REFERENCE LIST - SPECTACLE BLIND, SPADE & SPACERS, DRIP RING

DATE	PROJECT	COUNTRY	EPC	END USER	PRODUCT TYPE	MATERIAL	STANDARD
2024	CRPO 10 JAFURAH 15 WATER DISPOSAL PIPELINES AND WELLS and CRPO 12 JAFURAH 10 WATER DISPOSAL WELLS TIE IN	SAUDI ARABIA	C.A.T. INTERNATIONAL	SAUDI ARAMCO	SPECTACLE BLIND/ SPADE AND SPACER	A350 LF2 / A707 L3 CL3 / A859 GR.A. / A240 GR316 / A240 UNS S32750	ARAMCO
2024	UR Maintain Potential Project CR PO 07 08 & 13 - Saudi Aramco	SAUDI ARABIA	SISCO (SPECIALIZED INDUSTRIAL SERVICES CO.LTD)	SAUDI ARAMCO	SPECTACLE BLIND	A350 LF2/A240 GR316 / A707 L3 CL3	ARAMCO
2023	LTA - GAS MODULAR SKIDS	SAUDI ARABIA	SINSINA	SAUDI ARAMCO	SPECTACLE BLIND	A516 GR70	ARAMCO
2023	LTA - GAS MODULAR SKIDS	SAUDI ARABIA	PETRONASH	SAUDI ARAMCO	SPECTACLE BLIND	A516 GR70	ARAMCO
2023	JAFURAH GAS COMPRESSION PLANTS AND PWIS (PKG 01)	SAUDI ARABIA	LARSEN AND TOUBRO HYDROCARBON SAUDI	SAUDI ARAMCO	SPECTACLE BLIND PADDLE BLIND & SPACER	A105 / A182 F316/316L / A516 GR.70 / A350 LF2 CL.1 / A240 TP.316 / A182 F44 / A182 F53 / A240 UNS S31254 / A707 L3 CL.3 / A859 GR.A CL.2 / A707 L5 CL.3 /	ARAMCO/ B16.48
2023	BERRI DEVELOPMENT PKG 01 IK	SAUDI ARABIA	SNAMPROGETTI SAUDI ARABIA	SAUDI ARAMCO	SPECTACLE BLIND PADDLE BLIND & SPACER / DRIP RING	A105 / A182 F316/316L / A516 GR.70 / A350 LF2 CL.1 / A240 TP.316 / A182 F44 / A182 F53 / A240 UNS S31254 / A707 L3 CL.3 / A859 GR.A CL.2 / A707 L5 CL.3 /	ARAMCO/ B16.48
2023	MARJAN INCRE. GAS TREAT SULF RECOV. PKG10	SAUDI ARABIA	SNAMPROGETTI SAUDI ARABIA	SAUDI ARAMCO	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR.70 / A350 LF2 CL.1 / A240 TP.316 / A240 UNS S31254 / B443 UNS N06625	ARAMCO/ B16.48
2023/2021 / 2019/2018	HARADH PROJECT	SAUDI ARABIA	TECNICAS REUNIDAS	SAUDI ARAMCO	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR.70 HIC/LF2/A240 UNS S31803/A240 TP.304/B446 UNS C70610/A240 UNS S31254 / B424 UNS N08825	ARAMCO
2022	JAFURAH UTILITIES SULFUR AND INTERCONNECTING SYSTEMS	SAUDI ARABIA	BRANCH OF HYUNDAI ENGINEERING CO., LTD	SAUDI ARAMCO	SPECTACLE BLIND PADDLE BLIND & SPACER	A240 TP.316/316L / A516 GR.70 (SOUR) / A240 UNS S31254 / B443 UNS N06625	ARAMCO/ B16.48
2022 / 2021 / 2020 / 2019	SGCP SOUTH GAS COMPRESSION PLANT	SAUDI ARABIA	SAUDI ARABIAN SAIPEM	SAUDI ARAMCO	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR.70 / B424 UNS N08825 / A516 GR70 HIC / A350 LF2	ARAMCO
2022 / 2021	SG GAS SEPARATION & ASSOCIATED FACILITIES	SAUDI ARABIA	JGC GULF INTERNATIONAL Co. Ltd.	SAUDI ARAMCO	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR.70 / A240 TP.316/316L / A240 UNS S31254 / A240 UNS S32750 / A182 F53	ARAMCO / AS PER DWG.
2022 / 2020	HAWIYAH GAS PLANT	SAUDI ARABIA	SAIPEM	SAUDI ARAMCO	NIPPLED DRIP RING / PADDLE BLIND & SPACER	A105 / A240 TP.316	DWG / ARAMCO

