PRODUCT INFORMATION

OCEVRON Product Range

A coordinated supply reference for industrial project procurement, covering piping materials, flow control, isolation, fire protection and fabricated packages.



PROJECT MATERIALS

Technical review
Qualified sourcing
Documentation
Delivery

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Eight connected supply categories

Steel pipes; pipe fittings; flanges; valves; isolation joints; fire protection; pipe spool fabrication; coating and lining.

One reviewable material package

Requirements are reviewed by size, grade, standard, inspection obligation and delivery priority. The following tables retain the website scope and distinguish standard products from drawing-based enquiries.

Pipe

Steel pipe supply range for industrial project procurement.

Scope item	Published supply range / references
Size	1/2" to 60" NB; Larger sizes can be reviewed according to project drawings and specifications
Thickness	All standard schedules; Intermediate and heavy wall also available
Type	Seamless and welded pipes
Dimensional Standard	ASME B36.10; ASME B36.19; API 5L / API 5LC line pipe
Carbon and Low Alloy	ASTM A106 Gr. B / C; API 5L Gr. B; ASTM A333 Gr. 6; ASTM A333 Gr. 3
High Yield	API 5L X42; API 5L X52; API 5L X60; API 5L X65; API 5L X70
Chromium Molybdenum	ASTM A335 P5; ASTM A335 P9; ASTM A335 P11; ASTM A335 P22; ASTM A335 P91; ASTM A335 P92
Austenitic Stainless Steel	ASTM A312 / A358 TP304, TP304H, TP304L; ASTM A312 / A358 TP316, TP316H, TP316L; ASTM A312 / A358 TP321, TP321H; ASTM A312 / A358 TP347, TP347H; ASTM A312 / A358 UNS S31254
Ferritic-Austenitic Steel	ASTM A790 UNS S31803; ASTM A790 UNS S32750 / S32760; ASTM A928 UNS S31803; ASTM A928 UNS S32750 / S32760
Nickel Alloy	ASTM B444 UNS N06625; ASTM B423 UNS N08825; ASTM B407 UNS N08800; ASTM B407 UNS N08810 / N08811
Copper Nickel	EEMUA 234; UNS C70600 - 90/10 Copper Nickel; UNS C71500 - 70/30 Copper Nickel

Wall thickness, manufacturing route and supplementary testing are selected against the project specification. Dimensional references and material product specifications have different purposes.

Fittings

Pipe fittings supply range for industrial piping systems.

Scope item	Published supply range / references
Size	1/2" to 60" NB; Larger sizes can be reviewed according to project drawings and specifications
Thickness	All standard schedules; Intermediate and heavy wall also available
Type	Seamless and welded fittings; 45 and 90 degree long radius elbows; 90 degree short radius elbows; Equal and reducing tees; Concentric and eccentric reducers; Caps
Specials	Bends, barred tees, sphere tees, laterals, stub ends
Dimensional Standard	ASME B16.9; MSS SP-75; ASME B16.49 for induction bends
Carbon and Low Alloy	ASTM A234 WPB / WPC; ASTM A420 WPL6; ASTM A420 WPL3
High Yield	ASTM A860 WPHY42; ASTM A860 WPHY52; ASTM A860 WPHY60; ASTM A860 WPHY65; ASTM A860 WPHY70
Chromium Molybdenum	ASTM A234 WP5; ASTM A234 WP9; ASTM A234 WP11; ASTM A234 WP22; ASTM A234 WP91; ASTM A234 WP92
Austenitic Stainless Steel	ASTM A403 WP304, WP304H, WP304L; ASTM A403 WP316, WP316H, WP316L; ASTM A403 WP321, WP321H; ASTM A403 WP347, WP347H; ASTM A403 / UNS S31254 (product designation to be confirmed)
Ferritic-Austenitic Steel	ASTM A815 UNS S31803; ASTM A815 UNS S32750 / S32760
Nickel Alloy	ASTM B366; UNS N06625; UNS N08825; UNS N08800; UNS N08810 / N08811
Copper Nickel	EEMUA 234; UNS C70600 - 90/10 Copper Nickel; UNS C71500 - 70/30 Copper Nickel

Confirm fitting manufacturing class, schedule, end preparation and any drawing-based specials. Listed pipe and fitting materials are not automatically equivalent.

Flange

Flange supply range for industrial project procurement.

