

Tunnel technologies Ltd



Beam for flaps

TT45V1-7.3.3A

CEO

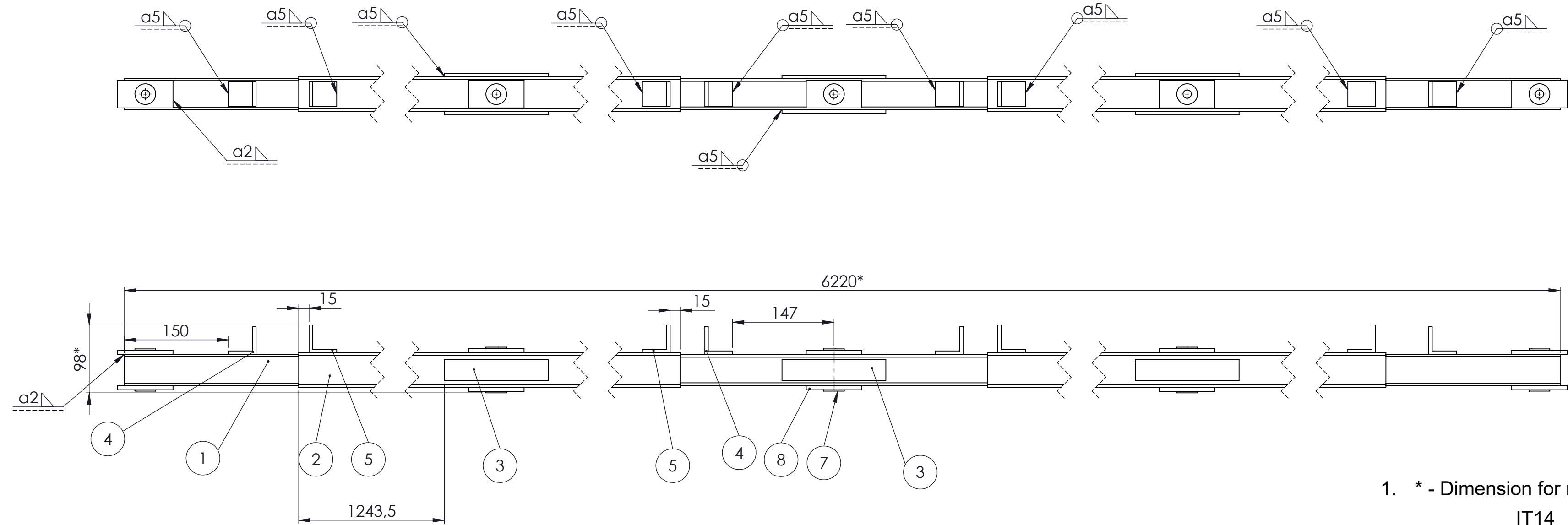
Chief engineer

Lisin S.

Savchenko I.

Saint-Petersburg
2016

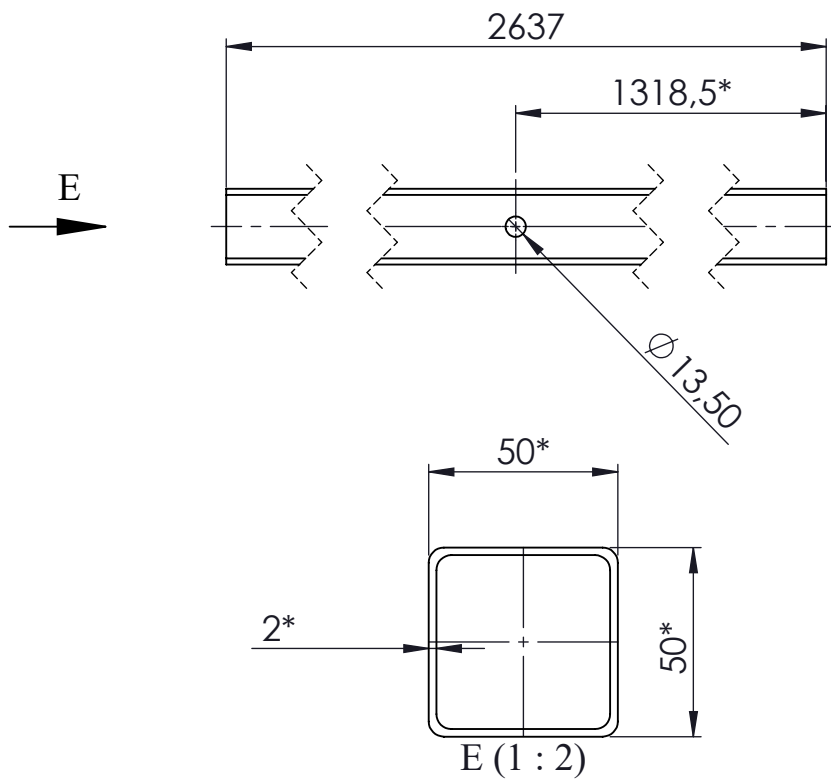
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION A-03	
								TUNNEL TECHNOLOGIES			
								TITLE: Project contents			
DRAWN		NAME Basovskiy P.		SIGNATURE		DATE 06.16		DWG NO.		A4	
CHK'D		Savchenko I.				06.16					
APPV'D											
MFG											
Q.A								MATERIAL:			
								WEIGHT:		SCALE:1:25	
										SHEET 2 OF 10	



