

INFORMATIVE

1.1 SPECIAL CONSTRUCTIONAL STEELS

Tab. 1

CASEHARDENING STEELS (Carburized, Quenched and stress relief tempered condition), BARS AND FORGED	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
17NiCrMo6-4-EN 10084 (1.6566)	20HN2M-GOST 4543
14NiCrMo13-4-EN 10084 (1.6657)	18H2N4MA-GOST 4543

Tab. 2

NON ALLOY QUALITY STEELS, BARS (Normalized condition)	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
C40-EN 10083-2 (1.0511)	40-GOST 1050
C45-EN 10083-2 (1.0503)	45-GOST 1050

Tab. 3

STEELS FOR QUENCHING AND TEMPERING, BARS (quenching and tempering)	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
25CrMo4-EN 10083-3 (1.7218)	30HM-GOST 4543
	30HMA- GOST 4543
42CrMo4-EN 10083-3 (1.7225)	38HM-GOST 4543
	38HGM-GOST 4543
39NiCrMo3-EN 10083-3 (1.6510)	40HGNM-GOST 4543
34CrNiMo6-EN 10083-3 (1.6582)	38H2N2MA-GOST 4543
	40H2N2MA-GOST 4543
	40HN2MA-GOST 4543
36NiCrMo16-EN 10083-3 (1.6773)	38HN3MFA-GOST 4543

INFORMATIVE

Tab. 4

NON ALLOY QUALITY STEEL, FORGED (Normalized condition)	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
C40-EN 10250-2 (1.0511)	40-GOST 8479
C45-EN 10250-2 (1.0503)	45-GOST 8479

Tab. 5

STEELS FOR QUENCHING AND TEMPERING, FORGED (quenching and tempering)	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
25CrMo4-EN 10250-3 (1.7218)	30HMA-GOST 8479
42CrMo4-EN 10250-3 (1.7225)	38HM-GOST 8479
34CrNiMo6-EN 10250-3 (1.6582)	38H2N2MA-GOST 8479
	40H2N2MA-GOST 8479
	40HN2MA-GOST 8479
	34HN3M-GOST 8479
36NiCrMo16-EN 10250-3 (1.6773)	38HN3MFA-GOST 8479

Tab. 6

ALLOY SPECIAL STEEL CASTINGS (Normalized condition)	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
G20Mn5-EN 10293 (1.6220)	20GL-GOST 977

Tab. 7

ALLOY SPECIAL STEEL CASTINGS (Quenched and tempered condition)	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
G42CrMo4+QT1-EN 10293 (1.7231)	40HML-GOST 977
G42CrMo4+QT2-EN 10293 (1.7231)	40HML-GOST 977

Tab. 8

NITRIDING STEELS (Quenched and Tempered and Gaseous Nitrided condition) BARS AND FORGED	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
41CrAlMo7-10- EN 10085 (1.8509)	38H2MJuA-GOST 4543 ONLY FOR BARS

INFORMATIVE

Tab. 9

COLD ROLLED STEEL STRIP FOR SPRINGS	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
C67S-EN 10132-3 (1.1231)	70-GOST 2284

Tab. 10

HOT ROLLED BARS FOR SPRINGS	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
56Si7-EN 10089 (1.5026)	55S2-GOST 14959
	55S2A-GOST 14959
61SiCr7-EN 10089 (1.7108)	60S2HA-GOST 14959
51CrV4-EN 10089 (1.8159)	50HGFA-GOST 14959

Tab. 11

THROUGH QUENCHING ROLLER BEARINGS STEELS	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
100Cr6-ISO 683-17 (1.3505)	ShH15-GOST 801

INFORMATIVE

1.2 TOOL STEELS

Tab. 12

COLD WORK TOOL STEELS	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
X153CrMoV12-ISO 4957 (1.2379)	H12MF-GOST 5950
X210Cr12-ISO 4957 (1.2080)	H12-GOST 5950
90MnCrV8-ISO 4957 (1.2842)	9G2F-GOST 5950

Tab. 13

HOT WORK TOOL STEEL	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
X37CrMoV5-1-ISO 4957 (1.2343)	4H5MFS-GOST 5950
X40CrMoV5-1-ISO 4957 (1.2344)	4H5MF1S-GOST 5950
55NiCrMoV7-ISO 4957 (1.2714)	5HN2MF-GOST 5950

INFORMATIVE

1.3 STAINLESS STEELS

Tab. 14

CORROSION RESISTING, AUSTENITIC, PLATES FOR GENERAL PURPOSE	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
X2CrNi18-9-EN 10088-2 (1.4307)	03H18N11-GOST 5632
X2CrNi19-11-EN 10088-2 (1.4306)	
X2CrNiMo17-12-2-EN 10088-2 (1.4404)	03H17N14M3-GOST 5632

