HOSCH MAIN SCRAPERS

TYPE B6
**SCRAPER TYPE B6**

**HOSCH** has been at the forefront of belt cleaning technology worldwide for more than two decades. The immense advantage of **HOSCH** products is that they always meet the exacting requirements of modern conveying systems at a **low operating cost**.

A major problem confronting mineral processing industries is that of *carry-back and spillage*, resulting from the transportation of bulk material through belt conveyors. This not only leads to a substantial cost increase but the reliability of the plant is also affected.

An in-depth analysis of the problem reveals that careful selection of an efficient cleaner is essential. This implies that appropriate cleaning system be then chosen. This reduces the cleaning cost and also decreases the wear and tear of the top belt cover, idlers and other conveyer accessories. Thus the overall cost of conveying bulk materials is effectively reduced.

**HOSCH patented** Sprung Blade Scraper Type B6, with its unique design, has been able to solve belt-cleaning problems in all types of bulk material handling.

### FEATURES

- Abrasion-resistant polyurethane blades
- Long operating life
- Self – adjusting
- Compatible with reversible belt
- Easy to install
- Minimum maintenance

### Design Principles

**Paint Scraper Principle:** Blades inclined against the direction of belt travel, scrape off any dirt layer efficiently while exerting exceptionally low contact pressure on the belt.

**Sprung Blade Principle:** The individual blade segments, mounted on spring based holders, deflect independently. As a result the belt is protected from damage and cleaning efficiency is maximized.

**Automatic Adjustment Function:** The special scraper mounting spring, **Elastomount**, on the two ends, helps the scraper to self adjust against blade wear. This enables it to maintain permanent contact with the belt.
Applications Guideline

While HOSCH scrapers come in a standard design, the shape of the scraper blades, module design, dimensions and material used may be customized to suit specific operating conditions. The following guideline ensures optimum cleaning results and a long operating life.

**B6 programmes**
- Light programme
- Standard Programme
- Heavy duty programme

**Operating Conditions**
- Light duty & low speed belt upto 2.5 M/s
- Standard duty
- Heavy duty & for steel cord belt.

**B6 modules**
- Standard module
- High speed module
- Reversible module

**Operating Conditions**
- Belt speed below 3.0 M/s
- Belt speed above 3.0 M/s
- Reversing belt operation

**B6 blades**
- High grade tool steel
- Stainless steel
- Tungsten tip-carbon steel base
- Special tungsten tip-SS base

**Operating Conditions**
- Non- abrasive & non-corrosive material
- Non- abrasive & corrosive material
- Abrasive & non – corrosive material
- Very abrasive & corrosive material

Scrapers may also be used in combination to suit your specific needs.

**Belt cleaning system**
- Single stage cleaning with B6
- Two – stage cleaning: B6+B9S
- Two – stage cleaning: B6+B6

**Operating Conditions**
- Material dry and less carry-back
- Material wet and non-abrasive
- Material wet and abrasive

**B6 Programmes**

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<tr>
<th>Belt width mm</th>
<th>Cleaning with mm</th>
<th>No. of Blades Qty</th>
<th>Tube length mm</th>
<th>Elasto-Mount Type</th>
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HOSCH (India) is part of the Group, the world-wide leaders in belt cleaning technology. The HOSCH Group was founded in 1975 and is headquartered at Recklinghausen, Germany. When faced with an overwhelming demand for its sales and service internationally, within a few years of its inception, HOSCH began expanding its operations beyond Germany. Today the HOSCH Group serves 50 countries through its 8 subsidiaries in South Africa, United States, Australia, Great Britain, India, France, Brazil, Poland and its 80 distributors in different parts of the globe.

HOSCH (India) is a joint venture company established in 1991 at Calcutta. It is a member of the MM Group of Companies. Accredited with the ISO 9002 certification, HOSCH (India) has firmly established its reputation, providing solutions to spillage problems in Belt Conveying stems through its quality products and services.

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