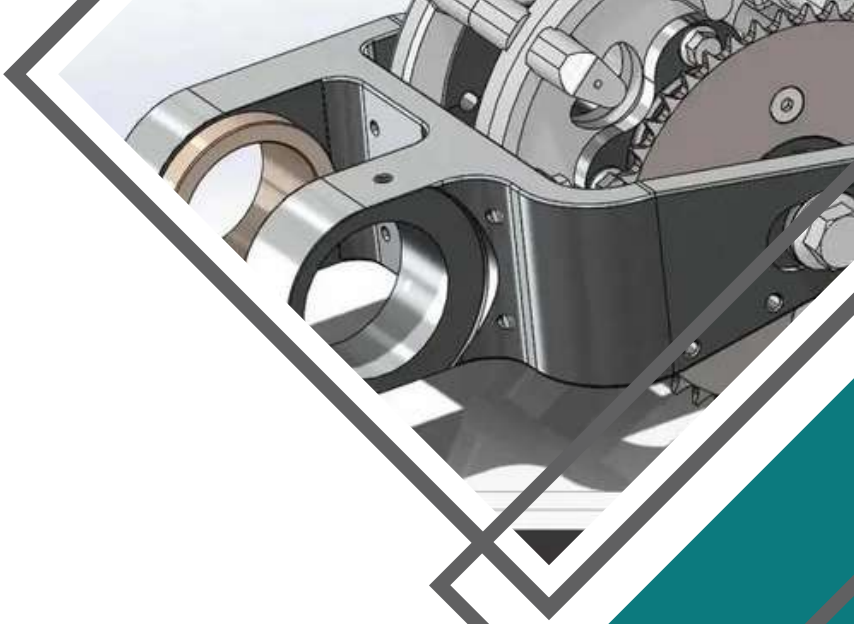


E-Book

AUTOCAD 3D DRAWINGS

www.3dcadclick.com

Preface

Designing in 3D is at the heart of modern mechanical engineering. While learning the tools is important, mastering them comes only through consistent practice. This eBook from 3DCAD Click is a comprehensive resource created to help students, trainees, and professionals build real, hands-on 3D modeling skills using industry-standard CAD software.

Whether you use AutoCAD, CATIA, Creo, SolidWorks, or NX CAD, this eBook offers a wide range of mechanical 3D practice models that are software-independent in design but fully applicable across platforms. Each model is crafted to reinforce design intent, accuracy, and visualization—critical skills in product design, tool development, and mechanical drafting.

At 3DCAD Click, an ISO certified training institute, we are committed to delivering practical learning tools that accelerate your growth as a designer. This book is part of that mission—a training companion to help you transition from learning basics to building advanced, real-world models.

Visit www.3dcadclick.com to explore guided courses and advanced CAD training designed for mechanical engineers like you.

— Team 3DCAD Click

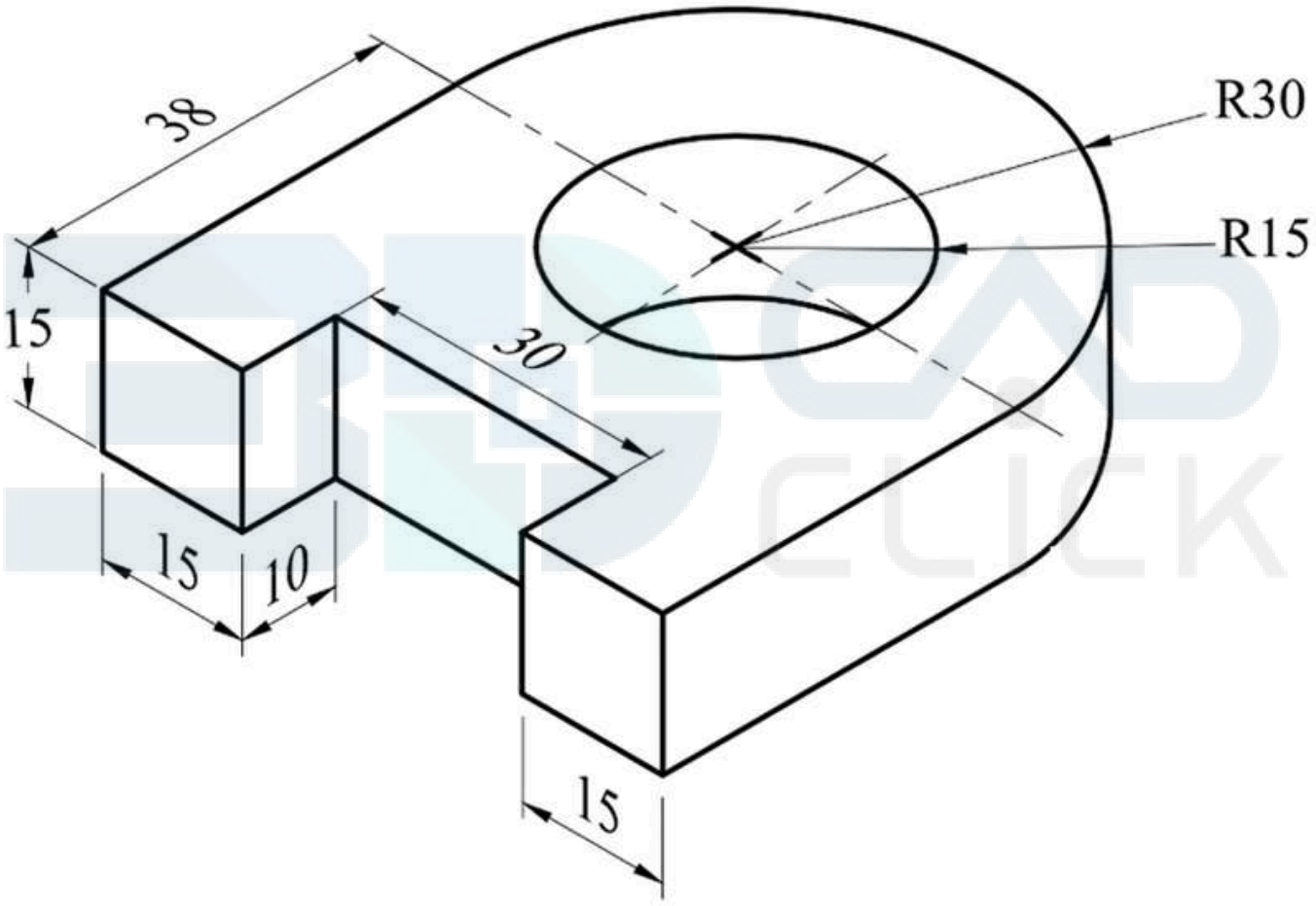
Overview

This eBook is a collection of 3D practice models designed for students and professionals who want to improve their skills in CAD software like AutoCAD, CATIA, Creo, SolidWorks, and NX CAD.

Each model comes with clear dimensions and views, so you can practice building them step by step. The models range from basic parts to slightly complex components, making this book useful for both beginners and intermediate learners.

Whether you are preparing for job interviews, certification exams, or just want to get better at 3D modeling, this book will help you gain confidence and accuracy.

For more learning resources and CAD training, visit www.3dcadclick.com, an ISO certified training institute for mechanical engineers.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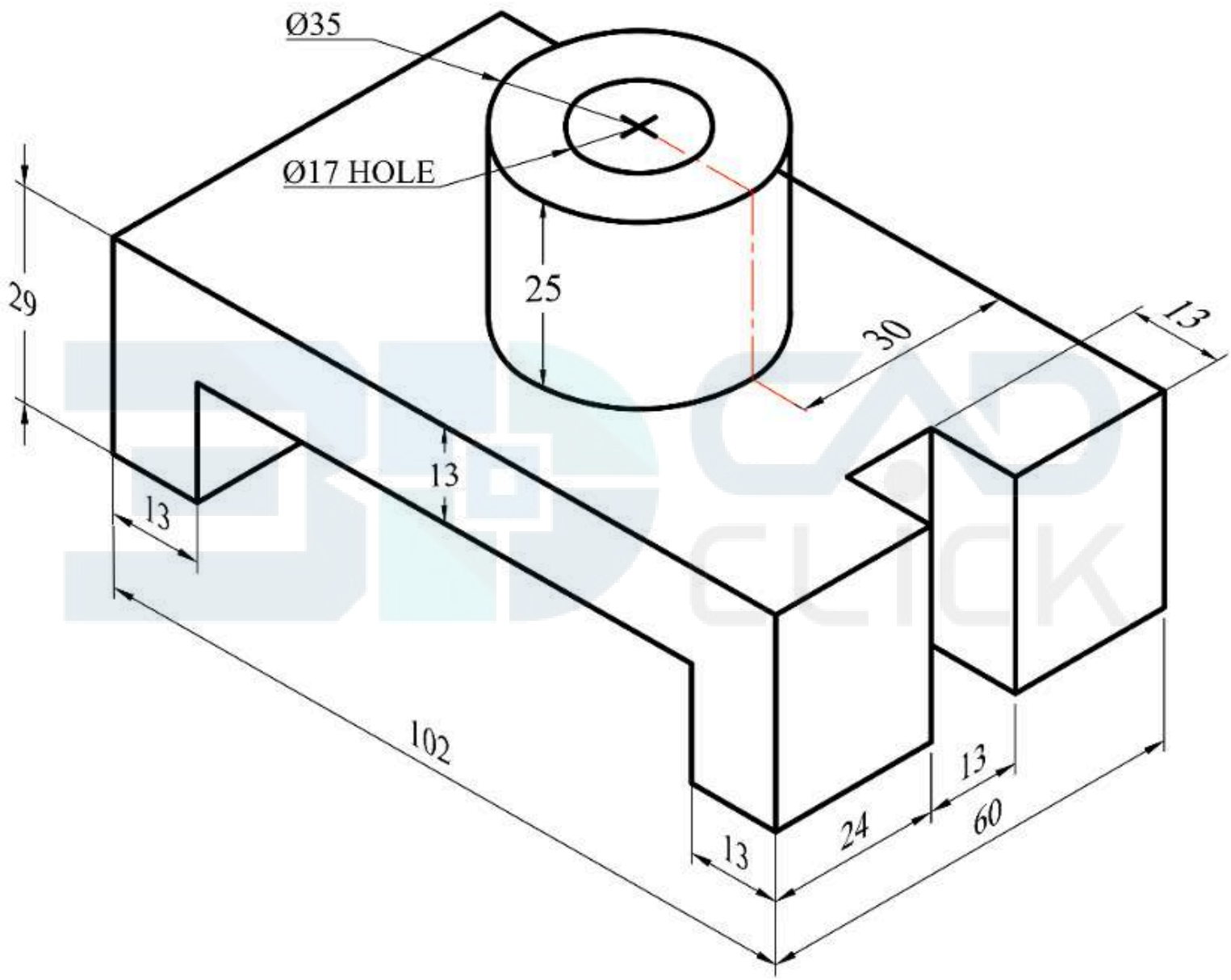
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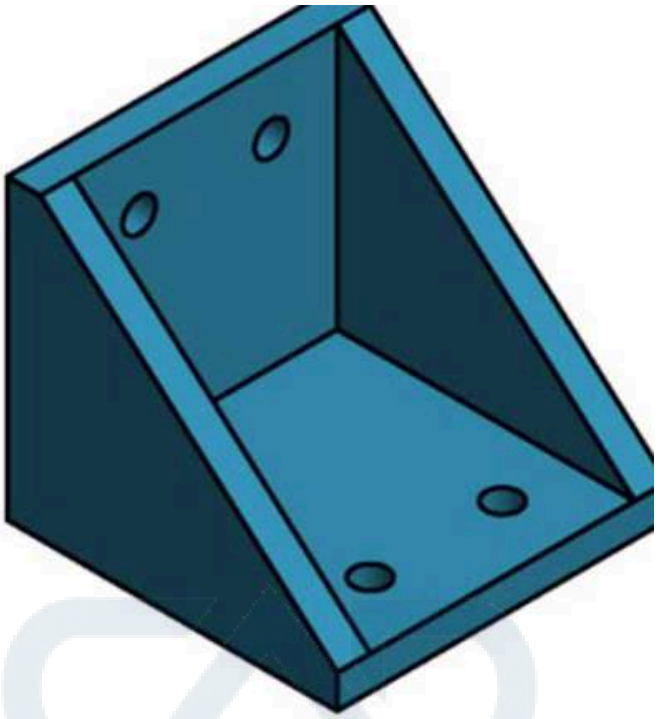

