

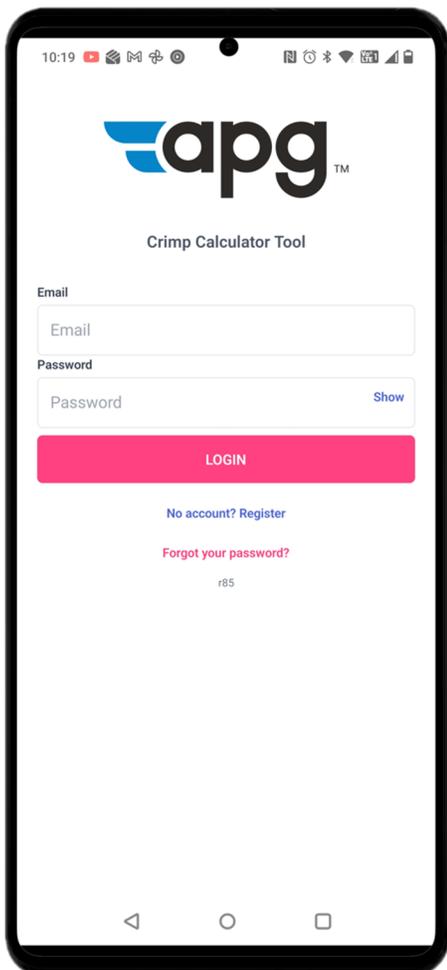


# Hose Fitting Crimp Calculator Tool

## User Guide

Issue date: January 2026

Welcome to the APG Hose Fitting Crimp Calculator, available for Android devices, iOS devices and web. Our app is designed to be an efficient means of calculating the required compression for a given fitting. It also gives you a means to develop your own extensive hose and hose compression settings.

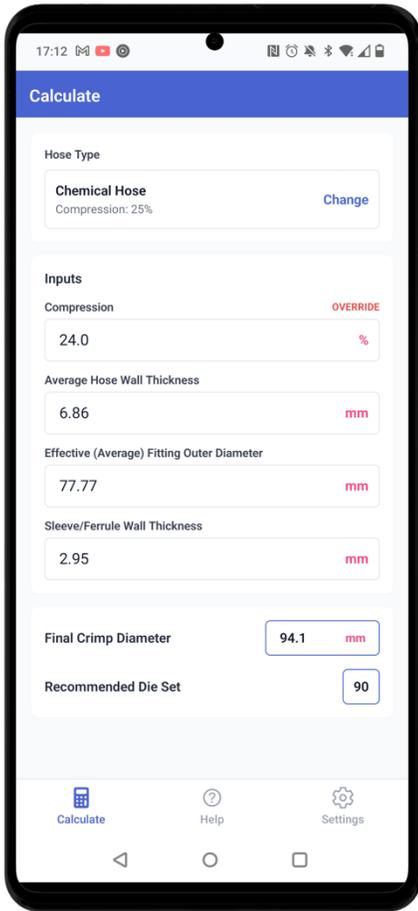


Download the app from your preferred store, search “APG Crimp Tool”.

Install the app and follow the instructions to activate its operation. At the login page you can log in or reset your password – the revision level of the installed software is also noted on this page.

To demonstrate the functionality of the application to the user, this guide takes a tour through all its functions, inputs and outputs. To those familiar and experienced with hose assembly, this will follow the logical steps to successfully assembling a hose.

