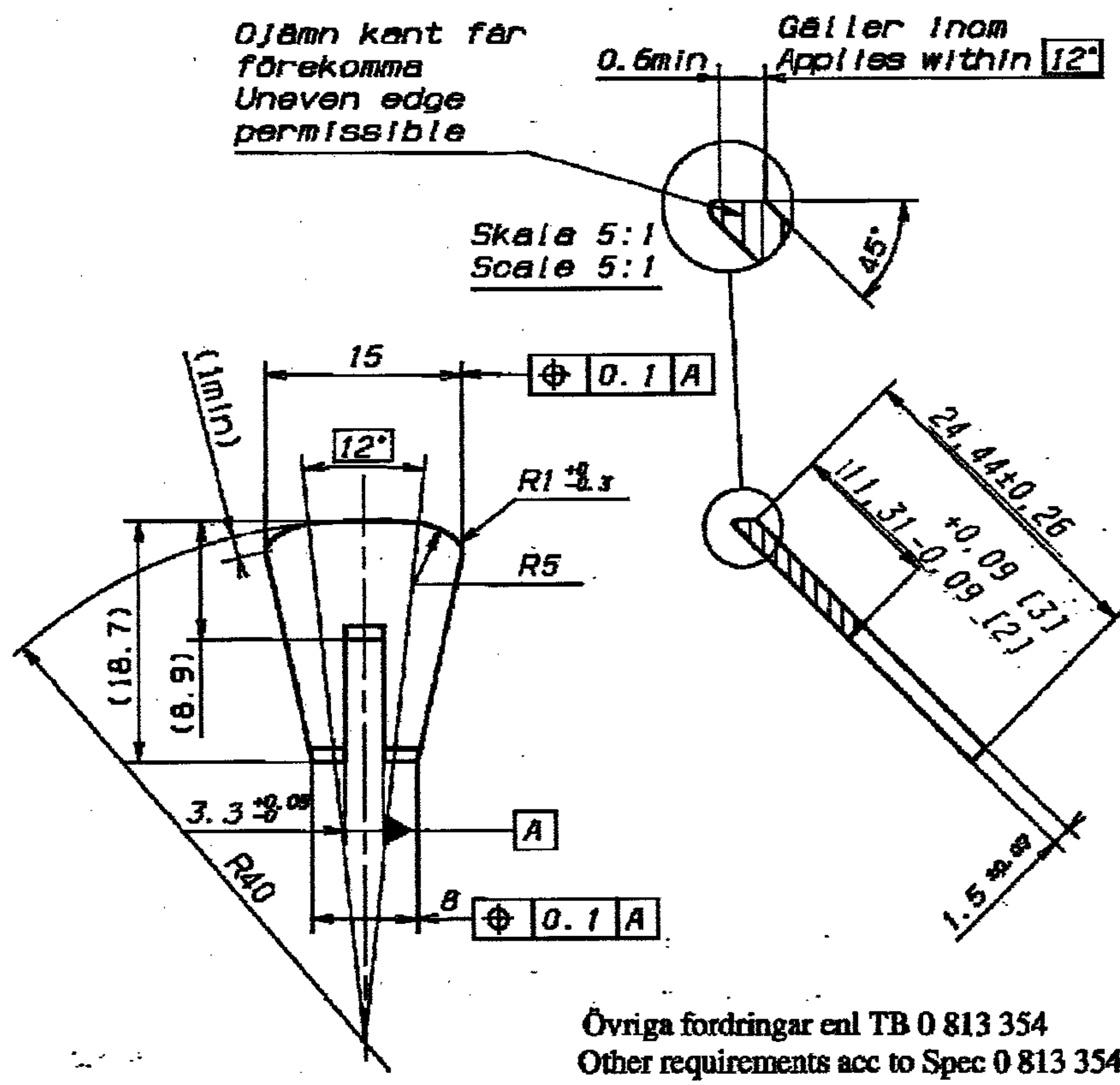
DRG NO: FS-2770 E

Utgåva	Ändr nr	Plats på ritning/Beskrivning	Datum	Utförd	Granskad/Godk
2	–	ÄO 601002665	09-01-15		



Övriga fordringar enl TB 0 813 354
Other requirements acc to Spec 0 813 354
Generellt gäller fordringsklass [3] där ej annat angives
Generally requirement class [3] applies unless otherwise stated

*)

Material	EN 755-2, AW-Al 7075-T6 el likv/or equal
Art nr/No	05209770
	ÄO 601002665
Där ej annat anges gäller Tolerans	±IT 14/2
Gradning R / Fas	0.3 eller 0.3x45°
Skala	2:1
Konstr/Ritad	HM
Ritningsgranskad	J-EJ
Konstruktionsgransk	JJ
Godkänd	JJ
Datum	890913
Kontrollgranskad	LW
Produktionsgranskad	LM
Datum	890918
Benämning	GLIDSKO SLIDE SHOE
Informationsklass	INTERN
Ritningsnummer/Drawing number	301075223
Utg Edition	2

01-164920

Ingår i/Jfr

FFV

Uppgifter som upptas i denna handling är FFV egendom. Allt obehörigt utnyttjande därav kommer att beivras.