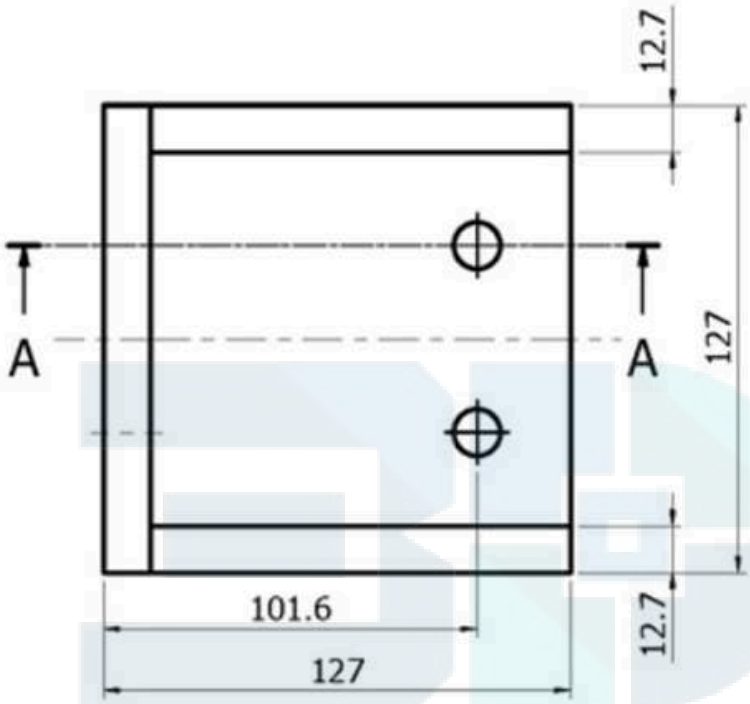
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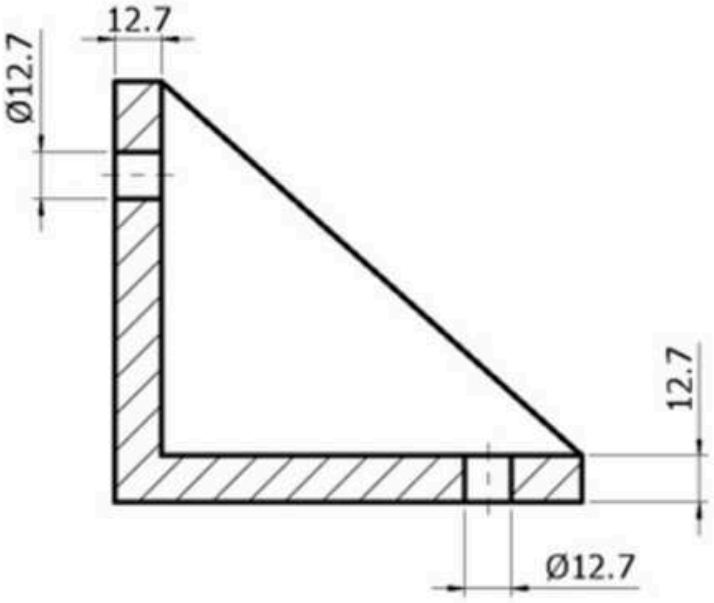
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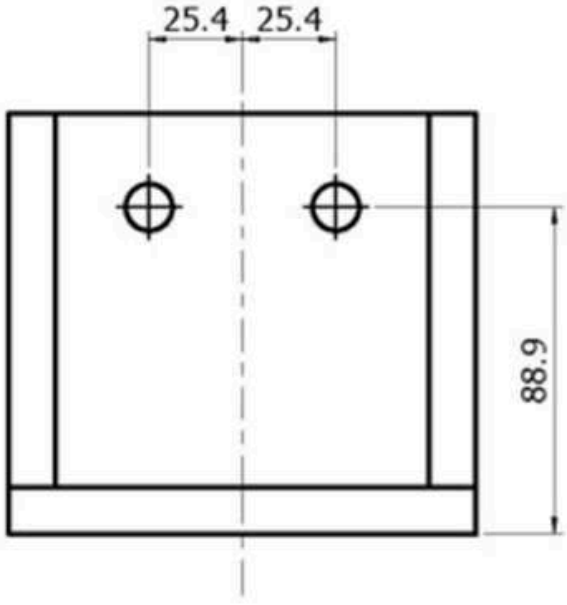
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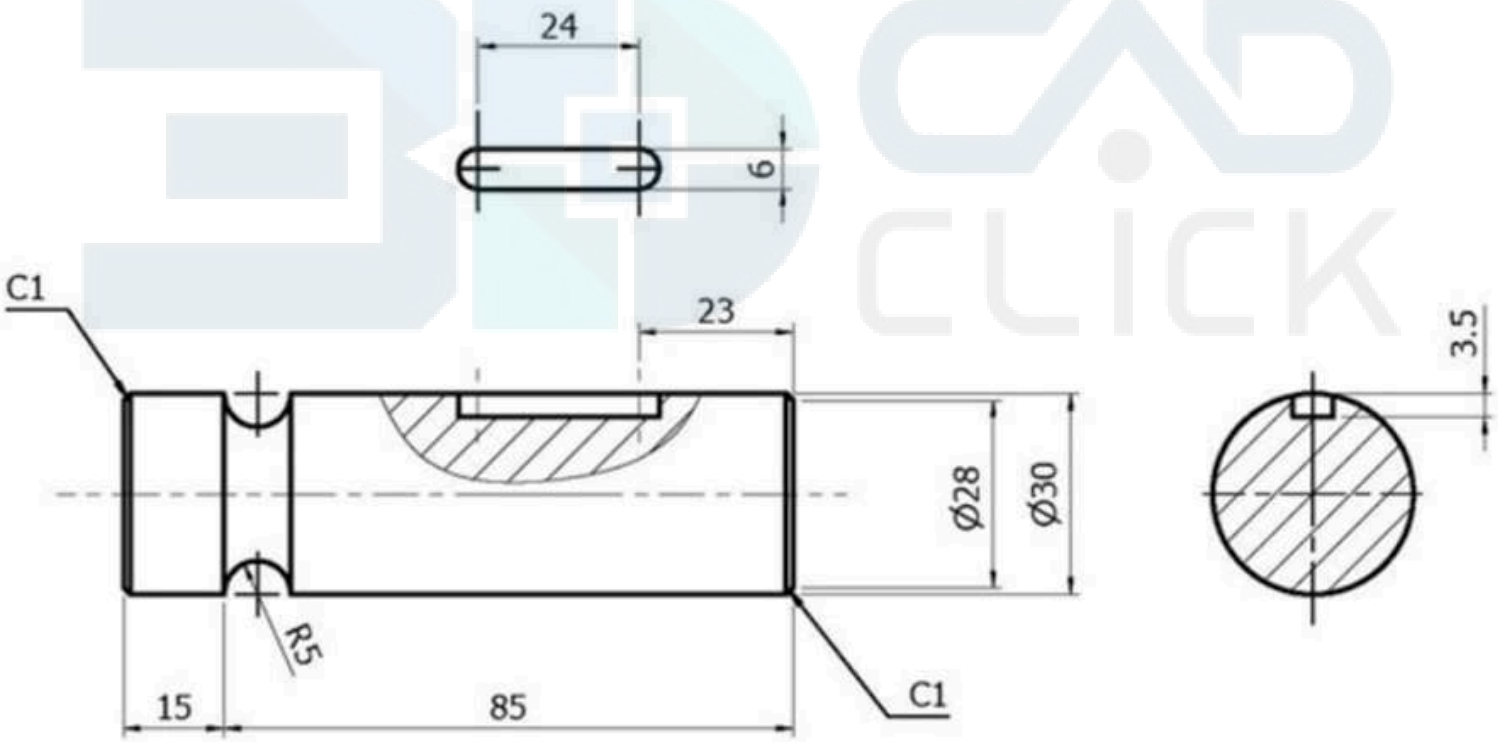
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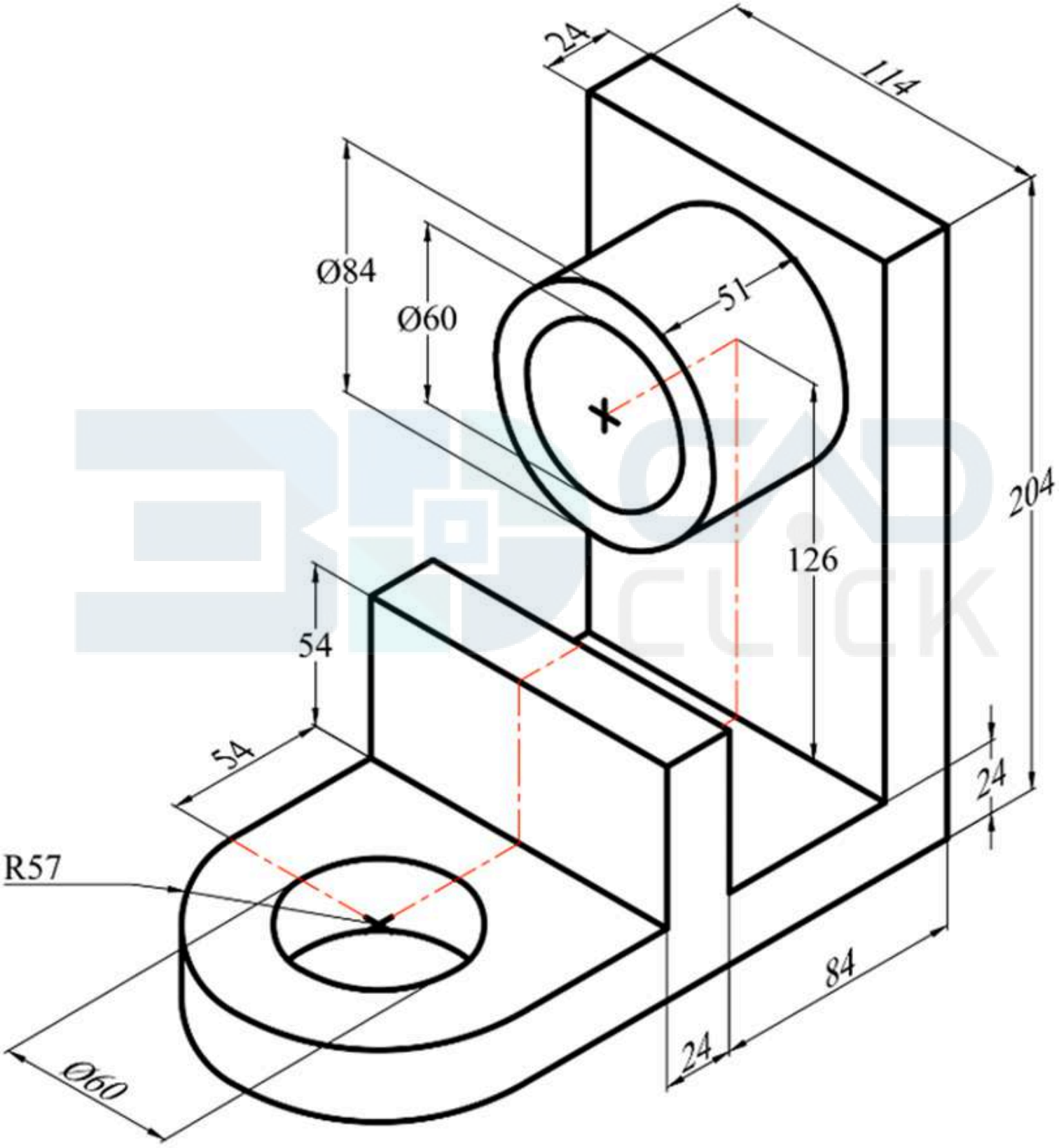
C1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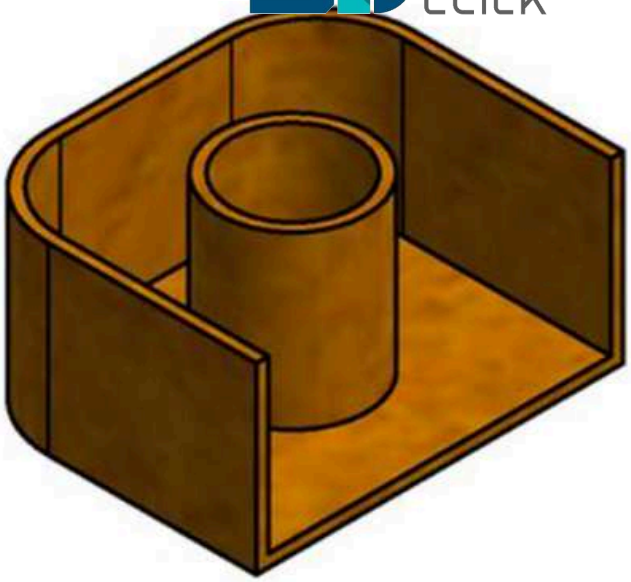

