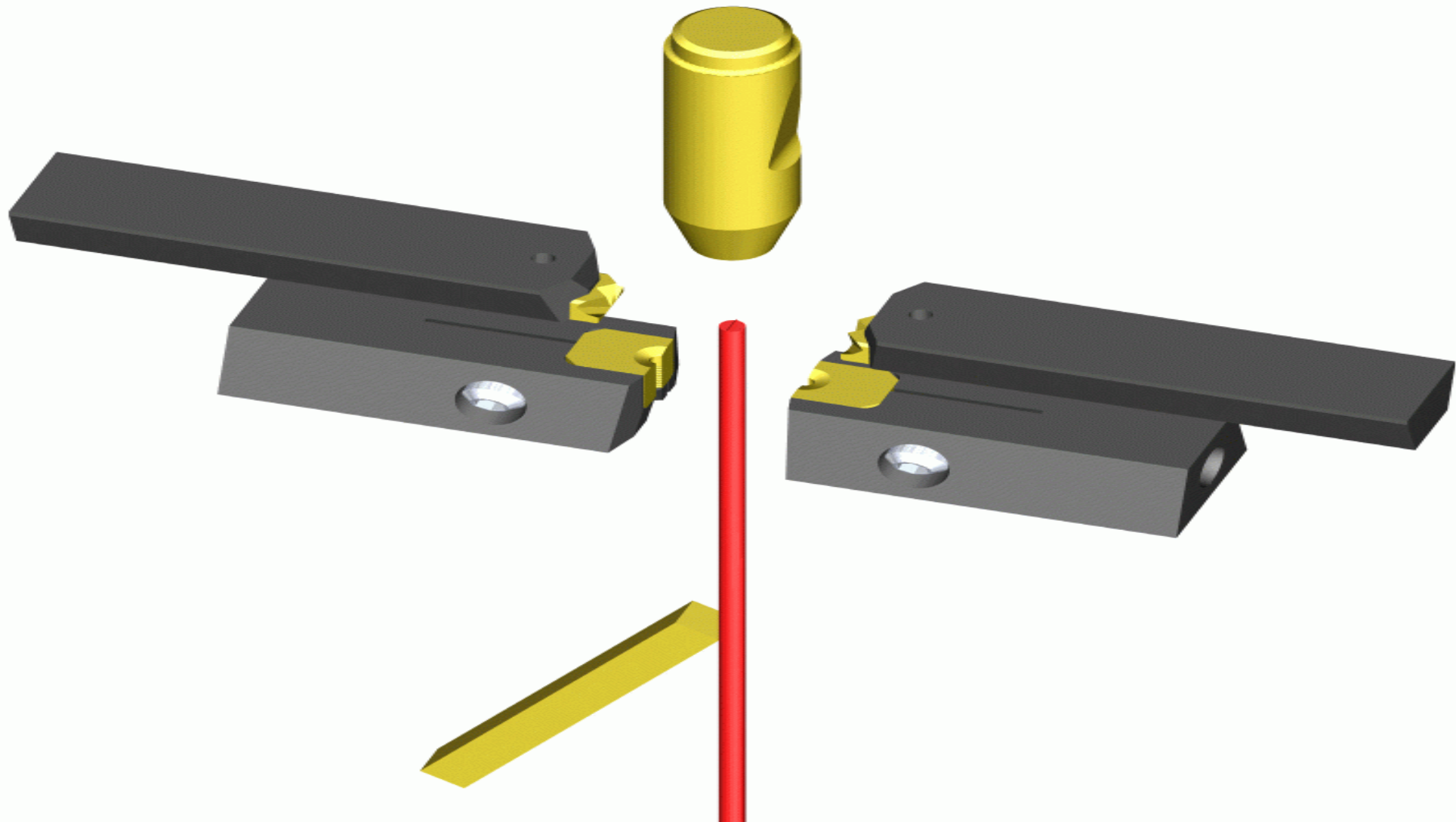




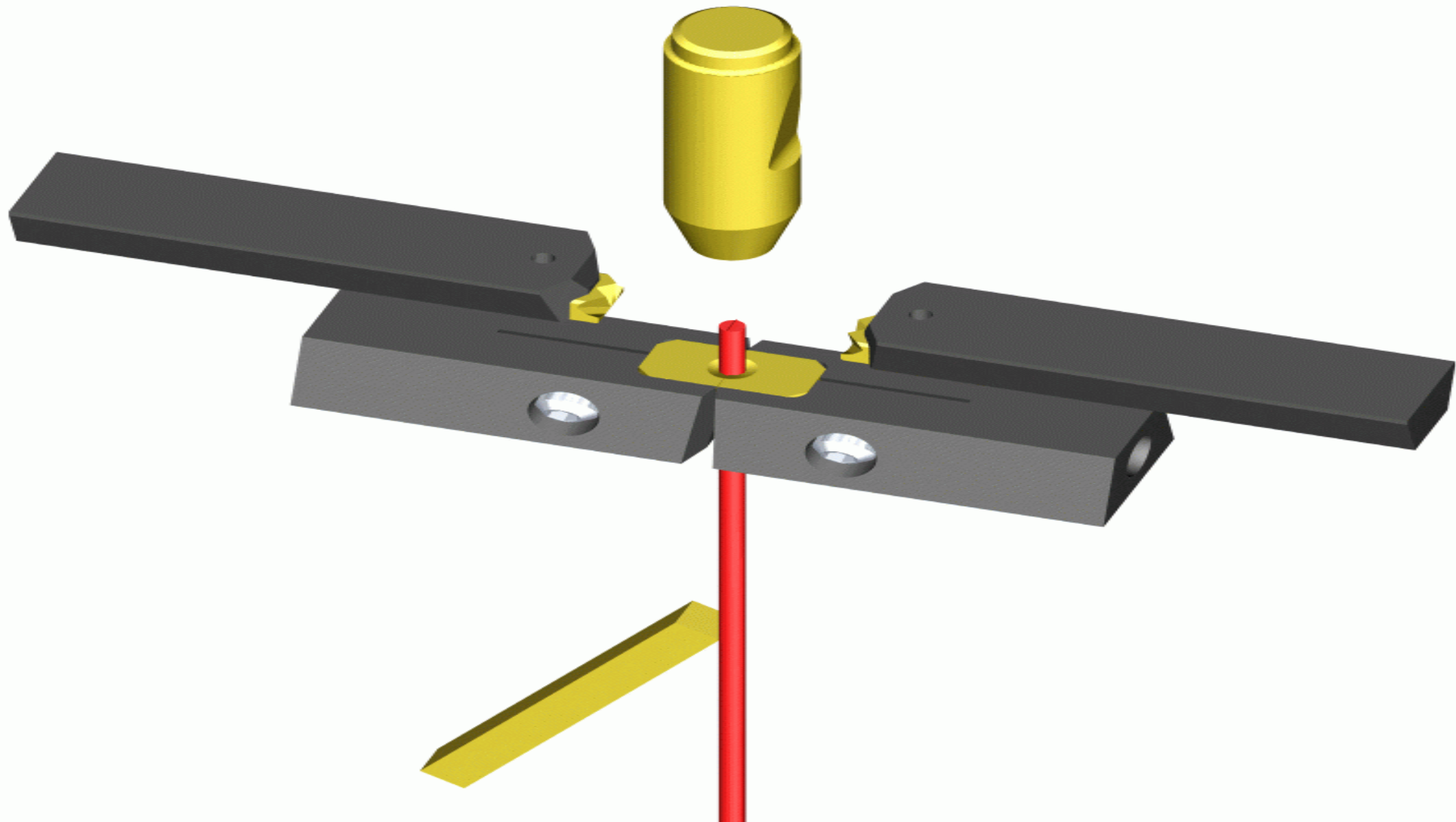


NAIL PRODUCTION TOOLS



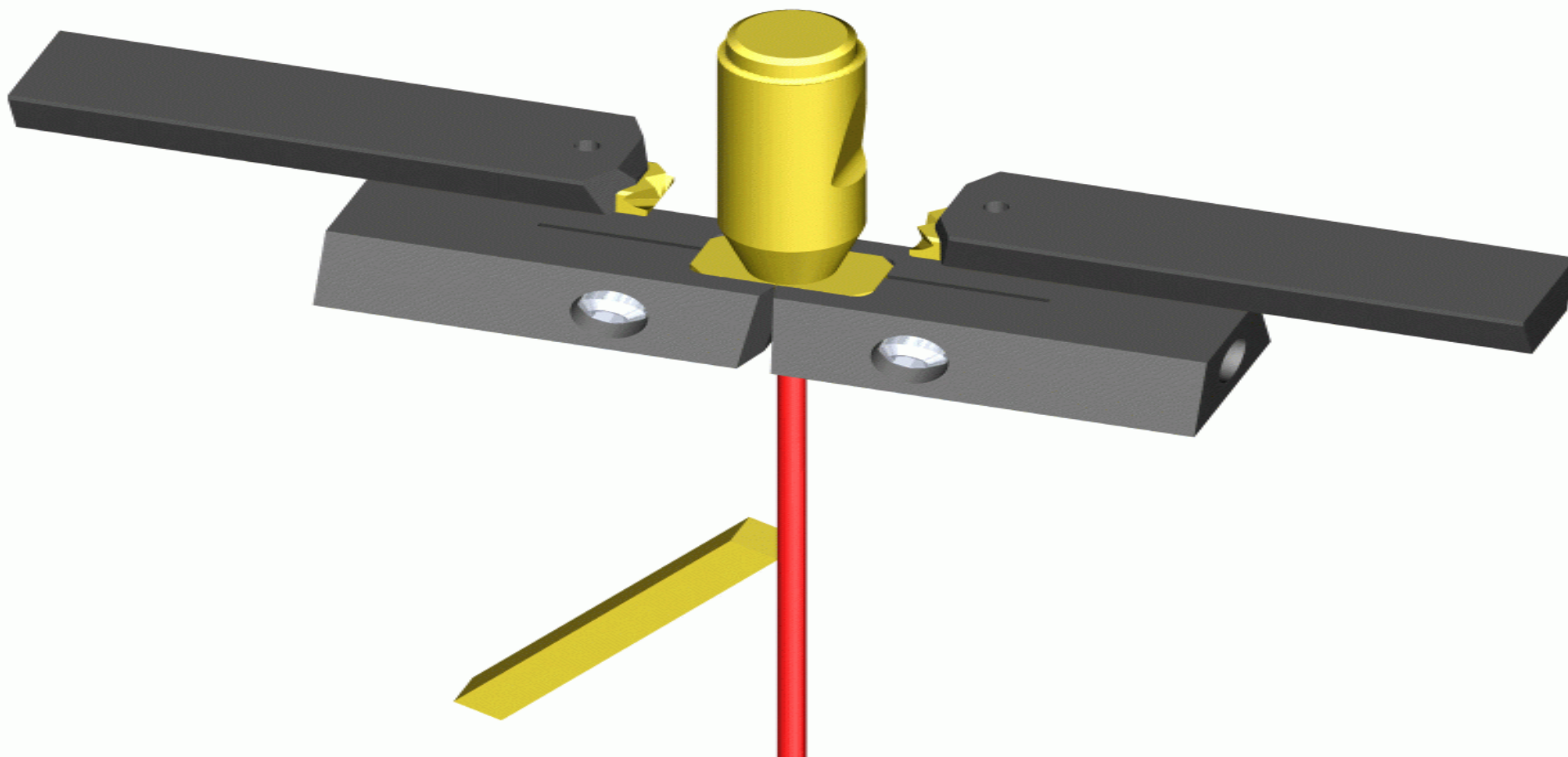


NAIL PRODUCTION TOOLS



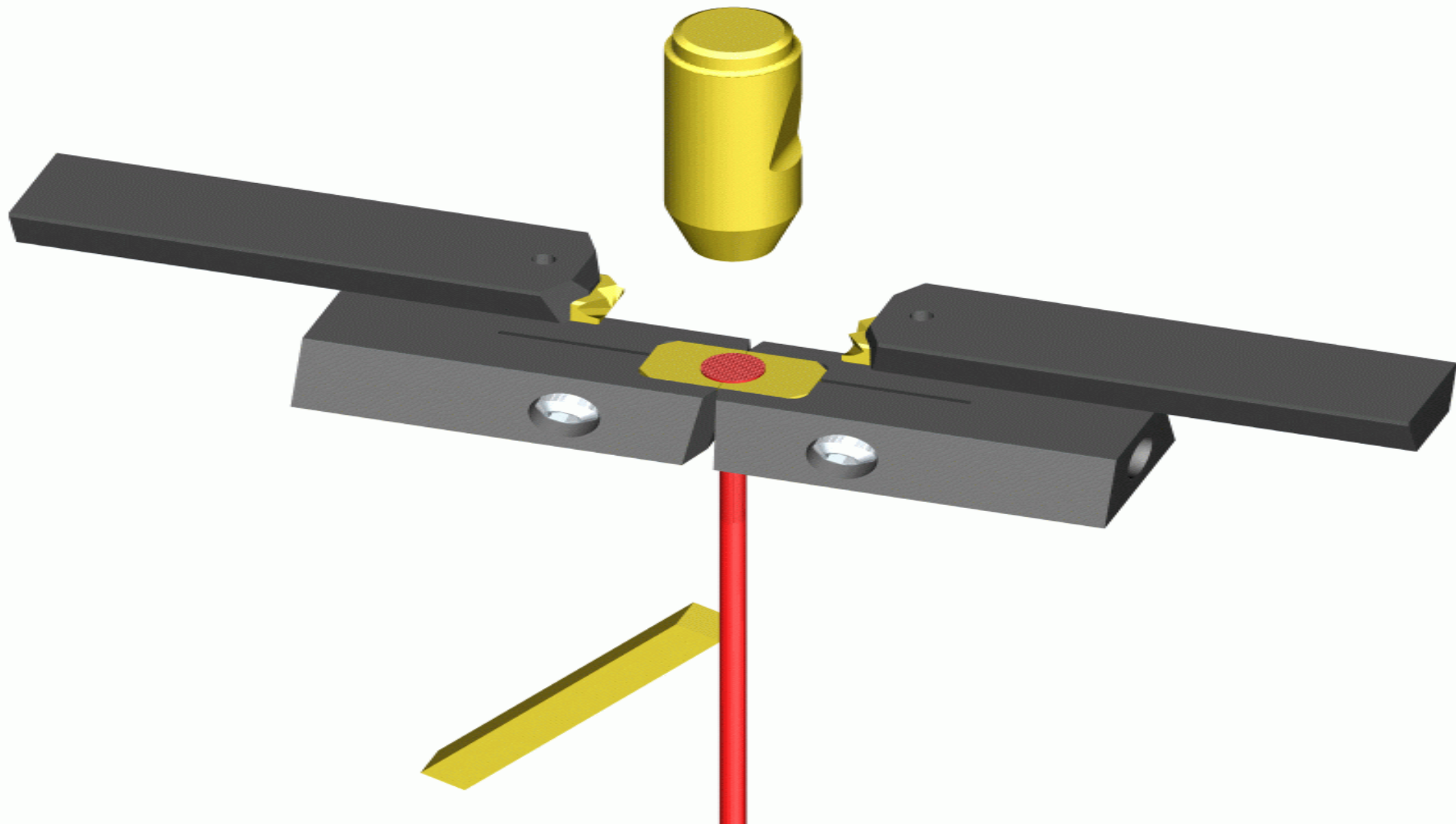


NAIL PRODUCTION TOOLS



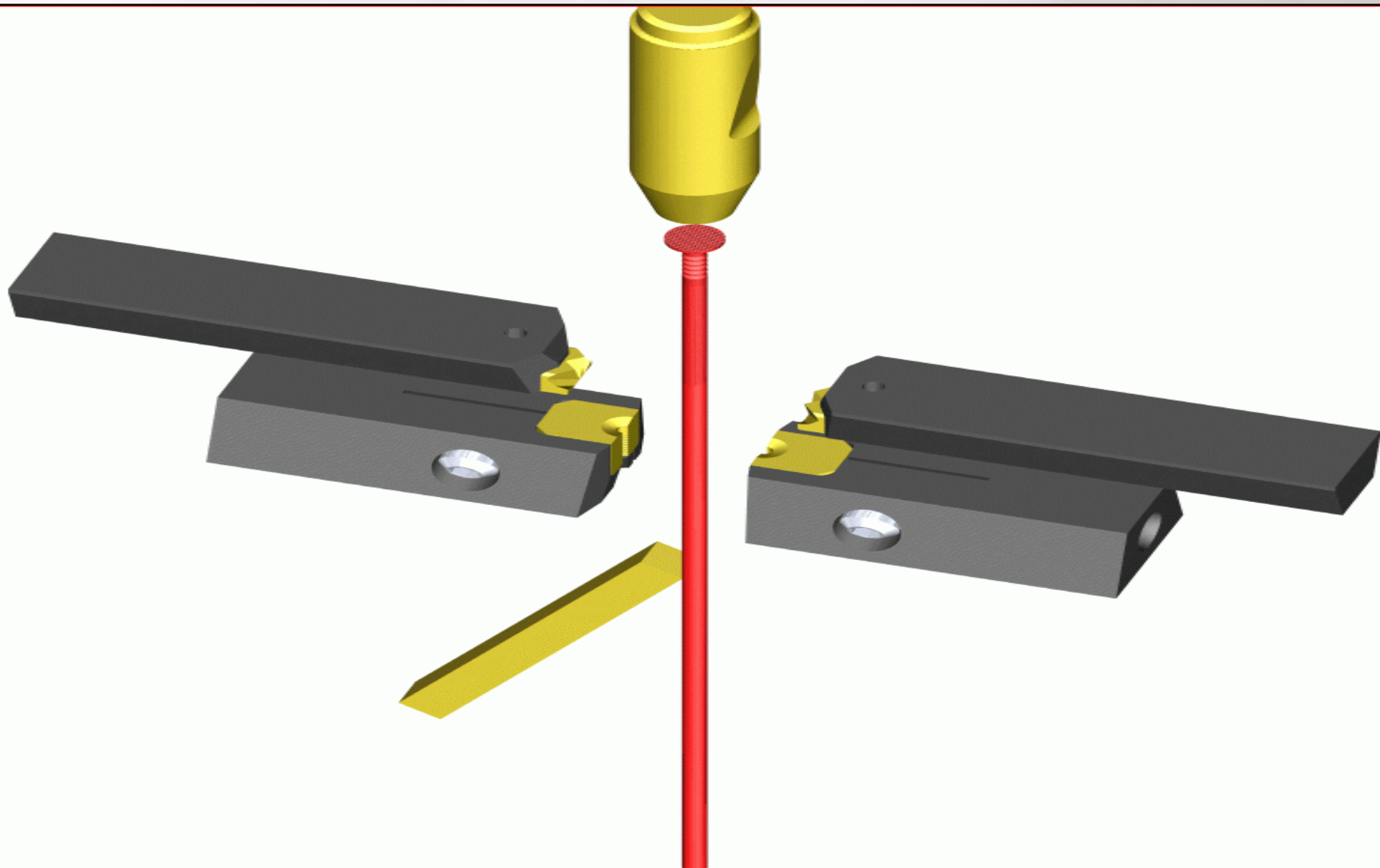


NAIL PRODUCTION TOOLS



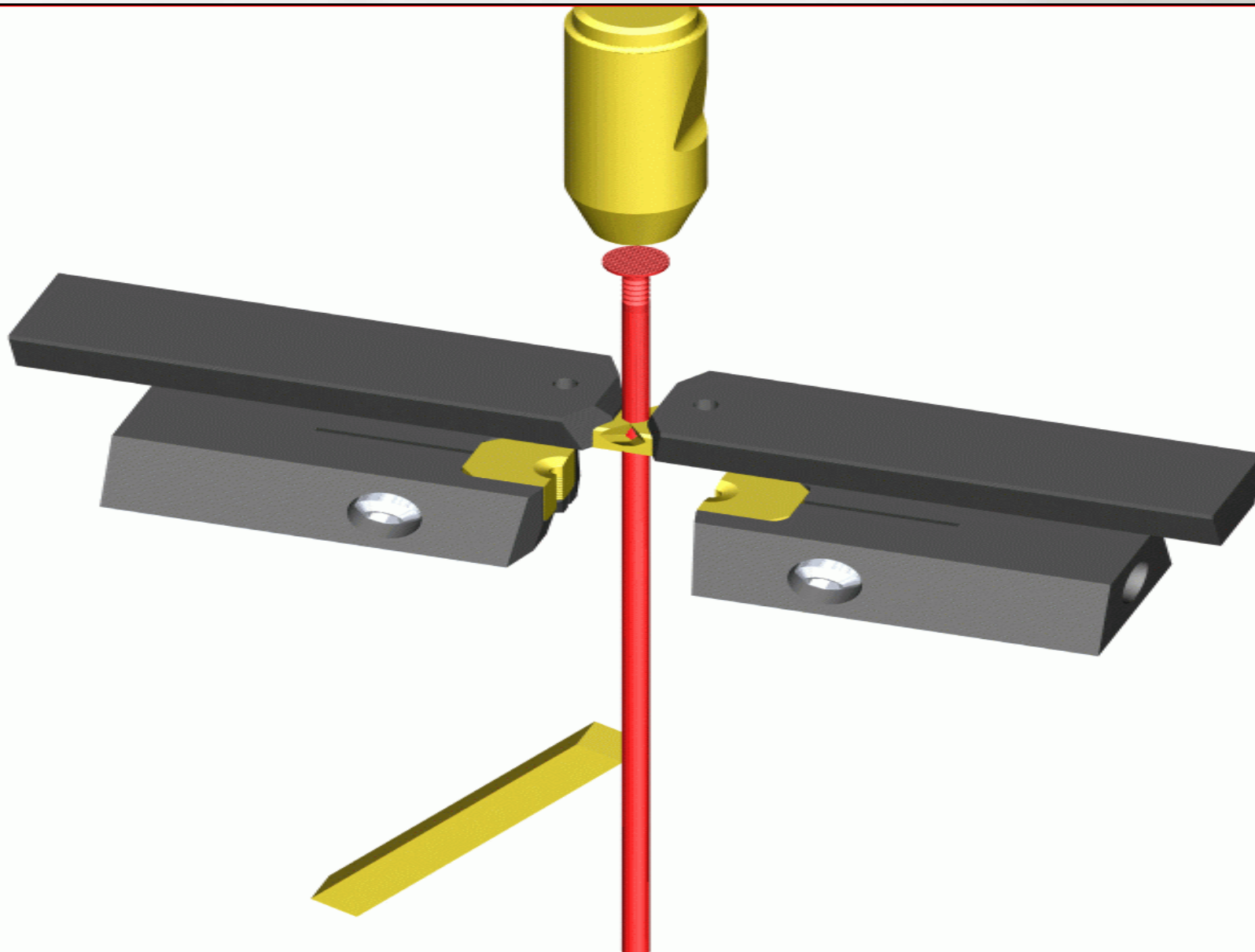


NAIL PRODUCTION TOOLS



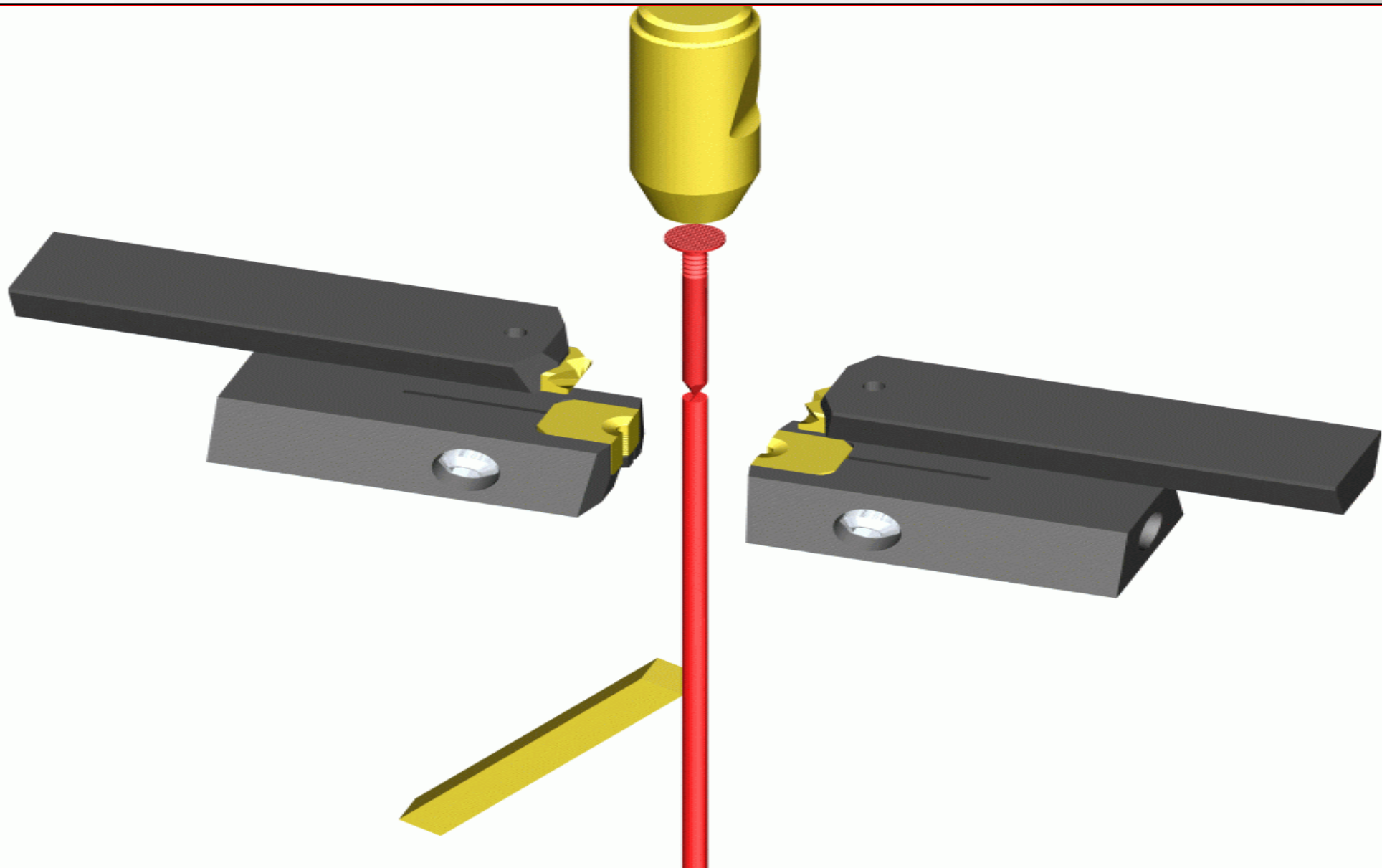


NAIL PRODUCTION TOOLS





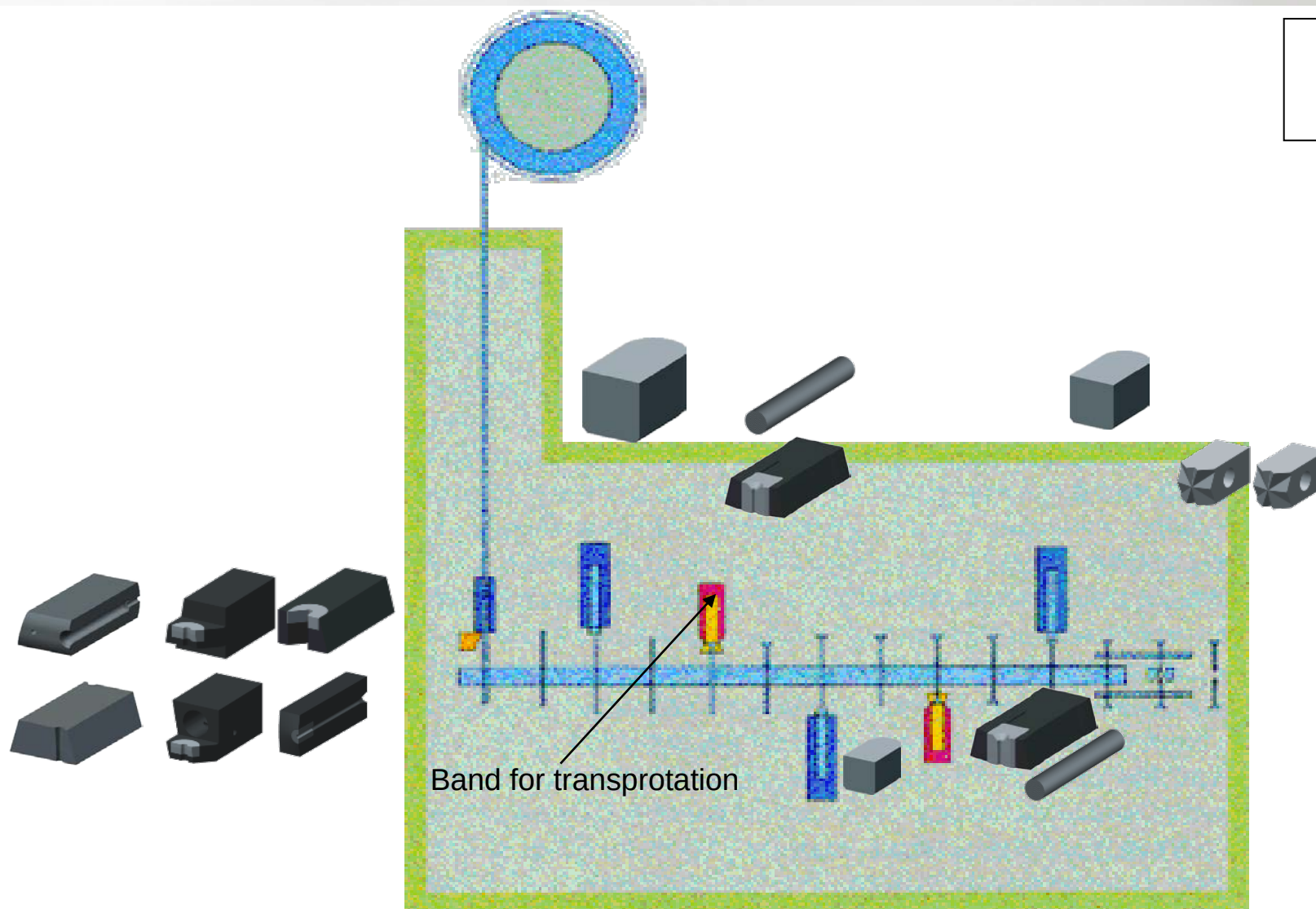
