

## REFERENCE LIST – SPECTACLE BLIND, SPADE & SPACERS, DRIP RING

DATE	CLIENT/ COUNTRY	PROJECT	PRODUCT TYPE	SIZE and RATING	Q.TY (pcs.)	MATERIAL	STANDARD
2015	JGC/GS/SKEC (KNPC)	KNPC CLEAN FUEL PROJECT	Spectacle Blind/Paddle Blind/Spacer Ring	From ¾ to 64" 150/300/600/900/1500/2500	4285	A516 GR70/A240 304/316/321/A387 GR11/A387 GR5/GR9/GR91/ A240 UNS S31803/ALLOY 20	SHELL + B16.48
2015	Tecnimont (TOTAL)	OT Corleto Peticara (IT) EPC-Tempa Rossa	Spectacle Blind/Paddle Blind/Spacer Ring/drip ring	from 1" to 48", series 150/300/600	3751	A105/A516GR70/825/F60/30 4/316/GR11	B16.48 + TOTAL DWG
2015	UTE TSGI	Aegean Refinery Project (ARP)	Spectacle Blind/Paddle Blind/Spacer Ring	from ¾" to 48", series 150/300/600	7383	A516 GR70/A387 GR11/GR22/GR5/A182 F9/F91/A240 GR316/304/321	B16.48 + B16.47/A
2015	Jgc (Saudi Aramco)/Singapore	Mogas Cogen Project	Spectacle Blind/Paddle Blind/Spacer Ring	from 1/2" to 24", series 150/300/600/1500	1.399	A105/F11/TP.304L/ 316L/F321	JGC dwg.
2015	Jgc (Saudi Aramco)/Saudi Arabia	Jazan Refinery And Terminal Project	Spectacle Blind/Paddle Blind/Spacer Ring	from ¾" to 38", series 150/300/600	1.958	A516 GR.70/TP.316L/F11 F22/TP.304L/321H/ MONEL400/C276	JGC dwg.
2015	Consorcio Technip-Techint (Petrobras)	P-76 FPSO (FLOATING PRODUCTION STORAGE AND OFFLOADING)	Spectacle Blind/Paddle Blind/Spacer Ring	From ½ to 30" series 150/300/600/900/1500/ 2500	978	A516 GR70+A240 GR316+ F55+F51+A522 TYPE 1+ CLADDING IN 625	B16.48 + B16.47/A + DWG
2015	Petrofac Saudi Arabia Co. Ltd (Saoc)/Saudi Arabia	North Tank Farm & Loading Arm Facilities – Jazan Refinery	Spectacle Blind/ Paddle Blind/Spacer Ring	from 1" to 48", series 150/300/600	2849	A516 GR.70N/TP.316L	Aramco +3,2 mm

