

# CUTES Europe Ltd.

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## pump materials

### MATERIAL CODE

Different materials of construction are available, from FCD (cast iron / nodular iron) up to SS6 (full casted 316L stainless steel) or duplex stainless steel,

but also many combinations with cast iron, stainless steel, ceramic coating, stainless steel cladding.

The material designation (for example SCS13) are based on JIS (Japanese Industrial Standards). A material equivalency chart is available in the following.

	FCD	STD	XVS	SS4	PVS	SS6	SS6L
<b>Cones</b>	cast iron FC-200	FC-200	SCS13	SCS13	SCS14	SCS14	CF-3M
<b>Rotor</b>	nodular iron (s.g.i.) FCD- 400	SCS13	SCS13	SCS13	SCS14	SCS14	CF-3M
<b>Head</b>	FC-200	FC-200	FC-200	SCS13	FC-200	SCS14	CF-3M
<b>Body</b>	FC-200	FC-200	FC-200	SCS13	FC-200	SCS14	CF-3M
<b>cladding - plates</b>	-	-	AISI304	-	AISI316	-	-
<b>Shaft</b>	carbon steel S- 45C	S-45C	SUS410	SUS410	SS316	SS316	SS316L sleeves

The bearing bracket are made of cast iron.

The bearing cups are made of ductile iron.

### MATERIAL EQUIVALENCY CHART

	JIS (Japan)	DIN (Germany)	ASTM (USA)
Cast Iron	FC 200	GGL 200	ASTM A-48-308
Nodular Iron (s.g.i.)	FCD 400	GGG-40	ASTM 80-40
Carbon Steel	S45C	C45	AISI 1045
Stainless Steel	SCS13	1.4308 (G- X6CrNiMo 18 9)	CF - 8 (casted material, closed to AISI 304)

### Conferences, exhibitions

CUTES Europe is participating to the following trade shows:

**ACHEMA**,

Frankfort (D)

MIAC,

Lucca (I)

**ZELLCHEMING**,

Wiesbaden (D)

		pump materials	
Stainless Steel	SCS14	1.4408 ( G- X6CrNiMo18 10 )	CF - 8M, (casted material, closed to AISI 316)
Stainless Steel	SUS-410	1.4006 ( X10Cr13 )	ASTM 410