APS
Module height extension for automation

Possible configurations scheme for 5-axis machines 2 / 4 / 6 feedings

1 APS 190

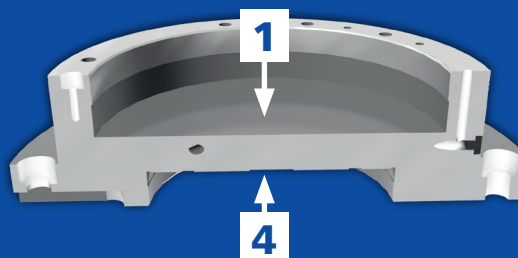| **2 feedings configuration**	**4 feedings configuration**	**6 feedings configuration**
*	*	*
APS 190 E PREMIUM 46165640	**APS 190 2 INN** 46162630	**APS 190 4 INN** 46162640
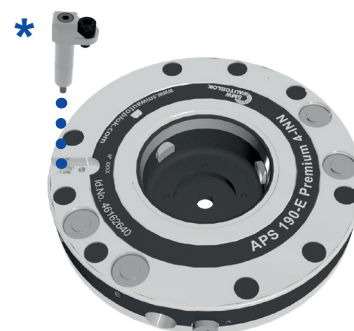
2 Module height extension group

▶ **Prepared for 6 feedings Id. No. 46203000**

3 Key*

4 Distributor (example)

▶ To be designed specifically for each machine until to 6 feedings (must be definied in case of order).

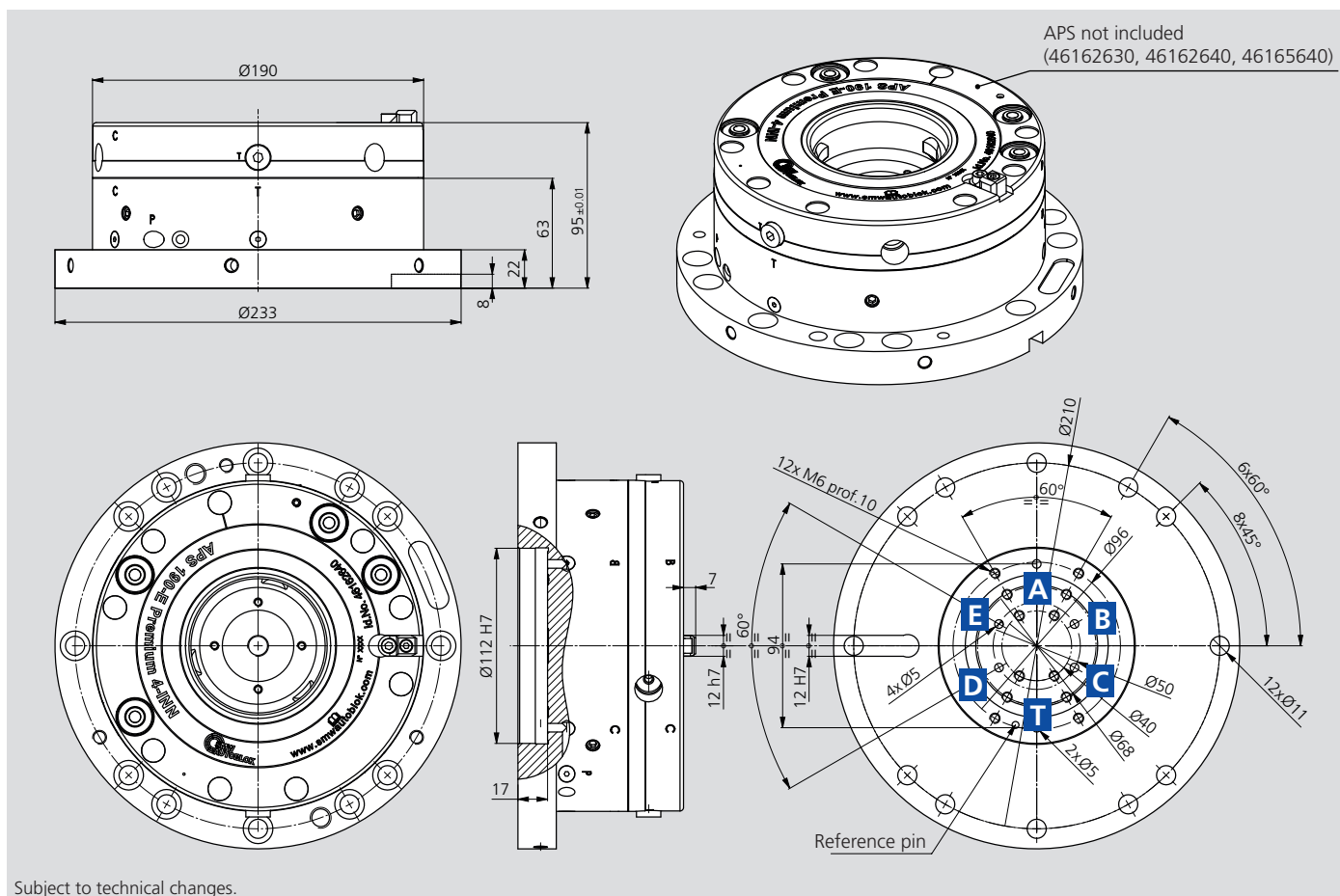| **2 feedings**	**4 feedings**	**6 feedings**

