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International Standard ISO 4228

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Spanners and wrenches — Spline drive ends for power socket wrenches

Outils de manœuvre pour vis et écrous — Entraînement à cannelures pour douilles machines

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Foreword

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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 4228 was prepared by Technical Committee ISO/TC 29, *Small tools*.

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Spanners and wrenches — Spline drive ends for power socket wrenches

1 Scope and field of application

This International Standard defines certain dimensions for the involute splines used for driving power socket wrenches, and for the ends of these sockets.

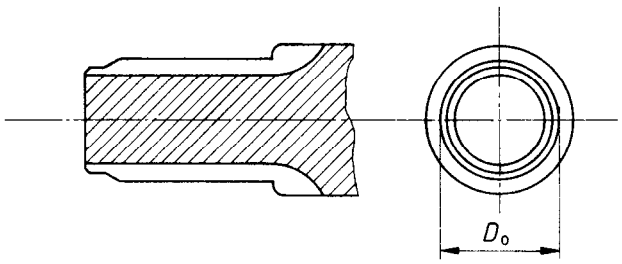
It covers both the male end dimensions, and the female end dimensions.

The pitch p/p_s as given in the tables defines the spline dimensions. The first number, p, is the diametral pitch; the second number, p_s, is the stub pitch and denotes, as the fractional part of an inch, the basic radial length of engagement, both above and below the pitch circle. The module, m, denotes the number of units of pitch diameter per tooth, in millimetres.

2 Dimensions

2.1 Male driving

2.1.1 Socket end



Size number	Nominal dimension D_0		Number of teeth	Module m	Pitch p/p_s	Pressure angle $\alpha°$	Pitch diameter	
	mm	in		mm			mm	in
4	31,75	1.250	14	2,116 7	12/24	30	29,634	1.166 7
5	41,28	1.625	14	2,540 0	10/12	20	35,560	1.400 0
5A	48,26	1.900	18	2,540 0	10/20	30	45,720	1.800 0
6	60,33	2.375	18	3,175 0	8/16	30	57,150	2.250 0