 | .100 | 2.54 | 75 |
| 10 | 20 | .036 | .914 | .0640 | 1.63 | 41 |
| | 22 | .028 | .711 | .0720 | 1.83 | 52 |
| | 24 | .022 | .559 | .0780 | 1.98 | 61 |
| | 26 | .018 | .457 | .0820 | 2.08 | 67 |
| | 28 | .015 | .381 | .087 | 2.21 | 74 |
| 12 | 20 | .036 | .914 | .0473 | 1.20 | 32 |
| | 22 | .028 | .711 | .0553 | 1.40 | 44 |
| | 24 | .022 | .559 | .0613 | 1.56 | 54 |
| | 26 | .018 | .457 | .0653 | 1.66 | 61 |
| | 28 | .015 | .381 | .070 | 1.78 | 70 |
| 14 | 22 | .028 | .711 | .0434 | 1.10 | 37 |
| | 24 | .022 | .559 | .0494 | 1.25 | 48 |
| | 26 | .018 | .457 | .0534 | 1.36 | 56 |
| | 28 | .015 | .376 | .0566 | 1.43 | 63 |
| | 30 | .012 | .305 | .060 | 1.52 | 71 |

| Mesh Per Inch | SWG | WIRE DIAMETER | | APERTURE | | SCREENING AREA % |
|---------------|-----|---------------|-------|----------|------|------------------|
| | | Inch | M.M. | Inch | M.M. | |
| 16 | 24 | .022 | .559 | .0405 | 1.03 | 42 |
| | 26 | .018 | .457 | .0445 | 1.13 | 51 |
| | 28 | .0148 | .376 | .0477 | 1.21 | 58 |
| | 30 | .0124 | .315 | .0501 | 1.27 | 64 |
| | 32 | .0108 | .274 | .0525 | 1.33 | 70 |
| 18 | 24 | .022 | .559 | .0336 | .853 | 36 |
| | 26 | .018 | .457 | .0376 | .955 | 46 |
| | 28 | .0148 | .376 | .0408 | 1.04 | 54 |
| | 30 | .0124 | .315 | .0432 | 1.10 | 60 |
| | 32 | .0108 | .274 | .0456 | 1.16 | 66 |
| 20 | 24 | .022 | .559 | .0280 | .711 | 31 |
| | 26 | .018 | .457 | .0320 | .813 | 41 |
| | 28 | .0148 | .376 | .0352 | .892 | 50 |
| | 30 | .0124 | .315 | .0376 | .955 | 57 |
| | 32 | .0108 | .274 | .0400 | 1.02 | 64 |
| 22 | 26 | .018 | .457 | .0275 | .699 | 36 |
| | 28 | .0148 | .376 | .0307 | .780 | 45 |
| | 30 | .0124 | .315 | .0331 | .839 | 53 |
| | 32 | .0108 | .274 | .0346 | .879 | 58 |
| | 34 | .0092 | .234 | .0361 | .919 | 64 |
| 24 | 26 | .018 | .457 | .0237 | .602 | 32 |
| | 28 | .0148 | .376 | .0269 | .683 | 41 |
| | 30 | .0124 | .315 | .0293 | .744 | 49 |
| | 32 | .0108 | .274 | .0309 | .785 | 55 |
| | 34 | .0092 | .234 | .0324 | .826 | 61 |
| 26 | 28 | .0148 | .376 | .0237 | .602 | 38 |
| | 30 | .0124 | .315 | .0261 | .663 | 46 |
| | 32 | .0108 | .274 | .0277 | .704 | 52 |
| | 34 | .0092 | .234 | .0292 | .742 | 58 |
| | 36 | .0076 | .193 | .0307 | .781 | 64 |
| 28 | 30 | .0124 | .315 | .0233 | .592 | 43 |
| | 32 | .0108 | .274 | .0249 | .632 | 49 |
| | 34 | .0092 | .234 | .0265 | .673 | 55 |
| | 36 | .0076 | .193 | .0281 | .714 | 62 |
| | 38 | .0060 | .152 | .0297 | .755 | 68 |
| 30 | 30 | .0124 | .315 | .0209 | .531 | 39 |
| | 32 | .0108 | .274 | .0225 | .572 | 46 |
| | 34 | .0092 | .234 | .0241 | .612 | 52 |
| | 36 | .0076 | .193 | .0257 | .653 | 59 |
| | 38 | .0060 | .152 | .0273 | .693 | 67 |
| 40 | 32 | .0108 | .274 | .0142 | .361 | 32 |
| | 34 | .0092 | .234 | .0158 | .401 | 40 |
| | 36 | .0076 | .193 | .0174 | .442 | 48 |
| | 38 | .0060 | .152 | .0190 | .483 | 58 |
| | 40 | .0048 | .122 | .0206 | .524 | 67 |
| 50 | 34 | .0092 | .234 | .0108 | .275 | 29 |
| | 36 | .0076 | .193 | .0124 | .315 | 38 |
| | 38 | .0060 | .152 | .0140 | .356 | 49 |
| | 40 | .0048 | .122 | .0152 | .386 | 58 |
| | 42 | .0040 | .102 | .0164 | .416 | 67 |
| 60 | 36 | .0076 | .193 | .0090 | .229 | 30 |
| | 38 | .0060 | .152 | .0107 | .271 | 41 |
| | 40 | .0048 | .122 | .0119 | .301 | 51 |
| | 42 | .0040 | .102 | .0127 | .323 | 58 |
| | 44 | .0032 | .0813 | .0135 | .345 | 67 |
| 80 | 38 | .0060 | .152 | .0065 | .165 | 27 |
| | 40 | .0048 | .122 | .0077 | .196 | 38 |
| | 42 | .0040 | .102 | .0085 | .216 | 46 |
| 100 | 42 | .0040 | .102 | .0060 | .152 | 36 |
| | 44 | .0032 | .0813 | .0068 | .172 | 46 |
| | 46 | .0028 | .0714 | .0076 | .192 | 56 |

