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UNSIDER	ECISS	CEN	ISO
2^a SC Metodi di analisi chimiche e chimico-fisiche dei materiali ferrosi	GL 1 Minerali ferrosi e relative analisi chimiche e fisiche	TC 20 Methods of chemical analysis of ferrous products	TC 102/SC1 Iron ores and direct reduced iron. Sampling TC 102/SC2 Iron ores and direct reduced iron. Chemical analysis TC 102/SC 3 Iron ores and direct reduced iron. Physical testing
	GL 2 Ferroleghie e relative analisi chimiche e fisiche	TC 20 Methods of chemical analysis of ferrous products	TC 132 Ferroalloys
	GL 3 Analisi chimiche degli acciai e delle ghise	TC 20 Methods of chemical analysis of ferrous products	TC 17/SC 1 Steel. Methods of determination of chemical composition
3^a SC Metodi di prova dei metalli ferrosi (*)	GL 1 Prove metallografiche (escluso rivestimenti e corrosione)	TC 2 Steel – Physico-chemical and non-destructive testing	TC 17/SC 7 Steel. Methods of testing (other than mechanical tests and chemical analysis)
	GL 2 Prove fisiche e fisico-chimiche	TC 2 Steel - Physico-chemical and non-destructive testing	TC 17/SC 7 Steel. Methods of testing (other than mechanical tests and chemical analysis)
	GL 3 Prove sui rivestimenti e prove di corrosione (compresa metallografia) (**) (***)	TC 2 Steel - Physico-chemical and non-destructive testing	TC 17/SC 7 Steel. Methods of testing (other than mechanical tests and chemical analysis)
	GL 4 Controlli non distruttivi (***)	TC 2 Steel - Physico-chemical and non-destructive testing	

(*) Escluso analisi chimiche, prove meccaniche, prove magnetiche, prove sui prodotti per c.a. e c.a.p., sui fucinati, sui refrattari, sui materiali ferroviari.

(**) Escluso prodotti piani, tubi e raccordi di acciaio e ghisa, fili – Compresse prove n.d. sui rivestimenti.

(***) Escluso getti, tubi di acciaio e ghisa malleabile, rivestimenti.

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6^a SC Fonderia (escluso: fucinati, forgiati, tubi di ghisa, raccordi e flange)		CEN/TC 190 Foundry technology		
	GL 1 Ghise gregge e leghe	TC 5 Definition, classification and conventional designation of pig iron and ferroalloys	TC 25/SC 4 Cast iron and pig iron. Pig iron	
	GL 2 Getti di acciaio (escluso: fucinati, forgiati, tubi di ghisa, raccordi e flange)	TC 31 Steel castings	TC 17/SC 11 Steel. Steel castings	
	GL 3 Getti di ghisa (escluso: fucinati, forgiati, tubi di ghisa, raccordi e flange)		CEN/TC 190/WG 1 Foundry technology. <i>Technical condition of delivery</i> CEN/TC 190/WG 2 Foundry technology. <i>Cast iron -Designations and special technical delivery conditions</i> CEN/TC 190/WG 5 Foundry technology. Grey cast iron CEN/TC 190/WG 6 Foundry technology. Malleable cast iron CEN/TC 190/WG 7 Foundry technology. Spheroidal graphite and austempered ductile iron CEN/TC 190/WG 8 Foundry technology. Wear resistant and abrasion resistant cast iron	TC 25/SC 1 Cast iron and pig iron. Malleable cast iron TC 25/SC 2 Cast iron and pig iron. Spheroidal graphite, ferritic-perlitic and austenitic cast iron  TC 25/SC 3 Cast iron and pig iron. Grey cast iron (Revision ISO/R 185)
	GL 4 Attrezzi, prodotti ausiliari e sicurezza		TC 202 Foundry machinery TC 190/WG 4 Foundry technology. <i>Production equipment's, tools, foundry auxiliaries (e.g. patterns permanent modules, moulding materials) To prepare material standard(s) for malleable cast irons, decarburized and not decarburized with temper carbon modules</i>	
	GL 5 Prove non distruttive dei getti		CEN/TC 190/WG 10 Foundry technology. Inner defects CEN/TC 190/WG 11 Foundry technology. Surface inspection	TC 17/SC11 Steel. Steel castings