Scope item	Published supply range / references
Size	1/2" to 60" NB; Larger sizes can be reviewed according to project drawings and specifications
Thickness	Standard flange dimensions and project-specific requirements
Type	Weld neck, blind, socket weld, threaded, lap joint, slip-on
Specials	Anchor, compact, orifice, bulkhead, swivel ring, misalignment, spectacle blinds, spades, spacers, bleed rings and drip rings
Pressure Rating	ASME Flanges:; Class 150; Class 300; Class 600; Class 900; Class 1500; Class 2500; API 6A Wellhead Flanges:; 2,000 psi; 3,000 psi; 5,000 psi; 10,000 psi; 15,000 psi; 20,000 psi
Dimensional Standard	ASME B16.5; ASME B16.36; ASME B16.47 Series A and Series B; API 6A for wellhead flanges; NORSOK L-005 for compact flanges
Carbon and Low Alloy	ASTM A105; ASTM A350 LF2; ASTM A350 LF3
High Yield	ASTM A694 F42; ASTM A694 F52; ASTM A694 F60; ASTM A694 F65; ASTM A694 F70
Chromium Molybdenum	ASTM A182 F5; ASTM A182 F9; ASTM A182 F11; ASTM A182 F22; ASTM A182 F91; ASTM A182 F92
Austenitic Stainless Steel	ASTM A182 F304, F304H, F304L; ASTM A182 F316, F316H, F316L; ASTM A182 F321, F321H; ASTM A182 F347, F347H; ASTM A182 F44
Ferritic-Austenitic Steel	ASTM A182 UNS S31803; ASTM A182 UNS S32750 / S32760
Nickel Alloy	UNS N06625; UNS N08825; UNS N08800; UNS N08810 / N08811
Copper Nickel	EEMUA 234; UNS C70600 - 90/10 Copper Nickel; UNS C71500 - 70/30 Copper Nickel

ASME piping flanges and API 6A wellhead flanges are separate connection systems. Confirm the size / class combination, finished flange material specification, facing and mating dimensions.

Valve

Valve supply range for industrial project procurement.

Scope item	Published supply range / references
Size	1/2" to 60" NB; Larger sizes or drawing-based supply available
Pressure Rating	ASME Class 150 to 2500; PN10 to PN420; JIS 10K to 63K
Type	Gate Valve; Globe Valve; Ball Valve; Check Valve; Butterfly Valve; Plug Valve; Knife Gate Valve; Needle Valve
Specials	Bellows Seal Valve; Cryogenic Valve; Jacketed Valve; Metal Seated Valve; Fire Safe Valve
End Connection	RF; RTJ; BW; SW; Threaded; Wafer; Lug
Operation	Manual; Gear Operated; Pneumatic Actuated; Electric Actuated; Hydraulic Actuated
Design Standard	Gate Valves:; API 600; API 602; API 603; Globe Valves:; API 602; API 623; Ball Valves:; API 6D; API 608; ISO 17292; Check Valves:; API 594; API 6D; Butterfly Valves:; API 609; General Valve Requirements:; ASME B16.34
Testing Standard	API 598; API 6D, where applicable; ISO 5208; MSS SP-61
Carbon and Low Alloy	ASTM A216 WCB; ASTM A352 LCB; ASTM A352 LCC
Chromium Molybdenum	ASTM A217 WC6; ASTM A217 WC9; ASTM A217 C5; ASTM A217 C12
Austenitic Stainless Steel	ASTM A351 CF8; ASTM A351 CF8M; ASTM A351 CF3; ASTM A351 CF3M
Ferritic-Austenitic Steel	ASTM A890 Grade 4A; ASTM A890 Grade 5A; ASTM A890 Grade 6A
Nickel Alloy	Monel 400; Monel K500; Inconel 625; Incoloy 825; Hastelloy C276; Alloy 20
Applications	Oil & Gas; Pipeline; Refinery; Petrochemical; Chemical Plant; Power Plant; Water Treatment; LNG; Offshore

Size and rating availability varies by valve type and construction. Specify body, trim, seats, seals, testing and actuation separately. Wellhead valves, control valves and safety relief valves require separate technical review.

Isolation Joints

Isolation joint supply range for pipeline and cathodic protection systems.

