ISO 5686-1:2024-10 (E)

Polygonal turret interface with flat contact surface - Part 1: 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 shanks, types and dimensions 2
4.1 General 2
4.2 Polygonal taper shank, Type F 3
4.3 Polygonal taper shank, Type H 6
4.4 Polygonal taper shank, Type A 7
4.5 Dimensions 7

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 9

Annex A (informative) Clamping forces for PTI shanks of types F, H and A 10

Annex B (informative) Measuring planes for contour determination of the polygon 11

Annex C (informative) Application of PTI types in turret lathes 44

Annex D (informative) Set-up and design of the PTI interface in turret lathes 46

Annex E (informative) Interface for energy and data transfer 49

Bibliography 50