NAIL PRODUCTION TOOLS





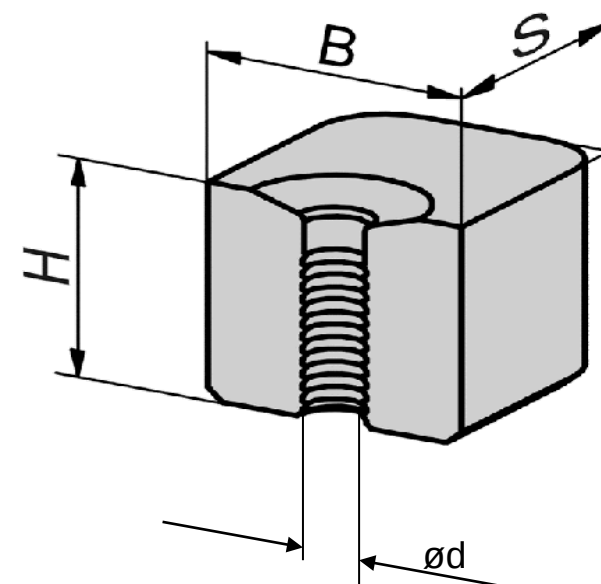
NAIL PRODUCTION TOOLS

ND and N80 Series
“Single wire”



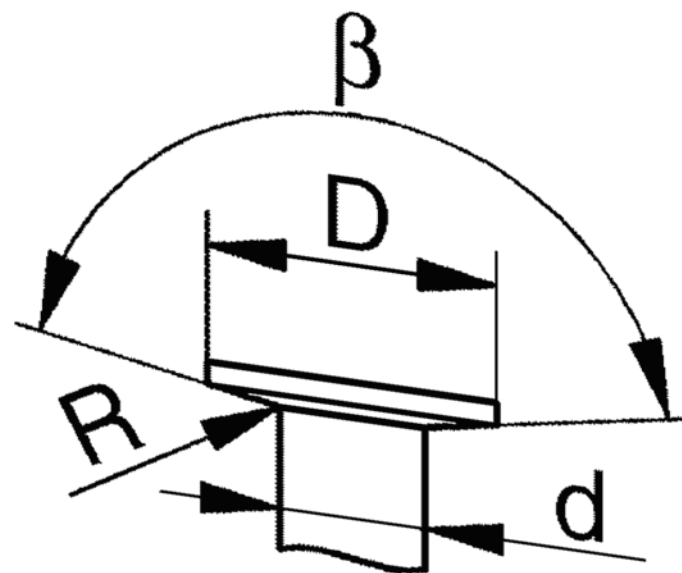
		DIMENSIONS		
CODE	MACHINE TYPE	B	S	H
WN121212	N1,N2,N3,N11,N21,N31	12	12	12
WN16516511	N90A	16,5	16,5	11
WN16516514	N90A	16,5	16,5	14
WN165165	N4,N5,N6,N41,N51,N61,N90,ND90,ND91,ND92-S	16,5	16,5	16,5
WN2020165	N5,N51,N6,N61,ND90,ND91,ND92-S	20	20	16,5

max. wire-ød
3,00
4,50
4,50
6,00
4,50



Head nail information

