

ISO 5686-2:2024-10 (E)

Polygonal turret interface with flat contact surface - Part 2: Receivers of type F, H, A and X for shanks of type F, H and A

| Contents | | Page |
|---|---|-------------|
| Foreword | | iv |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 1 |
| 4 | Polygonal taper receivers, types and dimensions | 2 |
| 4.1 | General | 2 |
| 4.2 | Polygonal taper receiver, Type F | 3 |
| 4.3 | Polygonal taper receiver, Type H | 6 |
| 4.4 | Polygonal taper receiver, Type A | 7 |
| 4.5 | Polygonal taper receiver, Type X | 8 |
| 4.6 | Dimensions | 8 |
| 5 | Design | 9 |
| 5.1 | Fastening of the PTI tool holders | 9 |
| 5.2 | Clamping forces | 9 |
| 5.3 | Material and heat treatment | 9 |
| 6 | Designation | 10 |
| Annex A (informative) Clamping forces for PTI receivers of types F, H, A and X | | 11 |
| Annex B (informative) Measuring planes for contour determination of the polygon | | 12 |
| Annex C (informative) Application of PTI types in turret lathes | | 45 |
| Annex D (informative) Set-up and design of the PTI interface in turret lathes | | 47 |
| Annex E (informative) Interface for energy and data transfer | | 50 |
| Bibliography | | 51 |