step-by-step July 2011

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step 1

Parameter

Parametername	Einhei	Gleichung	Nennwert	Tol.	Modellwert	Sc	Kommentar
Blechparameter							
Stärke	mm	2 mm	2,000000		2,000000		
Biegeradius	mm	Stärke	2,000000		2,000000		
BreiteBiegungsfreistellung	mm	Stärke	2,000000		2,000000		
TiefeBiegungsfreistellung	mm	Stärke * 0,5 oE	1,000000		1,000000		
GrößeEckenfreistellung	mm	Stärke * 4 oE	8,000000		8,000000		
MinimalRest	mm	Stärke * 2,0 oE	4,000000		4,000000		
Übergangsradius	mm	Biegeradius	2,000000		2,000000		
JacobiRadiusGröße	mm	Biegeradius	2,000000		2,000000		
Abstandsgröße	mm	Stärke	2,000000		2,000000		
Modellparameter							
Breite	mm	36 mm	36,000000		36,000000		
d1	mm	AbgewickelteLänge	49,197341		49,197341		
d2	mm	Biegeradius	2,000000		2,000000		
d3	mm	BreiteBiegungsfreistellung	2,000000		2,000000		
d4	mm	TiefeBiegungsfreistellung	1,000000		1,000000		
d5	mm	MinimalRest	4,000000		4,000000		
d6	mm	Biegeradius	2,000000		2,000000		
d7	grd	Faltwinkel	135,000...		135,000...		
d8	mm	Innenradius	20,000000		20,000000		
d9	mm	AbgewickelteLänge / 3 oE	16,399114		16,399114		
Versatz	mm	Breite * 2 mm / 3 mm	24,000000		24,000000		
Abrundung1	mm	10 mm	10,000000		10,000000		
Abrundung2	mm	6 mm	6,000000		6,000000		
d23	mm	-Innenradius	-20,0000...		-20,0000...		
d24	mm	Innenradius	20,000000		20,000000		
d25	mm	Versatz	24,000000		24,000000		
d26	mm	25 mm	25,000000		25,000000		
d27	mm	d25 / 2 oE	12,000000		12,000000		
d28	mm	Biegeradius	2,000000		2,000000		
d29	mm	BreiteBiegungsfreistellung	2,000000		2,000000		
d30	mm	TiefeBiegungsfreistellung	1,000000		1,000000		
d31	mm	MinimalRest	4,000000		4,000000		
d32	mm	Biegeradius	2,000000		2,000000		
d34	mm	6 mm	6,000000		6,000000		
Referenzparameter							
Benutzerparameter							
KFaktor	oE	1,044 oE	1,044000		1,044000		
Innenradius	mm	20 mm	20,000000		20,000000		
AbgewickelteLänge	mm	2 oE * PI * Innenradius * KFaktor * Faltwinkel / 360 grd	49,197341		49,197341		
Faltwinkel	grd	135 grd	135,000...		135,000...		

Numerischen Parameter hinzufügen | Aktualisieren | Toleranz zurücksetzen | << Weniger
Verknüpfen | Sofort aktualisieren | Fertig

Benutzer-Parameter erstellen

Input of user-parameter

step 2

Skizze 1 auf XY-Ebene

Sketch 1 on XY-Plane

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step 3

Blechfläche erzeugen

make the metall sheet

step 4

Runden der Ecken

Rounding of the corner

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step 5

Falten des Bleches an Kante von Skizze 1

Folding of the metall sheet along edge of sketch 1

step 6

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step 7

step 8

Neue Arbeitsebene parallel zu XZ-Ebene,

Abstand=Innenradius *-1

New work plane parallel to the XZ plane,

*Distance = inner radius *- 1*

Neue Skizze auf Arbeitsebene und dann Blechfläche

New sketch on work plane an then again metall sheet

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step 9

step 10

Spiegeln über XZ-Ebene

Mirror with XZ plane

Abwicklung

unfolding

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