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中国材料标准对照表

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00	10/05	First issue 第一次出版	Cernotta D&C	Petrossi DME	Viganò DME
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1) DOCUMENT PURPOSE:

this document aims to assist in **reading** and **understanding** of Danieli Std drawings, which are usually written in English language format.

2) APPLICABILITY:

this document has to be applied for all Danieli drawings.

3) DOCUMENT WAY OF USE:

this document is organized in material types.

4) OTHER RELATED DOCUMENTS:

- 6.183000.T Chinese Drawing labels specification
- 6.183001.P Chinese Technical dictionary

1) 宗旨:

此文件旨在帮助理解按 Danieli 标准绘制的图纸, 图纸通常以英文出版.

2) 应用范围:

文件适用于所有的 Danieli 图纸.

3) 使用方法:

文件用于材料的对照.

4) 相关文件:

- 6.183000.T 中文图纸说明表格
- 6.183001.P 中文技术词典

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BASIC AND QUALITY NON ALLOY STEEL

European Material				Chinese Material	
Old Material	Old Standard	New Material	New Standard	Material	Standard
Fe490	UNI 7070	E295	EN 10025	Q345A	GB/T1591-94
St50-2	DIN17100	E295	EN 10025	Q345A	GB/T1591-94
Fe590	UNI 7070	E335	EN 10025	Q345A	GB/T1591-95
St60-2	DIN17100	E335	EN 10025	Q345A	GB/T1591-96
Fe410-1KW	UNI 5869	P265GH	EN 10028-2	22g	GB 713-86
		P355GH	EN 10028-2	16Mng	GB 713-86
Fe360D	UNI7070	S235J2G3	EN 10025	Q235D	GB 700-88
Fe360B	UNI7070	S235JR	EN 10025	Q235B	GB 700-88
St37-2	DIN17100	S235JR	EN 10025	Q235B	GB 700-88
Fe430C	UNI 7070	S275J0	EN 10025	Q345C	GB/T 1591-94
St44-3U	DIN17100	S275J0	EN 10025	Q345C	GB/T 1591-94
Fe430D	UNI 7070	S275J2G3	EN 10025	Q345E	GB/T 1591-94
St44-3N	DIN17100	S275J2G3	EN 10025	Q345E	GB/T 1591-94
Fe430B	UNI 7070	S275JR	EN 10025	Q345A	GB/T 1591-94
St44-2	DIN17100	S275JR	EN 10025	Q345A	GB/T 1591-94
Fe510C	UNI 7070	S355J0	EN 10025	Q345C	GB/T 1591-94
St52-3U	DIN17100	S355J0	EN 10025	Q345C	GB/T 1591-94
		S355J2G1W	EN 10155-95	Q295GNHL	GB/T 4171-2000
Fe510D	UNI 7070	S355J2G3	EN 10025	Q345E	GB/T 1591-94
St52-3N	DIN17100	S355J2G3	EN 10025	Q345E	GB/T 1591-94
COR-TEN A-B		S355J2WP	EN 10155-95	Q345GNHL	GB/T 4171-2000
Fe510B	UNI 7070	S355JR		Q345A	GB/T 1591-94
		S355K2G1W	EN 10155-95	15MnCuCr	GB/T 4172
		S690Q	EN 10137-2	Q690 E	GB/T 16270

C 10	UNI 7846	C10E	EN 10084	10	GB 699-88
Ck 10	DIN17210	C10E	EN 10084	10	GB 699-88
C 15	UNI 7846	C15E	EN 10084	15	GB 699-88
Ck 15	DIN17210	C15E	EN 10084	15	GB 699-88
16CrNi4	UNI 7846	16NiCr4	EN 10084	12Cr2Ni4	GB 3077-88
15CrNi6	DIN17210	16NiCr4	EN 10084	12Cr2Ni4	GB 3077-88
17CrNiMo6	DIN17210	18CrNiMo7-6	EN 10084	20CrNi2Mo	GB 3077-88
18NiCrMo5	UNI 7846	17NiCrMo6-4	EN 10084	17Cr2Ni2Mo2	GB/T 6396-92