- * - Dimension for references
- H14, h14, $\pm \frac{IT14}{2}$.
- Items 4 and 5 weld with concentric in holes.
- Similar places weld similarly as specified
- Welding roughness Ra6.3.
- To blunt sharp edges.

Item	Part No	Description	Q-ty
1	TT45V1-7.3.3.2 P	Beam1 45x45x2x650	2
2	TT45V1-7.3.3.1 P	Omnium beam 50x50x2x2637	2
3	TT45V1-7.3.3.3 P	Plate 150x30x5	6
4	TT45V1-7.3.3.4 P	Angle1 40x40x5	4
5	TT45V1-7.3.3.5 P	Angle2 40x40x5	4
6	TT45V1-7.3.3.6 P	Beam2 45x45x2x1240	1
7	F6001ZZ F6001	Flanged bearing 28x12x8	10
8	TT45V1-7.3.3.7 P	Plate with a hole for bearing (6)	10

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING				REVISION			
										TUNNEL TECHNOLOGIES					
DRAWN		NAME		SIGNATURE		DATE				TITLE:		Beam for flaps			
CHK'D		Basovskiy P.				06.16									
CHK'D		Savchenko I.				06.16									
APP'V'D															
MFG															
Q.A								MATERIAL:		DWG NO.		TT45V1-7.3.3A		A2	
								WEIGHT: 25.72		SCALE:1:5		SHEET 3 OF 10			



UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH:
TOLERANCES:
LINEAR:
ANGULAR:

FINISH:

DEBUR AND
BREAK SHARP
EDGES

DO NOT SCALE DRAWING

REVISION



TUNNEL TECHNOLOGIES

	NAME	SIGNATURE	DATE		
DRAWN	Rozhkov I.		09.08.2017		
CHK'D	Basovskiy P.		09.08.2017		
APPV'D					
MFG					
Q.A					

MATERIAL:

Сталь 3 ГОСТ 535-88

TITLE:

Omnium beam
50x50x2x2637

DWG NO.