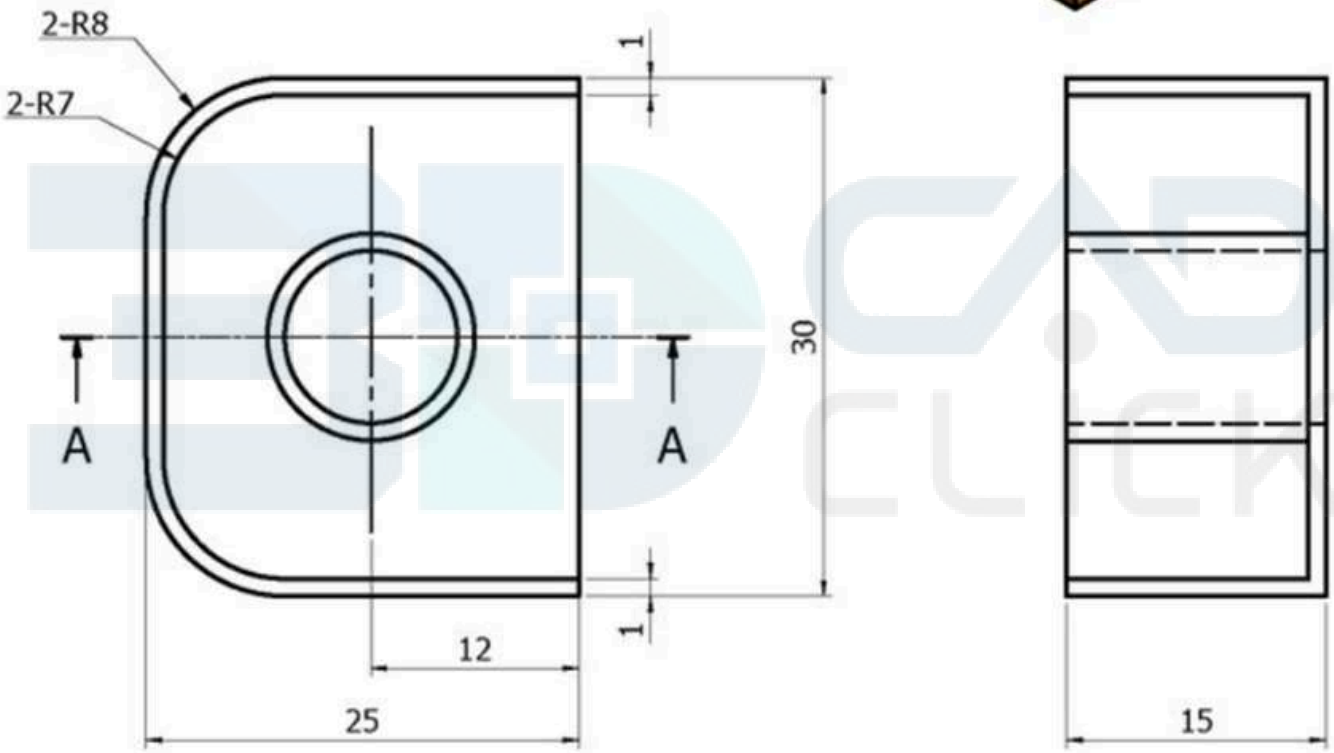
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1
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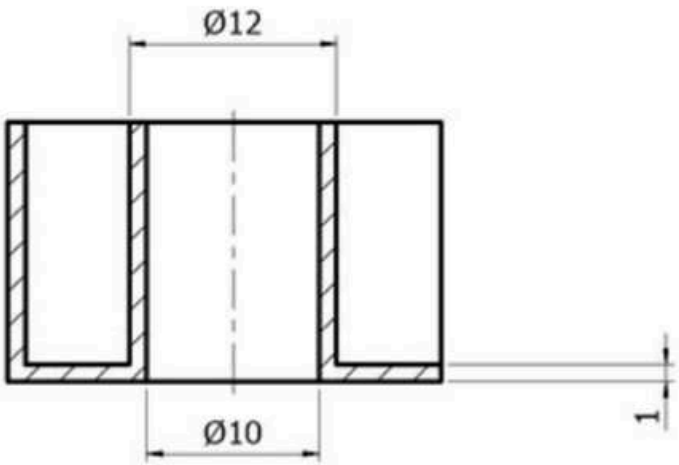
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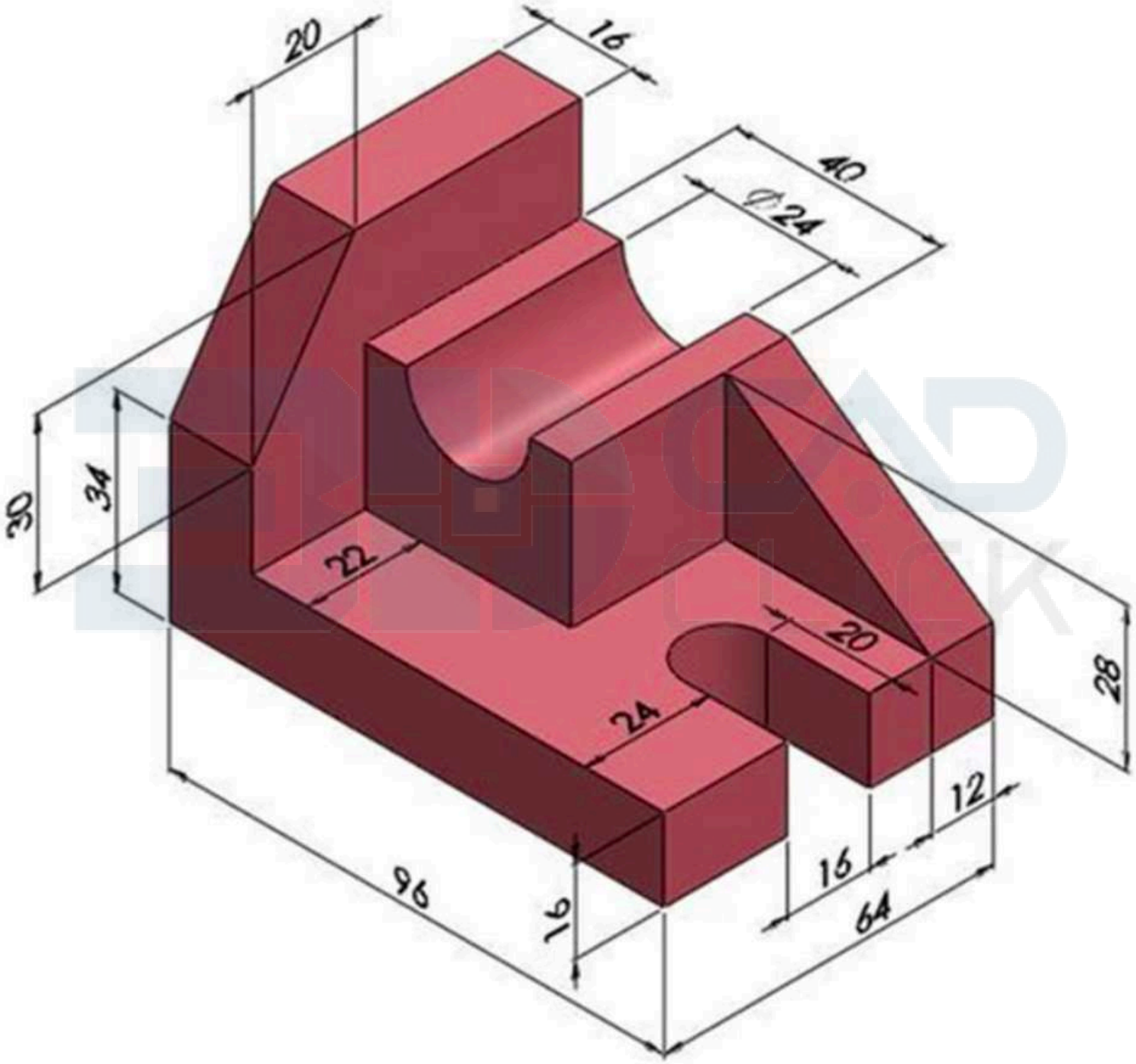
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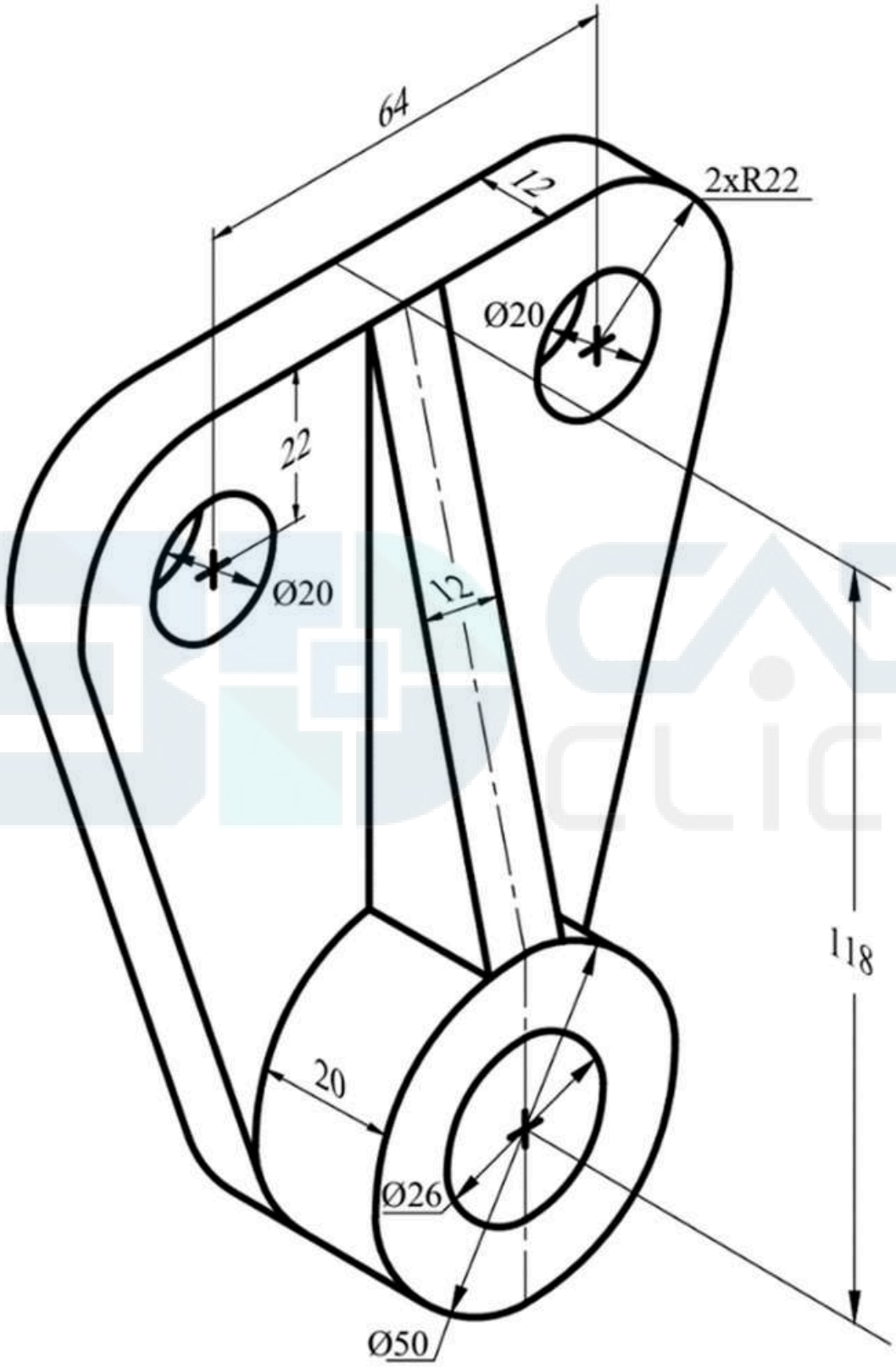
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2xR22
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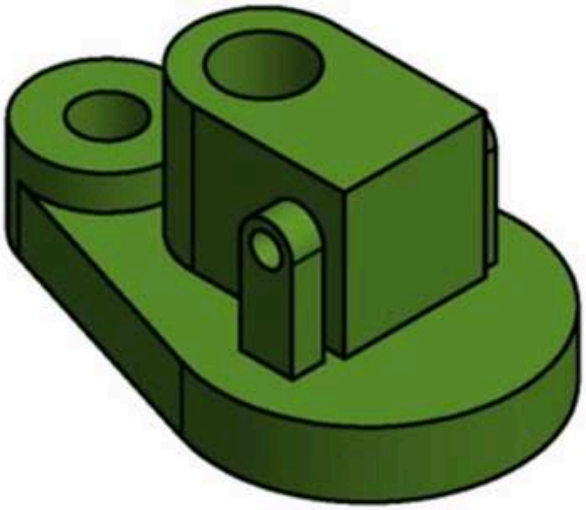

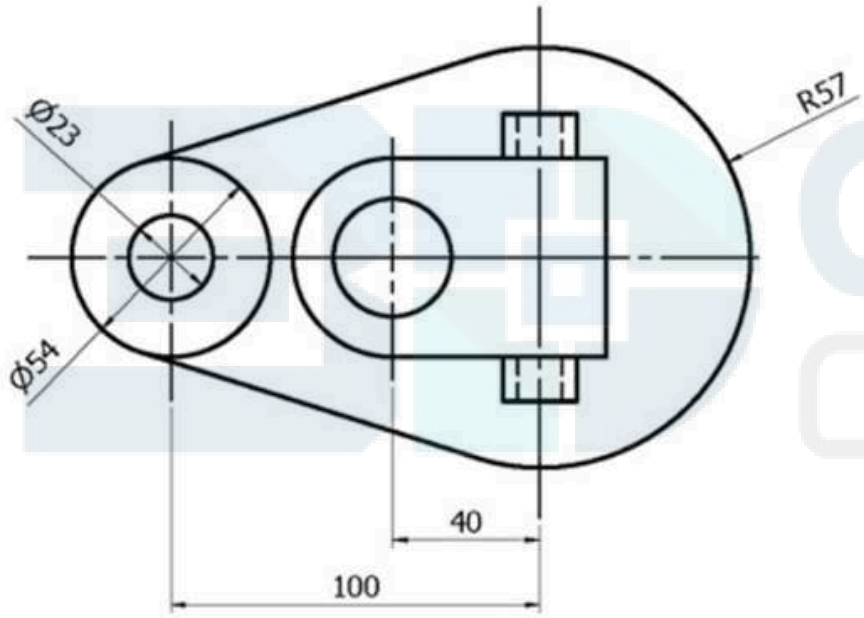
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Ø54
40
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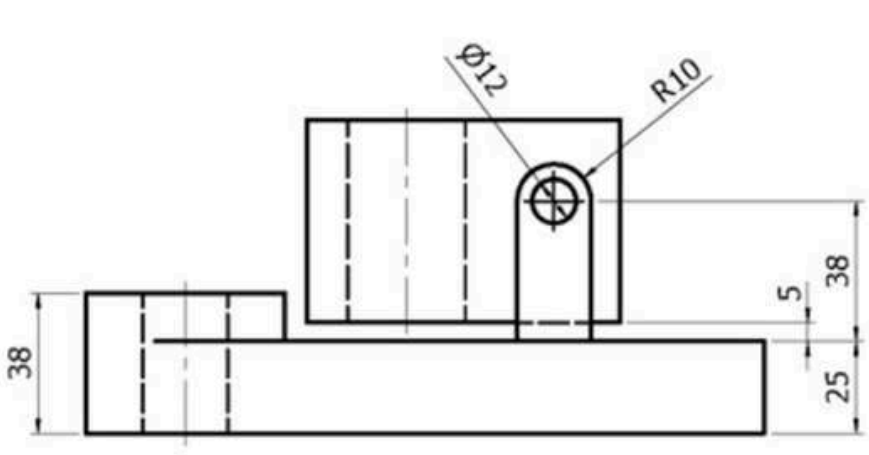
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R10
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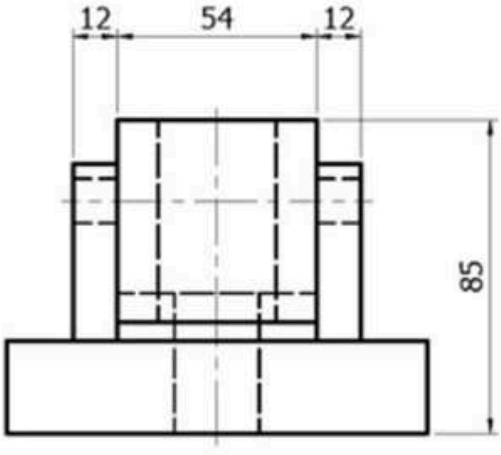
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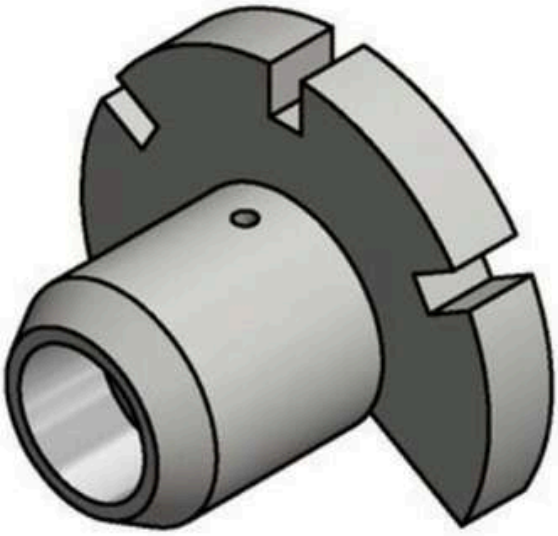

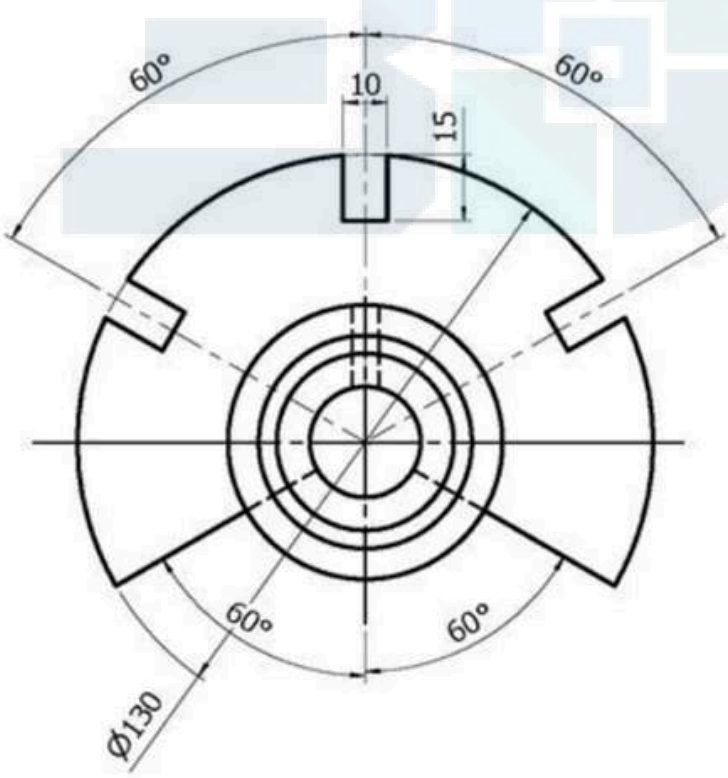
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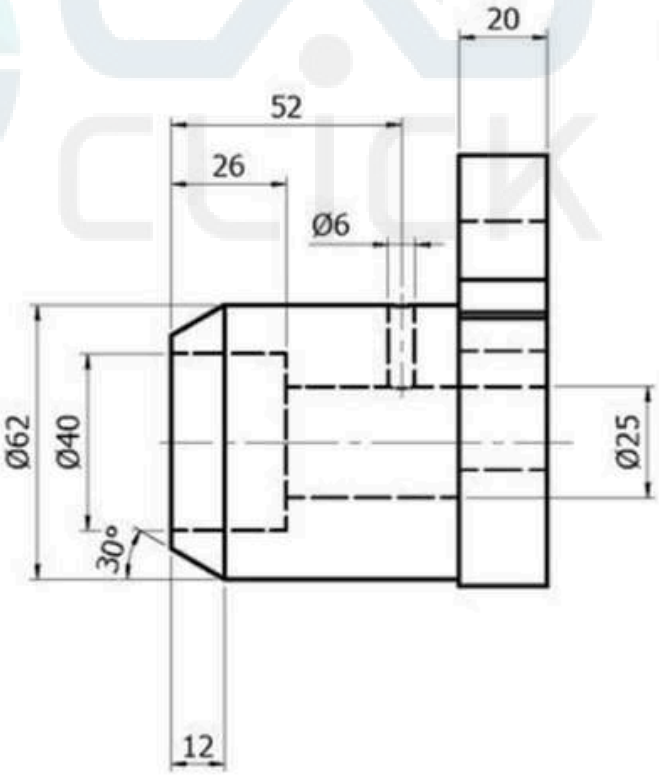
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Ø62
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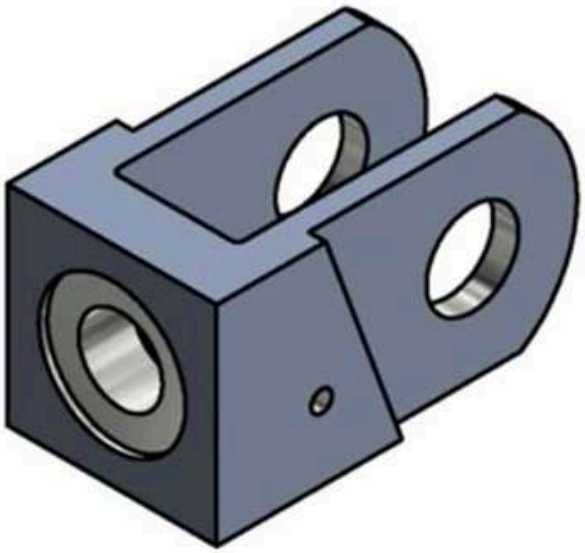