d;	wire- $\emptyset$
Including the wire tolerance	
D;	head- $\emptyset$
β°	head angel
R;	head radius



$\pm$ Tolerance

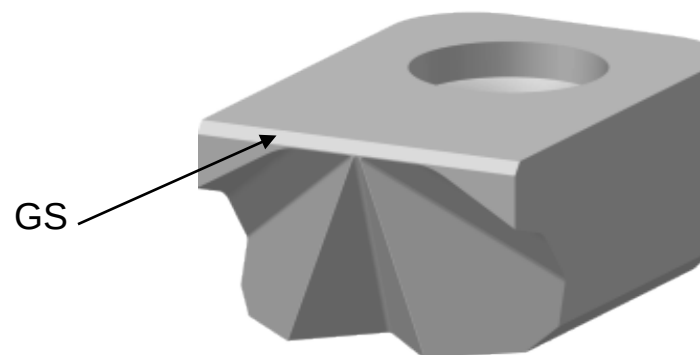
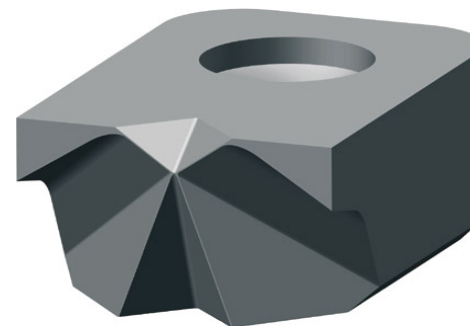


NAIL PRODUCTION TOOLS

Cutter Insert information

		DIMENSIONS			
CODE	MACHINE TYPE	B	C	A	α
WNC35	N1,N2,N11,N21,N3,N31	12	7	20	35
WNC40	N1,N2,N11,N21,N3,N31	12	7	20	40
WNC43	N1,N2,N11,N21,N3,N31	12	7	20	43
WNC45	N1,N2,N11,N21,N3,N31	12	7	20	45
WNC47	N1,N2,N11,N21,N3,N31	12	7	20	47
WNC48	N1,N2,N11,N21,N3,N31	12	7	20	48
WNC50	N1,N2,N11,N21,N3,N31	12	7	20	50
WNC60	N1,N2,N11,N21,N3,N31	12	7	20	60

		DIMENSIONS			
CODE	MACHINE TYPE	B	H	L	α
WN35	N4,N5,N6,N41,N51,N61	14	8,5	20	35
WN40	N4,N5,N6,N41,N51,N61	14	8,5	20	40
WN43	N4,N5,N6,N41,N51,N61	14	8,5	20	43
WN45	N4,N5,N6,N41,N51,N61	14	8,5	20	45
WN47	N4,N5,N6,N41,N51,N61	14	8,5	20	47
WN48	N4,N5,N6,N41,N51,N61	14	8,5	20	48
WN50	N4,N5,N6,N41,N51,N61	14	8,5	20	50
WN60	N4,N5,N6,N41,N51,N61	14	8,5	20	60



Information:

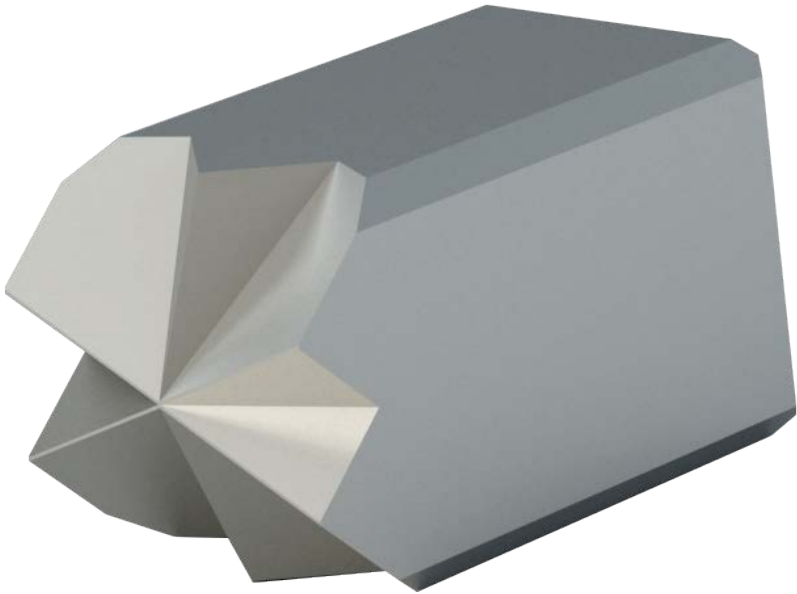
GS straight cutting edge
DS double cut
H high execution

(N41/N51)
(11mm)



NAIL PRODUCTION TOOLS

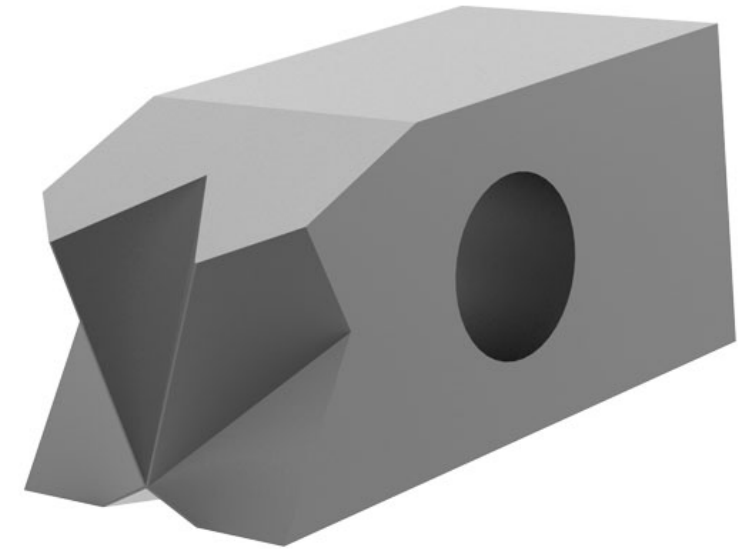
		DIMENSIONS			
CODE	MACHINE TYPE	A	B	C	α
WN8030	N80	12	12	25	30
WN8035	N80	12	12	25	35
WN8040	N80	12	12	25	40
WN8043	N80	12	12	25	43
WN8045	N80	12	12	25	45
WN8047	N80	12	12	25	47
WN8048	N80	12	12	25	48
WN8050	N80	12	12	25	50
WN8060	N80	12	12	25	60
WN80H30	N80-H	16,5	20	20	30
WN80H35	N80-H	16,5	20	20	35
WN80H40	N80-H	16,5	20	20	40
WN80H43	N80-H	16,5	20	20	43
WN80H45	N80-H	16,5	20	20	45
WN80H47	N80-H	16,5	20	20	47
WN80H48	N80-H	16,5	20	20	48
WN80H50	N80-H	16,5	20	20	50
WN80H60	N80-H	16,5	20	20	60





NAIL PRODUCTION TOOLS

		DIMENSIONS			
CODE	MACHINE TYPE	A	B	C	α
WN9030	N90	12	12	25	30
WN9035	N90	12	12	25	35
WN9040	N90	12	12	25	40
WN9043	N90	12	12	25	43
WN9045	N90	12	12	25	45
WN9047	N90	12	12	25	47
WN9048	N90	12	12	25	48
WN9050	N90	12	12	25	50
WN9060	N90	12	12	25	60





NAIL PRODUCTION TOOLS

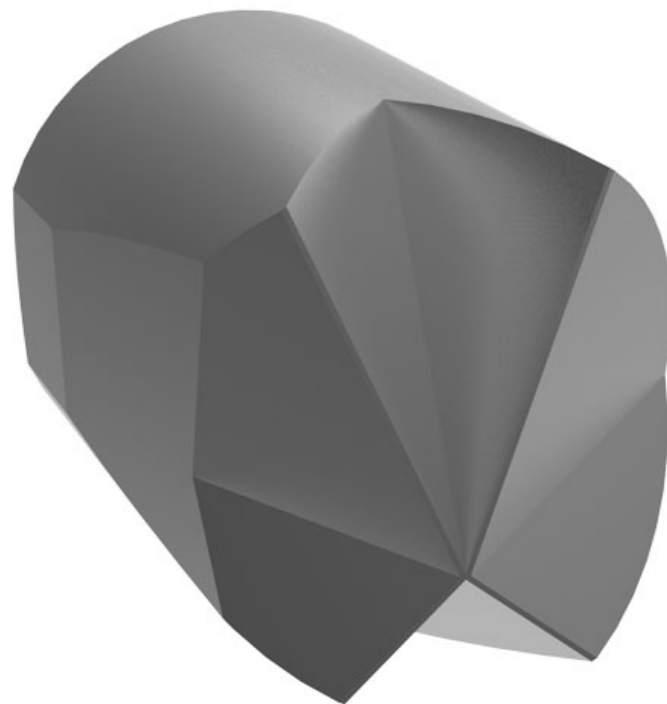


CODE	MACHINE TYPE	D	L
WNL1152	N1,N2,N11N21	11	52
WNL1352	N3,N31	13	52
WNL1662	N4,N41	16	62
WNL2075	N5,N51	20	75
WNL2590	N6,N61	25	90



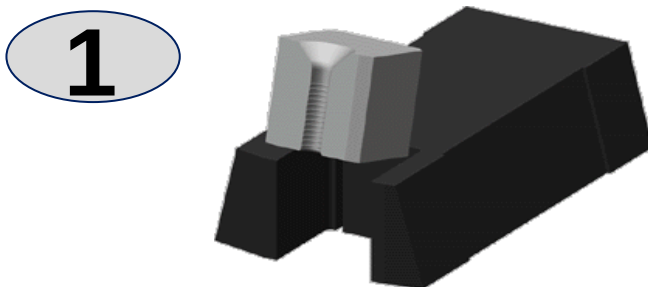


NAIL PRODUCTION TOOLS

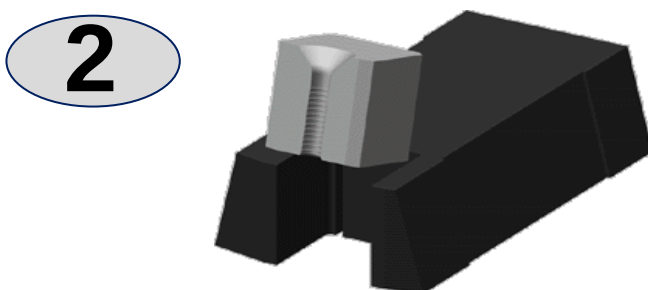


Installation

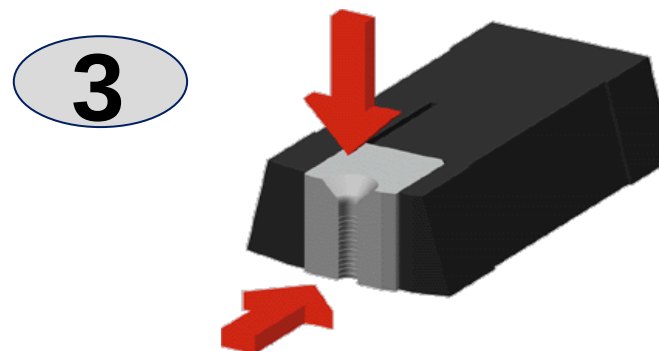
Position the INSERT.



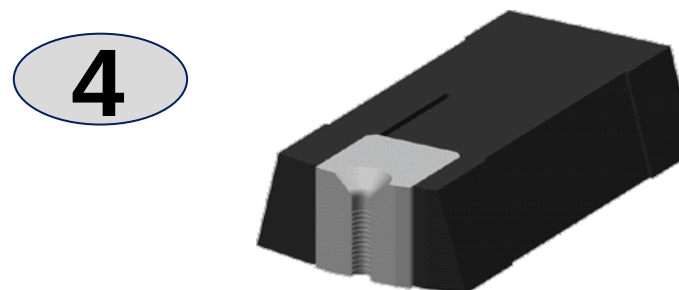
Press INSERT in by hand.



Position with soft hammer
(copper, plastic,..).

