

ISO 8434-6:2009-08 (E)

Metallic tube connections for fluid power and general use - Part 6: 60° cone connectors with or without O-ring

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Materials	3
4.1	General	3
4.2	Connector bodies	4
4.3	Nuts	4
4.4	O-rings	4
5	Pressure/temperature requirements	4
6	Designation of connectors	5
7	Requirements for tubes	6
8	Across-flats dimensions and tolerances	7
9	Design	7
9.1	Connectors	7
9.2	Dimensions	7
9.3	Passage tolerances	7
9.4	Angular tolerances	8
9.5	Contour details	8
9.6	Ports and stud ends	8
10	Screw threads	8
10.1	60° cone connection ends	8
10.2	Stud ends (connection ends)	8
11	Manufacture	8
11.1	Construction	8
11.2	Workmanship	8
11.3	Finish	8
11.4	Connector protection	9
11.5	Corners	9
12	Assembly instruction	9
13	Procurement information	9
14	Marking of components	10
15	Performance and qualification test	10
15.1	Performance requirements	10

15.2	Test data form	12
Annex A (informative)	Preferred thread undercut details when bonded washer type seal is used	38
Bibliography		40