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7 ^a SC Prodotti piani	GL 1 Prodotti piani a caldo in generale e per impieghi strutturali (a caldo o freddo) (non rivestiti) (compreso uso navale)	TC 10 Structural steel – Grades and qualities TC 10/SC 4 Structural steel – Grades and qualities. Sheet piling TC 12 Structural steels and steels for pressure purposes, flat products – Dimensions and tolerances		TC 17/SC 3 Steel. Steel for structural purposes
	GL 2 Prodotti piani per caldaie e apparecchi a pressione e resistenti al calore (non rivestiti)	TC 12 Structural steels and steels for pressure purposes, flat products – Dimensions and tolerances TC 22 Steels for pressure purposes – Qualities		TC 17/SC 10 Steel. Steel for pressure purposes
	GL 3 Prodotti piani di acciaio inossidabile	TC 22 Steels for pressure purposes - Qualities TC 23/SC 1 Steels for heat treatment, alloy steels and free cutting steels - Qualities. Stainless steels		TC 17/SC 10 Steel. Steel for pressure purposes TC 17/SC 4 Steel. Heat treatable and alloy steels TC 17/SC 12 Steel. Continuous mill flat rolled products
	GL 4 Prodotti piani rivestiti	TC 27 Surface coated flat products - Qualities, dimensions, tolerances and specific tests TC 27/SC1 Surface coated flat products - Qualities, dimensions, tolerances and specific tests – Continuously organic coated (coil coated) steel flat products		TC 17/SC 12 Steel. Continuous mill flat rolled products
	GL 5 Prodotti piani per laminazione o formatura a freddo e laminati a freddo (non rivestiti)	TC 13 Flat products for cold working – Qualities, dimensions, tolerances and specific tests		TC 17/SC 12 Steel. Continuous mill flat rolled products
	GL 7 Banda nera stagnata cromata ecc.	TC 26 Tinmille products – Qualities, dimensions, tolerances and specific tests		TC 17/SC 9 Steel. Tinplate and blackplate
	GL 8 Prodotti piani per impieghi meccanici e da trattamento termico (escluso magnetici)	TC 23 Steels for heat treatment, alloy steels and free cutting steels – Qualities		TC 17/SC 4 Steel. Heat treatable and alloy steels

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8^aSC Definizione, classificazione requisiti generali di fornitura e assicurazione della qualità (Norme generali)	GL 1 Terminologia , classificazione, designazione, e documentazione (Norme generali)	TC 6 Steels - Definition and classification TC 7 Conventional designation of steel ↶		
	GL 2 Condizioni generali di fornitura e assicurazione della qualità	TC 9 Technical conditions of delivery and quality control		TC 17/SC 20 Steel .General technical delivery conditions, sampling and mechanical testing methods
9^a SC Prodotti lunghi laminati e vergella di qualità	GL 1 Prodotti in barre, profilati e travi (compreso uso navale)	TC 10 Structural steel – Grades and qualities TC 11 Structural steel sections and hot rolled steel bars for engineering use – Dimensions and tolerances		TC 17/SC 3 Steel . Steel for structural purposes TC 17/SC 8 Steel . Dimensions and tolerances of structural steel sections and bars
	GL 3 Vergella di qualità e per lavorazioni a caldo e/o a freddo	TC 15 Wire -rod - Qualities, dimensions, tolerances and specific tests ↶ 15 + 23 + 30/JWG Special rod for cold forming ↶		TC 17/SC 17 Steel . Steel wire rod and wire products
10^a SC Prodotti lunghi laminati e vergella speciali	GL 1 Prodotti in barre e vergella di acciaio da trattamento termico, per impieghi a pressione, resistenti al calore, acciai automatici, acciai per bulloneria e molle	TC 23 Steels for heat treatment, alloy steels and free cutting steels – Qualities and dimensions TC 22 Steels for pressure purposes – Qualities		TC 17/SC 4 Steel . Heat treatable and alloy steels TC 17/SC 10 Steel . Steel for pressure purposes
	GL 2 Prodotti in barre e vergella di acciaio inossidabile e per valvole, utensili, rapidi, cuscinetti	TC 23 Steels for heat treatment, alloy steels and free cutting steels – Qualities and dimensions TC 23/SC 1 Steels for heat treatment, alloy steels and free cutting steels – Qualities and dimensions . Stainless steels TC 22 Steels for pressure purposes – Qualities		TC 17/SC 4 Steel . Heat treatable and alloy steels