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QUENCHED & TEMPERED, NITRIDING AND SURFACE HARDENING SPECIAL STEEL

European Material				Chinese Material	
Old Material	Old Standard	New Material	New Standard	Material	Standard
C 40	UNI 7845	C40	EN 10083-2	45	GB 699-88
C 40k	DIN 17200	C40E	EN 10083-1	45	GB 699-88
C 45K	DIN 17200	C45K	EN 10083-1	45	GB 699-88
C 50	UNI 7845	C50E	EN 10083-1	42CrMoV	JB/T 6396-92
Ck 50	DIN 17200	C50E	EN 10083-1	42CrMoV	JB/T 6396-92
25CrMo4	UNI 7845	25CrMo4	EN 10083-1	37CrNi3	JB/T 6396-92
25CrMo4	DIN 17200	25CrMo4	EN 10083-1	37CrNi3	JB/T 6396-92
35Mn5V				42CrMoV	JB/T6396-92
35SiMn				42CrMoV	JB/T6396-92
41CrMo4V				42CrMoV	JB/T6396-92
42CrMo4	UNI 7845	42CrMo4	EN 10083-1	42CrMo	JB/T6396-92
42CrMo4V	UNI 7845			42CrMoV	JB/T6396-92
34CrMo4			EN 10083-1	35CrMo	JB/T 6396-92
41Cr4			EN 10083-1	40Cr, 50Cr	JB/T 6396-92
39NiCrMo3	UNI 7845	36CrNiMo4	EN 10083-1	40CrNiMoA	JB/ZQ 4288-86
36CrNiMo4	DIN 17200	36CrNiMo4	EN 10083-1	40CrNiMoA	JB/ZQ 4288-86
30NiCrMo8	DIN 17200	30CrNiMo8	EN 10083-1	34CrNi3Mo	GB/T 6396-92
51CrV4			EN 10083-1	50CrVA	GB 1222-84
31CrMo12	UNI 8552	31CrMo12	EN 10085	30Cr2Ni2Mo	GB/T6396-92
35CrAlMo7	UNI 8077	34CrAlMo5-10	EN 10085	38CrMoAl	GB/T 6396-92

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STAINLESS STEEL					
European Material				Chinese Material	
Old Material	Old Standard	New Material	New Standard	Material	Standard
X5CrNi1810	UNI 6901	X5CrNi18 10	EN 10088-2	0Cr19Ni9	GB/T 6398-92
X5CrNi1810	DIN 17440	X5CrNi18 10	EN 10088-2	0Cr19Ni9	GB/T 6398-92
AISI304		X5CrNi18 10	EN 10088-2	0Cr19Ni9	GB/T 6398-92
X2CrNi1811	UNI 6901	X2CrNi19 11	EN 10088	00Cr19Ni10	GB/T1220
X2CrNi1911	DIN 17440	X2CrNi19 11	EN 10088	00Cr19Ni10	GB/T1220
AISI 304L		X2CrNi19 11	EN 10088	00Cr19Ni10	GB/T1220
X5CrNiMo1712	UNI 6901	X5CrNiMo17 12 2	EN 10088	0Cr17Ni12Mo2	GB1220-84
X5CrNiMo17122	DIN 17440	X5CrNiMo17 12 2	EN 10088	0Cr17Ni12Mo2	GB1220-84
AISI 316		X5CrNiMo17 12 2	EN 10088	0Cr17Ni12Mo2	GB1220-84
X2CrNiMo1712	UNI 6901	X2CrNiMo17 12 2	EN 10088	00Cr17Ni14Mo2	GB/T 1220
X2CrNiMo17132	DIN 17440	X2CrNiMo17 12 2	EN 10088	00Cr17Ni14Mo2	GB/T 1220
AISI 316L		X2CrNiMo17 12 2	EN 10088	00Cr17Ni14Mo2	GB/T 1220
X6CrNiMoTi1712	UNI 6901	X6CrNiMoTi17 12	EN 10088	0Cr18Ni12Mo2Ti	GB/T 1220
X6CrNiMoTi17122	DIN 17440	X6CrNiMoTi17 12	EN 10088	0Cr18Ni12Mo2Ti	GB/T 1220
AISI 316Ti		X6CrNiMoTi17 12	EN 10088	0Cr18Ni12Mo2Ti	GB/T 1220
X6CrNiTi1811	UNI 6901	X6CrNiTi 18 10	EN 10088-2	0Cr18Ni10Ti	GB/T 1220
X6CrNiTi1810	DIN 17440	X6CrNiTi 18 10	EN 10088-2	0Cr18Ni10Ti	GB/T 1220
AISI 321		X6CrNiTi 18 10	EN 10088-2	0Cr18Ni10Ti	GB/T 1220
X12CrNi177			DIN 17224	1Cr18Ni9	GB/T 1220
X10CrNi18 9			DIN 17440	1Cr18Ni9Ti	GB/T 1220
X2CrNi18 10			DIN 17440	00Cr18Ni10N	GB/T 1220
X12CrNi188				1Cr18Ni9	
X5CrNi189				0Cr18Ni9	
X2CrNi189				00Cr18Ni10	
X2CrNiMo1812				0Cr17Ni12Mo2	
X10CrNiTi189				00Cr19Ni13Mo3	
X10CrTi189				1Cr18Ni9Ti,0Cr19Ni10Ti	
X10CrNiNb189				0Cr18Ni11Nb	
X71CrAl13				0Cr13Al	
X8Cr17				1Cr17	
X10Cr13				1Cr13	
X7Cr13				1Cr13	
X20Cr13				2Cr13	
X22CrNi17				1Cr17Ni2	
X105CrMo17				9Cr18	

