

# Lab Cylindrical Press Mold for Powder Sample Forming And Testing



The cylindrical mold is a common tablet pressing mold in the laboratory powder sample pressure molding, which is suitable for the molding and testing of most powder samples in the laboratory. The mould is exquisite in workmanship, reasonable in design and convenient in operation. With the use of tablet press, powder sample materials can be pressed into shape, such as circular sheet, cylinder, etc. the sample size depends on the mold size ordered by users; the mold is widely used in battery, superconductor, cement, ceramics, catalysis, silicate, powder metallurgy, sea mud analysis, biochemical analysis and new material sample preparation research and development. In addition, the product can also be used with calcium iron, infrared FT-IR, X-ray fluorescence and other testing instrument.



φ3-25mm Round Mold	Circle Mold	W3-60mm Square Mold	φ41-80mm Round Mold	φ11-40mm Round Mold
φ3-10mm Round Mold	W41-70mm Square Mold	W31-40mm Square Mold	W3-30mm Square Mold	φ101-150mm WC Mold
φ41-100mm WC Mold	φ21-30mm WC Mold	Infrared Mold	PMP Mold	300°C heating Mold

## Specifications

Actual drawing of molding sample								
Compressible sample shape	Circular sheet, cylinder, etc							
Common mold specifications	φ3, φ5, φ6, φ8, φ10, φ13, φ15, φ18, φ20, φ22, φ25, φ30, φ32, φ40mm							
Mold material	High-speed steel ASSAB+17				Alloy tool steel:Cr12MoV			
Hardness of die indenter	HRC68-HRC70				HRC60-HRC62			
Sample size (±)	φ6mm	φ13mm	φ25mm	φ40mm	φ50mm	φ60mm	φ70mm	φ80mm
Mold cavity depth	20mm	30mm	40mm	45mm	55mm	60mm	65mm	65mm
Mould dimensions	φ43×78mm		φ53×120mm		φ88×150mm		φ108×180mm	
	φ43×93mm		φ73×133mm		φ98×180mm		φ118×150mm	
Mould weight	0.55kg	0.67kg	1.34kg	2.9kg	5.1kg	7.3kg	9kg	11.5kg
Calculation formula of die pressure	Area of oil cylinder/area of mould×reading of pressure gauge = actual pressure of mould. Do not overpressure!							
Mould remarks	Non standard customization, the above indicators are only for reference, can be customized according to customer needs of various specifications, materials, shapes of the mold							

Product pictures



**Adres:** HYDRA Teknolojik Sistemler Ltd. Şti., Merkez Mahallesi, Firuze Sokak, DAP Yapı S Plaza No: 5 iç kapı No: 173 - (190) PK 34406 Kağıthane - İstanbul, Türkiye

**Telefon:** 0212 321 65 10 / **Fax:** 0212 321 65 11

**www.hydratek.com.tr / info@hydratek.com.tr**