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JIS

JAPANESE INDUSTRIAL STANDARD

Radius of Machine Parts
(Press Working of Sheet Metals)

JIS B 0702 —1977

Translated and Published

by

Japanese Standards Association



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JAPANESE INDUSTRIAL STANDARD

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Radius of Machine Parts
(Press Working of Sheet Metals)

B 0702-1977
(Reaffirmed: 1980)

1. Scope

This Japanese Industrial Standard specifies the roundness values of edges and corners of machine parts made of sheet metals which are subjected to press working such as punching, bending, drawing, beading, embossing, burring and hole flanging. This standard, however, does not apply to the places which require functional consideration.

2. Definitions

The principal terms used in this standard are as defined below.

- (1) radius of punched part Radius of roundness at edge or corner of sheared profile (see Fig. 1).
- (2) radii of press parts worked by bending, drawing, beading, embossing, burring and hole flanging Inside radii r_p , r_a and r_c of roundness at corners or edges, excluding plate thickness t (see Figs. 2, 3, 4 and 5).
 - r_p : radius determined mainly by a punch head
 - r_a : radius determined mainly by a shoulder of a die
 - r_c : radius determined mainly by a side face of a punch or die

Applicable Standard:

JIS Z 8601-Preferred Numbers



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