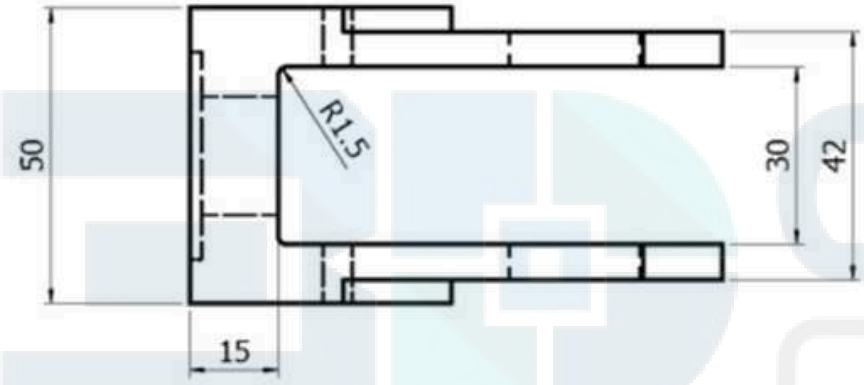
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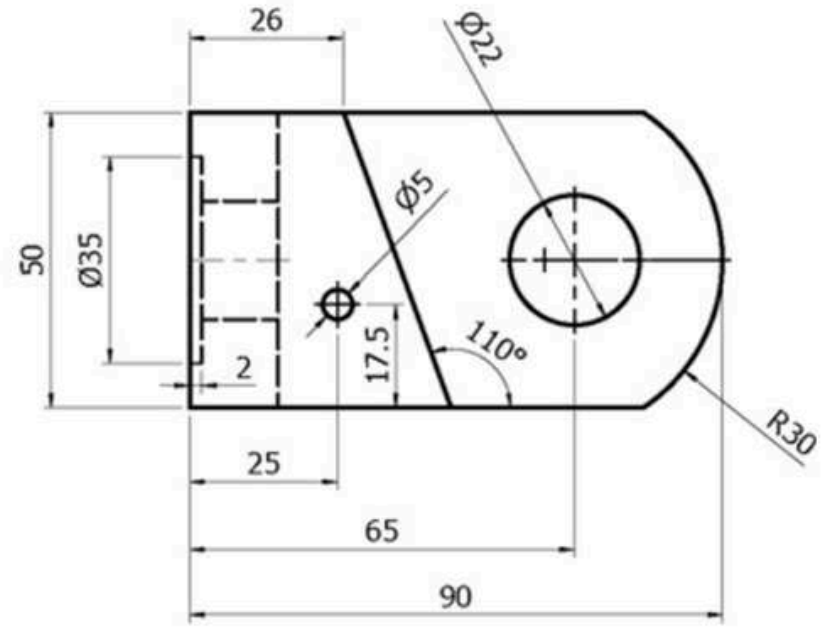
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Ø35
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17.5
110°
R30
25
65
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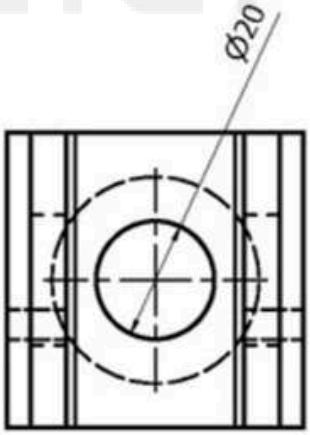
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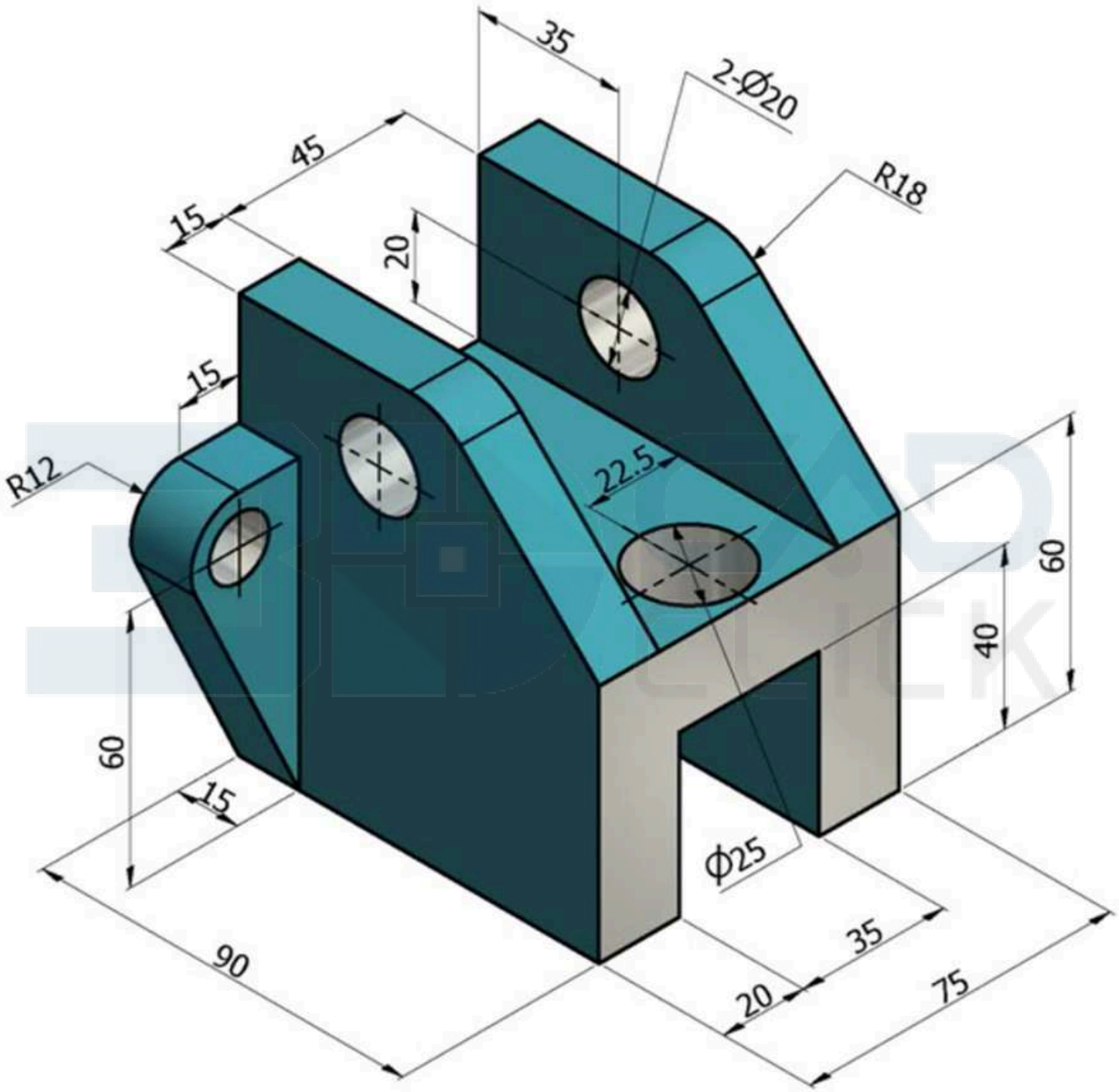
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R18
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15
Ø25
90
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20
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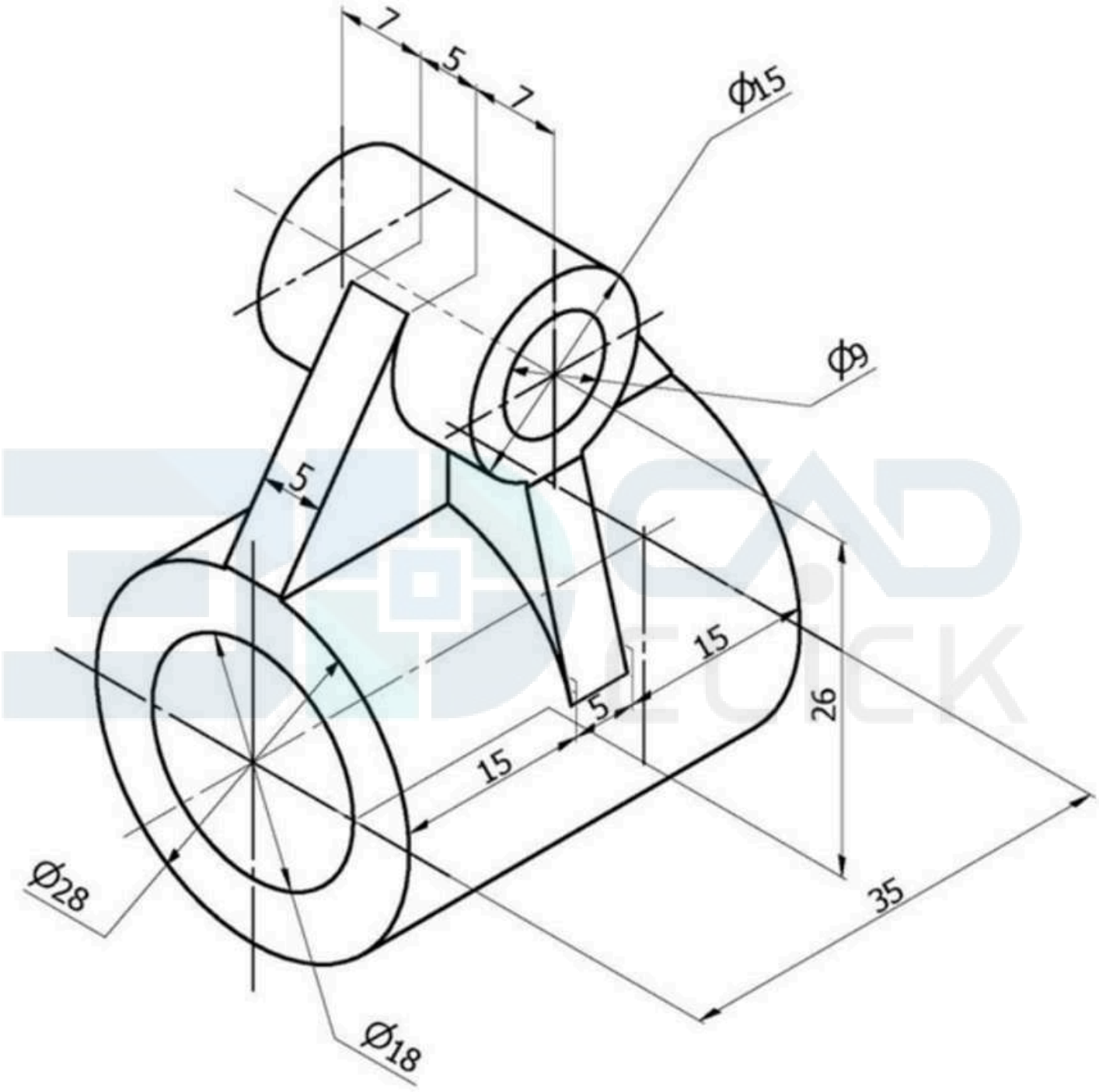
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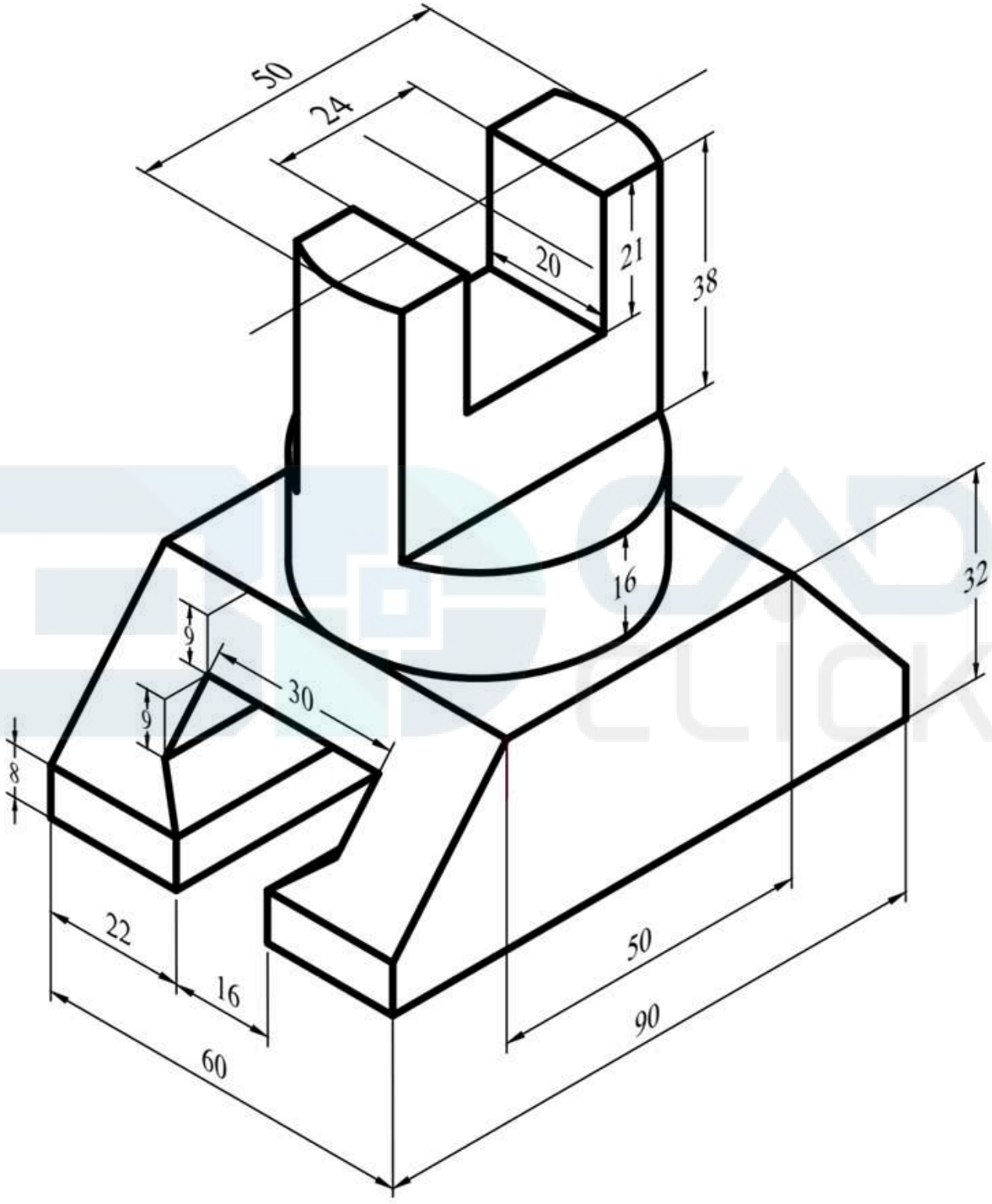
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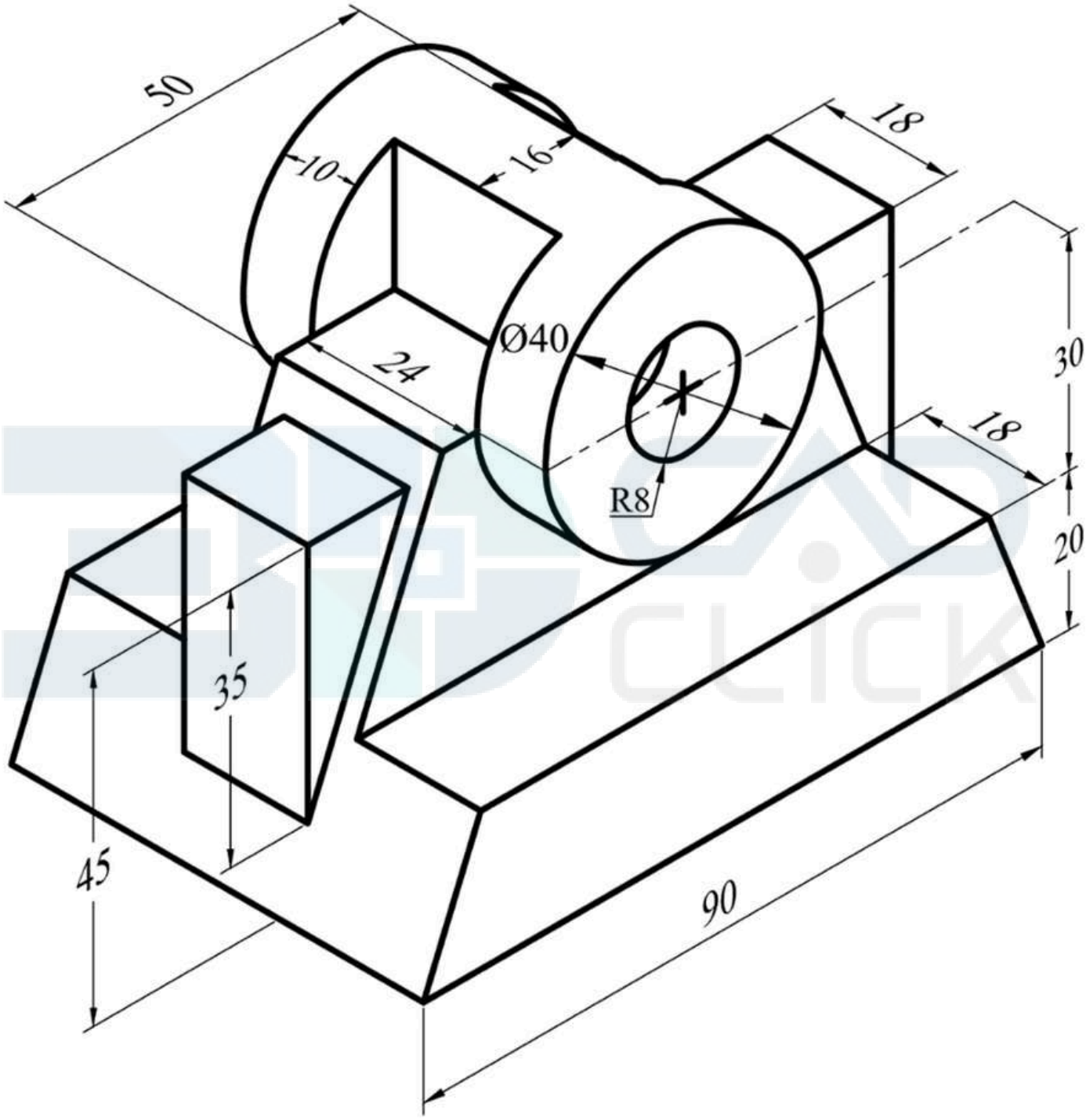
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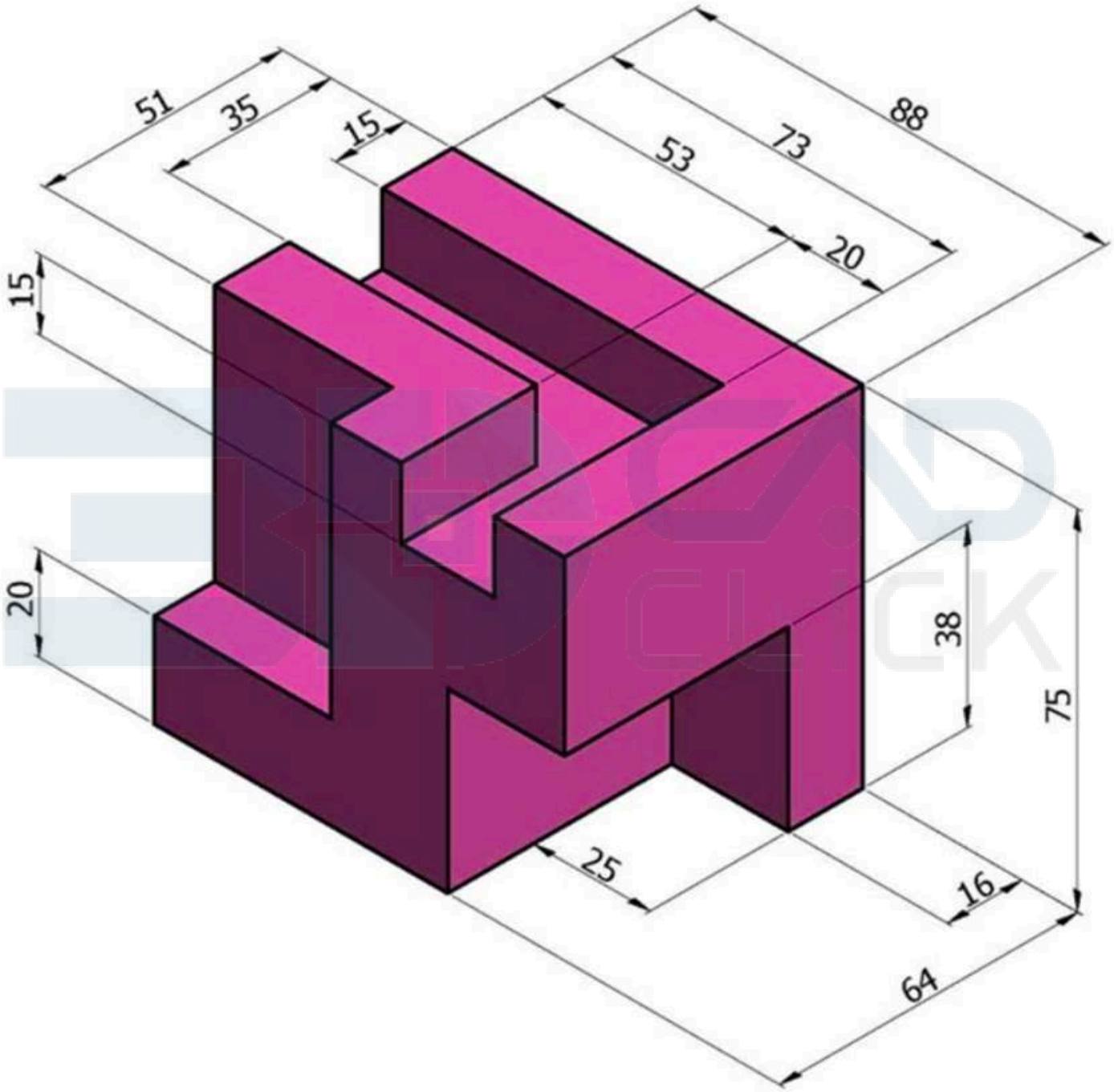
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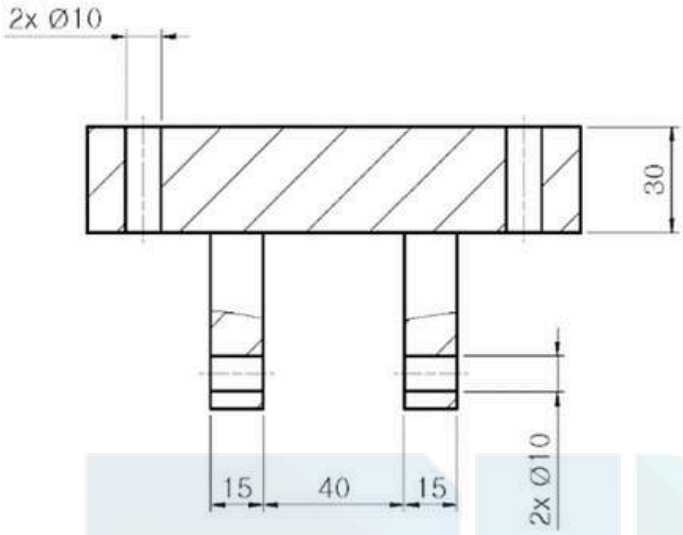
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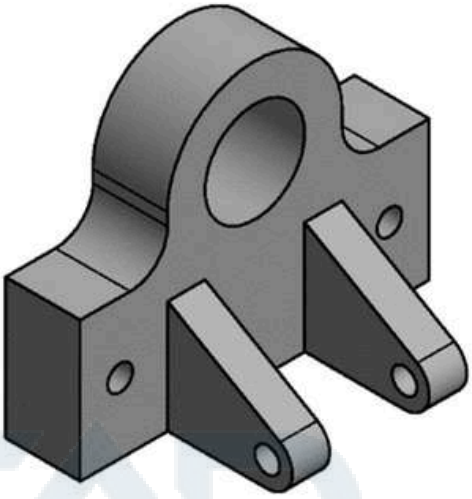

