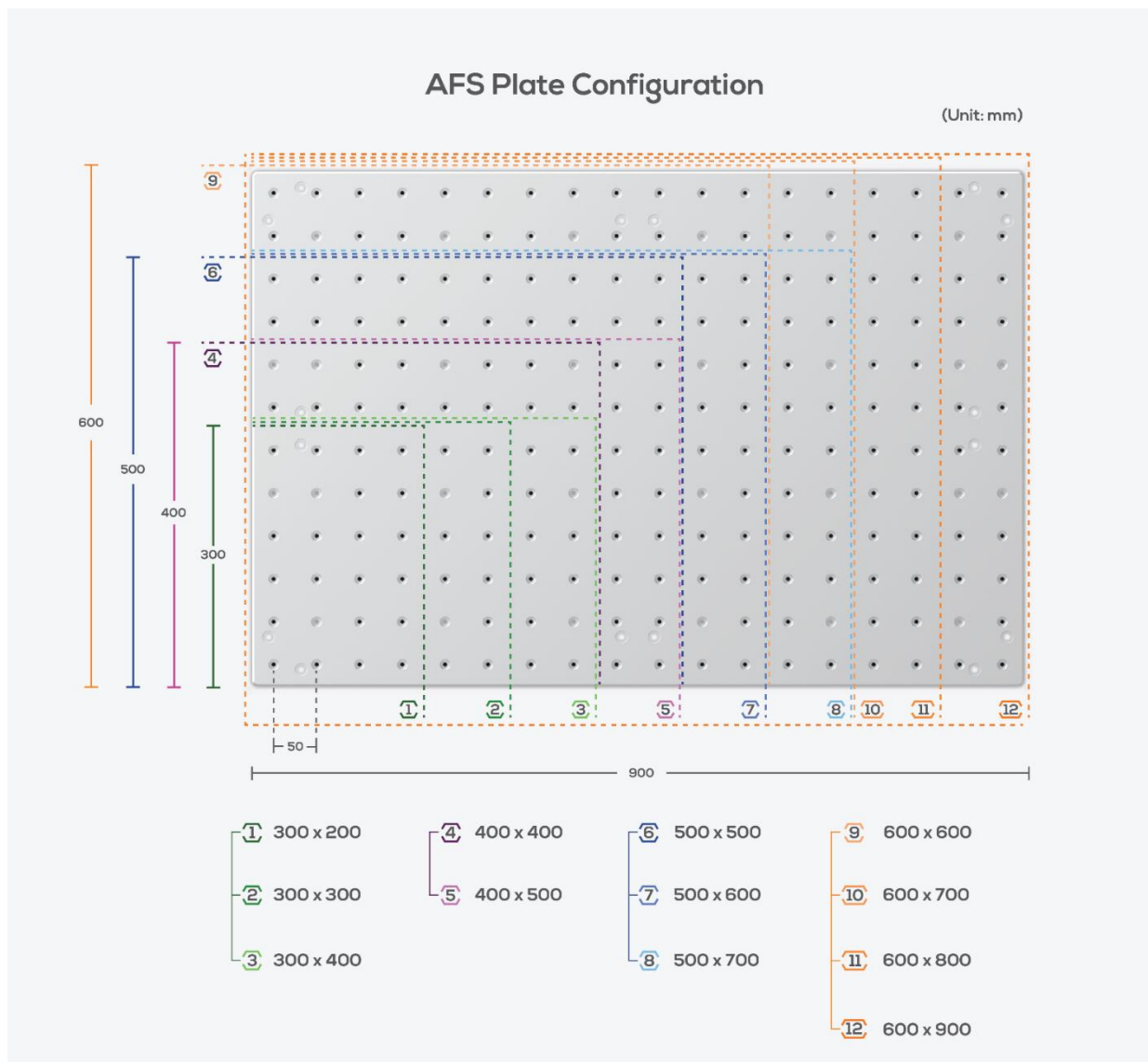


DEVELOP[®] LLC

AUTOMATION FIXTURE SYSTEM

For Workholding, Fixturing, and Automation Cells

User Manual



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Table of Contents

Table of Contents	Page
AFS Overview	3
Included Hardware	3
Use and Care	4
1.1 Assembly and Use	4
1.2 General Care	4

AFS Overview

DEVELOP LLC presents a new series of fully modular, repeatable, multi robot compatible accessory plates capable of saving you time, labor, and floor space. Swiftly swap out pick and place or machine tending cells without needing to start from scratch or permanently dedicate your mounting requirements for each individual task. The familiarity of a welding table setup but with easy reassignment and customization

Included Hardware

Our AFS comes with twelve standard size options with custom sizes available on request:

- 100mm increments from 400x400 – 600x900mm
- Conical locators on 50mm centers.
- ½ inch customizable blank plates with four conicals pressed into the bottom with M6 screw counterbores suitable for custom screwing, tapping, or tooling patterns.
- M6, M8, M10, 1/4-20, 5/16, 3/8 Unit and Threading options

Note: Compatible with industry standard bolt pattern mounting requirements for UR, Fanuc, Doosan, Dobot 5 series and 10 series robots.

1. Use and Care

1.1 Assembly and Use

Recommendations for assembling and utilizing AFS components.

AFS Base Plates: When fastening Base Plates to ensure that the conical locating bores are clean, free of burs or nicks, and the protective set screw is removed. Fasten the Base Plates down with a maximum of 6 Nm of torque. When fastening components to a Base Plate the maximum recommended torque is 6Nm.

1.2 General Care

Proper care of your AFS FIXTURING components will ensure long and productive service life.

Anti-Seize: All products are supplied with appropriate fasteners, but these fasteners do not come pre-applied with thread anti-seize. Use of anti-seize is recommended for all components threading into aluminum. This lubricates the threads which increases the mechanical advantage of the fasteners while also reducing the risk of galling the threads.

Hex Keys: We recommend the use of properly fitting hex keys. This reduces the wear imparted on screws and extends their lifespan. Should the hex of any fastener become damaged it should be replaced promptly.

Alignment Bores: The alignment bores featured on AFS products are precision machined surfaces and should be cleaned and inspected regularly. The most convenient opportunity to inspect and clean these features for defects or damage is when assembling components together.

Cleaning: It is recommended to clean your plates to maintain repeatability and ease of use. For this process we like to use a microfiber and some car spray wax. This helps repel dirt and to maintain a quality tool for years to come.