SCREENS FOR SUGAR INDUSTRY

Standard Pattern of Perforated Sheet Hole & Opening Area

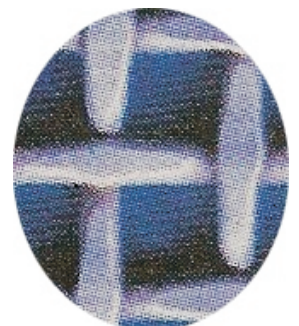
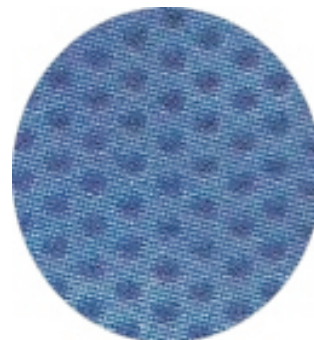
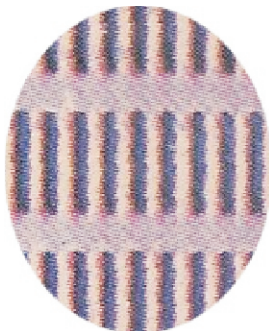
Standard Chemical Composition of Alloy Stainless Steel

| Sr. No. | Pattern No. | Hole Dia In MM | Pitch In MM | Hole Per Sq. Inch | Open Area |
|---------|-------------|----------------|-------------|-------------------|-----------|
| 1. | 3 | 0.50 | .080 | 1300 | 35.15 |
| 2. | 3 | 0.55 | 0.95 | 920 | 30.16 |
| 3. | 3 | 0.60 | 1.05 | 720 | 29.40 |
| 4. | 3 | 0.65 | 1.10 | 576 | 31.43 |
| 5. | 3½ | 0.70 | 1.20 | 529 | 30.63 |
| 6. | 4 | 0.80 | 1.60 | 350 | 22.50 |
| 7. | 4½ | 0.90 | 1.90 | 255 | 20.20 |
| 8. | 5 | 1.00 | 2.25 | 144 | 18.00 |
| 9. | 5 | 1.00 | 2.00 | 196 | 22.50 |
| 10. | 5 1/4 | 1.10 | 2.50 | 132 | 26.30 |
| 11. | 5½ | 1.25 | 2.40 | 132 | 27.63 |
| 12. | 5 3/4 | 1.30 | 2.35 | 132 | 30.00 |
| 13. | 6 | 1.45 | 2.70 | 95 | 26.00 |
| 14. | 6 1/4 | 1.50 | 2.70 | 115 | 28.00 |
| 15. | 6½ | 1.60 | 2.80 | 72 | 28.00 |
| 16. | 7 | 1.80 | 3.20 | 66 | 28.50 |
| 17. | 7½ | 2.00 | 3.90 | 45 | 23.70 |
| 18. | 8 | 2.40 | 4.15 | 47 | 30.00 |
| 19. | 8½ | 2.50 | 4.15 | 47 | 32.66 |
| 20. | 9 | 2.80 | 5.10 | 29 | 27.00 |
| 21. | 9 1/4 | 3.00 | 6.00 | 20 | 22.50 |
| 22. | 10 | 3.175 | 5.80 | 28.75 | 28.00 |
| 23. | 10½ | 3.40 | 6.25 | 28.75 | 26.50 |
| 24. | 11 | 4.00 | 6.00 | 19 | 40.00 |
| 25. | 11½ | 4.75 | 8.00 | 11.25 | 31.70 |
| 26. | 12 | 5.15 | 8.50 | 11.25 | 34.50 |
| 27. | 12½ | 5.55 | 8.00 | 11.25 | 43.30 |
| 28. | 13 | 6.35 | 8.50 | 9 | 40.00 |
| 29. | 14 | 7.00 | 11.00 | 7 | 32.00 |
| 30. | 15 | 8.00 | 13.00 | 6.20 | 28.17 |
| 31. | 16 | 9.52 | 14.25 | 4.00 | 40.00 |
| 32. | 17 | 12.70 | 10.05 | 2.50 | 40.00 |
| 33. | 18 | 15.85 | 23.50 | - | 40.00 |
| 34. | 19 | 19.00 | 28.00 | - | 40.00 |
| 35. | 5 | 1.00 | 1.30 | 450 | 53.25 |
| 36. | 5½ | 1.25 | 1.60 | 240 | 50.60 |
| 37. | 6 | 1.45 | 1.90 | 185 | 52.40 |
| 38. | 7 | 1.85 | 2.40 | 120 | 50.40 |
| 39. | 9 | 2.50 | 4.00 | 58 | 44.10 |