# 1. APG Hose Fitting Crimp Tool - Calculation Page



Selected Hose Type

Recommended Hose Compression

Input the actual average hose wall thickness (minimum 4 equi-spaced measurements recommended)

Input effective or average fitting stem/insert diameter allowing for serrations

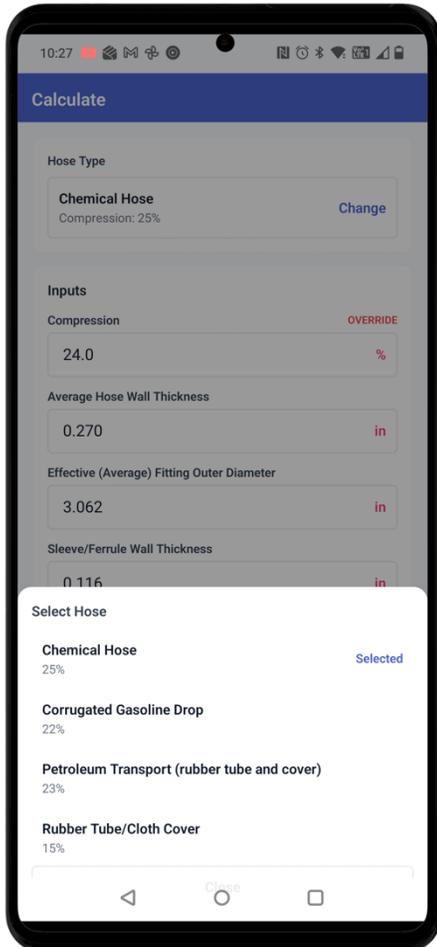
Output: The calculated target crimp size

Output: The recommended die set

The calculation will actively update as data is entered, and will retain your last hose type and calculation

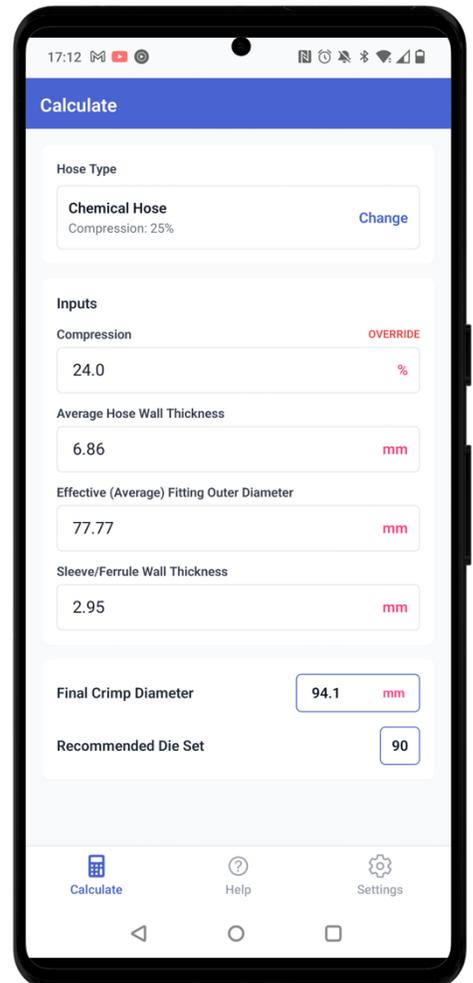
At the bottom of each page you can switch between the calculate, help and settings pages

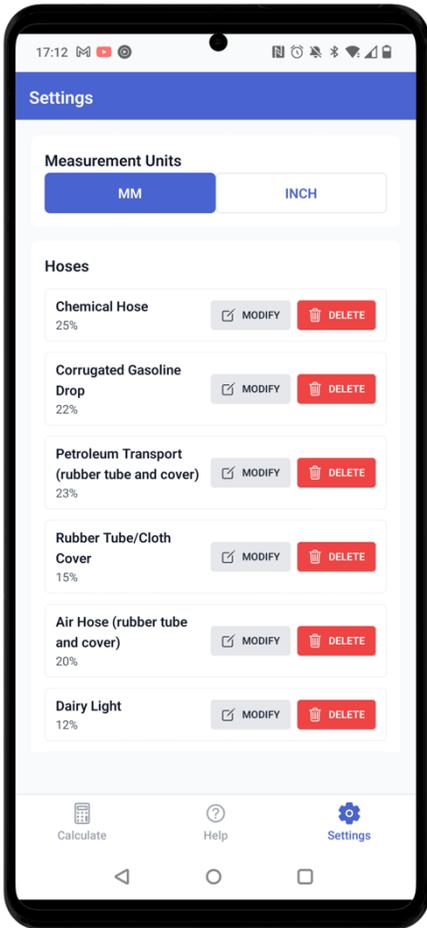
Let us try a new calculation on a different hose type...