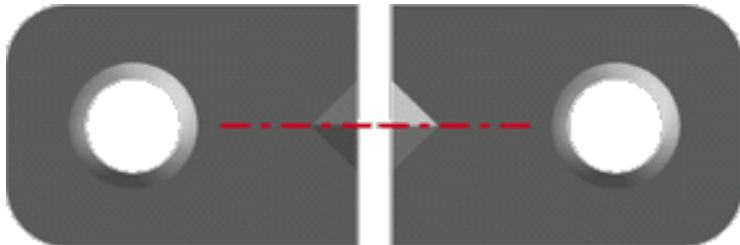
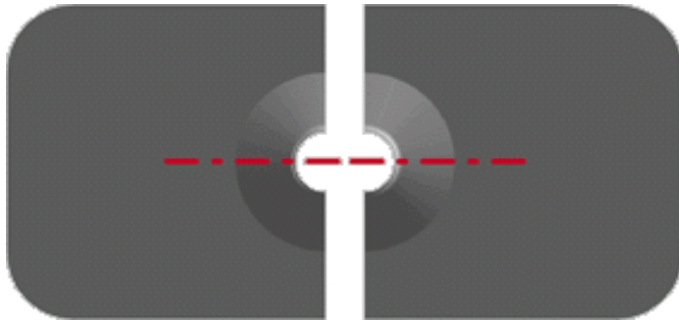


Tool ready for working.

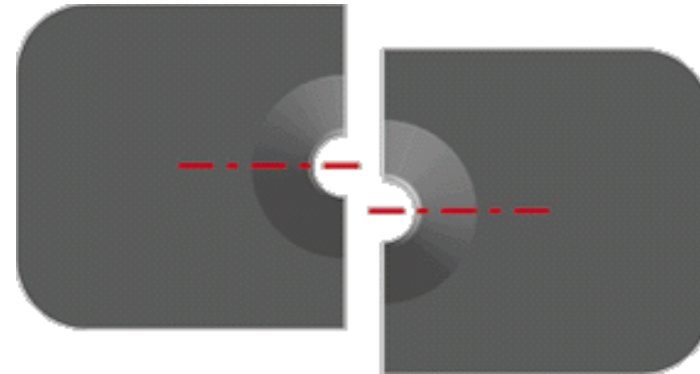


Installation

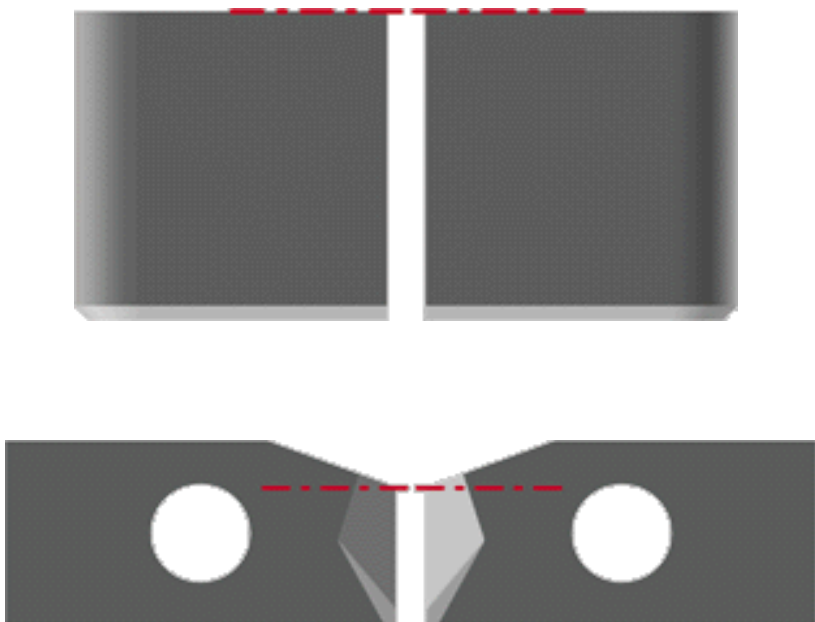
Correct installation



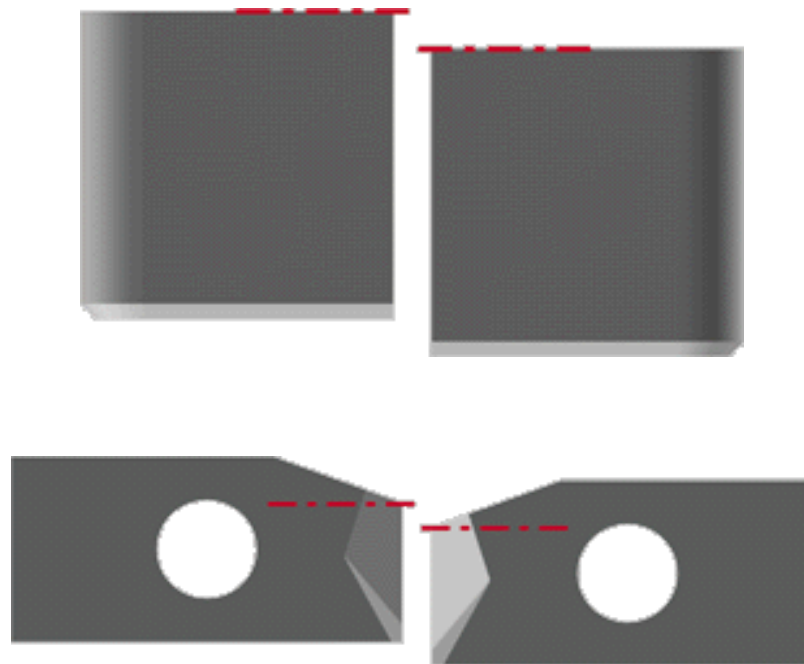
Incorrect installation



Correct installation

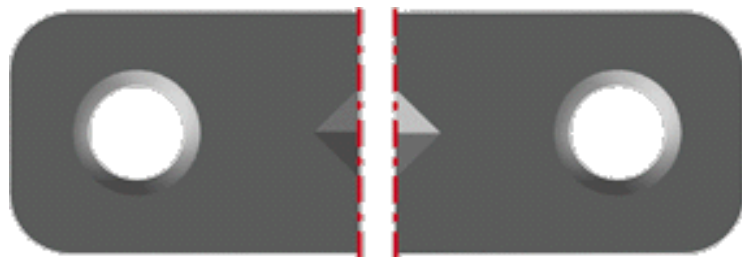
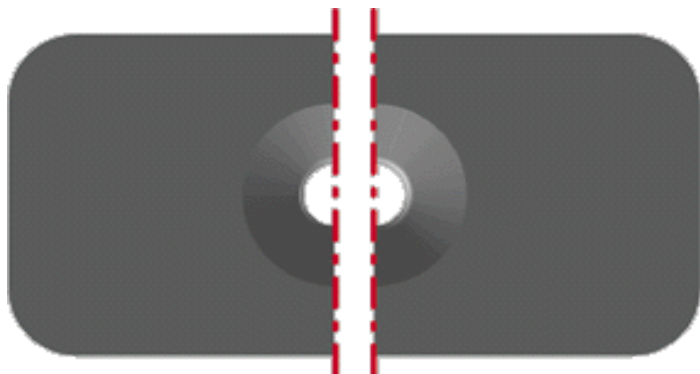


Incorrect installation

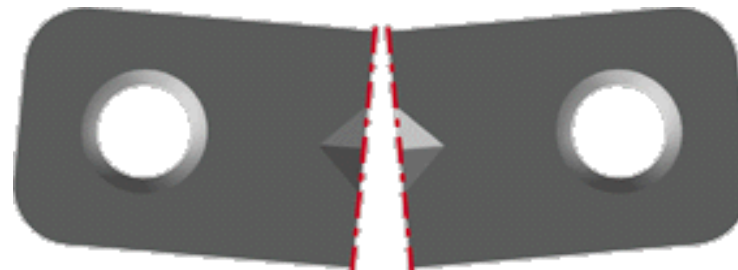
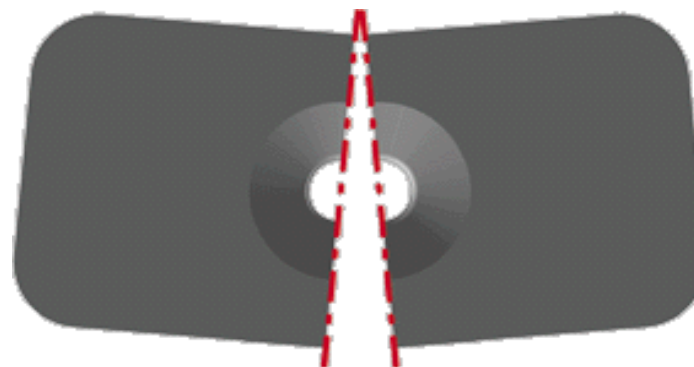