2015	Petrofac Saudi Arabia Co. Ltd. (Saoc)/Saudi Arabia	South Tank Farm Facilities – Jazan Refinery	Spectacle Blind/ Paddle Blind/Spacer Ring	from 1" to 48", series 150/300	356	A516 GR.70N	Aramco +3,2 mm
<b>2014</b>	Jgc (Saudi Aramco)/Saudi Arabia	Jazan Refinery And Terminal Project	Spectacle Blind/Paddle Blind/Spacer Ring	from 3/4" to 60", series 150/300/600	3.889	A516 GR.70/TP.316L	JGC dwg.
2014	Petrofac Saudi Arabia Co. Ltd./Saudi Arabia	Rabigh Ii Petrochemical Project (U02 & U03 Packages)	Spectacle Blind/Paddle Blind/Spacer Ring	from 1/2" to 40", series 150/300/600	523	A516 GR.70/TP.316L/TP.304L/A105	B16.48/Aramco
2014	Bp – British Petroleum/Azerbaijan	Project Acg Azeri-Chirag-Guneshli	Spectacle Blind/Paddle Blind/Spacer Ring	from 2" to 10", serie 2500	91	TP.316L/F60	STD. PES-0111
2014	Technip/Algeria	Algiers Refinery Rehabilitation And Adaptation Project	Spectacle Blind/Paddle Blind/Spacer Ring	from 3/4" to 44", series 150/300/600	2.450	A516 GR.70/TP.304L/TP.316L/TP.317L/F5	B16.48 + B16.47/A
2014	Total/Tecnicas Reunidas/Belgium	Optara Project, Lot 2a & 2b	Spectacle Blind/Paddle Blind/Spacer Ring	From 3/4" to 20", Series 150/300/600/900/1500/2500	2031	A516 GR.70/TP.304L/F5/F321/F11	STD. TOTAL
2014	Tecnicas Reunidas/Saudi Arabia	Saudi Elastomers Project (Sep) Epdm & Pbr Facilities	Spectacle Blind/Paddle Blind/Spacer Ring	From 3/4" to 24", Series 150/300/600/900/1500	247	A516 GR.70/TP.304L/TP.316L	B16.48
2014	Toyo Engineering Corporation/Malaysia	Gas Processing Plant Rejuvenation Project	Spectacle Blind	From 1" to 14", Serie 150/300/600	81	A516 GR.70/TP.304L	Client's dwg.
2014	Total/Nigeria	Ofon Phase 2	Spectacle Blind	From 2" to 16", series 150/600/900/2500	189	A516 GR.70/TP.321/F60/F65	B16.48
2014	Tecnicas Reunidas/Yacimientos Petroliferos Fiscales Bolivianos (Ypfb)/Bolivia	Gran Chaco Liquid Separation Plant Project	Spectacle Blind	From 3/4" to 12", Serie 150/300/600/900	185	A516 GR.70/TP.304L	B16.48
2014	Enppi/Egypt	Ethydco's Utilities & Offsites Facilities	Spectacle Blind	from 10" to 30", serie 150	56	A516 GR.70/TP.316L	API 590
2014	Kvaerner/Aker Solutions/Denmark	Edvard Grieg Project	Spectacle Blind/Paddle Blind/Spacer Ring	From 1" to 24", Serie 150/300/600/1500	20	A240 UNS S31803/A240 UNS S32760	API 590 + NLB1
2014	Dunkerque Lng/France	Dunkerque Lng Terminal	Spacer Ring & Paddle Blind	From 4" to 40", serie 150	61	TP.316L	B16.48 + B16.47/A
2014	Cb&I/Dong Oil Pipe A/S/Denmark	Do Terminal Hejre Crude Stabilisation Project	Spectacle Blind	From 3/4" to 36, Series 150/300	260	A516 GR.70/TP.316L	SHELL

