

Transmittal reproduction, dissemination and/or selling of this document as well as utilization of its contents and communication thereof to others without express authorization is prohibited. Offenders will be held liable for payment of damages. All rights created by patent grant or registration of a utility model or design patent are reserved.

weitergabe sowie Vervielfältigung, Verbreitung und/oder Bearbeitung dieses Dokuments, Verwertung und Mitteilung seines Inhalts, sowie die Weitergabe der Rechte an demselben, ohne die ausdrückliche Genehmigung der Erfindungs- und Geschmacksmustereintragungsstelle, ist ausdrücklich untersagt. Zuwiderhandlung wird strafrechtlich verfolgt.

A
B
C
D
E
F

300	350	1.2
250	300	1.0
200	250	0.85
150	200	0.70
100	150	0.50
60	100	0.40
30	60	0.30
-	30	0.20
over	up to	

W f. tol. ±
Convexity - Concavity
EN 12020-2

300	350	1.80	1.80	2.10
240	300	1.50	1.50	1.80
180	240	1.20	1.20	1.50
150	180	1.00	1.00	1.30
120	150	0.80	0.80	1.00
90	120	0.60	0.60	0.80
60	90	0.45	0.45	0.65
45	60	0.40	0.40	0.55
30	45	0.30	0.30	0.45
15	30	0.25	0.25	-
10	15	0.20	0.20	-
-	10	0.15	0.15	-
over	up to		E<60	60-E<120

H	H tol. ±	H tol. ± (open end)
---	----------	---------------------

Dimensions
EN 12020-2

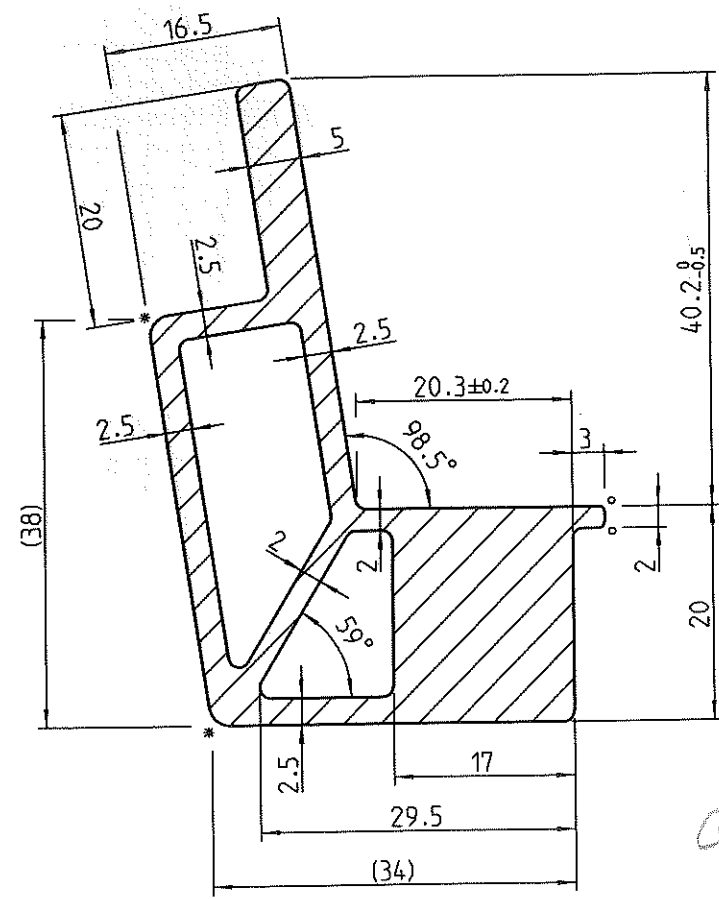
30	40	0.45	0.60	-	-
20	30	0.40	0.50	-	-
15	20	0.35	0.45	1.20	1.50
10	15	0.30	0.40	0.80	1.00
6	10	0.25	0.35	0.60	0.80
3	6	0.20	0.30	0.40	0.60
1.5	3	0.15	0.25	0.25	0.40
-	1.5	0.15	0.20	0.20	0.30
over	up to	D<100	100-D<300	D<100	100-D<300

A, B, C	A tol. ±	B, C tol. ±
---------	----------	-------------

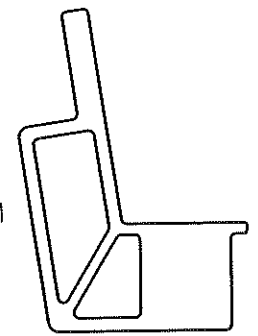
Wall thickness
EN 12020-2

NOTE:

1. Dimension Tolerances:
acc. to EN 12020-2
Straightness not greater than 1mm/m
Distortion not greater than 1mm/m
2. Chemical composition:
acc. to EN 755-2 or GB/T 6892-2006
3. Mechanical Properties:
Rp0.2 >= 110MPa
Rm >= 160MPa
A0 >= 5%
4. All radius = R1 u.o.n.
5. * indicates R2
6. ° indicates R0.5



002658 1:1
40-20X34



APPLICATION: A0955 Tuvasas EMU				GENERAL TOL EN 12020-2		FORMAT A3	3D MODEL D-3505-011	WEIGHT 1.976 kg/m	
							MATERIAL EN AW-AlMg0.7Si / EN AW-6063-T5 / EN 755-2	2:1	
				DATE		NAME	DESCRIPTION Sealing angel cross section		
				DESIGN 22.02.2019		DK			
				CHECK 15.03.2019		DP			
				APPROVE 15.03.2019		DP			
				DE/EN		mm			
				 ULTIMATE Transportația Equipment Smb		DRAWING NO D-3505-011		REV 1.0	PAGE 1 / 1
INDEX	REVISION NUMBER	DATE	NAME	BASED ON:			(REPL. FOR:)		(REPL. BY:)

ULTIMATE
Transportation Equipment GmbH