Installation

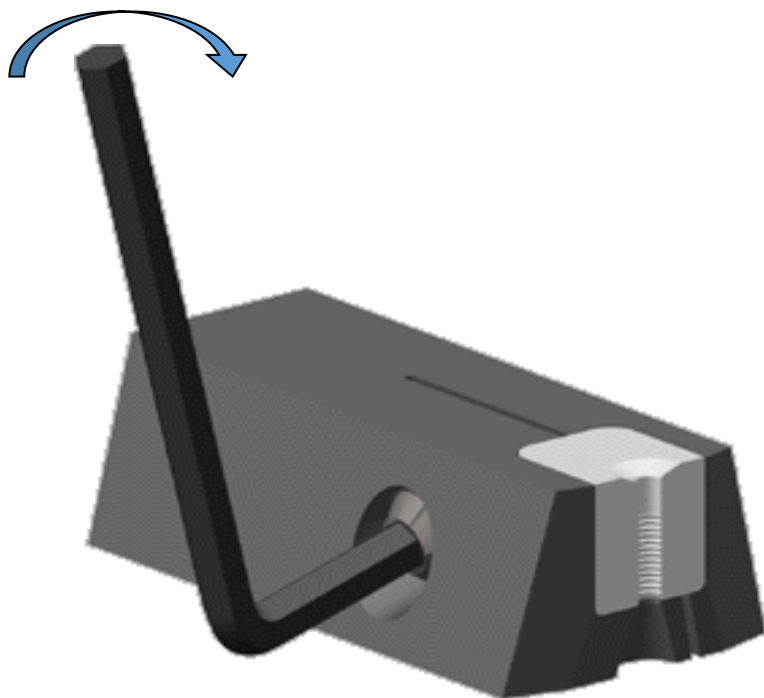
Correct installation



Incorrect installation



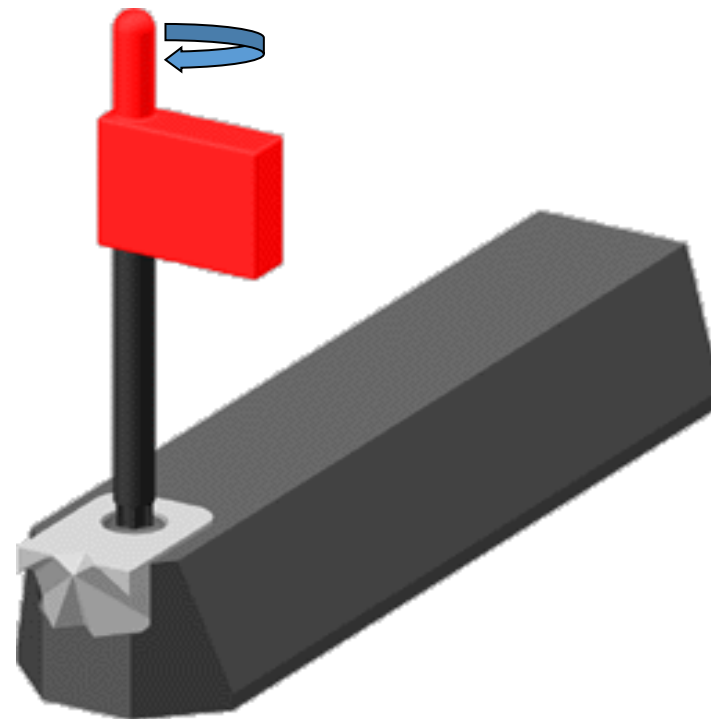
Installation



tightening moment:

M8 - min. 23 Nm

M6 - min. 10 Nm

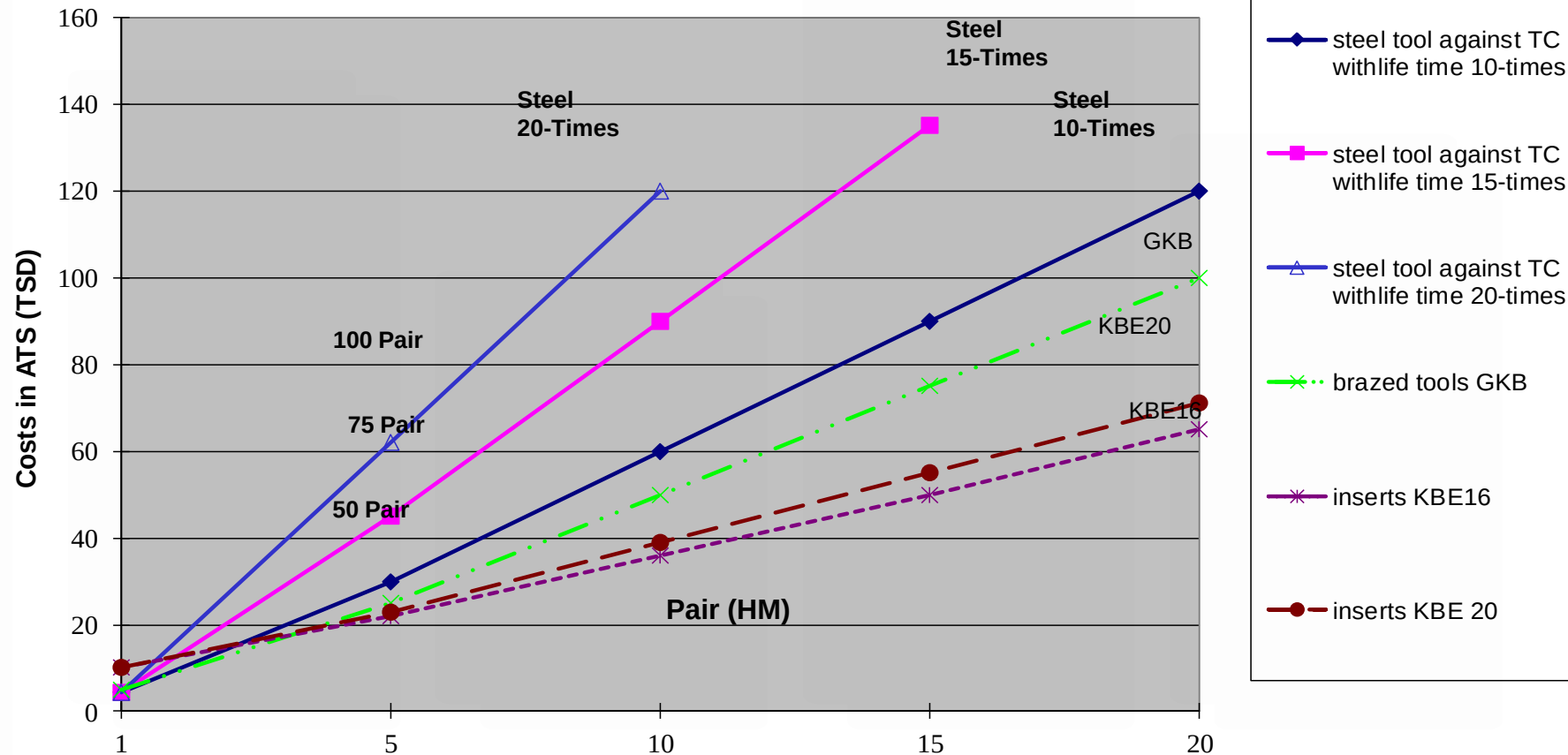


tightening moment:

- min. 8 Nm

- max. 22 Nm

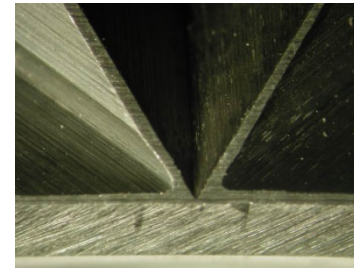
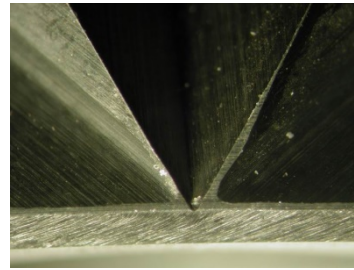
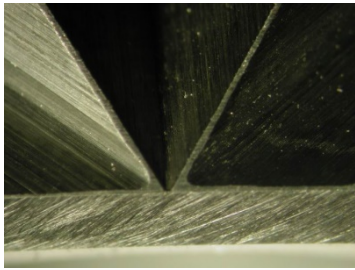
compare costs: steel / TC



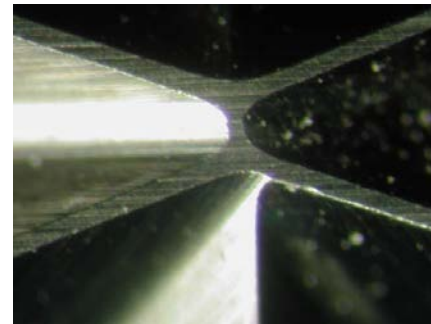
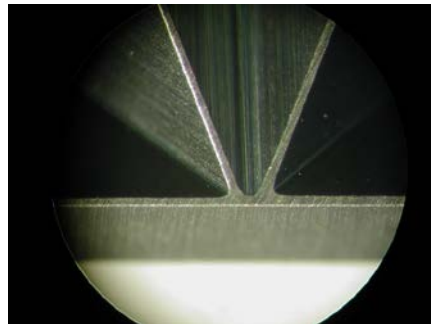