Select your required hose type from the pull down.

Enter the hose and fitting details





## 2. APG Hose Fitting Crimp Tool - Settings Page

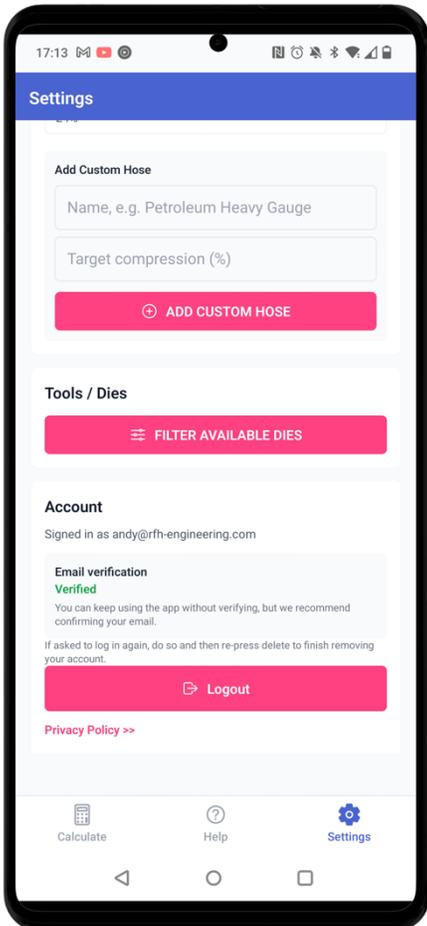
The hose library has an initial starter library pre-set, these can be individually modified, added to or deleted. Your settings will be saved to your personal user name for updates or new devices.

<- Select units (metric/inch)

<- Current hose library display

<- Option to modify compression of existing library hoses

<- Option to delete a hose



Scroll up and down the page. You will see

<- Option to add a new hose

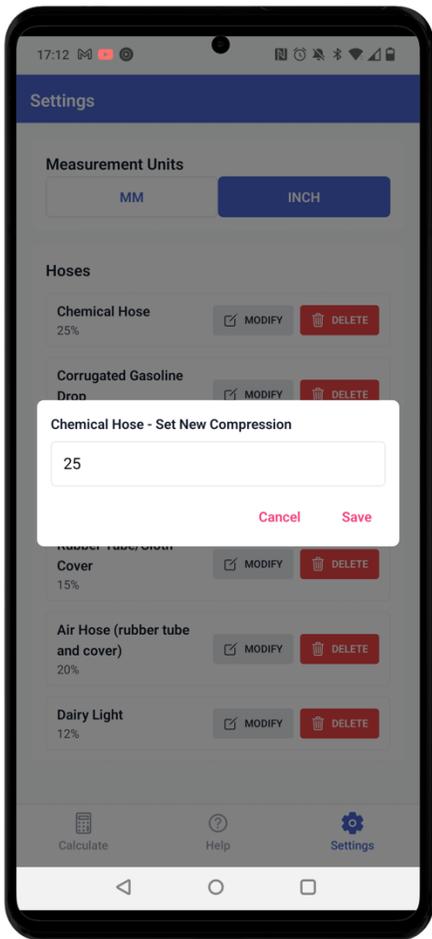
<- Option to update your own tool library

<- You can log out of the APG app, although this is not necessary unless you share a device

<- You can access and read policies and terms of service.