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11 ^a SC Derivati da prodotti in barre e da vergella	GL 1 Prodotti finiti a freddo trafilati pelati, rullati o rettificati	TC 23 Steels for heat treatment, alloy steels and free cutting steels – Qualities and dimensions	TC 17/SC 4 Steel . Heat treatable and alloy steels	
	GL 2 Fili per funi, conduttori, trefoli e accessori (compreso installazioni per il trasporto di persone) e rivestimenti relativi	TC 30 Steels wire TC 30/SC 1 Steels wire - Wire coatings	TC 242/WG 3 Safety requirements for passenger transportation by rope. Ropes ↖ TC 168/WG 2 Chains, ropes, webbing, sling and accessories - Safety. Steel wire ropes, their terminations and wire rope slings	TC 105 Steel wire ropes
	GL 3 Fili e prodotti diversi di seconda lavorazione (anche rivestiti)	TC 30 Steels wire TC 30/SC 1 Steels wire - Wire coatings	TC 168/WG 2 Chains, ropes, webbing, sling and accessories - Safety. Steel wire ropes, their terminations and wire rope slings	TC 17/SC 17 Steel . Steel wire rod and wire products
	GL 4 Filo di acciaio inossidabile	TC 23/SC 1 Steels for heat treatment, alloy steels and free cutting steels - Qualities. Stainless steel TC 30 Steels wire TC 30/SC 1 Steels wire - Wire coatings		TC 17/SC 17 Steel . Steel wire rod and wire products
	GMC (SC 11- SC 12) Unsider/Unicemento Fibre di acciaio		TC 104/WG 11 Fibres for concrete	
	GMM (SC 11 - SC 7-9-10) Acciai per molle	TC 23 Steels for heat treatment, alloy steels and free cutting steels – Qualities and dimensions TC 30/SC 2 Steels wire – Steel wire for springs		TC 17/SC 4 Steel . Heat treatable and alloy steels TC 17/SC 17 Steel . Steel wire rod and wire products

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12 ^a SC Prodotti di acciaio per cemento armato e per cemento armato precompresso e relative prove	GL 1 Acciaio per cemento armato	TC 19/SC 1 Concrete reinforcing steel - Qualities, dimensions and tolerances. Reinforcing steel not for prestressing ↶		TC 17/SC 16 Steel. Steels for the reinforcement and pre-stressing of concrete
	GL 2 Acciaio per cemento armato precompresso	TC 19/SC 2 Concrete reinforcing steel - Qualities, dimensions and tolerances. Pre-stressing steel		TC 17/SC 16 Steel. Steels for the reinforcement and pre-stressing of concrete
	GL 4 Giunzioni, manicotti per barre per cemento armato			TC 17/SC 16 Steel. Steels for the reinforcement and pre-stressing of concrete
	GL 5 Acciaio inossidabile per cemento armato	TC 19/SC 1 Concrete reinforcing steel - Qualities, dimensions and tolerances. Reinforcing steel not for prestressing ↶ TC 19/SC 2 Concrete reinforcing steel - Qualities, dimensions and tolerances. Pre-stressing steel		TC 17/SC 16 Steel. Steels for the reinforcement and pre-stressing of concrete
13 ^a SC Prodotti fucinati e stampati a caldo (escluso uso ferroviario e ferrotranviario) e relative prove		TC 28 Steel forgings TC 28/SC 1 Steel forgings. Drop forgings		TC 17/SC 4 Steel . Heat treatable and alloy steels TC 17/SC 10 Steel. Steel for pressure purposes
14 ^a SC Tubi di acciaio e relativi raccordi e flange in acciaio e ghisa malleabile esclusi quelli per impieghi petroliferi		TC 29 Steel tubes and fittings for steel tubes ↶		TC 5 Ferrous metal pipes and metallic fittings
	GL 1 Tubazioni per apparecchi a pressione e resistenti al calore	TC 29/SC 1 Steel tubes and fittings for steel tubes. Tubes for pressure purposes ↶		TC 17/SC 19 Steel. Technical delivery conditions for steel tubes for pressure purposes ↶
	GL 2 Flange metalliche di acciaio e ghisa malleabile e loro assemblaggio		TC 74 Flanges and their joints	TC 5/SC 10 Ferrous metal pipes and metallic fittings. Metallic flanges and their joints

