

ISO 8737

Taper pins with external thread, unhardened



Standard	ISO 8737		
Product Type	Specifies the characteristics of products with metric dimensions and nominal diameters from 5 mm up to and including 50 mm; tabulates thread sizes M 5 up to M 50 with nominal lengths from 40 mm up to 400 mm and specifications with reference to International Standards; gives an example for the designation.		
Material	Carbon Steel		
Surface Finish	Blackened, Plain, Zinc Plated		
Size Range	5 - 50	Length Range	40-400 mm
Thread	ISO metric coarse pitch		

BASIS OF SPECIFICATION

WHICH STANDARD GOVERNS WHAT

Dimensions to	ISO 8737:1986
Thread length	to be agreed
Minimum usable thread length	to be agreed

DIMENSIONAL DATA - SIZES WE SUPPLY

ALL DIMENSIONS PER THE STANDARD

d	a (max)	b (max)	b (min)	d2	P	d3 (max)	d3 (min)	z (max)	z (min)
Diameter - mm	Chamfer - mm	Thread Section Length - mm	Thread Section Length - mm	External Thread	Thread Pitch - mm	Thread End Diameter - mm	Thread End Diameter - mm	Thread End Length - mm	Thread End Length - mm
5	2.4	15.6	14	M5	0.8	3.5	3.25	1.5	1.25
6	3	20	18	M6	1	4	3.7	1.75	1.5
8	4	24.5	22	M8	1.25	5.5	5.2	2.25	2
10	4.5	27	24	M10	1.5	7	6.6	2.75	2.5
12	5.3	30.5	27	M12	1.75	8.5	8.1	3.25	3
16	6	39	35	M16	2	12	11.5	4.3	4
20	6	39	35	M16	2	12	11.5	4.3	4

FURTHER SIZES IN THIS STANDARD

ALL DIMENSIONS PER THE STANDARD

Not held in stock. Available to order; minimum order quantity applies.

d	a (max)	b (max)	b (min)	d2	P	d3 (max)	d3 (min)	z (max)	z (min)
Diameter - mm	Chamfer - mm	Thread Section Length - mm	Thread Section Length - mm	External Thread	Thread Pitch - mm	Thread End Diameter - mm	Thread End Diameter - mm	Thread End Length - mm	Thread End Length - mm
25	7.5	45	40	M20	2.5	15	14.5	5.3	5
30	9	52	46	M24	3	18	17.5	6.3	6
40	10.5	65	58	M30	3.5	23	22.5	7.5	7
50	12	78	70	M36	4	28	27.5	9.4	9

TECHNICAL SPECIFICATIONS

Surface Finish	Blackened, Plain, Zinc Plated
----------------	--------------------------------------

INSPECTION DOCUMENTS WE CAN ISSUE

EN 10204 3.1 material certificate	Can be included when agreed in the order.
Dimensional inspection report	Can be provided for the agreed inspection scope.
Certificate of conformity	Can be issued against the confirmed order requirements.
Mechanical test report	Available when the required tests are agreed before production.
Chemical analysis report	Available when the material verification scope is agreed.
Coating inspection report	Can record the coating checks agreed for the order.

REFERENCES & NOTES

Note: Dimensional values follow the selected execution standard. Material properties and batch test results are included only when declared or supported by the applicable certificate or test report.