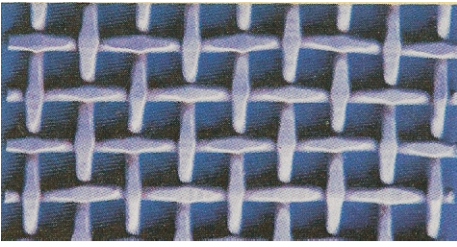
| TYPE: AISI | C Max. | Mn Max. | P Max. | S Max. | Sr Max. | Cr | Ni | Mo | Cb |
|------------|--------|---------|--------|--------|----------|-------|--------|-------|-------|
| 202 | 0.15 | 7.5/10 | 0.060 | 0.030 | 1.00 | 17/19 | 4/6 | - | - |
| 302 | 0.15 | 2.00 | 0.045 | 0.030 | 0.75 | 17/19 | 8/10 | - | - |
| 304 | 0.08 | 2.00 | 0.045 | 0.030 | 0.75 | 18/20 | 8/10.5 | - | - |
| 304L | 0.03 | 2.00 | 0.045 | 0.030 | 0.75 | 18/20 | 8/12 | - | - |
| 308 | 0.08 | 2.00 | 0.045 | 0.030 | 0.75 | 19/21 | 10/12 | - | - |
| 308L | 0.03 | 2.00 | 0.045 | 0.030 | 1.00 | 19/21 | 10/12 | - | - |
| 309L | 0.03 | 2.00 | 0.045 | 0.030 | 1.00 | 22/24 | 12/15 | - | - |
| 310 | 0.25 | 2.00 | 0.045 | 0.030 | 0.9 | 24/26 | 19/22 | - | - |
| 312 | 0.15 | 2.00 | 0.045 | 0.030 | 0.75 | 28/32 | 8/10.5 | - | - |
| 316 | 0.08 | 2.00 | 0.045 | 0.030 | 0.75 | 16/18 | 10/14 | 2/3 | - |
| 316L | 0.030 | 2.00 | 0.045 | 0.030 | 1.00 | 16/18 | 10/14 | 2/2.5 | - |
| 317 | 0.08 | 2.00 | 0.045 | 0.030 | 0.75 | 18/20 | 11/15 | 3/4 | - |
| 318L | 0.030 | 2.00 | 0.045 | 0.030 | 1.00 | 17/20 | 11/14 | 2/3 | - |
| 321 | 0.08 | 2.00 | 0.045 | 0.030 | 1.00 | 17/19 | 9/12 | - | - |
| 330 | 0.08 | 2.00 | 0.040 | 0.030 | 0.75/1.5 | 17/20 | 34/37 | - | - |
| 347 | 0.08 | 2.00 | 0.045 | 0.030 | 1.00 | 17/19 | 9/13 | - | 0.6/1 |
| 430 | 0.12 | 1.00 | 0.040 | 0.030 | 1.00 | 16/18 | - | - | - |

