100 CAD Exercises

Beginners guide

By 12CAD.com

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Preface

The objective here is to give the reader a tool that will help them learn Computer Aided Design (CAD). This tool is a set of exercises that will develop important skills related to CAD and at the same time allow the readers to assess themselves.

Herein you will find 100 CAD exercises: 50 2D exercises and 50 3D exercises. We are excited to be able to provide the reader with these exercises. We enjoyed every bit of making these exercises available in this book. As long time CAD users, we believe in learning by practicing. These exercises will help the reader feel challenged.

Disclaimer

Within this eBook, the reader will find 100 CAD exercises to practice their skills and measure their improvement.

This eBook has not been written with the aim to explain how to use CAD software, nor has it been written to teach the reader how to use software to solve the exercises.

Readers of this eBook are advised to do their own due diligence to find information on how to solve each exercise. Certain techniques are shared on CADexercises.com for the user to learn.

BONUS: Download Files

All exercises come with the original DWG files. Use the files to learn, practice, or even improve them to build better designs.

[Click here to download DWG files](#)

2D Exercises

R3

R10

R5

R2

R7.7

R5.0

R2

R8.9

10.8

20.4

29

18

4.2

11.4

9.9

R8

45 45

R8

R14

30

22

72

72

25.0 15

R20

10

R10

R70

Ø52.0
Ø26
Ø21.9
Ø30
R52.2
85.0
R18
R8
33.5
80

R31.6

Ø36.7

145.5

R14 R60

28

14   14

57.5

Ø57.2

21.4

60

R10

24

168

R40

R20

120°

120°

R250

139

117

70

R5
R12
R12
R16
120°
R124.8
R9
R5
34.1
55.3

13.7
160
59.7
21.7

Ø28.0
R30.0
Ø153.5
Ø20.0
Ø10.0
R10.0
Ø72.7
Ø28.0
Ø30.0
102.0

10.8

20.5

5.6

R5.0

37.8

60

40.0

59.7

R8.0

24.3

25.2

67.8

23.5

10.9

12.6

R10
R25
R175
R25
80
150
60
R20
R40
24
36
94
150

30°
93.7
R26.0
R12.5
R145.0
R20.0
R8.0
R120.0
R36.0
R16.0
R100.0
100.6
135.0
45.0

R13.5

Ø2.0

R11.0

R2.4

Ø2.0

Ø21.0

Ø2.0

80

Ø300

Ø24

Ø40

R10

Ø13

8

Ø300

16

R40.1
R125.0
R109.2
R20.0
R34.7

56

44

Ø15

CH 3X3

24

Ø10

27°

30

33

23

Ø10

27°

85

30   35   8X26

10   R5   150°   45

40

7.5   10.0   10.0

10

10