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SPRING STEELS

European Material				Chinese Material	
Old Material	Old Standard	New Material	New Standard	Material	Standard
C 70	UNI 3545	C67S	EN 10132-4	60Si2CrVA	GB/T 6399-92
Ck 67	DIN 17222	C67S	EN 10132-4	60Si2CrVA	GB/T 6399-92
55 Si 7	UNI 3545	56Si7	EN 10132-4	60Si2A	GB/T 6399-92
50CrV4			DIN 17221	60Si2A	GB/T 6399-92
51CrMoV4			DIN 17221	60CrMnMoA	GB/T 1222
55Cr3			DIN 17221	60CrMnA	GB/T 1222
60SiCr7			DIN 17221	60Si2CrA	GB/T 6399-92

GRAY CAST IRON

European Material				Chinese Material	
Old Material	Old Standard	New Material	New Standard	Material	Standard
G 15	UNI 5007	EN-GJL-150	EN 1561	HT 150	GB 9439-88
GG 15	DIN 1691	EN-GJL-150	EN 1561	HT 150	GB 9439-88
G 20	UNI 5007	EN-GJL-200	EN 1561	HT 200	GB 9439-88
GG 20	DIN 1691	EN-GJL-200	EN 1561	HT 200	GB 9439-88
G 25	UNI 5007	EN-GJL-250	EN 1561	HT 250	GB 9439-88
GG 25	DIN 1691	EN-GJL-250	EN 1561	HT 250	GB 9439-88
G 30	UNI 5007	EN-GJL-300	EN 1561	HT 300	GB 9439-88
GG 30	DIN 1691	EN-GJL-300	EN 1561	HT 300	GB 9439-88
G 35	UNI 5007	EN-GJL-350	EN 1561	HT 350	GB 9439-88
GG 35	DIN 1691	EN-GJL-350	EN 1561	HT 350	GB 9439-88

SPHEROIDAL GRAPHITE CAST IRON

European Material				Chinese Material	
Old Material	Old Standard	New Material	New Standard	Material	Standard
GS 370-17	UNI 4544	EN-GJS-350-22	EN 1563	QT400-18	GB 1348-88
GS 400-12	UNI 4545	EN-GJS-400-15	EN 1563	QT400-15	GB 1348-88
GS 500-7	UNI 4546	EN-GJS-500-7	EN 1563	QT500-7	GB 1348-88
GS 600-3	UNI 4547	EN-GJS-600-3	EN 1563	QT600-3	GB 1348-88
GS 700-2	UNI 4548	EN-GJS-700-2	EN 1563	QT700-2	GB 1348-88
GS 800-2	UNI 4549	EN-GJS-800-2	EN 1563	QT800-2	GB 1348-88

