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Datum / Date

Kontakt / Contact

April 2009

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Betreff / Subject

LEUCO Finger Joint Cutters HS Solid 34

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Thanks to the development of the new high speed steel [HS] named HS Solid 34, LEUCO succeeded in developing a new generation of finger joint cutters which unites the main features longer edge life and higher breaking strength. Especially if poor wood qualities must be finger-jointed, the finger joint cutter with the new cutting material HS Solid 34 scores with less breaking risk. In addition, the finger joint cutter is extremely economic, as the whole resharpening area can be used. HS Solid 34 proves its strength also in comparison with coated HS finger joint cutters. Coated finger joint cutters possess extreme surface hardness, however they lost toughness during the high-temperature coating process and are thus sensitive to impacts.

Application

| For the production of finger joints on finger joint machines with and without cross-cutting device

Design

| Cutting edge: HS Solid 34

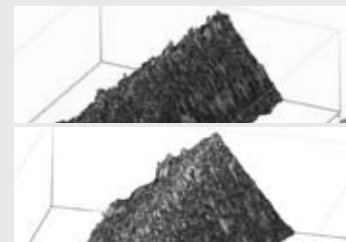
Advantages

- | Compared to traditional HS finger joint cutters, edge lives up to 3 times as long are possible
- | Extremely high bending strength
- | Minimized risk of tooth breaking even in knotty wood
- | Exact finger joints thanks to precise grinding and high grinding quality
- | Reduced costs per cycle thanks to reduced machine downtime costs

Bildmaterial / Imagery



Finger Joint Cutter with the new LEUCO cutting material „HS SOLID 34“ with convincing advantages especially when poor wood qualities are finger-jointed



Under the microscope: standard HS cutting material above with higher surface roughness and higher rounding of cutting edge thus less chipping. Below cutting material HS Solid 34 shows smooth surface and less rounding of cutting edge thus slight chipping.



High quality gluelam construction timber produced with LEUCO Finger Joint Cutters

LEUCO

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Dimensions

Ø D [mm]	B [mm]	Ø d [mm]	Z	Finger length	Pitch	Remark	Ident-No.
250	28,6	50	3+3	10/11	3,8		183228
260	28,6	50	3+3	15/16,5	3,8		183229
170	28,6	50	2+2	15/15	3,8		183230
160	28,6	50	2+2	10/10	3,8		183231
160	28,6	50	2+2	10/11	3,8		183232
160	32,4	50	2+2	10/11	3,8		183233
160	28,6	50	3+3	10711	3,8		183234
170	28,6	50	2+2	15/16,5	3,8		183235
170	28,6	40	3+3	15/16,5	3,8		183236
180	33	50	2+2	20/20	6,2		183237
180	33	50	2+2	20/22	6,2		183238
250	28,6	50	3+3	10/10	3,8		183239
260	28,6	50	3+3	15/15	3,8		183240
260	33	50	3+3	20/22	6,2		183241
170	25,8	50	4	15/15	3,8	top cutter	183242
170	41,0	50	4	15/15	3,8	base cutter	183243
170	25,8	50	4	15/15	3,8	bottom cutter	183244
170	25,8	50	4	15/16,5	3,8	top cutter	183245
170	41,0	50	4	15/16,5	3,8	base cutter	183246
170	25,8	50	4	15/16,5	3,8	bottom cutter	183247
250	25,8	50	6	10/11	3,8	top cutter	183248
250	41,0	50	6	10/11	3,8	base cutter	183249
250	25,8	50	6	10/11	3,8	bottom cutter	183250