Standard Wire Gauge Chart

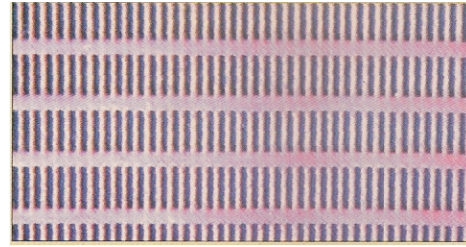
| SWG No. | Dia Inch | Dia MM | SWG No. | Dia Inch | Dia MM | SWG No. | Dia Inch | Dia MM |
|---------|----------|--------|---------|----------|--------|---------|----------|--------|
| 4 | .232 | 5.8928 | 20 | .036 | 0.9144 | 36 | .0076 | 0.1930 |
| 5 | .212 | 5.3848 | 21 | .032 | 0.8128 | 37 | .0068 | 0.1727 |
| 6 | .192 | 4.8768 | 22 | .028 | 0.7112 | 38 | .0060 | 0.1524 |
| 7 | .176 | 4.4704 | 23 | .024 | 0.6096 | 39 | .0052 | 0.1321 |
| 8 | .160 | 4.0640 | 24 | .022 | 0.5588 | 40 | .0048 | 0.1219 |
| 9 | .144 | 3.6576 | 25 | .020 | 0.5080 | 41 | .0044 | 0.1118 |
| 10 | .128 | 3.2512 | 26 | .018 | 0.4572 | 42 | .0040 | 0.1016 |
| 11 | .116 | 2.9464 | 27 | .0164 | 0.4166 | 43 | .0036 | 0.0914 |
| 12 | .104 | 2.6416 | 28 | .0148 | 0.3759 | 44 | .0032 | 0.0813 |
| 13 | .092 | 2.3368 | 29 | .0136 | 0.3454 | 45 | .0028 | 0.0711 |
| 14 | .080 | 2.0320 | 30 | .0124 | 0.3150 | 46 | .0024 | 0.0610 |
| 15 | .072 | 1.8288 | 31 | .0116 | 0.2946 | 47 | .0020 | 0.0508 |
| 16 | .064 | 1.6256 | 32 | .0108 | 0.2946 | 48 | .0016 | 0.0406 |
| 17 | .056 | 1.4224 | 33 | .0100 | 0.2540 | 49 | .0012 | 0.0305 |
| 18 | .048 | 1.2192 | 34 | .0092 | 0.2337 | 50 | .0010 | 0.0254 |
| 19 | .040 | 1.0160 | 35 | .0084 | 0.2134 | - | - | - |



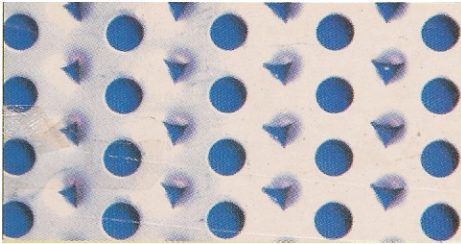
SHAPE & TYPE OF SCREENS



**Dovex Type
Wire Mesh**



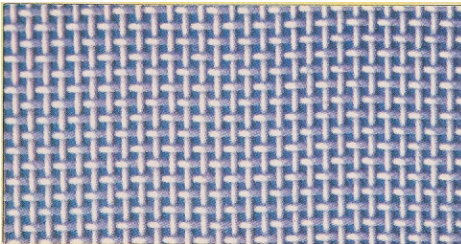
**Fine Round
Holes**



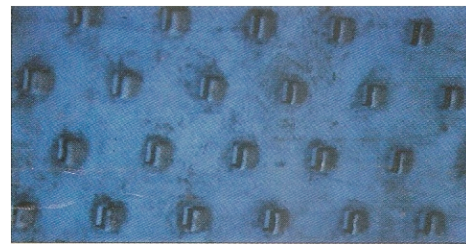
**One Round
One Triangular
Stabbed Hole**



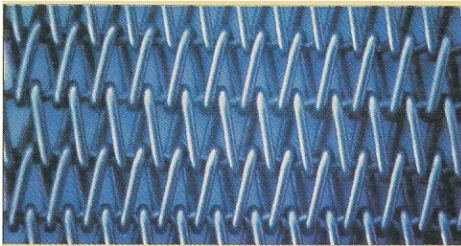
**Fine Round
Holes**



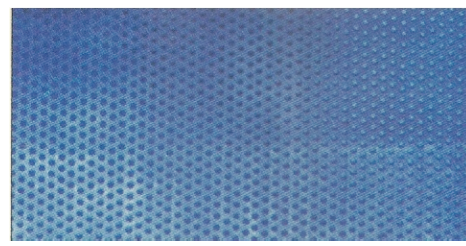
Square Mesh



**Dimple
Screens**



Conveyor Belt



**Elongated
Screens**

Application:

- Agricultural Equipments
- Automobile Filter
- Sugar Industries
- Paper Saw & Straw Board Industries
- Coal & Mines
- Fertiliser Industries
- Electric Cable Tray
- Cement Industries
- Glass Industries
- Chemical Industries
- Petrochemical Industries
- Rubber Industries
- Asbestos Cement Industries
- Vibrating Screens
- Fluidized Bed Screens
- Humidity Control Systems
- Stone Crusher
- Pulverising Industries

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