Scope item	Published supply range / references
Size	1/2" to 60" NB; Larger sizes or drawing-based supply available
Pressure Rating	ASME Class 150 to 2500; PN10 to PN420
Type	Monolithic Isolation Joint (MIJ); Insulating Flanged Joint (IFJ)
Service Arrangement	Buried Pipeline Service; Above-Ground Pipeline Service; Pipeline Transition Locations; Cathodic Protection Systems
End Connection	Monolithic Isolation Joint:; Butt-Weld Ends; Insulating Flanged Joint:; RF Flanged; RTJ Flanged; Customized ends available according to project drawings.
Coating	FBE Coating; 2LPE; 3LPE; 3LPP; Liquid Epoxy; Polyurethane Coating
Applicable Codes and References	Governing Pipeline Code:; ASME B31.4; ASME B31.8; Flanged Connections:; ASME B16.5; ASME B16.47; Pipe Ends and Transition Sections:; API 5L; Electrical Isolation:; AMPP / NACE SP0286; External Coating:; Applicable ISO 21809 Part; Purchaser Datasheet and Project Specifications
Testing Standard	Hydrostatic Test; Electrical Resistance Test; Holiday Test; Dielectric Strength Test; Insulation Resistance Test
Carbon and Low Alloy	ASTM A105; ASTM A694 F52; ASTM A694 F60; ASTM A694 F65; ASTM A694 F70
High Yield	API 5L X42; API 5L X52; API 5L X60; API 5L X65; API 5L X70
Chromium Molybdenum	ASTM A182 F11; ASTM A182 F22; ASTM A182 F91
Austenitic Stainless Steel	ASTM A182 F304; ASTM A182 F304L; ASTM A182 F316; ASTM A182 F316L
Ferritic-Austenitic Steel	ASTM A182 UNS S31803; ASTM A182 UNS S32750; ASTM A182 UNS S32760
Nickel Alloy	ASTM B564 UNS N06625; ASTM B564 UNS N08825; ASTM B564 UNS N10276
Applications	Oil & Gas Pipelines; Transmission Pipelines; Refineries; Petrochemical Plants; LNG Facilities; Water Transmission Systems; Cathodic Protection Systems

Verify the governing pipeline code, purchaser datasheet, connected pipe grade, installation environment and required electrical isolation tests. Flanged and monolithic arrangements have different interfaces.

Fire Protection

Fire protection material supply range for industrial facilities.

Scope item	Published supply range / references
Size	1/2" to 60" NB; Larger sizes or project-specific supply available
Type	Fire Protection Pipes; Grooved Pipe Fittings; OS&Y Gate Valves; Butterfly Valves; Check Valves; Alarm Check Valves; Fire Hydrants; Landing Valves; Sprinklers; Fire Hose Reels; Fire Monitors
Specials	UL Listed Products; FM Approved Products; Pre-Grooved Systems; Grooved Piping Systems; Project-Based Fire Protection Packages
Pressure Rating	ASME Class 150 to 300; PN10 to PN25; Working Pressure up to 300 PSI
End Connection	Grooved; Flanged; Threaded; Butt Weld; Socket Weld
Design Standard	Sprinkler Systems:; NFPA 13; Standpipe and Hose Systems:; NFPA 14; Underground Fire Service Mains:; NFPA 24; AWWA Standards, where applicable; Project Specifications
Inspection and Testing	Hydrostatic Test; Pressure Test; Coating Inspection; Visual Inspection; Factory Acceptance Test
Carbon and Low Alloy	ASTM A53; ASTM A795; ASTM A135, where applicable; ASTM A234 WPB; ASTM A105
Austenitic Stainless Steel	ASTM A312 TP304/L; ASTM A312 TP316/L; ASTM A403 WP304/L; ASTM A403 WP316/L
External Coating / Finish	Red Epoxy Paint; Hot-Dip Galvanizing; FBE; Project-Specified Coating
Product Certification	UL Listed; FM Approved; Third-Party Inspection Available
Applications	Industrial Fire Protection Systems; Oil & Gas Facilities; Refineries; Petrochemical Plants; LNG Terminals; Power Plants; Marine & Offshore; Commercial & Industrial Buildings

UL / FM status is manufacturer- and model-specific. Confirm product listing / approval and working pressure for each offered item. NFPA references depend on actual system scope.

Pipe Spool Fabrication

Pipe spool fabrication range for prefabricated piping supply.