2014	China Petroleum Engineering/China	Cdb High Sour Gas Field Kai/Xuanhan Block Gas Field Project	Spectacle Blind/Spade/Spacer	From 1" to 24", serie 150/300/600/900	152	A105/F52/F321	B16.48
2014	Enppi/Badr Petroleum Company (Bapetco)/Egypt	Assil & Karam Fields - Gas Development Project	Spectacle Blind	From 1" to 20", Serie 150/300/600 900/2500	49	A516 GR.70/TP.304/TP.316/UNS S31803/UNS S32760	SHELL
2013	Tecnicas Reunidas/Turkey	Izmit Refinery Upgrading Project	Spectacle Blind/Paddle Blind/Spacer Ring	from 1" to 46", serie 150/300/600	1.536	A516 GR.70/F316/F321/F11/F22/F9/F5	B16.48
2013	Tecnicas Reunidas/Saudi Arabia	Saudi Elastomers Project (Sep) Epm & Pbr Facilities	Spectacle Blind/Paddle Blind/Spacer Ring	From 1/2" to 24", Series 150/300/600/1500	1.706	A516 GR.70/TP.316/TP.304L/C276	B16.48
2013	Petrofac Saudi Arabia /Saudi Arabia	Rabigh Ii Petrochemical Project (U02 & U03 Packages)	Spectacle Blind/Paddle Blind/Spacer Ring	from 1/2" to 40", series 150/300/600	604	A105/TP.304L	B16.48/Aramco
2013	Tecnicas Reunidas/Sabic/Saudi Arabia	Petrokemya Abs Project	Spectacle Blind/Paddle Blind/Spacer Ring	From 3/4" to 30", Series 150/300/1500	360	A516 GR.70/TP.304L/TP.316L/UNS S31803	B16.48
2013	Exxon Mobil/Papua New Guinea	Png Lng Gas Project	Spectacle Blind/Paddle Blind/Spacer Ring	From 2" to 24", Serie 150/300/1500/2500	102	A516 GR.70/TP.316L/UNS S31803	B16.48
2013	Worley Parsons/Canada	Hebron Topsides Project	Spectacle Blind/Paddle Blind/Spacer Ring	From 3" to 28", serie 150/300	105	A516 GR.70/UNS S31254	B16.48 + B16.47/A
2013	Kvaerner/Aker Solutions/Denmark	Edvard Grieg Project	Spectacle Blind/Paddle Blind/Spacer Ring	From 1" to 24", Serie 150/300/600/1500	316	A240 UNS S31803/A240 UNS S32760	API 590 + NLB1
2013	Dunkerque Lng/France	Dunkerque Lng Terminal	Spacer Ring & Paddle Blind	From 4" to 40", serie 150	61	TP.316L	B16.48 + B16.47/A
2013	Cb&I/Dong Oil Pipe A/S/Denmark	Do Terminal Hejre Crude Stabilisation Project	Spectacle Blind	From 3/4" to 36", Series 150/300	359	A516 GR.70/TP.316L	SHELL
2013	Polskie Lng/Saipem/Poland	Terminal Lng Budowa	Paddle Blind/Spacer Ring/Spectacle Blind	From 2" to 20", PN 10/16/25	47	P355NH/X5CrNi 18-10	As per dwg.
2013	Technip/Algeria	Algiers Refinery Rehabilitation And Adaptation Project	Paddle Blind/Spacer Ring/Spectacle Blind	from 3/4" to 20", series 150/600	310	A516 GR.70/TP.304L/TP.316L/TP.317L	B16.48
2013	Sk Engineering & Construction/Samsung Engineering Ltd/Saipem/Saudi Arabia	Wasit Gas Development Program	Spectacle Blind	From 1" to 10", serie 150/300	36	TP.316L	Aramco

2013	Tecnicas Reunidas/Russia	Khabarovsk Refinery, Hydroprocessing Project	Spectacle Blind	From 2" to 16", serie 150/600	27	Gr.11	B16.48
2013	Enppi/Egypt	Ethydco's Utilities & Offsites Facilities	Spectacle Blind	from 10" to 24", serie 150	22	A516 GR.70/TP.316L	API 590
2013	Gasco/U.A.E.	Habshan Acid Gas Flare Recovery (Hagfr) Project No. 5265	Drip Ring	From ¾" to 3", serie 150/300/600	57	A105/TP.316L/ A516 GR.70	STD-1300.001-037
2013	China Petroleum Engineering/China	Cdb High Sour Gas Field Kai/Xuanhan Block Gas Field Project	Spectacle Blind/Spade/Spacer	From 1" to 24", serie 150/300/ 600/900	50	A105	B16.48
2013	Tecnicas Reunidas/Yacimientos Petroliferos Fiscales Bolivianos (Ypfb)/Bolivia	Gran Chaco Liquid Separation Plant Project	Spectacle Blind	From ¾" to 12", Serie 150/300/ 600/900	100	A516 GR.70/TP.304L	B16.48
2013	Enppi/Badr Petroleum Company (Bapetco)/Egypt	Assil & Karam Fields - Gas Development Project	Spectacle Blind	From 1" to 20", Serie 150/300/600 900/2500	177	A516 GR.70/TP.304/TP.316/UNS S31803/UNS S32760	SHELL