NAIL PRODUCTION TOOLS

In consisted profile



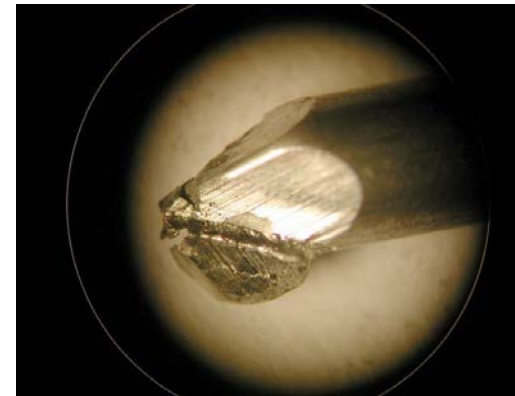
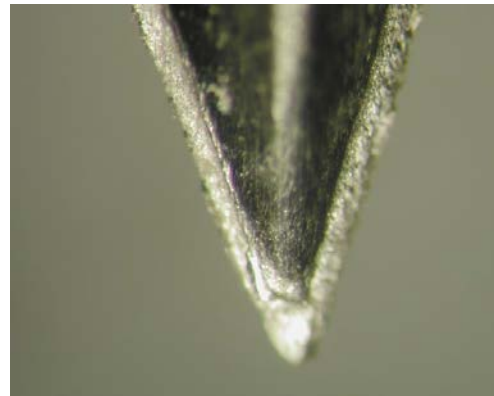
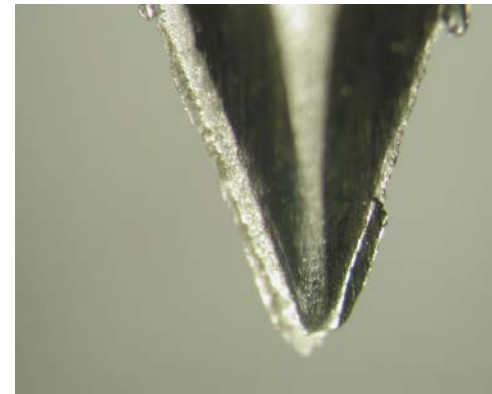
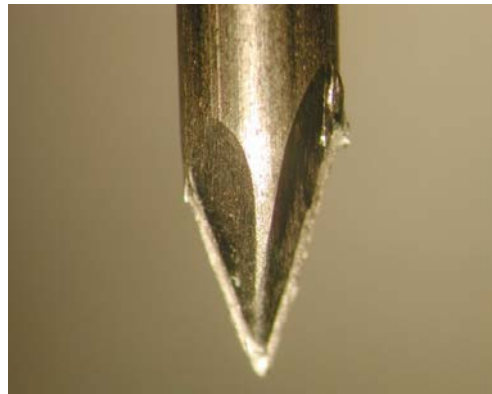
correct profile





NAIL PRODUCTION TOOLS

End Product Failures

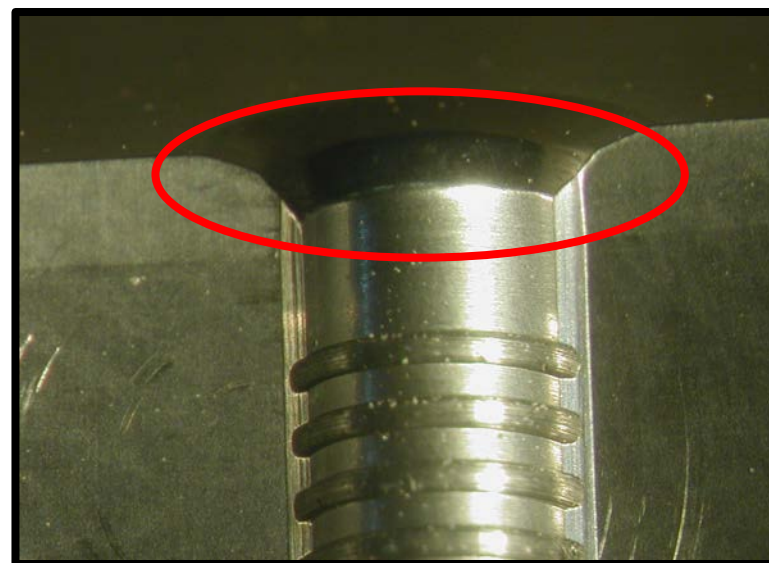


In consisted polishing

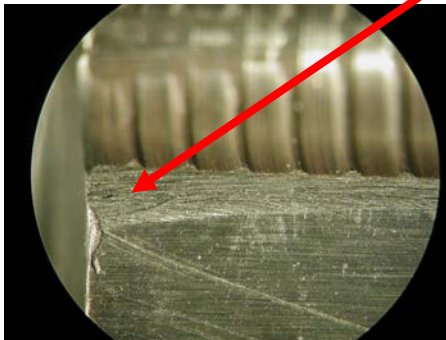
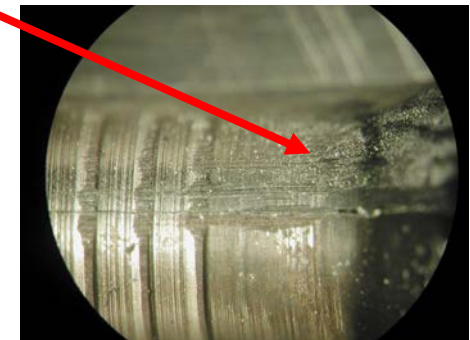
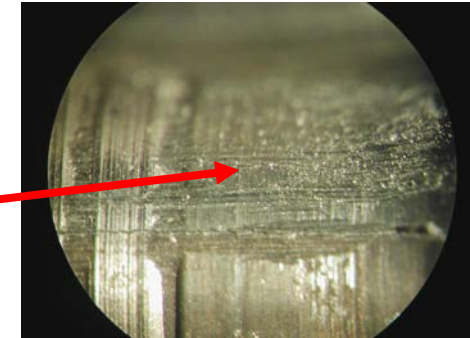
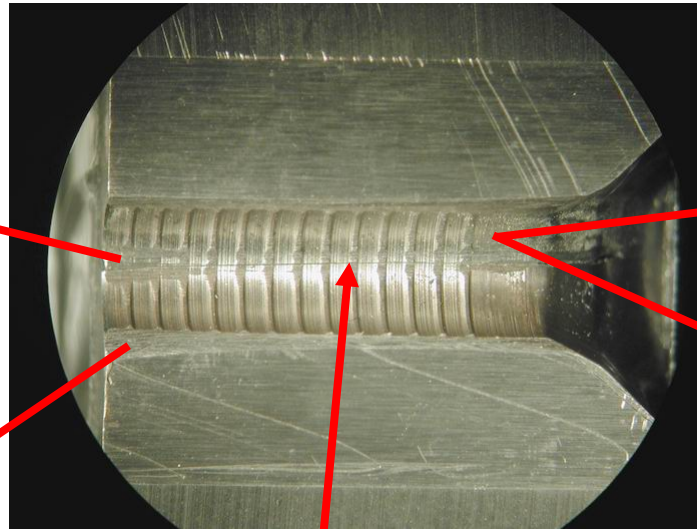
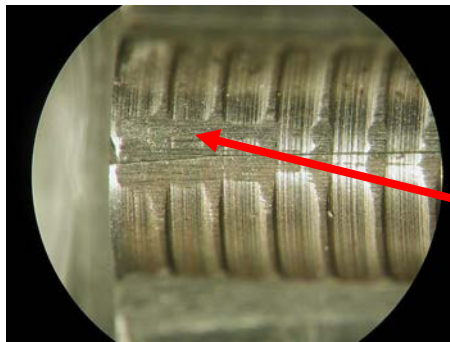


Production Grippers

Good Polishing



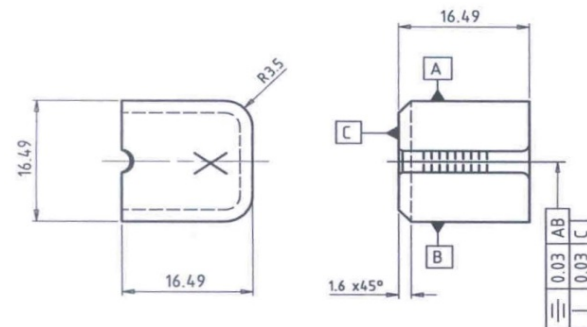
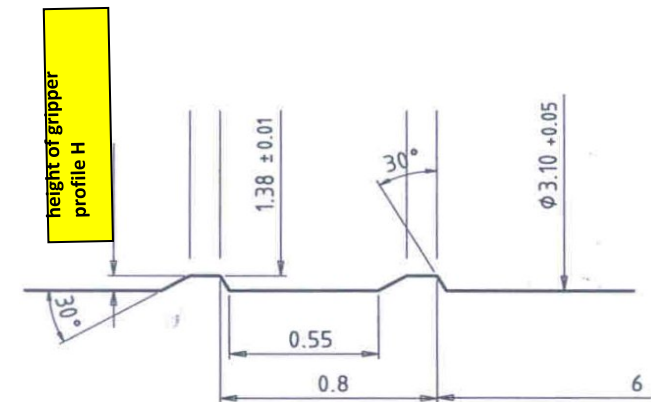
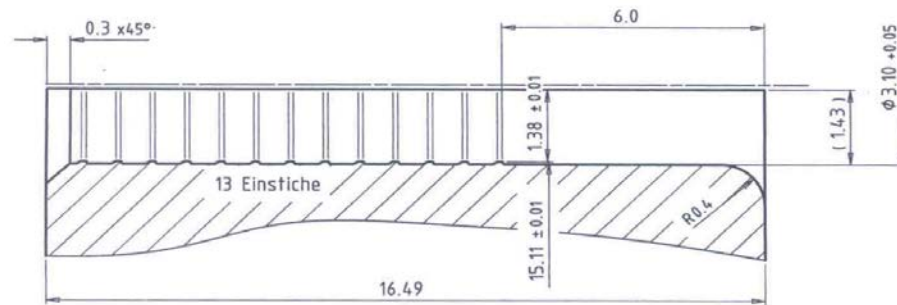
Production Grippers



CRACKS

Gripper profiles information

- Standard Grip $H=0,12\text{mm}$
- Soft Grip $H=0,06\text{mm}$
- Ultra Soft Grip $H=0,03\text{mm}$





Nail Grippers and CutterTools

•Thanks for your attention