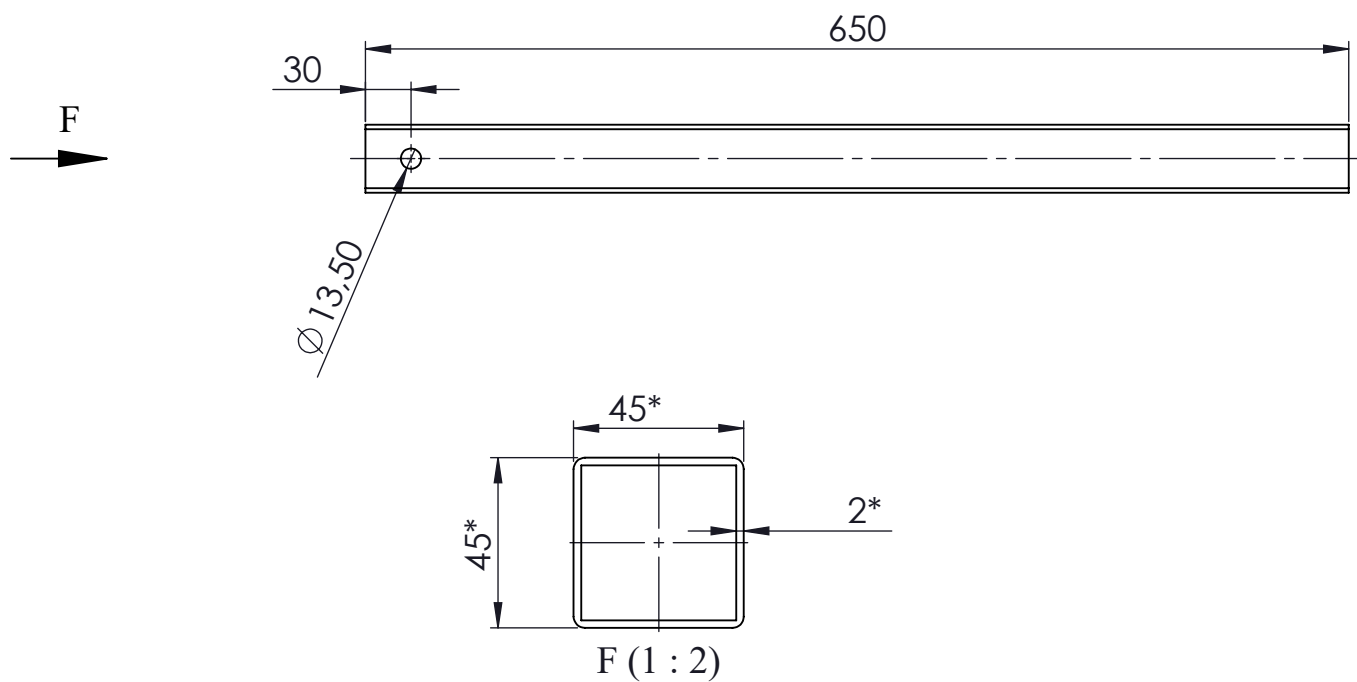
TT45V1-7.3.3.1 P

A4

WEIGHT: 7.92

SCALE:1:5

SHEET 4 OF 10



UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH:
LINEAR:
ANGULAR:

FINISH:

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BREAK SHARP
EDGES

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A-03



TUNNEL TECHNOLOGIES

TITLE:

Beam1 45x45x2x650

	NAME	SIGNATURE	DATE		
DRAWN	Rozhkov I.		09.08.2017		
CHK'D	Basovskiy P.		09.08.2017		
APPV'D					
MFG					
Q.A					

MATERIAL:

Сталь 3 ГОСТ 535-88

DWG NO.

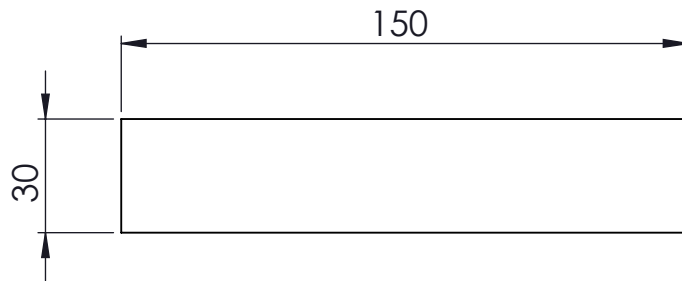
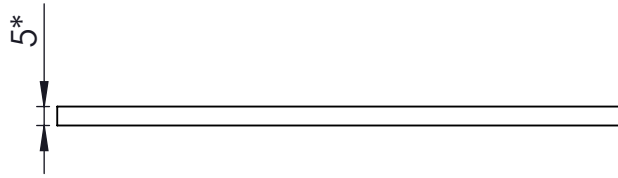
TT45V1-7.3.3.2 P