5 T-nuts set

Optional
See page 70

Order guide: APS with 1 key to order positions **1-5**:
1. 190 APS with single key
2. Module height extension group Id. No. 46203000
3. To order key Id. No. 46162333
4. Distributor
5. T-nuts set

Order example: 1 pc. 46203000 + 1 pc. 46165640 + 1 pc. 46162333 + 1 pc. personalized distributor + 1 T-nuts set.

APS not included
(46162630, 46162640, 46165640)

Reference pin

Subject to technical changes.

Module height extension (APS not included)	Id. No.	Height [mm]	Weight [kg]
Module height extension group N.6 feedings H95	46203000	95	10.5

A APS open   **T** Air sensing / Turbo APS

The feedings **B** **C** **D** **E** are used on the pallet between pneumatics and hydraulics couplers put on the body of 190 APS (Id. No. 46162630 and 46162640). When on the pallet is mounted a Twin vise model STV or PT the feedings can be used in these different ways:

B Twin Vise open   **C** Twin Vise closed   **D** Stroke control valve Twin Vise

E Air sensing Twin vise or Driver pin stroke control APS

The feeding **E** can not to be used on the pallet with the pneumatic / hydraulic coupler but can be used in another way to oversee the pneumatic stroke control of the APS 190; in this case the feeding is called **SC.**

180 STV

Pallet holder with 2 - 4 feedings
■ **Prepared for robot loading**

The pallet is prepared for loading with robots.

Hardened and tempered material

Subject to technical changes.

Not included
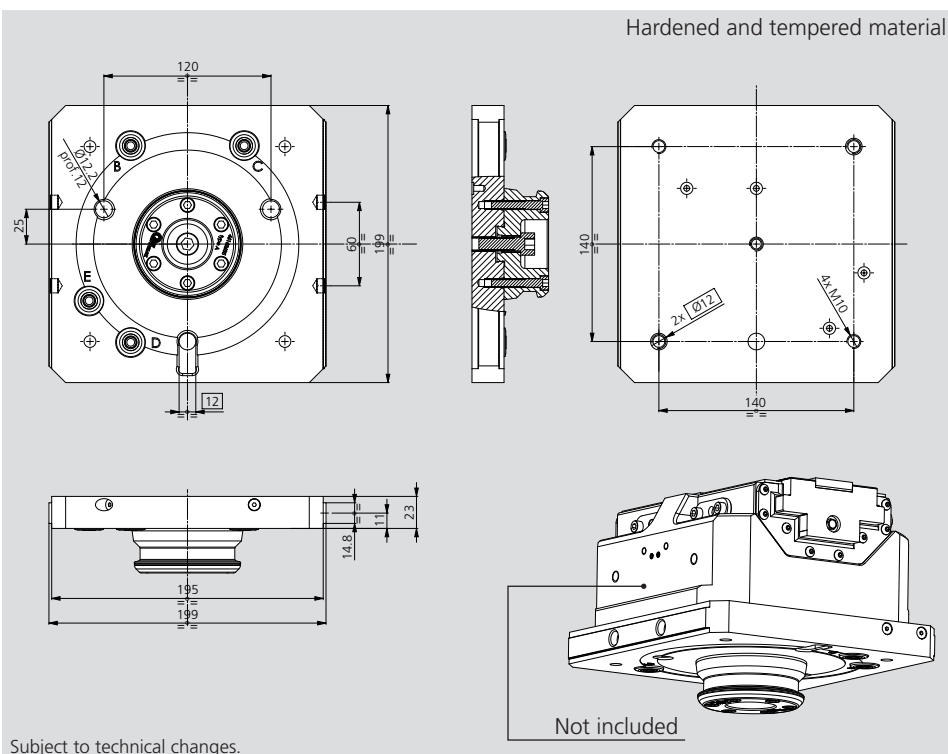
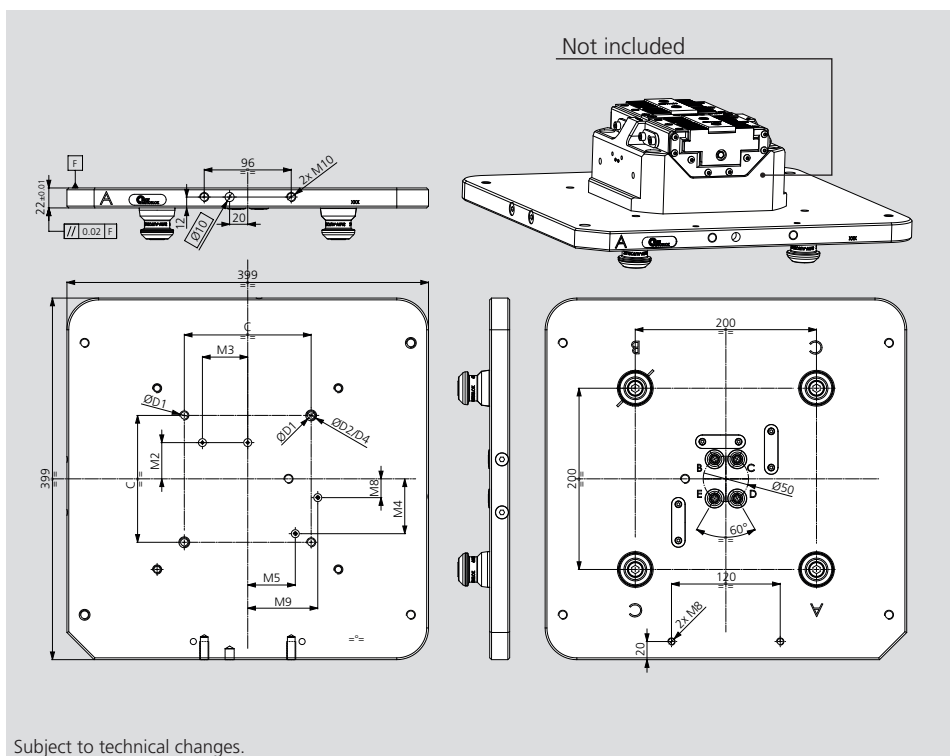| Type pallet (without vise)	Id. No.	Feedings to be used	Weight [kg]
Pallet holder 180STV 2-3 jaws with 4 feedings APS 190 loading robot	46200101	B-C-D-E	7.7
Pallet holder 180STV 2-3 jaws with 2 feedings APS 190 loading robot	46200103	B-C	7.7