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14 ^a SC Tubi di acciaio e relativi raccordi e flange in acciaio e ghisa malleabile esclusi quelli per impieghi petroliferi	GL 3 Tubazioni per condotte d'acqua e gas e scarichi e idrotermosanitari	TC 29/SC 5 Steel tubes and fittings for steel tubes. Tube for the conveyance of aqueous liquids TC 29/SC 6 Steel tubes and fittings for steel tubes. Tube threads and service tubes ↶	TC 5/SC 1 Ferrous metal pipes and metallic fittings. Steel tubes	
	GL 4 Controlli non distruttivi delle tubazioni e relativa raccorderia	TC 29/SC 10 Steel tubes and fittings for steel tubes. Non-destructive testing ↶	TC 17/SC 19/WG 1 Steel. Technical delivery conditions for steel tubes for pressure purposes. Non-destructive testing	
	GL 5 Corrosione, rivestimenti dei prodotti tubolari e relativa raccorderia	TC 29/SC 4 Steel tubes and fittings for steel tubes. Coatings	TC 5/SC 1/WG 4 Ferrous metal pipes and metallic fittings. Steel tubes. Coating of tubular products	
	GL 6 Tubazioni metalliche flessibili		TC 342 Flexible metallic hoses, hose assemblies, bellow and expansion joints ↶	TC 5/SC 11 Ferrous metal pipes and metallic fittings. Flexible metallic hoses and expansion joints
	GL 7 Tubazioni per teleriscaldamento interrate		TC 107 Pre-fabricated district heating pipe system	
	GL 8 Tubazioni per impieghi strutturali	TC 10 Structural steels - Qualities TC 10/SC 1 Structural steels - Qualities. Structural steels - Hollow sections		TC 5/SC 1/WG 18 Ferrous metal pipes and metallic fittings. Steel tubes. Joint TC 5-TC 17 WG : Structural hollow sections TC 17/SC 3 Steel. Steel for structural purposes
	GL 9 Tubazioni industriali		TC 267 Industrial piping and pipeline	
	GL 10 Tubazioni per impieghi meccanici	TC 29/SC 11 Steel tubes and fittings for steel tubes. Tubes for mechanical and general engineering purposes		TC 5/SC 1 Ferrous metal pipes and metallic fittings. Steel tubes
GL 11 Raccordi di acciaio e ghisa malleabile e loro assemblaggio	TC 29/SC 3 Steel tubes and fittings for steel tubes. Fittings		TC 5/SC 5 Ferrous metal pipes and metallic fittings. Threaded or plain and butt-welding fittings, threads, gauging of threads	

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14 ^a SC Tubi di acciaio e relativi raccordi e flange in acciaio e ghisa malleabile esclusi quelli per impieghi petroliferi	GL 12 Dimensioni e terminologia definizioni e varie	TC 29/SC 8 Steel tubes and fittings for steel tubes. Dimensions and tolerances		
	GL 13 Tubazioni e relativi raccordi di acciaio inossidabile	<p>TC 29/SC 1 Steel tubes and fittings for steel tubes. Tubes for pressure purposes ↩</p> <p>TC 29/SC 3 Steel tubes and fittings for steel tubes. Fittings</p> <p>TC 29/SC 5 Steel tubes and fittings for steel tubes. Tube for the conveyance of aqueous liquids</p> <p>TC 29/SC 6 Steel tubes and fittings for steel tubes. Tube threads and service tubes ↩</p> <p>TC 29/SC 11 Steel tubes and fittings for steel tubes. Tubes for mechanical and general engineering purposes</p>	<p>TC 74 Flanges and their joints</p> <p>TC 267 Industrial piping and pipeline</p> <p>TC 342 Flexible metallic hoses, hose assemblies, bellow and expansion joints ↩</p>	<p>TC 5/SC 1 Ferrous metal pipes and metallic fittings. Steel tubes</p> <p>TC 5/SC 5 Ferrous metal pipes and metallic fittings. Threaded or plain and butt-welding fittings, threads, gauging of threads</p> <p>TC 5/SC 10 Ferrous metal pipes and metallic fittings. Metallic flanges and their joi</p> <p>TC 5/SC 11 Ferrous metal pipes and metallic fittings. Flexible metallic hoses and expansion joints</p> <p>TC 17/SC 19 Steel. Technical delivery conditions for steel tubes for pressure purposes ↩</p>
15 ^a SC Tubi di ghisa e relativi raccordi (compresi rivestimenti)			TC 203 Cast iron pipes, fittings and their joints	TC 5/SC 2 Ferrous metal pipes and metallic fittings. Cast iron pipes, fittings and their joints
16 ^a SC Materiali refrattari e relative prove			TC 187 Refractory products and materials	TC 33 Refractors

