

Hot-rolled Products

End Uses

Steel Grades

Corresponding Standards

DIN

Structural & general applications	St 33, St37-2, St37-3, St44-2, St44-3, St52-3	DIN 17100 - 80
Weather resistant structures	St 52-3 CU3, St37-2CU3	DIN 17100 - 80
Re-rolling	St22, RRSt23, St24	DIN 1614 - 86
Drawing & Forming applications	Stw24, RRStw23, Stw22	DIN 1614 - 86
Pressure vessels	17 Mn4	DIN 17155 - 83
Structural parts & vehicle chassis	STE 380 TM, QSTE 380 TM, STE420 TM	DIN 17102 - 83

JIS

Drawing & forming applications	SPHC, SPHD, SPHE	JIS 3131 - 90
Structural & general applications	SS 400, SS 330	JIS 3101 - 87
Structural & general applications	SM 400 A/B/C, SM 490 A/B/C, SM 520 B/C	JIS 3106-92
Pipe & tube making applications	SPHT1, SPHT2, SPHT3, SPHT4	JIS 3132 - 90
Structural parts, vehicle chassis & wheel rings	SAPH 310, SAPH 370, SAPH 400, SAPH 440	JIS 3112 - 90

SAE

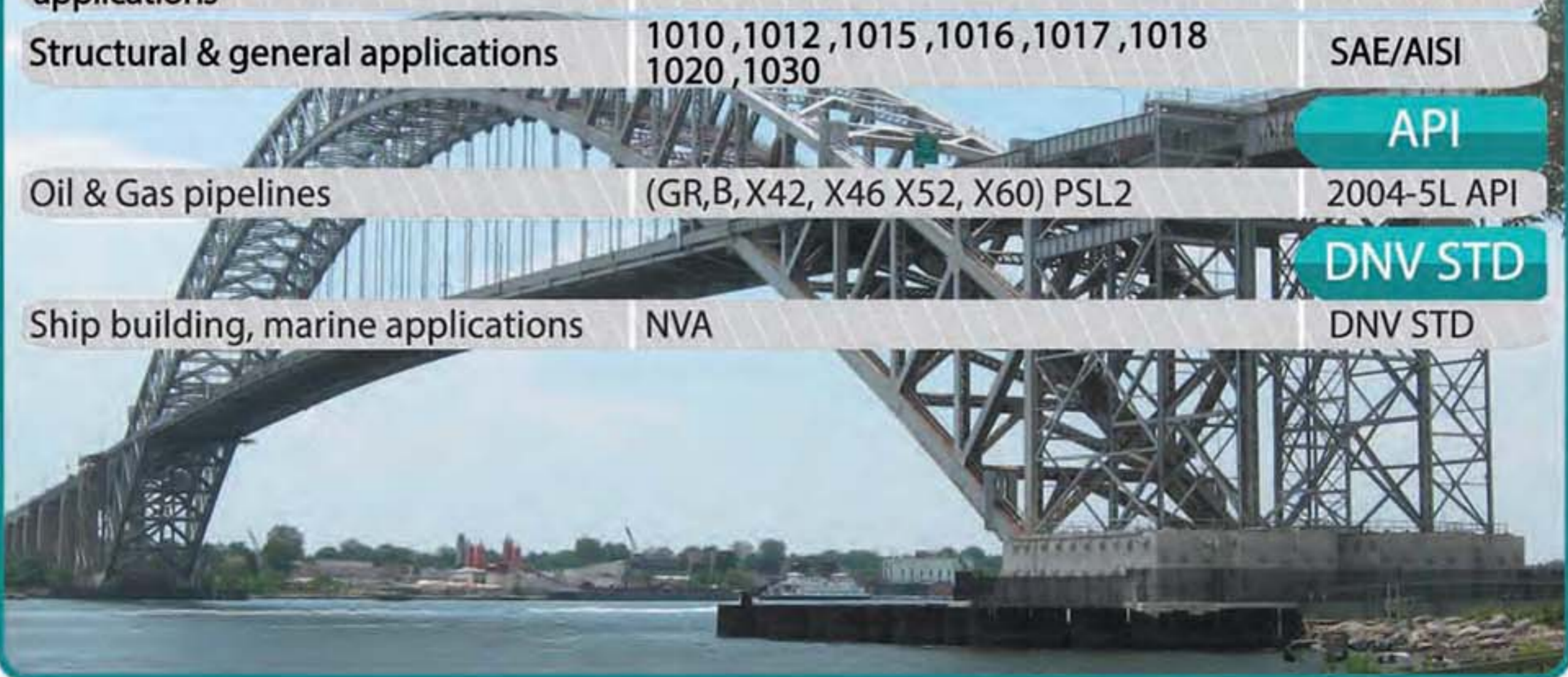
General, structural, drawing & Re-rolling applications	1006 - 1008	SAE/AISI
Structural & general applications	1010, 1012, 1015, 1016, 1017, 1018, 1020, 1030	SAE/AISI

API

Oil & Gas pipelines	(GR, B, X42, X46 X52, X60) PSL2	2004-5L API
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DNV STD

Ship building, marine applications	NVA	DNV STD
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End Uses

Steel Grades

Corresponding Standards

ASTM

Drawing & forming applications	A569, A621, A622	ASTM
Structural & general applications	A572GR. 42/50, A 283 GR. A/B/C/D, A 284 GR. C/D	ASTM
Tanks & pressure vessels	A 285 GR. C, A 414, A442, A515, A516	ASTM

BS

Structural, constructional & general applications	(40, 43, 50) (A, B, C, D)	BS 4360-86
Drawing applications	HR1, HR2, HR3, HR4	BS 1449 PART -83
Pressure vessels	161 (360A, 400A, 430A)	BS 1501

EN

General & drawing applications	DD11, DD12, DD13	EN 10111-96
General, constructional & structural applications, tanks & pressure vessels	(S235, S275, S355) (JR, JO, J2)	EN 10025-93
Structural applications	S315MC, S355 MC, S420MC, S500MC	EN 10149-96
Fine grain steel with low temperature Properties	P27SNL2, P355NL2	EN 10028-3

B 53

Automotive Parts	HE275, HE335 D, HE390D	B 53 3316
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Dimensions

Description	Thickness (mm)	Width (mm)	Length (mm)
Hot-rolled coils	1.5 - 16	600 - 1850	-
Hot-rolled sheets	1.8 - 16	600 - 1850	1000 - 12000

Minimum and Maximum Weight of Coils

Width (mm)	As rolled (mt)	One cut (mt)	Two cuts (mt)
600 - 740	3.5 - 12	3 - 6	2.5 - 4
741 - 840	4.5 - 13.5	4 - 6.5	3 - 4.5
841 - 940	5 - 15	4.5 - 7.5	3.5 - 5
941 - 1040	6 - 16.5	5 - 8	4 - 5.5
1041 - 1140	6.5 - 18	6 - 9	4.5 - 6
1141 - 1240	7 - 19.5	6.5 - 9.5	5 - 6.5
1241 - 1335	7.5 - 21	7 - 10.5	5.5 - 7
1336 - 1435	8 - 22.5	8 - 11	5.5 - 7.5
1436 - 1535	8.5 - 24	8.5 - 12	6 - 8
1536 - 1630	9.5 - 25.5	9 - 12.5	6.5 - 8.5
1631 - 1730	10 - 27	10 - 13.5	7 - 9
1731 - 1850	10.5 - 29.5	10.5 - 14.5	7.5 - 10

Minimum and Maximum Weight of Bundles

Product type	Standard weight (mt)	Customized weight (mt)
Hot-rolled sheets	2 - 7	2 - 4.5