Scope item	Published supply range / references
Size	1/2" to 120" NB; Larger sizes or drawing-based fabrication available
Wall Thickness	All Standard Schedules; Heavy-wall and project-specific thickness available
Type	Pipe Spools; Module Piping; Pipe Assemblies; Skid Piping; Prefabricated Piping Systems
Fabrication Scope	Cutting; Beveling; Fit-Up; Welding; Heat Treatment; Assembly; Marking; Packing
End Connection	Butt Weld; Socket Weld; Threaded; Flanged; Grooved
Fabrication Standard	Process and Power Piping:; ASME B31.3; ASME B31.1; Welding Qualification:; ASME Section IX; Structural Components, where applicable:; AWS D1.1; Project Specifications
Welding Documentation	WPS; PQR; WPQ / Welder Qualification; Weld Map; Weld Traceability
Inspection & Testing	VT; PT; MT; RT; UT; PMI; Hydrostatic Test; Pneumatic Test
Dimensional Control	Spool Length; Flange Orientation; Branch Position; Angular Alignment; Fit-Up Tolerance
Carbon and Low Alloy	ASTM A106; ASTM A53; API 5L
High Yield	API 5L X42; API 5L X52; API 5L X60; API 5L X65; API 5L X70
Chromium Molybdenum	ASTM A335 P5; ASTM A335 P9; ASTM A335 P11; ASTM A335 P22; ASTM A335 P91
Austenitic Stainless Steel	ASTM A312 TP304/L; ASTM A312 TP316/L; ASTM A312 TP321; ASTM A312 TP347
Ferritic-Austenitic Steel	ASTM A790 UNS S31803; ASTM A790 UNS S32750; ASTM A790 UNS S32760
Nickel Alloy	ASTM B444 UNS N06625; ASTM B423 UNS N08825; ASTM B407 UNS N08800
Surface Protection	Hot-Dip Galvanizing; FBE; Painting; Internal Epoxy Coating; Pickling and Passivation
Applications	Oil & Gas; Refinery; Petrochemical; LNG; Power Plant; Water Treatment; Industrial Facilities

Use approved isometrics, the piping code, qualified welding procedures and an agreed ITP. AWS D1.1 applies only to included structural components. All spool materials and welding consumables must be compatible.

Coating & Lining

Coating and lining range for pipes and related components.

Scope item	Published supply range / references
Size	1/2" to 120" NB; Larger sizes or project-specific coating available
External Coating	External Organic Coating Systems:; FBE; 2LPE; 3LPE; 3LPP; Liquid Epoxy; Polyurethane; Metallic Protection:; Hot-Dip Galvanizing
Internal Lining	Liquid Epoxy Lining; Fusion Bonded Epoxy Lining; Cement Mortar Lining; Glass Flake Lining; Rubber Lining; PTFE Lining
Applicable Products	Pipes; Pipe Fittings; Flanges; Valves; Pipe Spools; Field Joints
Surface Preparation	Solvent Cleaning; Shot Blasting; Sand Blasting; Surface Profile Control; Dust and Salt Testing
Coating Standards	Applicable ISO 21809 Part, according to coating system; AWWA C210; AWWA C213; AWWA C214; NACE SP0394; Project Specifications
Inspection & Testing	DFT Measurement; Holiday Test; Adhesion Test; Impact Test; Bend Test; Peel Test; Visual Inspection
Repair System	Coating Repair Kit; Liquid Epoxy Repair; Heat-Shrink Sleeve; Field Joint Repair
Documentation	Coating Procedure; Product Data Sheet; Batch Certificate; Inspection Report; DFT Report; Holiday Test Report
Applicable Materials	Carbon Steel; Low-Temperature Carbon Steel; Alloy Steel; Stainless Steel; Duplex Stainless Steel
Applications	Oil & Gas Pipelines; Water Transmission; Refineries; Petrochemical Plants; LNG Facilities; Power Plants; Marine & Offshore

Confirm available size separately for each system, internal diameter and geometry. Select the applicable ISO 21809 part or other specified system standard. Galvanizing is a separate metallic protection process.

Procurement & documentation review

Confirm the actual product combination

Published endpoints describe the overall enquiry scope. They do not mean that every size, material, pressure rating and construction is available in every combination. Review the actual line item against drawings, BOQ, service conditions and the project specification.

Define the order basis

State the material specification and grade, standard edition, manufacturing route, dimensions, quantity, end connections, inspection scope, supplementary testing and documentation requirements.

Align release and delivery

Agree inspection hold / witness points, certificate type, traceability, preservation, packing, shipping marks and the required delivery sequence. Project-specific drawings, ITPs and data book requirements form part of the agreed order basis.

Discuss your requirement

Send the BOQ, drawings, material specification and required delivery date to info@ocevron.com.

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