<- factory reset will take the device and your stored library changes back to default downloaded settings

<- You can delete your account details and all your saved data

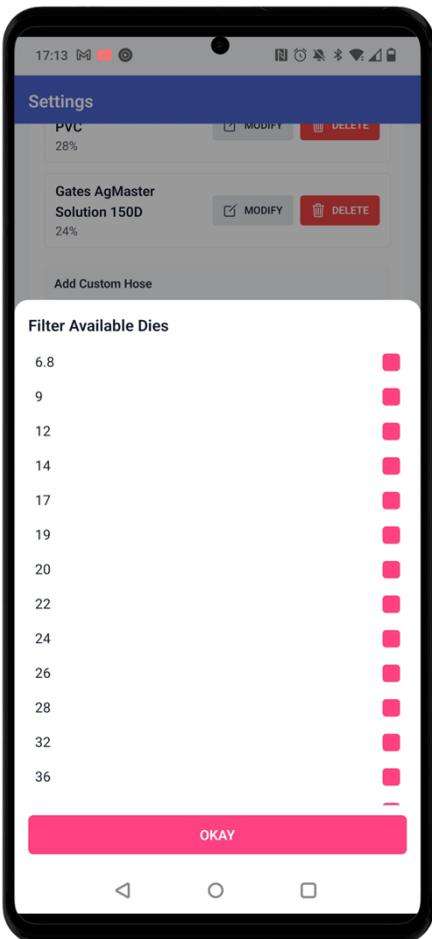
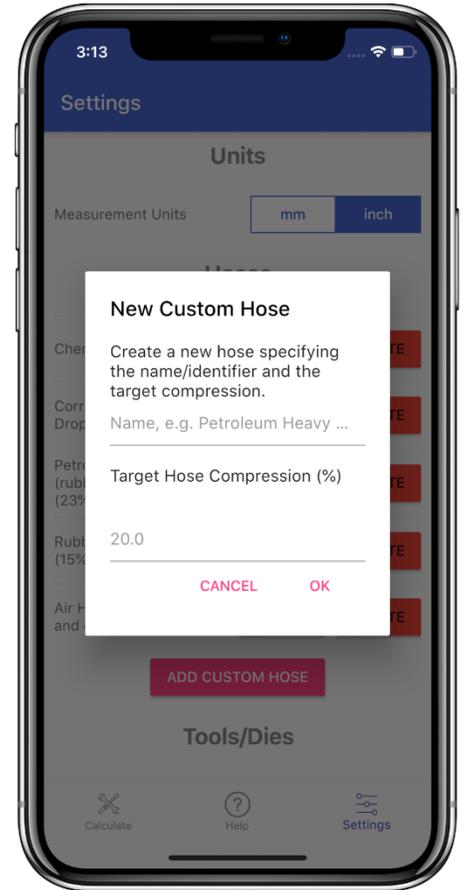


-> To change an existing hose compression setting, select modify and enter the required compression percentage. You should always use the manufacturers recommendation or data from your own test data.

OK to enter and update

➔ To add a new hose, select “Add Custom Hose” and enter the hose name and compression setting

OK to enter and update



### 3. APG Hose Fitting Crimp Tool – Die Library Page

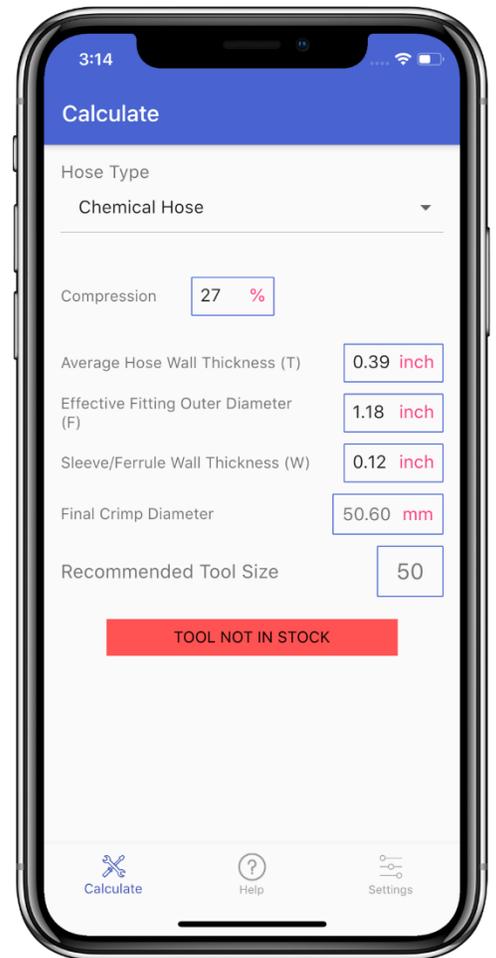
To update your own die set library, select “Filter Available Dies”