Tab. 15

CORROSION RESISTING, AUSTENITIC, PLATES FOR PRESSURE PURPOSE	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
X2CrNi18-9-EN 10028-7 (1.4307)	03H18N11-GOST 5632
X2CrNi19-11-EN 10028-7 (1.4306)	
X2CrNiMo17-12-2-EN 10028-7 (1.4404)	08H17N13M2T-GOST 5632

Tab. 16

HEAT AND CREEP RESISTING, AUSTENITIC, PLATES (Solution Annealed condition)	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
X8CrNi25-21-EN 10095 (1.4845)	20H23N18-GOST 5632

Tab. 17

CORROSION RESISTING, AUSTENITIC, BARS FOR GENERAL PURPOSE	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
X2CrNi18-9-EN 10088-3 (1.4307)	03H18N11-GOST 5632
X2CrNi19-11-EN 10088-3 (1.4306)	
X5CrNi18-10-EN 10088-3 (1.4301)	08H18N10-GOST 5632
X2CrNiMo17-12-2-EN 10088-3 (1.4404)	03H17N14M3-GOST 5632

INFORMATIVE

Tab. 18

CORROSION RESISTING, MARTENSITIC, BARS FOR GENERAL PURPOSE	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
X20Cr13-EN 10088-3 (+QT700) (1.4021)	20H13-GOST 5632
X20Cr13-EN 10088-3 (+QT800) (1.4021)	20H13-GOST 5632
X30Cr13-EN 10088-3 (1.4028)	30H13-GOST 5632

Tab. 19

HEAT AND CREEP RESISTING, AUSTENITIC, BARS (Solution Annealed condition)	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
X15CrNiSi25-21-EN 10095 (1.4841)	20H25N20S2-GOST 5632

Tab. 20

CORROSION RESISTING, AUSTENITIC, WIRES FOR SPRINGS (Solution Annealed condition)	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
X10CrNi18-8-EN 10270-3 (1.4310)	15H17N7-GOST 14959

INFORMATIVE

Tab. 21

CORROSION RESISTING, AUSTENITIC, FORGED (Solution Annealed condition)	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
X5CrNi18-10-EN 10250-4 (1.4301)	08H18N10-GOST 5632

Tab. 22

CORROSION RESISTING, MARTENSITIC, FORGED (Quenched and Tempered condition)	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
X20Cr13-EN 10250-4 (1.4021)	20H13-GOST 5632

Tab. 23

CORROSION RESISTING CASTINGS , AUSTENITIC (Quenched and Tempered condition)	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
GX5CrNi19-10-EN 10283 (1.4308)	10H18N9L-GOST 977

Tab. 24

CORROSION RESISTING CASTINGS , MARTENSITIC (Quenched and Tempered condition)	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
GX20Cr14-SEW 410 (1.4027)	20H13L-GOST 977
GX23CrMoV12-1-EN 10293 (1.4931)	20H12VNMFL-GOST 977

Tab. 25

HEAT RESISTING CASTINGS , AUSTENITIC (as cast condition)	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
GX25CrNiSi18-9-EN 10295 (1.4825)	20H20N14S2L-GOST 977
GX25CrNiSi20-14-EN 10295 (1.4832)	
GX40CrNiSi22-10-EN 10295 (1.4826)	40H24N12SL-GOST 977
GX40CrNiSi25-12-EN 10295 (1.4837)	

INFORMATIVE

1.4 GENERAL PURPOSE STEEL CASTINGS

Tab. 26

NON ALLOY STEEL CASTINGS (Normalized condition)	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
GE240-EN 10293 (1.0446)	25L- GOST 977
GE300-EN 10293 (1.0558)	45L GOST 977

1.5 CAST IRONS

Tab. 27

FLAKE GRAPHITE CAST IRONS (as cast condition)	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
EN-GJL-200-EN 1561	SCh20-GOST 1412
EN-GJL-250-EN 1561	SCh25-GOST 1412
EN-GJL-300-EN 1561	SCh30-GOST 1412

Tab. 28

SPHEROIDAL GRAPHITE CAST IRONS (As cast condition)	
EUROPEAN MATERIAL	RUSSIAN ALTERNATIVE MATERIAL
NAME-STANDARD (W.nr.)	NAME-STANDARD
EN-GJS-350-22-EN 1563	VCh35-GOST 7293
EN-GJS-400-15-EN 1563	VCh40-GOST 7293
EN-GJS-500-7-EN 1563	VCh50-GOST 7293
EN-GJS-600-3-EN 1563	VCh60-GOST 7293
EN-GJS-700-2-EN 1563	VCh70-GOST 7293
EN-GJS-800-2-EN 1563	VCh80-GOST 7293