225 STV

Pallet holder with 2 - 4 feedings
■ **Prepared for robot loading**

The pallet is prepared for loading with robots.

Hardened and tempered material

Subject to technical changes.

Not included
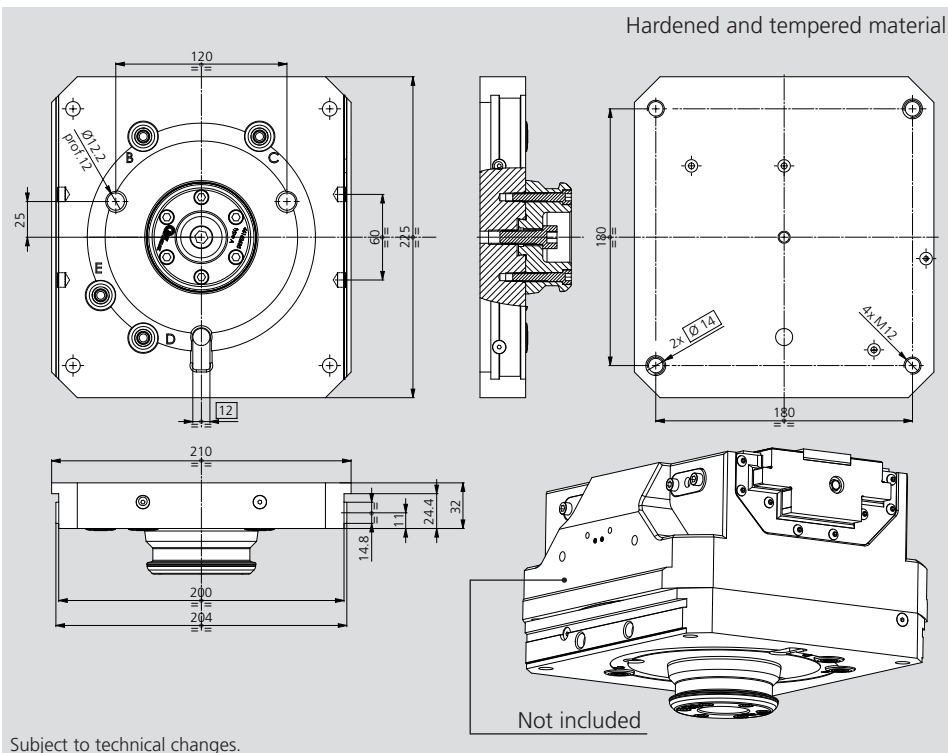
Type pallet (without vise)	Id. No.	Feedings to be used	Weight [kg]
Pallet holder 225STV 2-3 jaws with 4 feedings APS 190 loading robot	46200106	B-C-D-E	12
Pallet holder 225STV 2-3 jaws with 2 feedings APS 190 loading robot	46200108	B-C	12

The pallet is prepared for handling with robots.

Not included

Subject to technical changes.

Type pallet (without vise)	Id. No.	Weight [kg]
Pallet Q400 prepared for 180 STV with feedings loading robot	46201111	28
Pallet Q400 prepared for 225 STV with feedings loading robot	46201101	28