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17^a SC Materiale, equipaggiamento e strutture in mare per le industrie del petrolio e del gas naturale e petrolchimiche		TC 12 Materials, equipment and offshore structures for petroleum and natural gas industries	TC 67 Materials, equipment and offshore structures for petroleum, petrolchemical and natural gas industries	
	GL 1 Tubi e raccordi per condotte e trasporto del petrolio e del gas naturale	TC 29/SC 2 Steel tubes and fittings for steel tubes. Line pipe TC 29/SC 3 Steel tubes and fittings for steel tubes. Fittings		TC 5/SC 1 Ferrous metal pipes and metallic fittings. Steel tubes TC 5/SC 5 Ferrous metal pipes and metallic fittings. Threaded or plain and butt-welding fittings, threads, gauging of threads TC 67/SC 2 Materials, equipment and offshore structures for petroleum, petrolchemical and natural gas industries. Pipeline transportation systems ISO/TC 67/WG 2 Petroleum, petrochemical and natural gas industries – Conformity assessment
	GL 2 Tubi per rivestimento pozzi petroliferi, tubi di produzione e aste di perforazione			TC 67/SC 5 Materials, equipment and offshore structures for petroleum, and petrolchemical and natural gas industries. Casing, tubing and drill pipe ↩
	GL 3 Equipaggiamento per la perforazione, l'estrazione, la produzione e relativi sistemi di processo a terra e in mare			TC 67/SC 4 Materials, equipment and offshore structures for petroleum, petrolchemical and natural gas industries. Drilling and production equipment TC 67/SC 6 Materials, equipment and offshore structures for petroleum, petrolchemical and natural gas industries. Processing equipment and system
	GL 5 Fluidi e cementi per pozzi petroliferi			TC 67/SC 3 Materials, equipment and offshore structures for petroleum, petrolchemical and natural gas industries. Drilling and completion fluids, and well cements
	GL 6 Progettazione, costruzione, installazione ed esercizio delle strutture in mare			TC 67/SC 7 Materials, equipment and offshore structures for petroleum, petrolchemical and natural gas industries. Offshore structures

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17 ^a SC Materiale, equipaggiamento e strutture in mare per le industrie del petrolio e del gas naturale e petrolchimiche	GL misto delle SC 7-9-17 Acciai per strutture in mare			TC 17/SC 3 Steel. Steel for structural purposes
18 ^a SC Trattamenti termici		TC 21 Vocabulary of heat treatment terms		
Sotto Commissioni miste Sotto Commissioni miste	(SCM1) CEI - UNSIDER Prodotti magnetici di acciaio e relative prove specifiche	TC 24 Electrical steel sheet and strip qualities - Qualities, dimensions, tolerances and specific tests		TC 17/WG 16 Steel. <i>Magnetic steels</i> (IEC/TC 68 Magnetic alloy and steels)
	(SCM2) UNIFER - UNSIDER Acciai per rotaie ferrotranviarie e tranviarie e relative prove			
	(SCM3) UNIFER - UNSIDER Condizioni tecniche di fornitura dei principali prodotti siderurgici finiti per materiale rotabile ferrotranviario e relative prove			
	(SCM4) UNIMET - UNSIDER Metodi di prove meccaniche dei materiali metallici	TC 1 Steel - Mechanical testing TC 9 Technical conditions of delivery and quality control TC 29/SC 9 Steel tubes and fittings of steel tubes. Mechanical testing of tubes		TC 17/SC 20 Steel. General technical delivery conditions, sampling and mechanical testing methods TC 164 Mechanical testing of metals SC 1 Uniaxial testing SC 2 Ductility testing SC 3 Hardness testing SC 4 Toughness testing – Fracture (F), Pendulum (P), Tear (T) SC 5 Fatigue testing

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