



Lindemann ZB Turnings Crushers



aprofitament
assessorament
ambiental

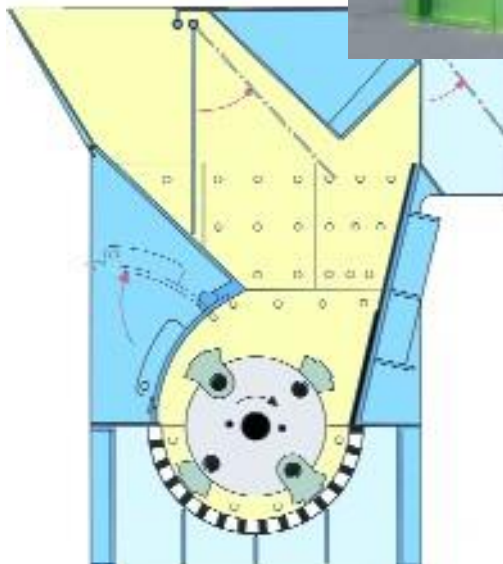
Lindemann ZB TurningsCrusherssolve a tiresome problem

Turnings do not have to be bulky, sharp-edged and hazardous. They don't have to get tangled up in inextricable bundles, take up lots of precious storage space, or be uneconomical to transport. With our turnings crushers you can easily and economically transform your turnings into something that is easy to shovel, bunker and load, and is much cheaper to transport.

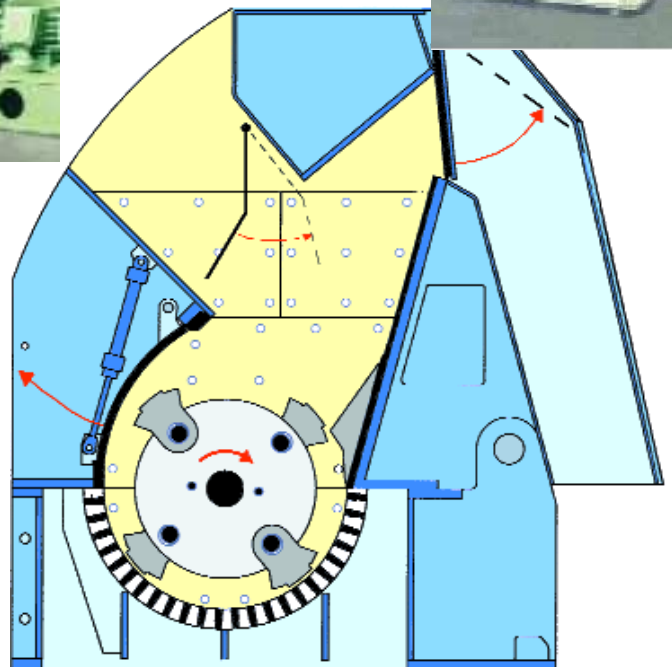
Turnings crushers from Metso Minerals are ideal for processing long, curled, bushy and voluminous turnings of steel, aluminum, brass and other metals. They combine advantages such as increased output, high insensibility to coarse pieces, and the greatest possible economy.

Interesting raw material for the metallurgical industry

Because of their high density, better charging possibilities and reduced melting loss, short crushed turnings are a welcome addition in most melting processes.



Lindemann ZB63 and ZB90

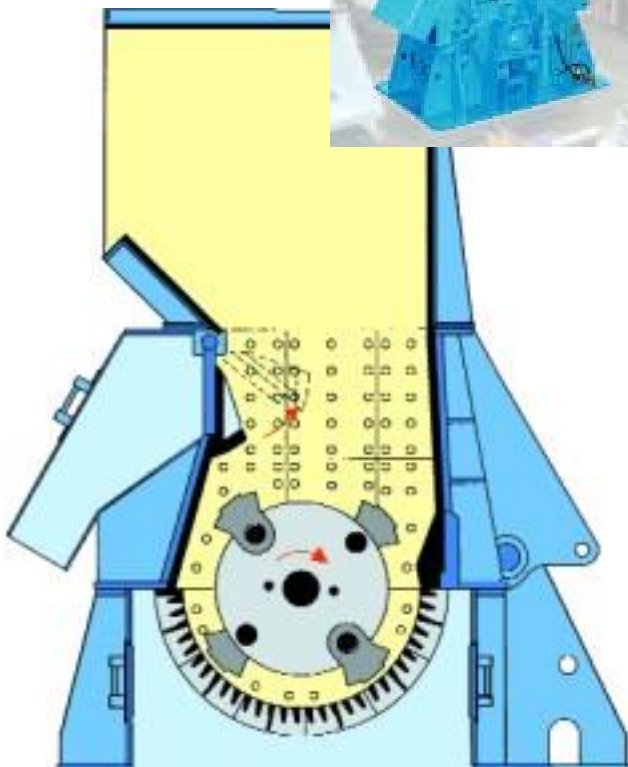


Lindemann ZB116

Turningscrushers for every application

Ball bearing factories, engine works, automobile factories, aluminum and metal works, the recycling industry – regardless of whether the turnings are processed by the metal industry or by the recycling industry, Lindemann ZB crushers optimally fulfill the individual requirements of this specific operational and material conditions.