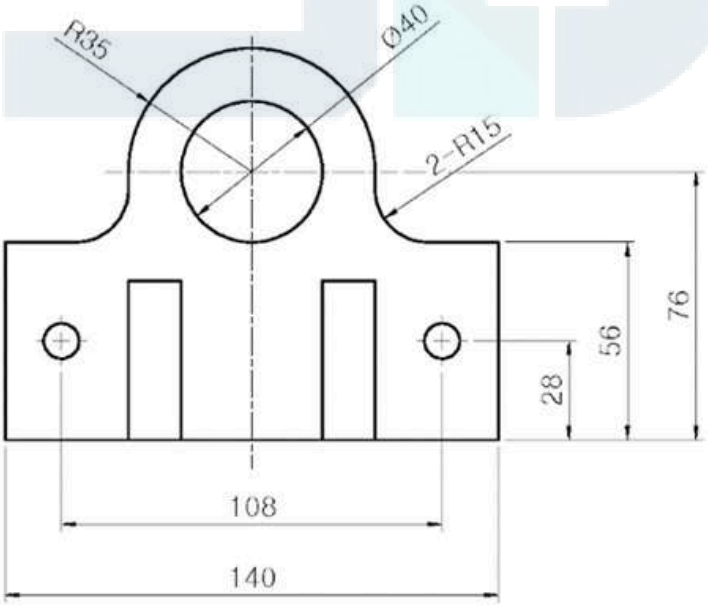
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2-R15
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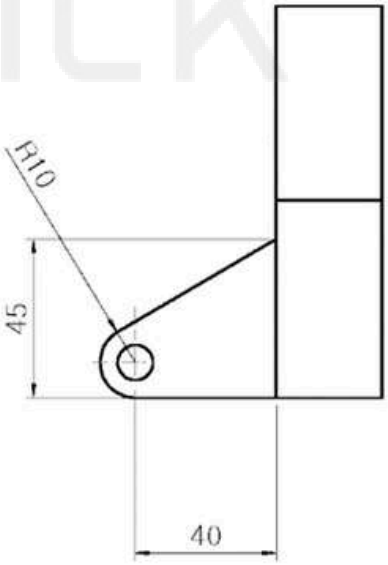
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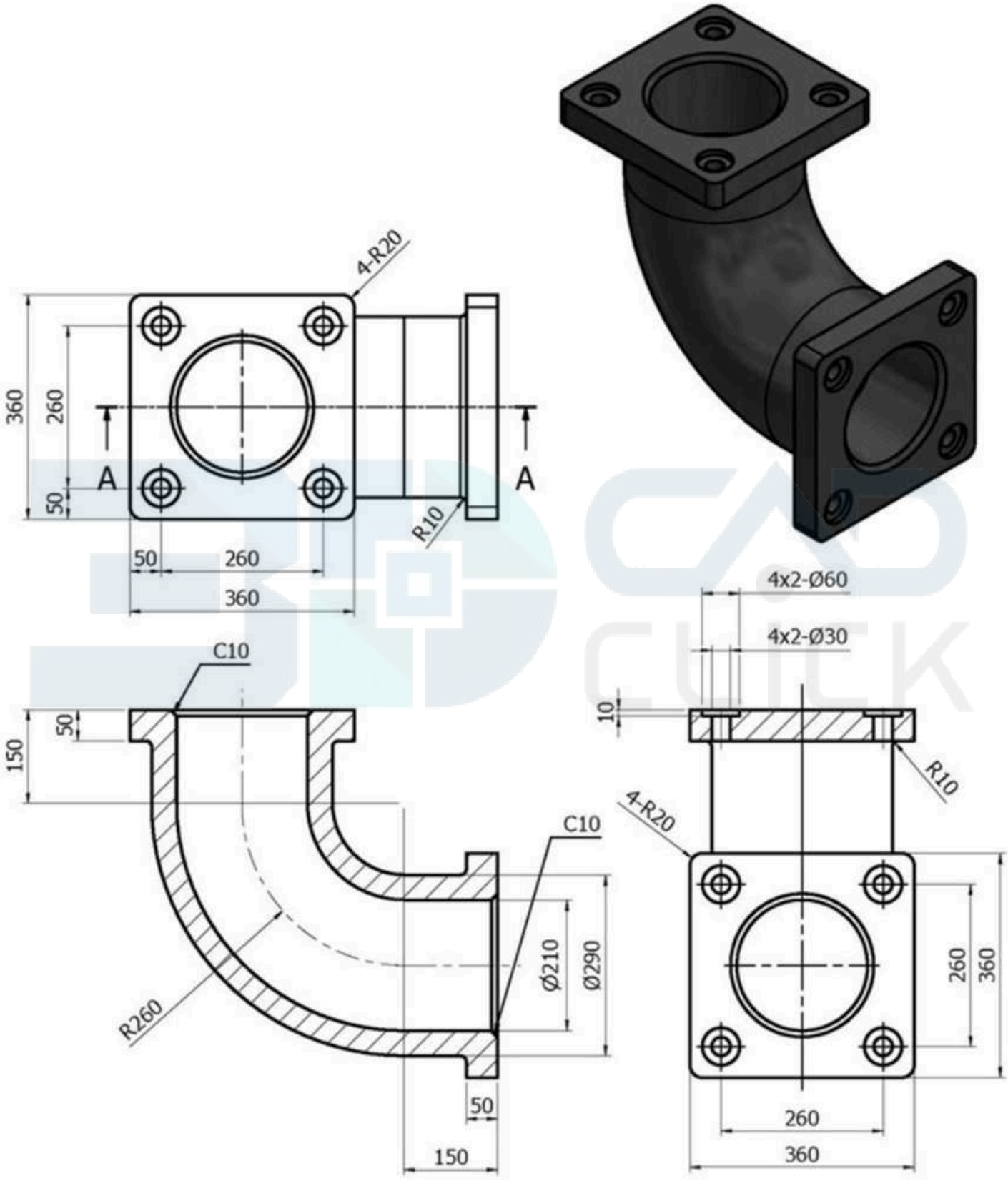
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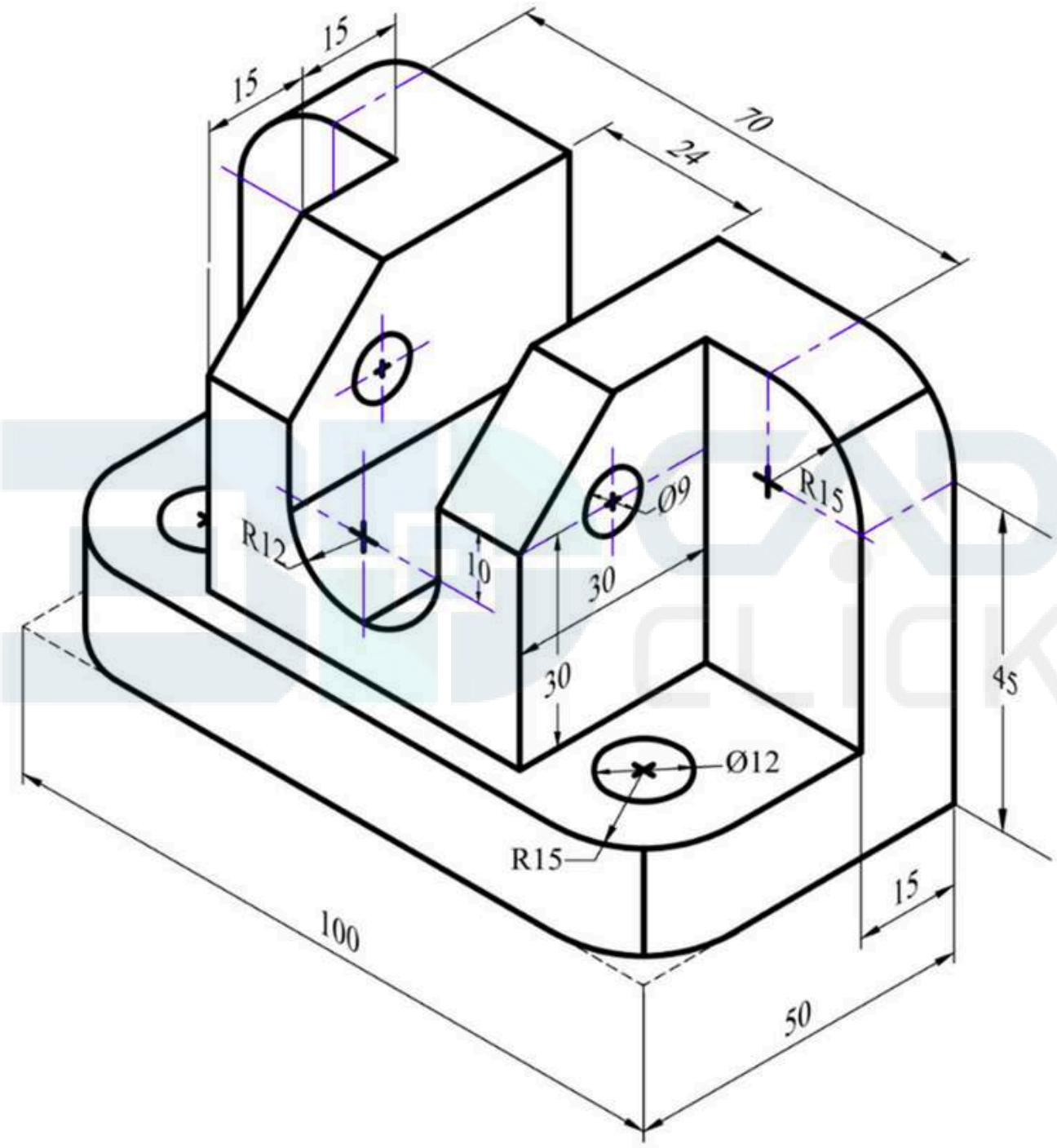
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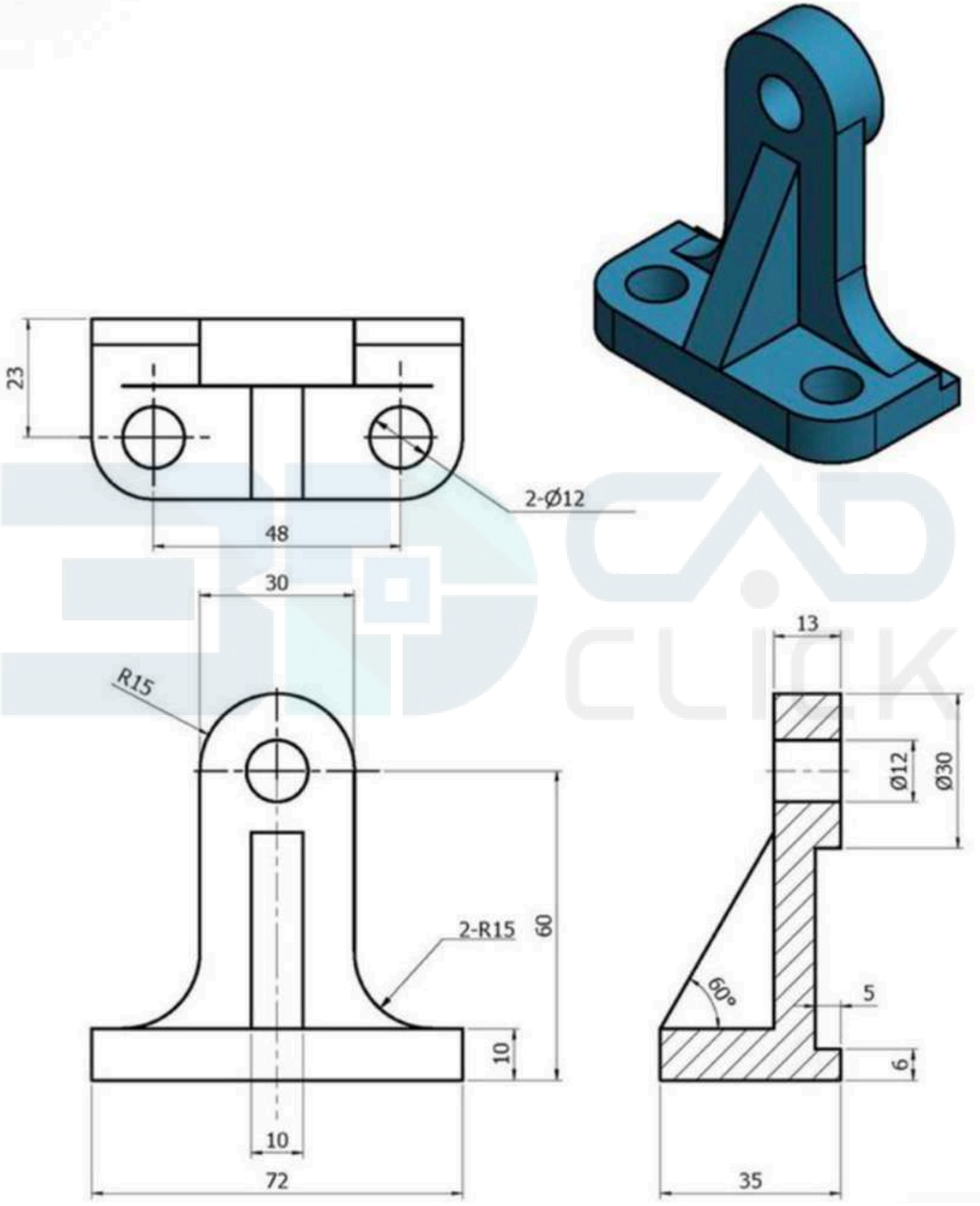
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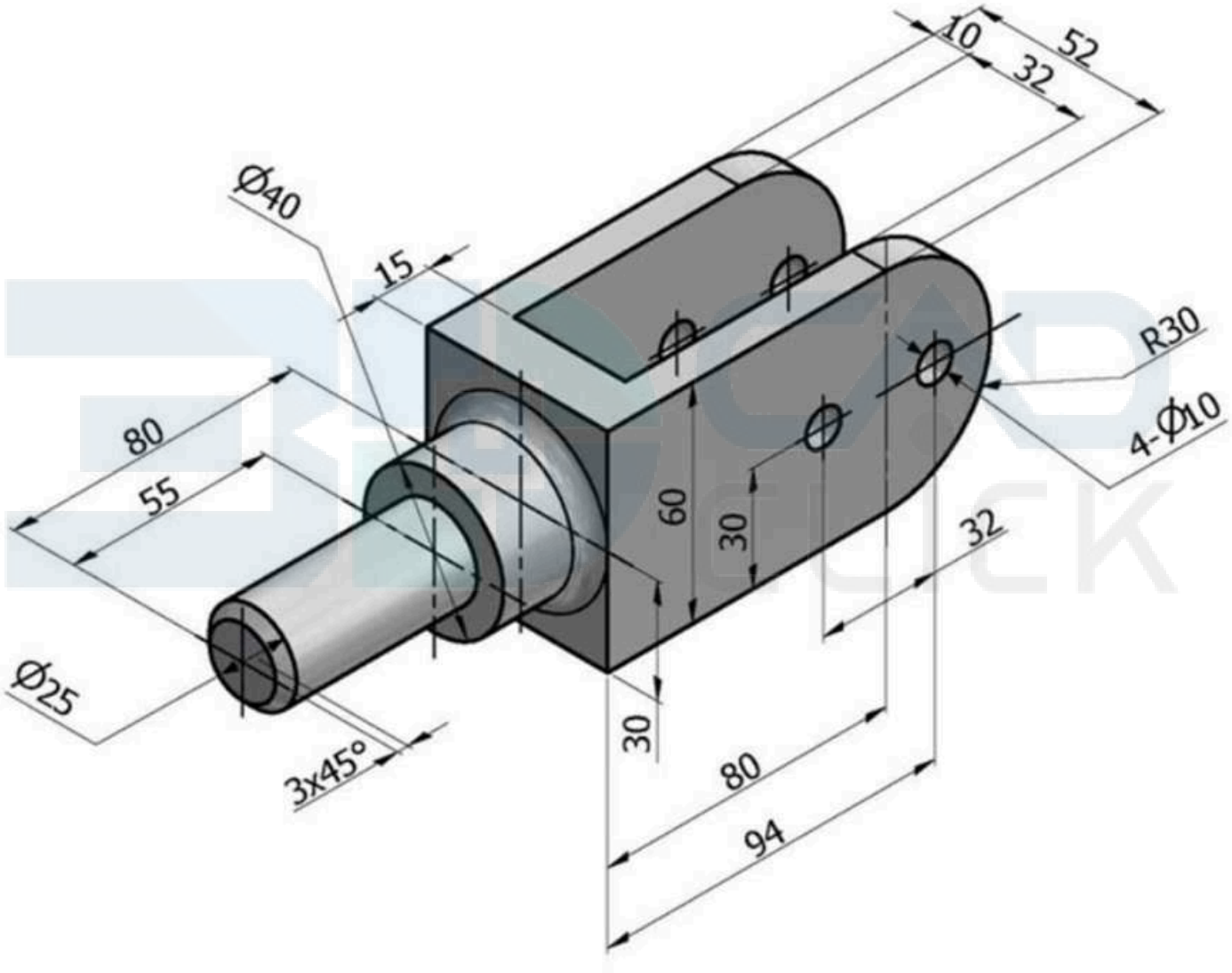