A4

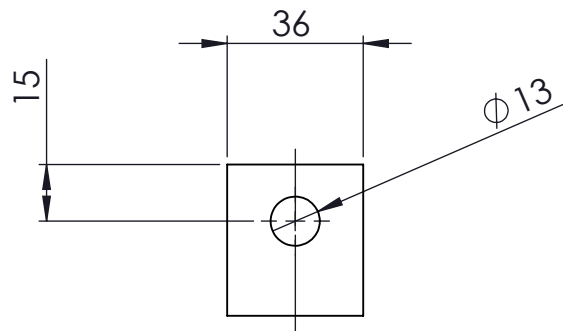
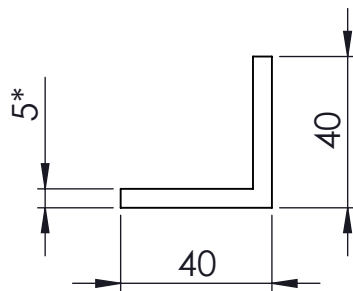
WEIGHT: 1.71

SCALE:1:5

SHEET 5 OF 10



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION A-03	
								 TUNNEL TECHNOLOGIES			
								TITLE: Plate 150x30x5			
DRAWN		NAME		SIGNATURE		DATE		DWG NO.		TT45V1-7.3.3.3 P	
CHK'D		Rozhkov I.				09.08.2017		SCALE:1:2		SHEET 6 OF 10	
APPV'D		Basovskiy P.				09.08.2017		MATERIAL:		A4	
MFG								Q235B			
Q.A								WEIGHT: 0.18			



UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH:
TOLERANCES:
LINEAR:
ANGULAR:

FINISH:

DEBUR AND
BREAK SHARP
EDGES

DO NOT SCALE DRAWING

REVISION

A-03



TUNNEL TECHNOLOGIES

TITLE:

Angle1 40x40x5

	NAME	SIGNATURE	DATE			
DRAWN	Rozhkov I.		09.08.2017			
CHK'D	Basovskiy P.		09.08.2017			
APPV'D						
MFG						
Q.A						

MATERIAL:

Q235B

DWG NO.

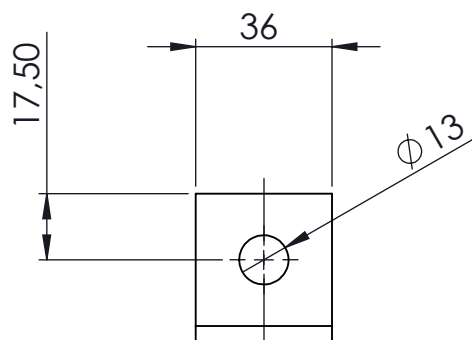
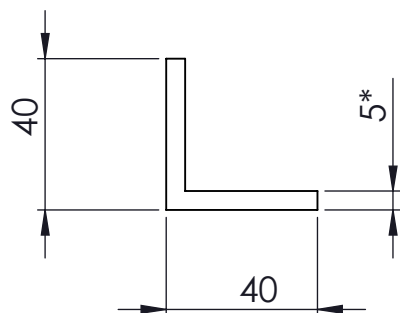
TT45V1-7.3.3.4 P

A4

WEIGHT: 0.10

SCALE:1:2

SHEET 7 OF 10



UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH:
TOLERANCES:
LINEAR:
ANGULAR:

FINISH:

DEBUR AND
BREAK SHARP
EDGES

DO NOT SCALE DRAWING

REVISION

A-03



TUNNEL TECHNOLOGIES

TITLE:

Angle2 40x40x5

	NAME	SIGNATURE	DATE
DRAWN	Rozhkov I.		09.08.2017
CHK'D	Basovskiy P.		09.08.2017
APPV'D			
MFG			

MATERIAL:

Q235B

DWG NO.

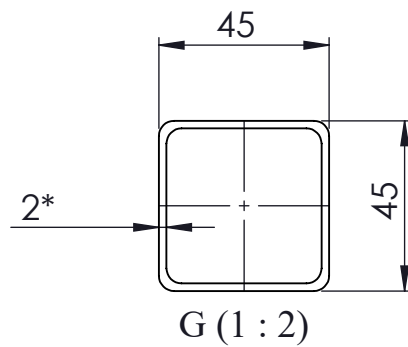
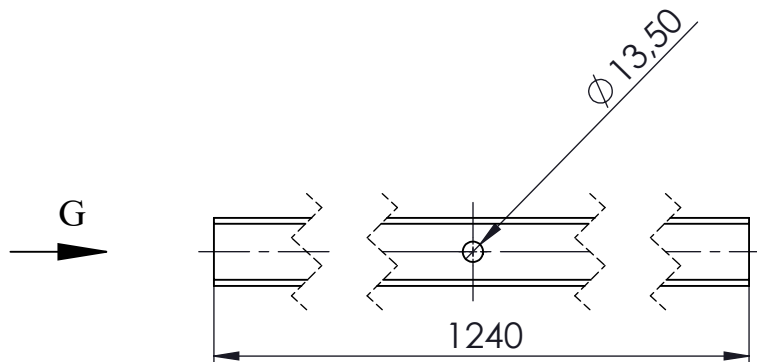
TT45V1-7.3.3.5 P