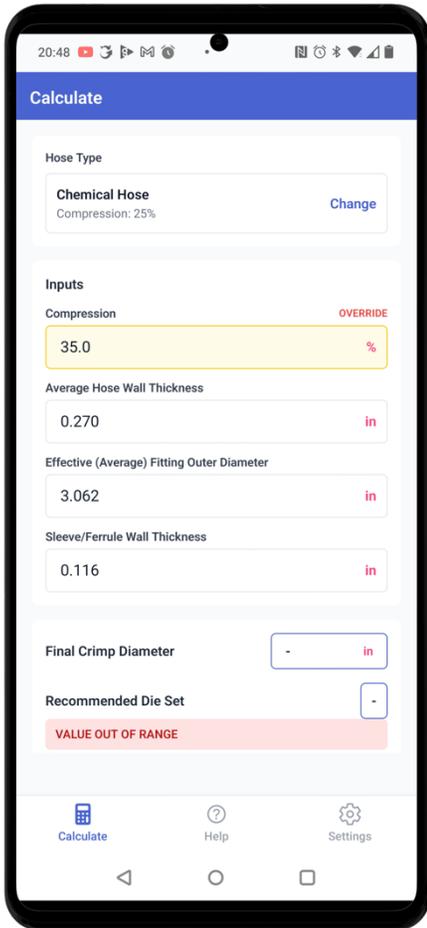
-> Toggle the check box to tick if the tool is in stock.

Scroll to view all

OK to enter and update the tool library

-> If the appropriate tool set is not in your current library for any calculation, the output will show this to be the case.





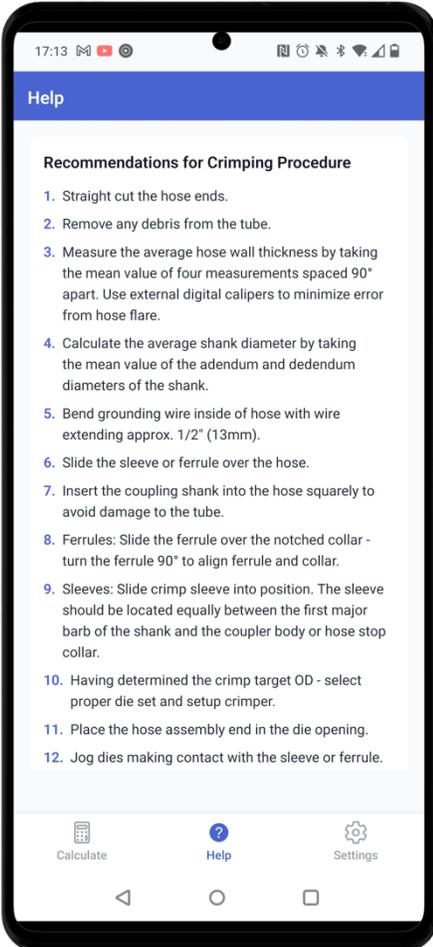
#### 4. APG Hose Fitting Crimp Calculator – Input Ranges

The app has ranges (limits) to the input fields, these are set to disable the calculation, should an inappropriate figure be entered into a field.

<- For example, if you tried to set the compression to 35%:-

<- No calculation offered

<- Warning



#### 5. APG Hose Fitting Crimp Tool - Help Page

<- You can scroll through recommended hose assembly instructions help guide

#### 6. Contact help and support

Should you need further help, support or offer any suggestions for improvement, please contact our team at

[support@callapg.com](mailto:support@callapg.com)