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2

3

4

5

6

7

8

A

B

C

D

E

F

160

100

30

25

10

60

23

5 + 45°

R.

6

Isometric view

Ra 12.5

✓

( ✓ )

Edge without dimension according to DIN ISO 13715

-0.3

+0.3

Tolerance for holes and shafts without marks on drawing

Hole H12-Shaft h12

ISO 13920 Welded Construction	ISO 2768 General Tolerances	TS 12708 Steel Casting
<1000	6,0	0,8
<630	4,0	0,7
<400	3,0	0,6
<250	3,0	0,4
100	2,0	0,3
40	1,5	0,2
L mm	Ham	Ypl.
Nom. Size	Class	
<4000	2,0	0,4
<2000	1,2	0,4
<1000	0,8	0,3
<400	0,5	0,3
30-120	0,3	0,2
2-30	0,2	0,1
L mm	m ±	K ±
Nom. Size	Class	
>20000	9,0	8,0
<20000	8,0	7,0
<16000	7,0	6,0
<12000	6,0	5,0
<8000	5,0	4,0
<4000	4,0	3,0
<2000	3,0	2,0
<1000	2,0	1,5
<400	1,0	1,0
30-120	1,0	0,5
2-30	1,0	0,5
L mm	A ±	E ±
Nom. Size	Class	

Technical Specifications					
Technical Document					
Fixture/Mould Asset ID.					
Coating/Heat Tre./Roughness					
Paint/Color		Modf. No	Modification Description	Date	Sign

				S355J2 EN10025		0,4
No	Parça Adý Designation Name of Item	Adet Qty.	Resim No / Norm Drawing No / Norm	Malzeme Material	Ölçü Dimension	Aðýrlýk Weight ( Kg )
	ISO 21920-1	ISO 8015	ISO 2553	General Tol.	ISO 2768	f <input type="checkbox"/> m <input checked="" type="checkbox"/> H <input type="checkbox"/> K <input checked="" type="checkbox"/>
	EN 15085-2 Certification Level		CL1 <input type="checkbox"/> CL2 <input type="checkbox"/> CL3 <input type="checkbox"/>	Weld Pro.	ISO 13920	A <input type="checkbox"/> B <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/>
	Approved	L.Giovinazzo	21/02/2023	Scale	ISO 12708	Lm2 <input type="checkbox"/> Lr2 <input type="checkbox"/> Sm2 <input type="checkbox"/> Sr2 <input type="checkbox"/>
	Checked	M.Borlo	21/02/2023	1:1	<div>TURASAS</div> <div>Turkish Railway Vehicles Industry Inc.</div>	
	Prepared	M.Cojocar	21/02/2023			
	Plate			GZ11.07.22.10015		
	-					
TYP	Date: 21/02/2023			Sheet : 1/1	Size: A3	Rev: 00

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