For the recycling industry, we recommend in the first instance our larger, heavier models that are lined with wearing plates and fitted with a hydraulic locking for housing. This means that the widest variety of turnings can always be processed even if they are tangled in large bundles and contain coarse pieces of metal.

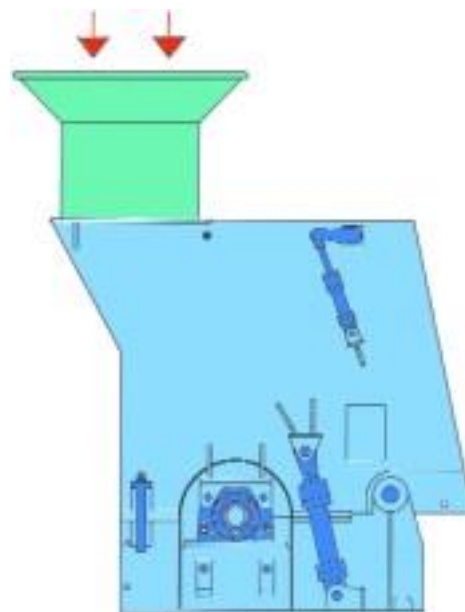


Lindemann ZB150

Operational safety is our watchword

Lindemann ZB crushers operate with highly wear-resistant, free-suspended crushing tools instead of rigid blades that become blunt over time. The tools are impervious to solid items such as the screws, nuts and bolts that are frequently found in turnings. The high rotating speed ensures that the turnings are crushed; they then exit through the grid openings at the bottom of the unit. Different chip lengths are achieved by exchangeable grids with different openings. This is essential if the chips are subsequently to be briquetted.

The great flywheel mass of the disk rotor ensures that the required high torque is achieved. A dosage comb prevents power peaks and eliminates tangled turnings. Any coarse pieces that do not exit via the grid openings are ejected via a special outlet. This helps to reduce wear and prevent damage. Large feed openings, positioned at the side or top as required, ensure a smooth, continuous supply of material.



Direct feeding by means of grab

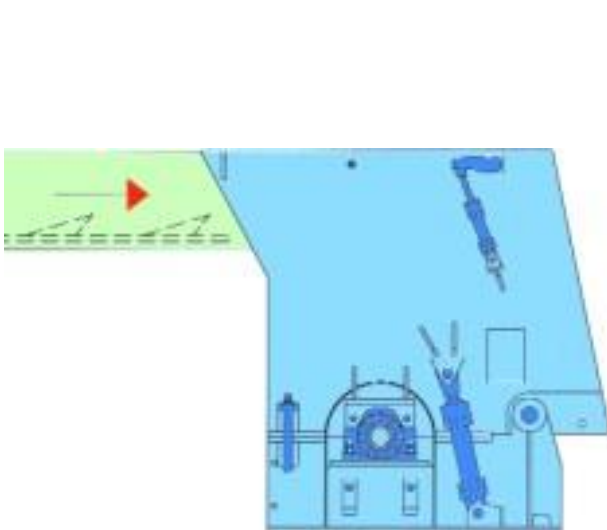
More than just single aggregates

In addition to the single aggregates used for crushing and briquetting, Metso Minerals also supplies complete plants for processing metal turnings, including transportation systems, bunkers and centrifuges.

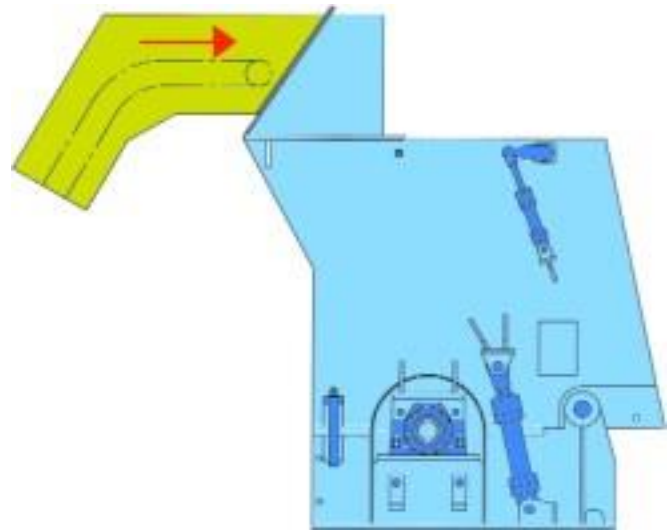
The disk rotor with great flywheel mass is connected to the electric motor by means of a hydro-dynamic coupling



Example of a turnings crusher installation with feeding and discharge conveyors in the metalworking industry



Feeding by means of push-rod conveyor



Feeding by means of steel belt conveyor



Lindemann ZB116 with additional grid in the coarse-pieces channel for screening out fine turnings