A4

WEIGHT: 0.10

SCALE:1:2

SHEET 8 OF 10



UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH:
TOLERANCES:
LINEAR:
ANGULAR:

FINISH:

DEBUR AND
BREAK SHARP
EDGES

DO NOT SCALE DRAWING

REVISION

A-03



TUNNEL TECHNOLOGIES

TITLE:

Beam2 45x45x2x1240

	NAME	SIGNATURE	DATE
DRAWN	Rozhkov I.		09.08.2017
CHK'D	Basovskiy P.		09.08.2017
APPV'D			
MFG			
Q.A			

MATERIAL:

Q235B

DWG NO.

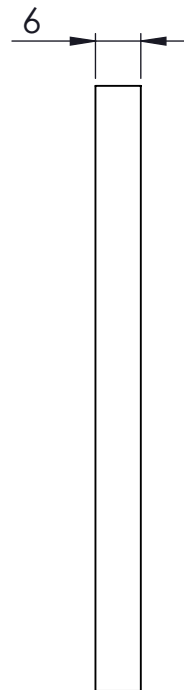
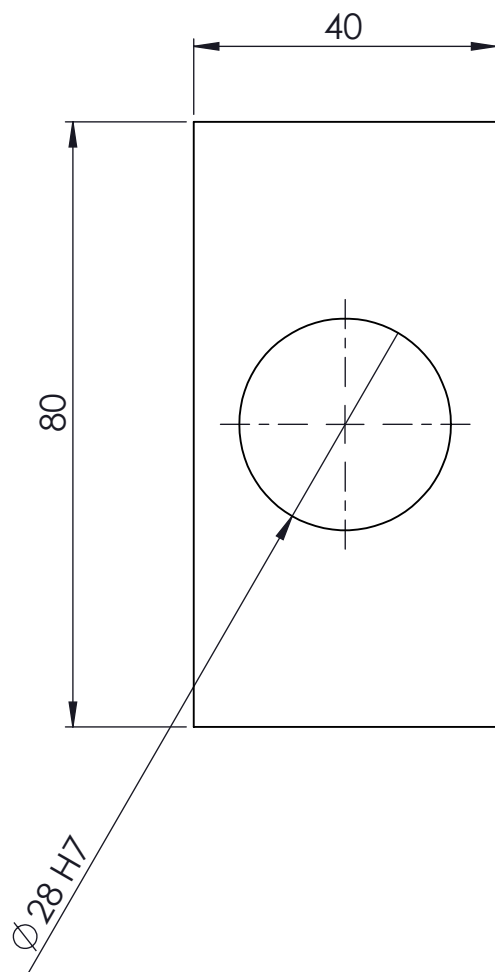
TT45V1-7.3.3.6 P

A4

WEIGHT: 3.37

SCALE:1:5

SHEET 9 OF 10



UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH:
TOLERANCES:
LINEAR:
ANGULAR:

FINISH:

DEBUR AND
BREAK SHARP
EDGES

DO NOT SCALE DRAWING

REVISION

A-03



TUNNEL TECHNOLOGIES

TITLE:

Plate with a hole for
bearing (6)

	NAME	SIGNATURE	DATE		
DRAWN	Rozhkov I.		09.08.2017		
CHK'D	Basovskiy P.		09.08.2017		
APPV'D					
MFG					
Q.A					

MATERIAL:

Q235B

WEIGHT: 122.49

DWG NO.

TT45V1-7.3.3.7 P

A4

SCALE:1:1

SHEET 10 OF 10