HAMSA

SELF-ALIGNING SYSTEM FOR CONVEYOR BELTS

CENTRAX®

GENERAL POINTS

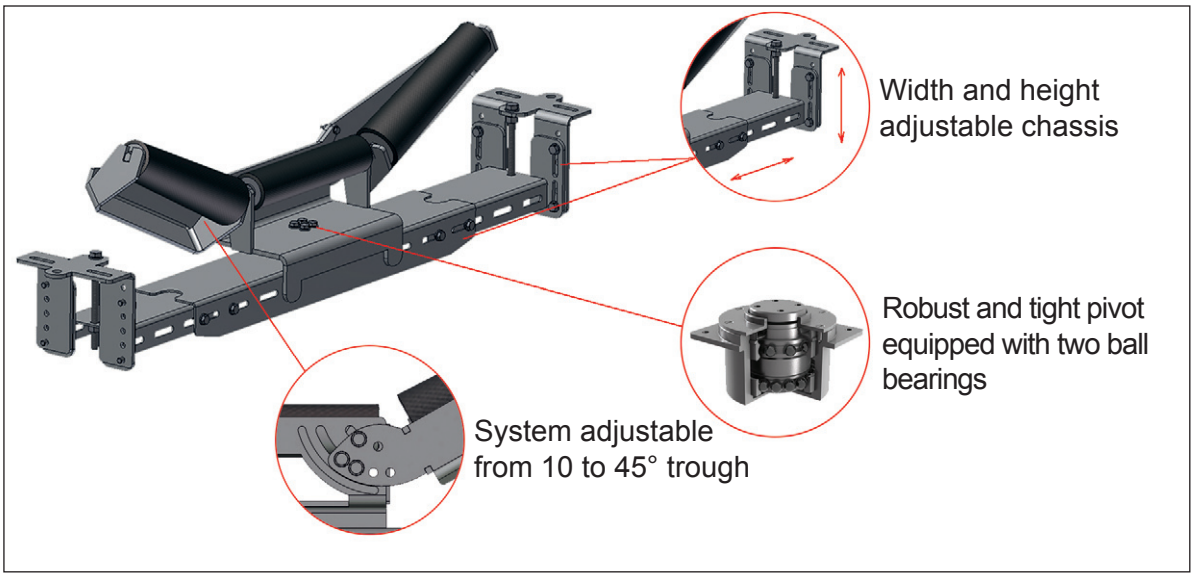
The patented **CENTRAX**® SK / SKL self-aligning system makes it possible to effectively correct the offset of conveyor belts on the upper section.

Installed on a curative or preventive basis, it works with conveyors with one as well as with two directions of travel.

Entirely galvanised, it is equipped with an adjustable chassis, a stainless steel pivot with a Ø 60 or 80 mm shaft on which the three-roller trough support lined with hot-vulcanized rubber is attached.

Of robust design, the **CENTRAX**® for the conveying side can equip all handling systems, even heavy ones, at high speeds (6m/s max) or in dusty work atmospheres.

For highly abrasive applications, it can be equipped with rollers lined with polyurethane (PU) or with antistatic rubber (A) for assemblies in an ATEX zone.

