**PERFORATED METAL SHEET**
metallic plate with punched holes

| Materials of construction | • Stainless steel  
| • Carbon Steel  
| • Other metals (e.g. zinc, brass) |
| Advantages | • Sheet metal is more durable than mesh  
| • Perforations can be made in different shapes to accommodate the particles and provide more precise cut size  
| • S. Howes unique border design provides mechanical strength while providing higher level of sanitation as there are no perforations for material to become trapped in.  
| • S. Howes manufactured –CNC controlled in-house punch press |
| Limitations | • Limited throughput capacity when compared with mesh |

**S. Howes Machines:**
- Shakers  
- Knife cutters  
- Power grateres  
- Scourers

**Common Perforations**
virtually any size and shape available
- Round  
- Oval  
- Slotted  
- Obround

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**Mesh or Wedge Wire Screens:**
Wire like material woven together to create uniform opening size holes. Wedge wire screens available for abrasive or pressurized applications.

| Materials of construction | • Stainless steel - Carbon steel  
| Nylon - Polyester  
| Other - Wedge wire |
| Advantages | • High percentage open area of screen allows higher throughput capacity than perforated plate \ smaller size machine  
| • Finer hole size and particle separation than perforated plate |
| Limitations | • Subject to tears from sharp objects and mishandling  
| • More subject to blinding of screens |