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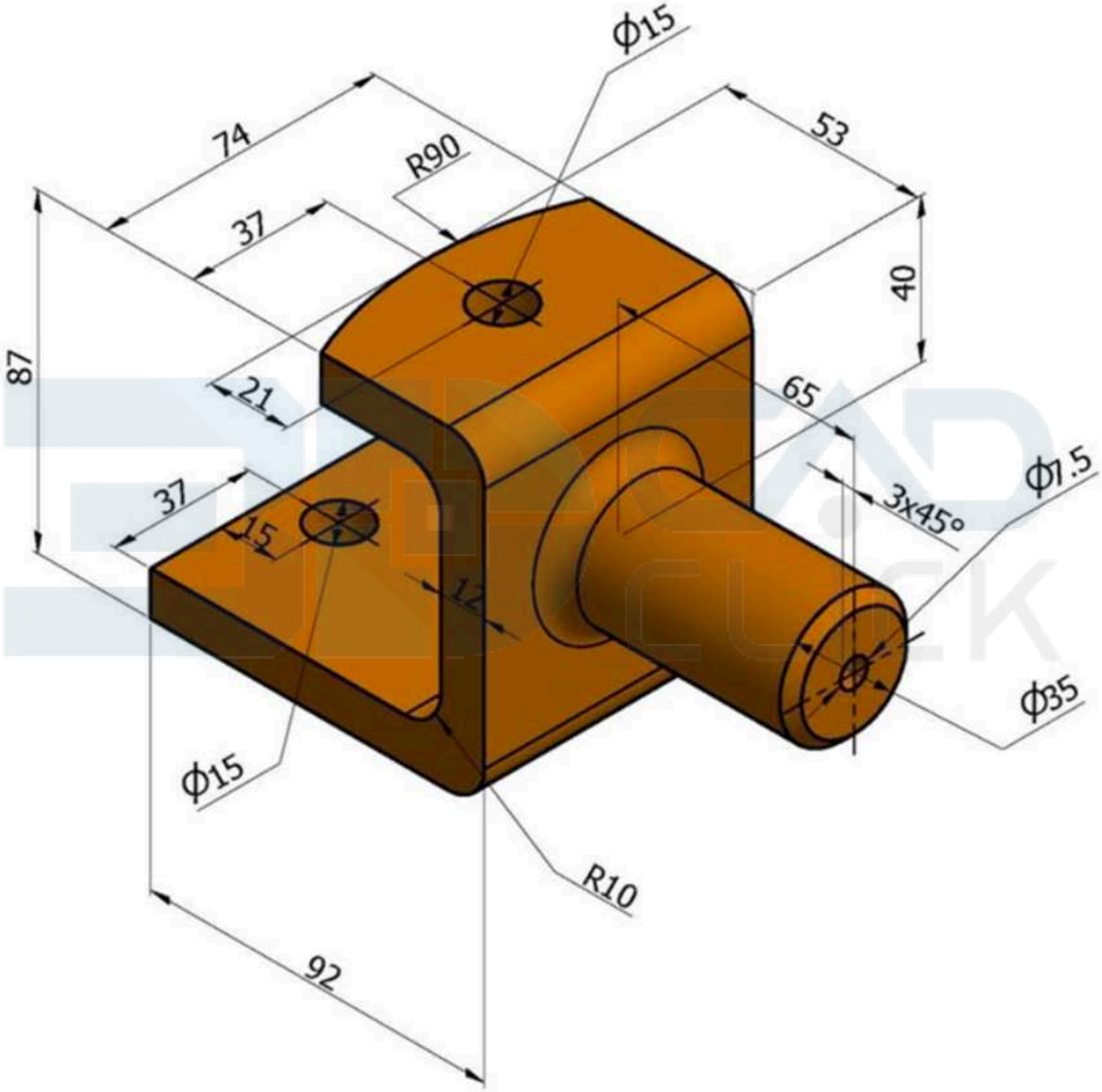
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R90
53
37
40
87
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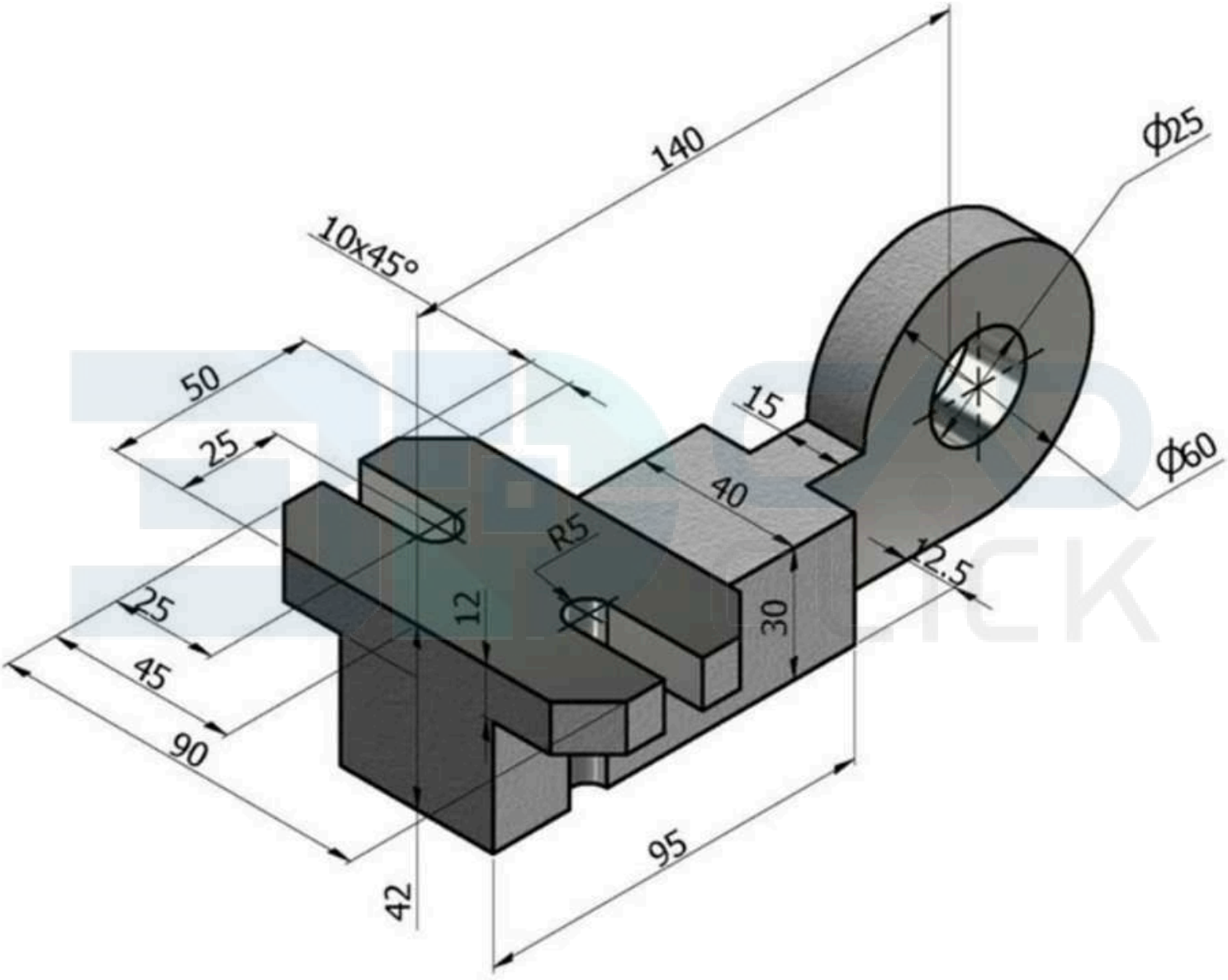
65
37
3x45°
ϕ1.5
15
14
ϕ35
ϕ15
R10
92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ϕ25
ϕ60
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R5
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2.5
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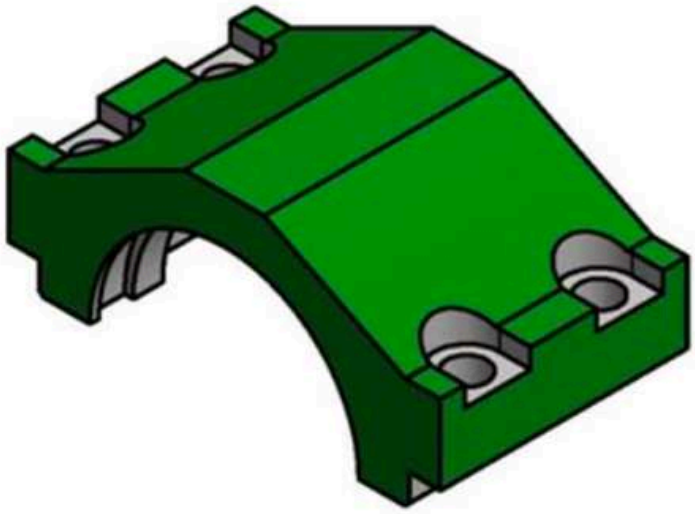