BALL AND ROLLER BEARING STEEL

European Material				Chinese Material	
Old Material	Old Standard	New Material	New Standard	Material	Standard
100Cr6	UNI 3097	100Cr6	EN ISO 683-17	GCr15	YB(T) 1-80

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BRONZE

European Material				Chinese Material	
Old Material	Old Standard	New Material	New Standard	Material	Standard
G-CuSn12	UNI 7013	CuSn12-C-GS	EN 1982	ZCuSn10Pb1/J	GB 1176-87
GC-CuSn12	UNI 7014		EN 1982	ZCuSn10Pb1/J	GB 1176-87
GZ-CuSn12	UNI 7015		EN 1982	ZCuSn10Pb1/J	GB 1176-87
G-CuAl11Fe4	UNI 5274	CuAl10Fe2-C-GM	EN 1982	ZCuZn26Al4Fe3Mn3	GB 1176-87
B14		CuAl10Fe2-C-GM	EN 1982	ZCuZn26Al4Fe3Mn3	GB 1176-87
G-CuAl11Fe4Ni4	UNI 5275	CuAl10Fe5Ni5-C-GZ	EN 1982	ZCuAl9Fe4Ni4Mn2	GB 1176-87
G-CuAl10Ni	DIN 1714	CuAl10Fe5Ni5-C-GZ	EN 1982	ZCuAl9Fe4Ni4Mn2	GB 1176-87
CuSn8F45				ZCuAl10Fe3	GB 1176-87

BRASS

European Material				Chinese Material	
Old Material	Old Standard	New Material	New Standard	Material	Standard
G-CuZn40			EN 1982	ZCuZn40Mn2/J	GB 1176-87
CuZn40Pb2F43				ZCuZn38Mn2Pb2	GB 1176-87
G-CuZn35Al1				ZCuZn25Al6Fe3Mn3	GB 1176-87
G-CuSn7ZnPb				ZCuZn40Pb2	GB 1176-87

COPPER

European Material				Chinese Material	
Old Material	Old Standard	New Material	New Standard	Material	Standard
		SE Cu F20	Din 40500-1	H62	GB 2041-89
		Cu-DLP-R240S	EN 12167	H62	GB 2041-89
		E-Cu57 F20	DIN 40500-3	H62	GB 2041-89

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TOOL STEELS

European Material				Chinese Material	
Old Material	Old Standard	New Material	New Standard	Material	Standard
X210Cr12			DIN 17350	Cr12	GB/T 1299
X153CrVMo12			DIN 17350	Cr12Mo1V1	GB/T 1299
X20Cr13V				2Cr13, 3Cr13	GB 1220-84
105WCr6			DIN 17350	CrWMn	GB/T 1299
X37CrMoV5-1			EN ISO 4957	4Cr5MoSiV	GB/T 1299
X40CrMoV51			DIN 17350	4Cr5MoSiV1	GB/T 1299

CASTING STEEL

European Material				Chinese Material	
Old Material	Old Standard	New Material	New Standard	Material	Standard
GS-38.3				ZG 230-450	GB 11352-89
GS-45.3				ZG 230-450	GB 11352-89
GS-52.3				ZG 270-500	GB 11352-89
GS-60.3				ZG340-640	GB 11352-89
GS-C25N				ZG20SiMn	JB/ZQ4297-86
GS-C25V				ZG20SiMn	JB/ZQ4297-86
GS-20Mn5V				ZG36FeMnMo	JB/ZQ4297-86
GS-30Mn5V				ZG35SiMn	JB/ZQ4297-86
GS-25CrMo4V			DIN 17205	ZG35CrMo	JB/ZQ4297-86
GS-42CrMo4V			DIN 17205	ZG35CrMo	JB/ZQ4297-86
GS-50CrMo4V			DIN 17205	ZG35CrMo	JB/ZQ4297-86

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