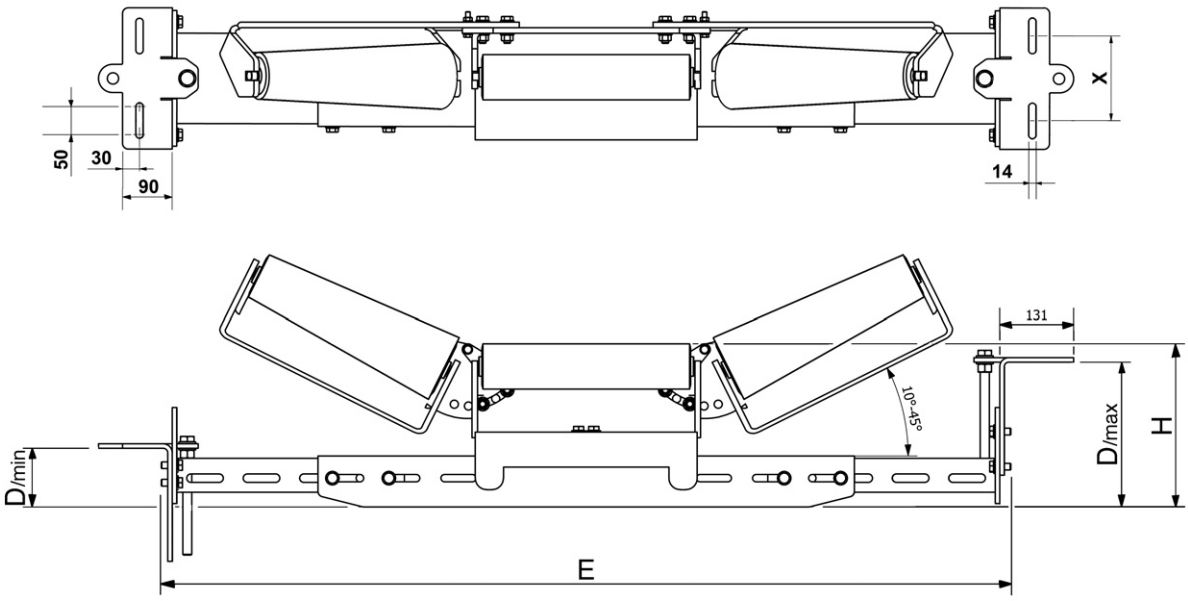


ADVANTAGES

- **Simple installation on most conveyors.**
- **Quick processing of belt offsets and reliability.**
- **Correction movements in proportion to the extent of the offsets.**
- **Reversibility.**
- **Reduction in production losses and maintenance costs of the belt, conveyor and its environment.**



SELF-ALIGNING SYSTEM



Type	Belt width	E/min	E/max	H	D/min	D/max	X	Weight Kg
SK 650/P	650	870 *	1120	289	104	256	150	63
SK 800/P	800	880	1330	289	104	256	150	70
SK 1000/P	1000	990	1460	289	104	256	150	80
SKL 1200/P	1200	1340 *	1930	428	152	316	180	156
SKL 1400/P	1400	1390	2150	428	152	316	180	166
SKL 1600/P	1600	1640	2360	428	152	316	180	178
SKL 1800/P	1800	1840	2560	428	152	316	180	188

* Dimension can be reduced by cutting
For 500 mm wide belt, contact us.

OPERATING PRINCIPLE

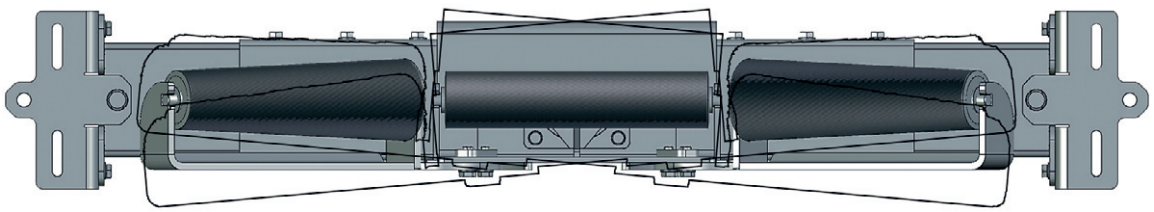
The truncated rollers of the **CENTRAX**® system create horizontal friction forces.

When the belt is centred, the 3-roller system, perpendicular to the shaft of the conveyor has no correction effect because there is symmetry in the friction.

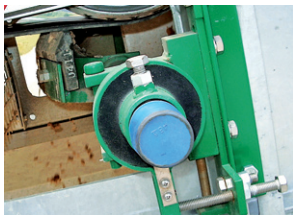
When the belt is offset, on the right for example, the friction forces are more substantial on the right small-diameter conical portion than on the conical portion of the opposite roller on the left.

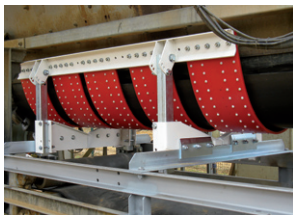
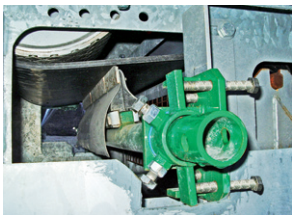
The right friction force drives the system on this side towards the front, thus providing a correction to the trajectory of the belt until the assembly is balanced again.

The correction movements are proportional to the extent of the offsets.



BELLE BANNE	ROLLAX	SPILL-EX	FLEXAL
ACMAN	CENTRAX	SEALTEK	EXCALIBUR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