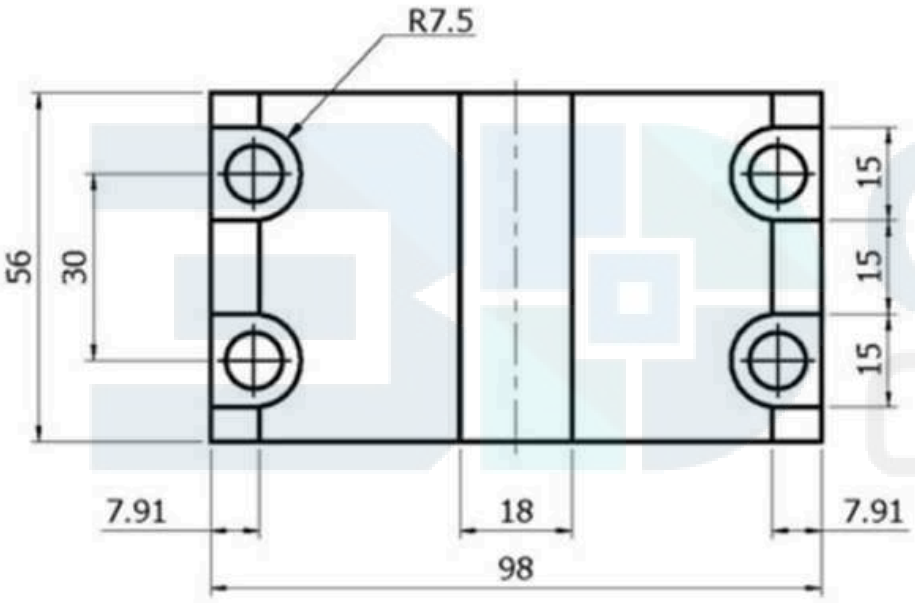
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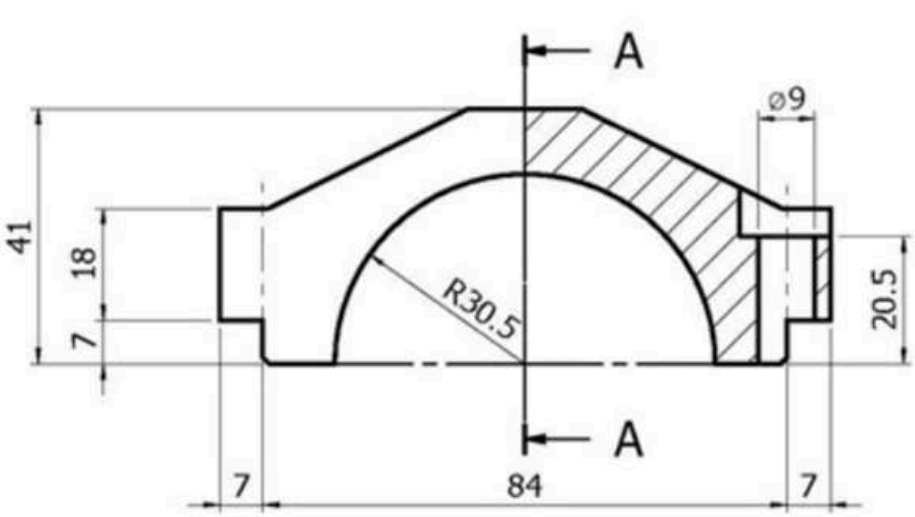
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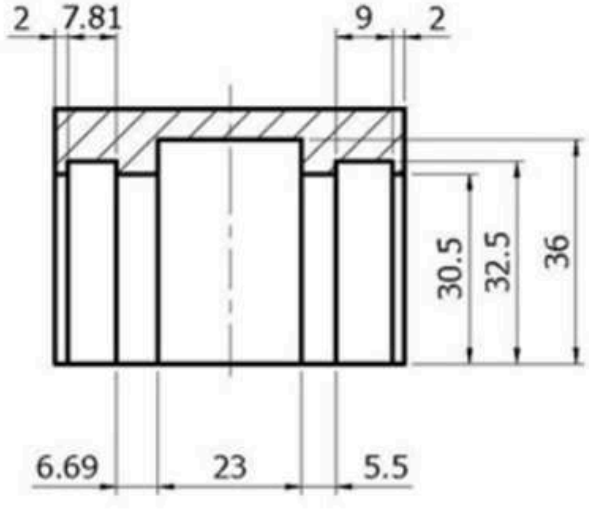
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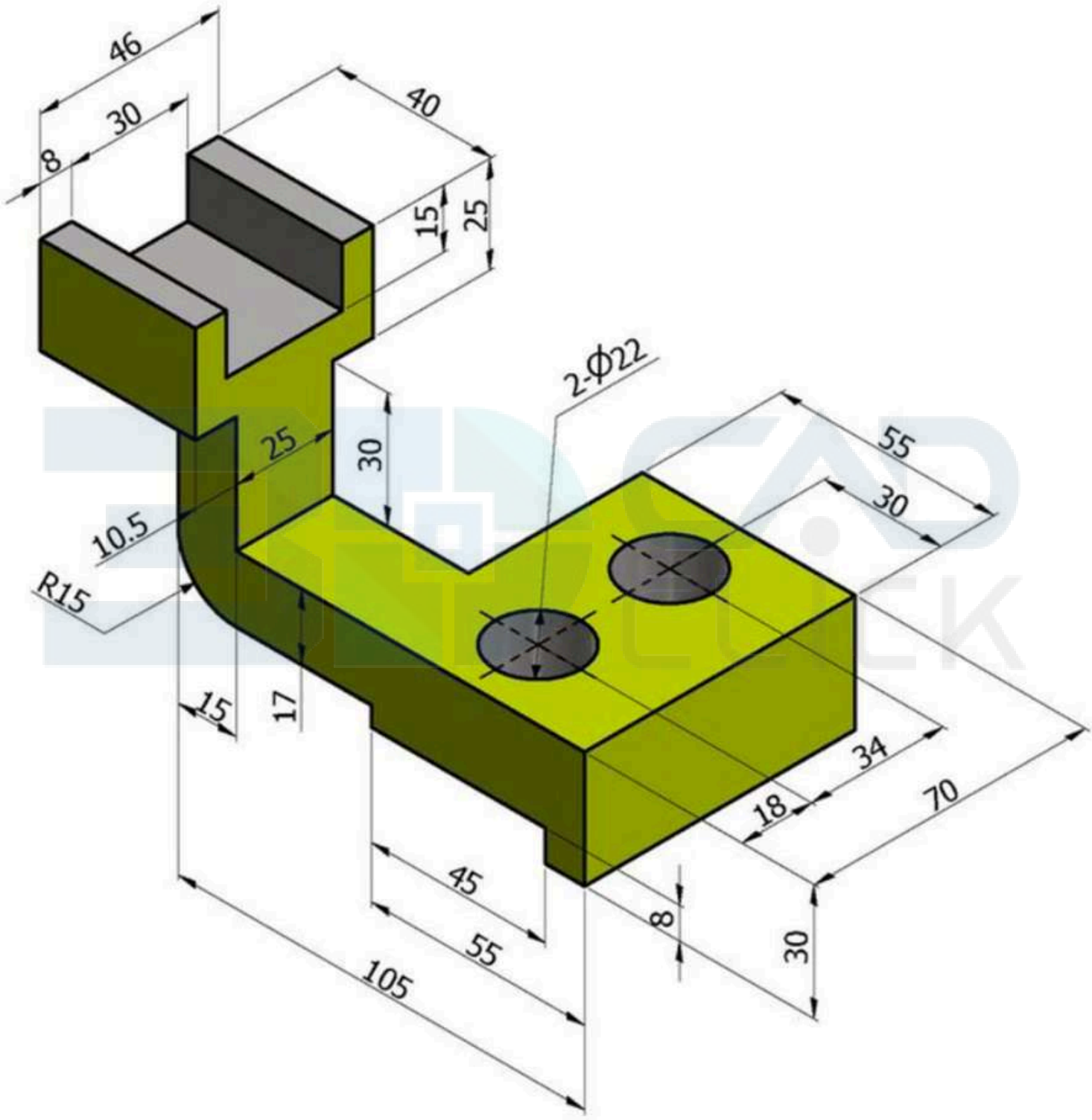
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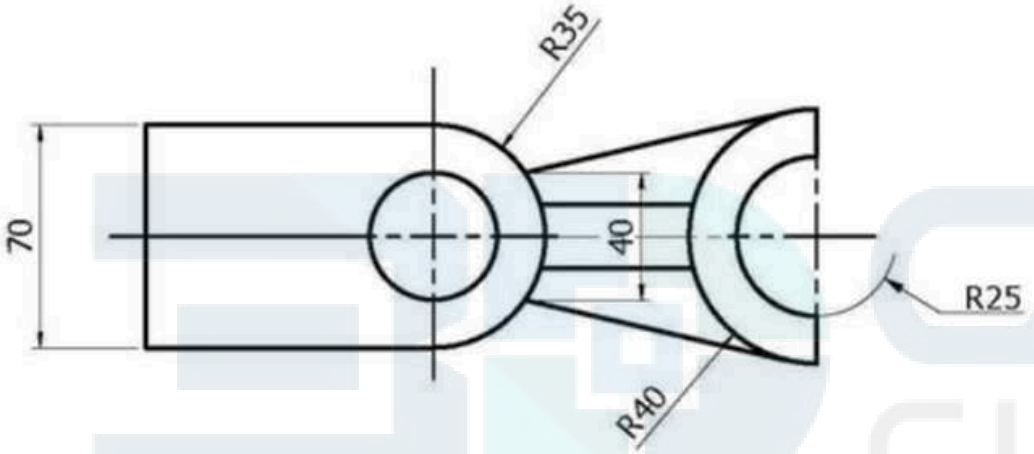
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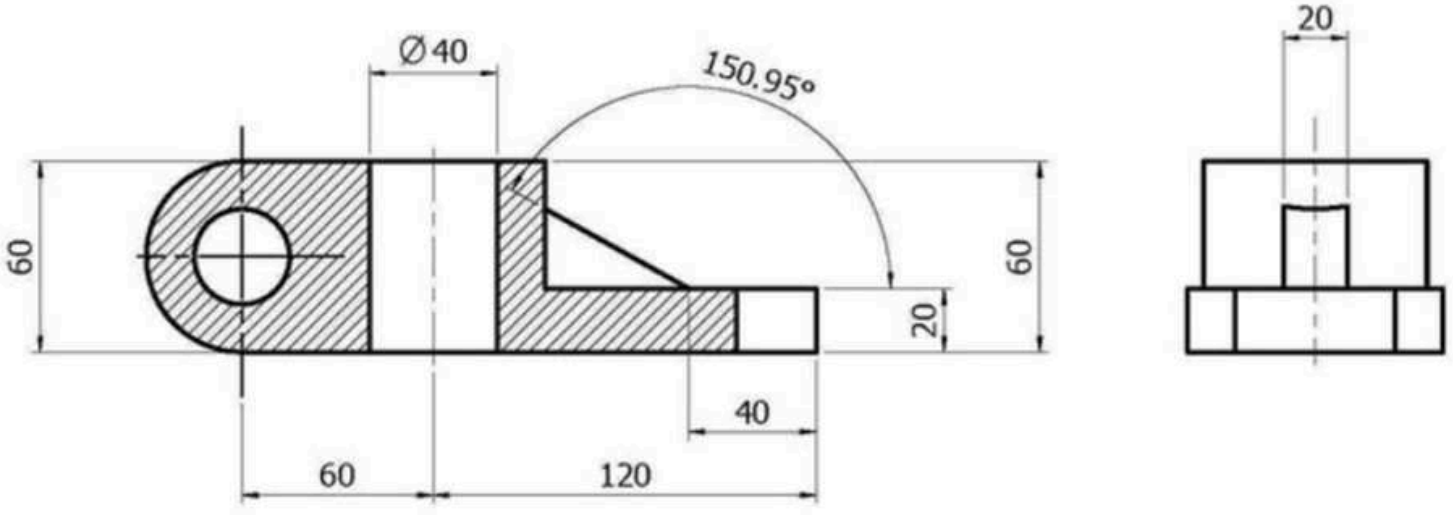
R25
R40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150.95°
