

CORE PIN MATERIAL



DIECAST CAVITY PARTS



Feature

Custom made CORE PIN

We have over 30 -year- history to produce custom-made core pins. Always we pick up customers offer and keep world standard. We take safe, cost value, and delivery every time.

Custom limit

- $\phi 300 \times L1000\text{mm}$ at maximum core pin length
- For Water hole: $\phi 1, \phi 1.8, \phi 2, \phi 2.5, \phi 3, \phi 3.5 \sim$
(Basically, L600mm at the longest. Please contact us.)



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CORE PIN MATERIALS

List of steel classes

Trade name	Designation	Recommended HRC	Features	Stock
SKD61 (DAC)	A	42 ~ 50	General material for die-casting die.	◎
SKD61	H45	43 ~ 47	2 types of SKD61. Each with different hardness.	◎
SKD61	H48	46 ~ 50		◎
DAC-MAGIC	D-Magic	46 ~ 50	High temperature strength, toughness.	◎
DAC-S	D-S	46 ~ 50	ESR Version for H13. Higher heat check resistance.	○
DIEVAR	DIEVAR	42 ~ 50	High-toughness, High temperature strength High heat resistance.	○
DHA-THERMO	THERMO	42 ~ 50	High thermal conductivity. High degree of hardness.	○
DHA-WORLD	WORLD	42 ~ 50	SKD61	○

FDAC	FDAC	38 ~ 42	Prehardened, Free-cutting Steel for holders etc.	◎
HPM38	HPM38	50 ~ 53	Prehardened, improved SUS420J2, Corrosion resistant.	○
HPM7	HPM7	29 ~ 33	Plastic type steel for prehardening & SCM base.	◎
S45C	S45C	20 ~ 25	Standard material for die-casting die machinism Parts.	◎

※Other materials available on request.

SKH51 (YXM1)	SKH51	55 ~ 60	For High speed tool steel, general cutting tool.	◎
YXR33	YXR33	52 ~ 58	High-toughness. High erosion resistance.	◎
YAG	YAG	45 ~ 53	Very strong steel, Very high-toughness. Can be hardened by aging treatment. (480 ~ 520°C)	○
SKD11 (SLD)	SKD11	58 ~ 62	For cold working tool steel or press type tool.	○

※DAC, DAC-MAGIC, DAC-S, FDAC, HPM38, HPM7, YXM1, YXR33, YAG, SLD Presented by Hitachi.

※Anvilloy, D2M, Be Cu and other materials available on request.

Copper	CU	—	Thermal conductivity : 389.773 (W/m · K)	◎
Copper 25	BeCU25	—	Thermal conductivity : 108.968 ~ 129.924 (W/m · K)	△
Copper 50	BeCU50	—	Thermal conductivity : 209.556 ~ 238.894 (W/m · K)	△
Brass (BSBM2)	CB3604D	—	Thermal conductivity : 121.542 (W/m · K)	○
SUS303	SUS303	—	Thermal conductivity : 16.345 (W/m · K)	○
SUS304	SUS304	—	Thermal conductivity : 16.345 (W/m · K)	○
ANVILOY	ANVILOY	—	Sintering cemented alloy · Excellent erosion resistance.	○

◎ : Fully equipped ○ : Partly equipped △ : Back-order