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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION
ORGANISATION INTERNATIONALE DE NORMALISATION
МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ

Parallel pins, hardened (Dowel pins)

Goupilles cylindriques trempées

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 8734 was prepared by Technical Committee ISO/TC 2, *Fasteners*.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

Parallel pins, hardened (Dowel pins)

1 Scope and field of application

This International Standard specifies the characteristics of through hardened and case hardened parallel pins (dowel pins) with metric dimensions and nominal diameters, d , from 1 to 20 mm inclusive.

2 References

ISO 3269, *Fasteners — Acceptance inspection*.

ISO 4520, *Chromate conversion coatings on electroplated zinc and cadmium coatings*.

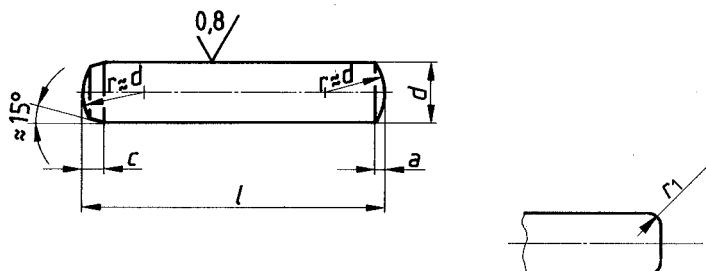
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3 Dimensions

Surface roughness values in micrometres

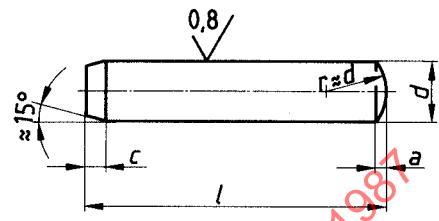
Type A

Pin with crown, through hardened



Type B

Flat pin, case hardened



Optional end shape for both pin types at the manufacturer's discretion, dimension r_1 replacing a .

Dimensions in millimetres

d	$m6^{1)}$	1	1,5	2	2,5	3	4	5	6	8	10	12	16	20
a	\approx	0,12	0,2	0,25	0,3	0,4	0,5	0,63	0,8	1	1,2	1,6	2	2,5
c		0,5	0,6	0,8	1	1,2	1,4	1,7	2,1	2,6	3	3,8	4,6	6
r_1	min.	—	0,2	0,2	0,3	0,3	0,4	0,4	0,4	0,5	0,6	0,6	0,8	0,8
	max.	—	0,6	0,6	0,7	0,8	0,9	1	1,1	1,3	1,4	1,6	1,8	2
$l^{2)}$ nom.	min.	max.												
	3	2,75	3,25											
4	3,75	4,25												
	5	4,75	5,25											
6	5,75	6,25												
	8	7,75	8,25											
	10	9,75	10,25											
12	11,5	12,5												
	14	13,5	14,5											
	16	15,5	16,5											
18	17,5	18,5												
	20	19,5	20,5											
	22	21,5	22,5											
24	23,5	24,5												
	26	25,5	26,5											
	28	27,5	28,5											
30	29,5	30,5												
	32	31,5	32,5											
	35	34,5	35,5											
40	39,5	40,5												
	45	44,5	45,5											
	50	49,5	50,5											
55	54,25	55,75												
	60	59,25	60,75											
	65	64,25	65,75											
70	69,25	70,75												
	75	74,25	75,75											
	80	79,25	80,75											
85	84,25	85,75												
	90	89,25	90,75											
	95	94,25	95,75											
100	99,25	100,75												

Range

of

commercial

lengths

1) Other tolerances as agreed between customer and supplier.

2) For nominal lengths above 100 mm, steps of 20 mm.