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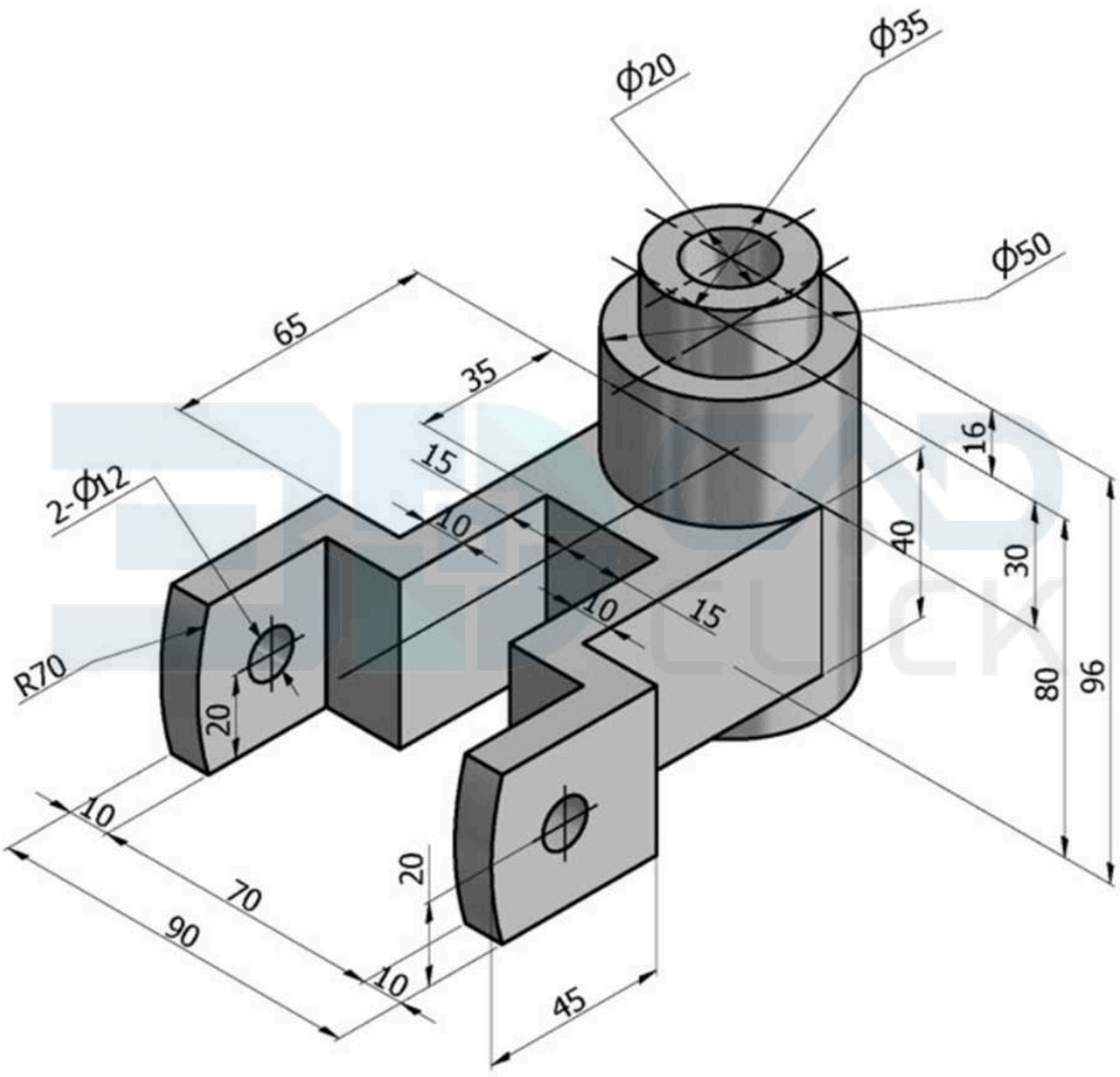
20
40
60
120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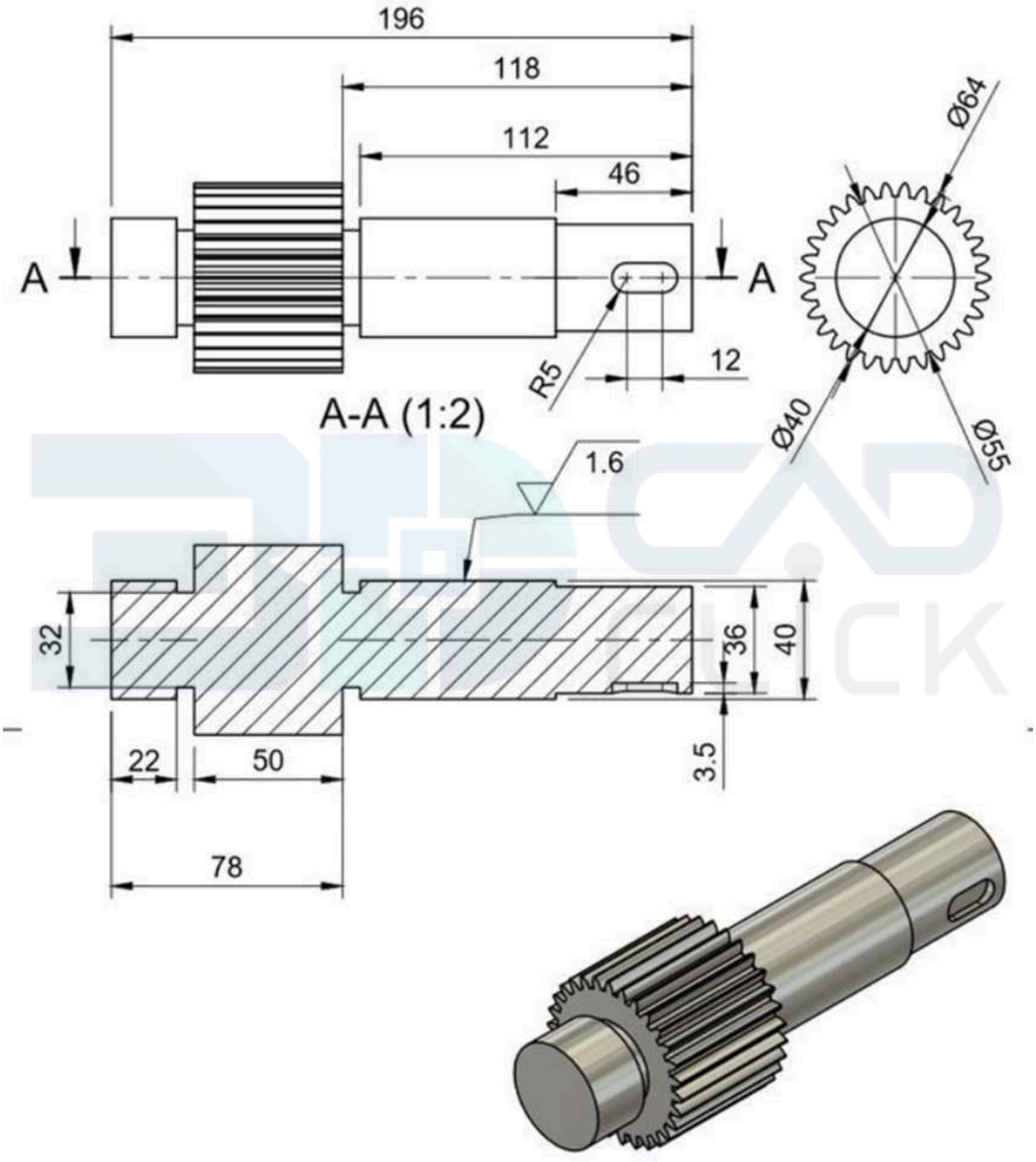
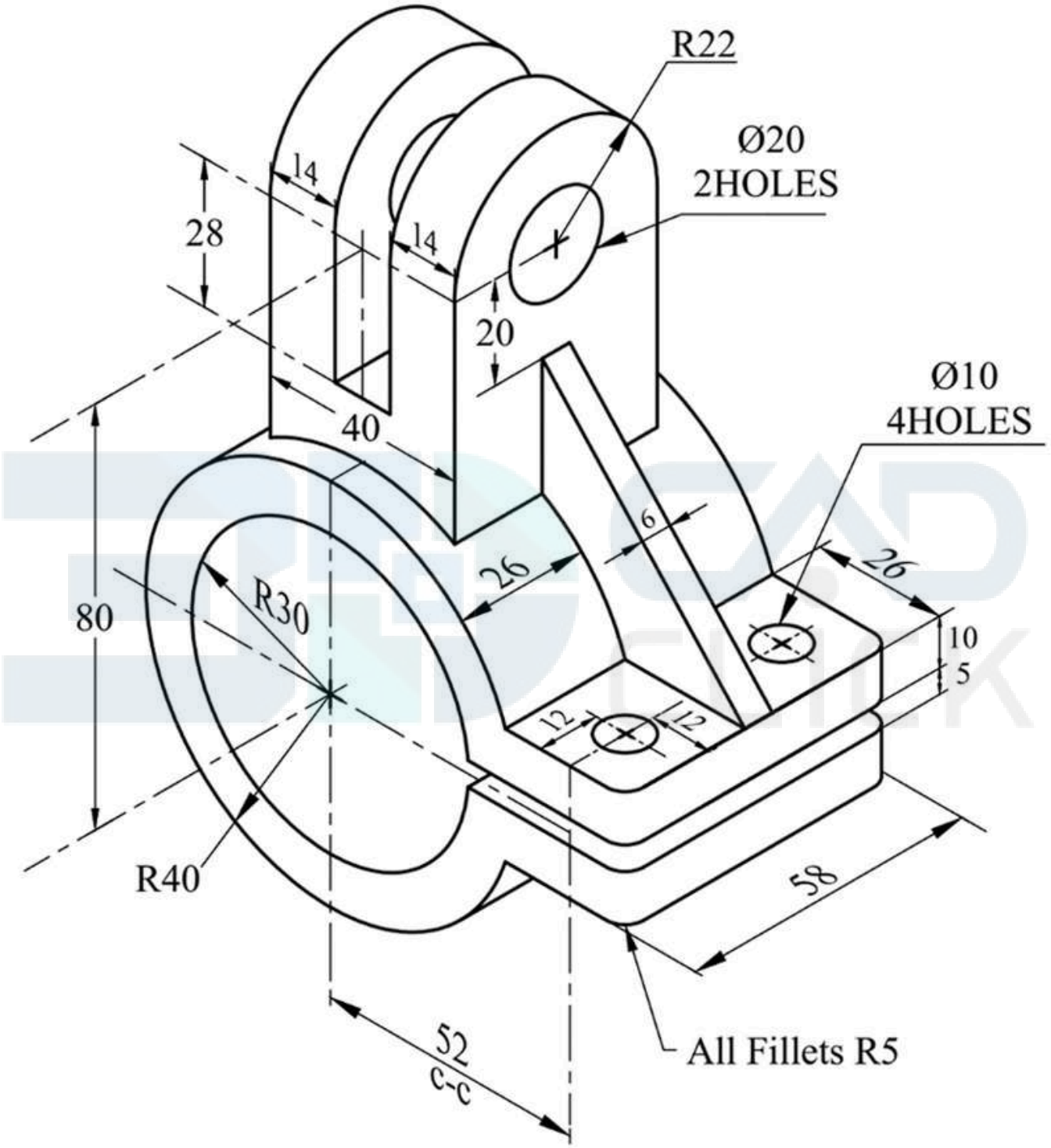
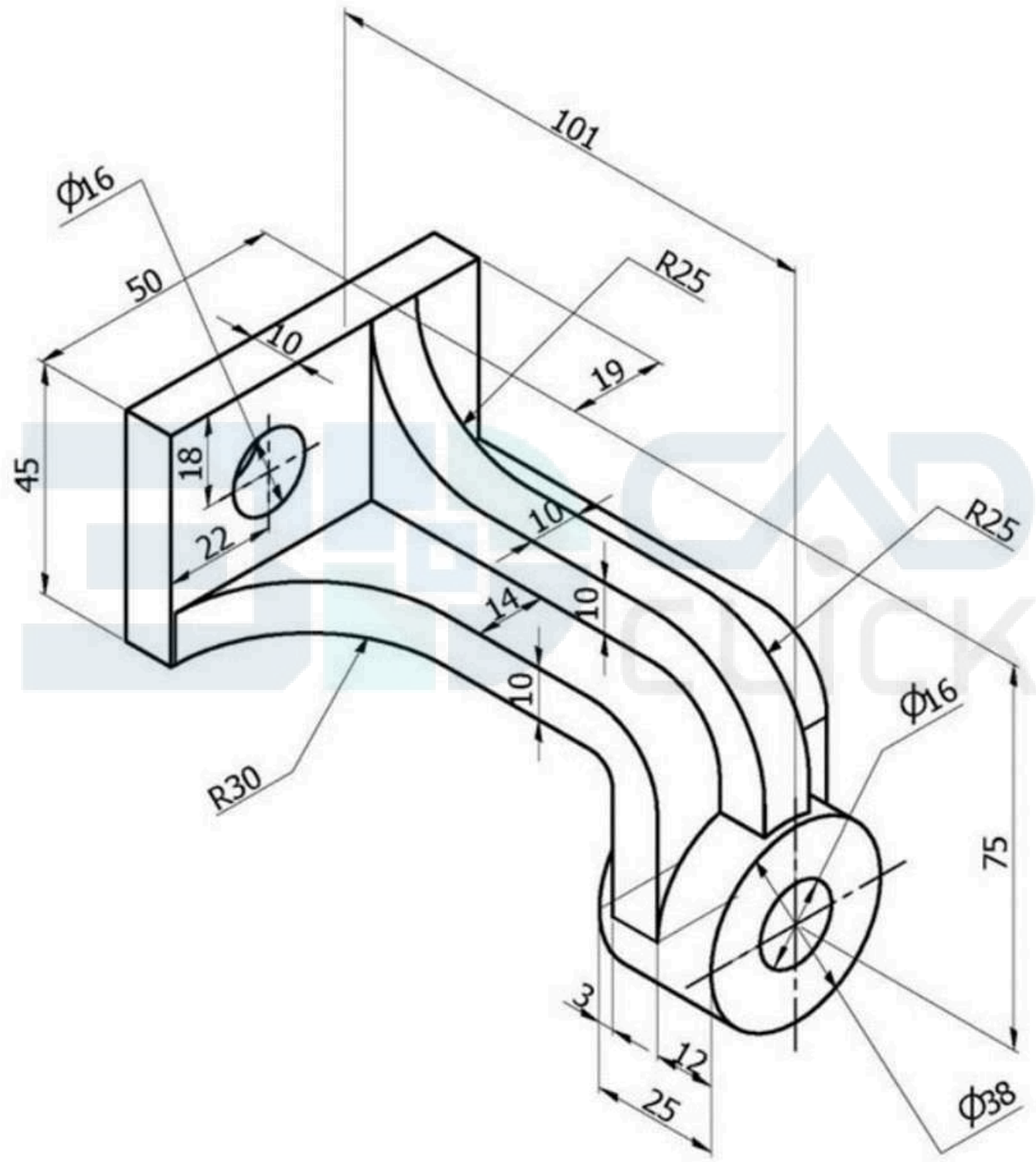
80
96


196
118
112
46
A
A
R5
12
A-A (1:2)
Ø64
Ø40
Ø55
1.6
32
36
40
3.5
22
50
78


R22
Ø20
2HOLES
Ø10
4HOLES
14
14
28
20
40
80
R30
R40
26
6
26
10
5
12
12
58
52
c-c
All Fillets R5


101
Φ16
50
10
R25
19
45
18
22
10
R25
14
10
10
R30
Φ16
75
3
12
25
Φ38

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