F7321-4567 7100 SUPER IMPERIAL 30

AMENDMENTS

REV	DATE	DESCRIPTION	SIGN
257/08	14/08/08	DRG. AMENDED AS PER STORE DRG NO 301075223 (OLD STORE DRG NO -5209770)	SDM/FS
281/08	11/08/08	ALT. MATL & SHEET NO 2/2 ADDED	JGM/FS
304/08	08/10/08	SHEET NO - 3/3 ADDED.	FS
D 264/2010	22/10/10	DIMN. 1.5±0.07 WAS 1.5±0.05	DIR/DDC
E 23/2014	29/1/14	NEW NEGATIVE MADE	Sr.DIR/ODC

MATERIAL:

EN 755-2, AW-AL 7075-T6 **
OR
EN 485-2:2007(E), ALLOY EN AW-7075-T651 *

DRAWN	
CHECKED	
HOS/CDD	29/01/14
APPROVED BY Sr.DIR/ODC	

DRAWING NO: FS-2770 E — SHEET NO 1/3

ऑर्डनैंस फैक्टरी अम्बाझरी
ORDNANCE FACTORY AMBAJHARI

Table 15 — Alloy EN AW-7075 [Al Zn5,5MgCu]

Temper	Specified thickness mm		R_m MPa		$R_{p0,2}$ MPa		Elongation min. %		Bend radius [a]		Hardness HBW [a]
	over	up to	min.	max.	min.	max.	$A_{50\,mm}$	A	180°	90°	
O	≥ 0,4	0,8		275		145	10		1,0 t	0,5 t	55
	0,8	1,5		275		145	10		2,0 t	1,0 t	55
	1,5	3,0		275		145	10		3,0 t	1,0 t	55
	3,0	6,0		275		145	10			2,5 t	55
	6,0	12,5		275		145	10			4,0 t	55
	12,5	75,0		275				9			55
T6	≥ 0,4	0,8	525		460		6			4,5 t [b]	157
T651	0,8	1,5	540		460		6			5,5 t [b]	160
T62	1,5	3,0	540		470		7			6,5 t [b]	161
	3,0	6,0	545		475		8			8,0 t [b]	163
	6,0	12,5	540		460		8			12 t [b]	160
	12,5	25,0	540		470			6			161
	25,0	50,0	530		460			5			158
	50,0	60,0	525		440			4			155
	60,0	80,0	495		420			4			147
	80,0	90,0	490		390			4			144
	90,0	100,0	460		360			3			135
	100,0	120,0	410		300			2			119
	120,0	150,0	360		260			2			104
	150,0	200,0	360		240			2			
	200,0	300,0	360		220			1			
T652	150,0	200,0	360		260			2			
	200,0	300,0	360		220			2			
T76	≥ 1,5	3,0	500		425		7				149
T7651	3,0	6,0	500		425		8				149
[c]	6,0	12,5	490		415		7				146
T73	≥ 1,5	3,0	460		385		7				137
T7351	3,0	6,0	460		385		8				137
[d]	6,0	12,5	475		390		7				140
	12,5	25,0	475		390			6			140
	25,0	50,0	475		390			5			140
	50,0	60,0	455		360			5			133
	60,0	80,0	440		340			5			129
	80,0	100,0	430		340			5			126

Whenever a new application of this alloy is contemplated, and if this application involves special properties such as corrosion resistance, toughness, fatigue strength, it is strongly recommended that the user consult the producer in order to make a precise and appropriate selection of the material.

[a] For information only.

[b] Appreciably smaller cold bend radii can be achieved immediately after quenching.

"continued"

Table 48 : Alloy EN AW-7075 [Al Zn 5,5MgCu]

Extruded rod/bar								
Temper	Dimensions mm		R_m MPa		$R_{P0,2}$ MPa		A %	$A_{50\ mm}$ %
	D [1]	S [2]	min.	max.	min.	max.	min.	min.
O, H111	≤ 200	≤ 200	-	275	-	165	10	8
** T6, T6510, T6511	≤ 25	≤ 25	540	-	480	-	7	5
	25<D≤100	25 < S ≤ 100	580	-	500	-	7	-
	100 < D ≤ 150	100 < S ≤ 150	530	-	470	-	6	-
	150 < D ≤ 200	150 < S ≤ 200	470	-	400	-	5	-
T73, T73510, T73511 [9]	≤ 25	≤ 25	485	-	420	-	7	5
	25 < D ≤ 75	25 < S ≤ 75	475	-	405	-	7	-
	75 < D ≤ 100	75 < S ≤ 100	470	-	390	-	6	-
	100 < D ≤ 150	100 < S ≤ 150	440	-	360	-	6	-

Extruded tube							
Temper	Dimensions mm	R_m MPa		$R_{P0,2}$ MPa		A %	$A_{50\ mm}$ %
	e [3]	min.	max.	min.	max.	min.	min.
O, H111	≤ 10	-	275	-	165	10	-
T6, T6510, T6511	≤ 5	540	-	485	-	8	6
	5 < e ≤ 10	580	-	505	-	7	5
	10 < e ≤ 50	560	-	495	-	6	4
T73, T73510, T73511 [9]	≤ 5	470	-	400	-	7	5
	5 < e ≤ 25	485	-	420	-	8	6
	25 < e ≤ 50	475	-	405	-	8	-

Extruded profile [10]							
Temper	Dimensions mm	R_m MPa		$R_{P0,2}$ MPa		A %	$A_{50\ mm}$ %
	e [3]	min.	max.	min.	max.	min.	min.
** T6, T6510, T6511	≤ 25	530	-	460	-	6	4
	25 < e ≤ 60	540	-	470	-	6	-
T73, 73510, T73511 [9]	≤ 25	485	-	420	-	7	5

1) D = Diameter for round bar.

2) S = Width across flats for square and hexagonal bar, thickness for rectangular bar.

3) e = Wall thickness.

9) Refer to annex A and annex B, for material in this temper.

10) If a profile cross-section is comprised of different thicknesses which fall in more than one set of specified mechanical property values, the lowest specified value shall be considered as valid for the whole profile cross-section.