REFERENCE LIST - SPECTACLE BLIND, SPADE & SPACERS, DRIP RING

DATE	PROJECT	COUNTRY	EPC	END USER	PRODUCT TYPE	MATERIAL	STANDARD
2022 / 2021	WATER HANDLING DEBOTTLENECKING IN SOUTH GWAWAR AREA	SAUDI ARABIA	SAUDI SERVICES FOR ELECTRO MECHANIC WORKS CO.	SAUDI ARAMCO	SPECTACLE BLIND PADDLE BLIND & SPACER	A350 LF2 CL.1/ A516 GR.70	ARAMCO/ B16.48
2022 / 2021 / 2018/2017	RAS TANURA	SAUDI ARABIA	TECNICAS REUNIDAS	SAUDI ARAMCO	SPECTACLE BLIND PADDLE BLIND & SPACER	A350 LF2/ A516 GR. 70/A387 GR.5/ A240 TP.321/ B575	ARAMCO/ B16.48
2021 / 2018 /2017 / 2016	JAZAN IGCC PROJECT GASIFICATION BLOCK PKG 1	SAUDI ARABIA	SNAMPROGETTI SAUDI ARABIA	SAUDI ARAMCO	SPECTACLE BLIND PADDLE BLIND & SPACER DRIP RING W/ NIPPLE	A105/ A350 LF2/A240/ A516 GR.70 / A182 F304/304L/ A182 F11 / A240 TP.316/316L / A387 GR.11 CL.2	B16.48/ As per drawing/ ARAMCO/ B16.5
2021	KINGISEPP II	RUSSIA	TECNIMONT	LLC EUROCHEM NORTHWEST-2	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR.70 / A240 TP.316L / A240 TP.304L / B575 UNS N10276	AS PER DWG.
2021	GEMLIK	TURKEY	TECNIMONT	GEMLİK GÜBRE SANAYİİ ANONİM ŞİRKETİ	SPECTACLE BLIND PADDLE BLIND & SPACER / DRIP RING	A516 GR.70 / A240 TP.316L / A240 TP.304L	B16.48
2021	ANWIL	POLAND	TECNIMONT	ANWIL	SPECTACLE BLIND PADDLE BLIND & SPACER / DRIP RING / JACKET ENDING AND BREAKING RINGS	P355NH / P355 NL1 / X2CrNiMo17-12-2 / X2CrNi18-9	AS PER DWG.
2021	MAERSK TYRA PACKAGE 1	DANISH SECTOR OF THE NORT SEA	MC DERMOTT ASIA PACIFIC MALAYSIA SDN. BHD	MAERSK OIL	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR.70 / A240 TP.316L / A240 UNS S31803	B16.48
2021	HEYDAR ALIYEV OIL REFINERY (HAOR) MODERNISATION & RECONSTRUCTION PROJECT	AZERBAIJAN	TECNICAS REUNIDAS	STATE OIL COMPANY OF THE AZERBAIJAN REPUBLIC (SOCAR)	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR.70 / A240 TP.304L	B16.48
2021/2018/2017/ 2016/2015	JAZAN REFINERY AND TERMINAL PROJECT	SAUDI ARABIA	JGC/SK/TECNICAS	SAUDI ARAMCO	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR. 70/ A240 TP.316/316L/ A240 TP 321/ A105/ A387 Gr.11	B16.48/ ARAMCO / B16.5/ B16.47 A
2020/2021	ARTIC LNG 2	RUSSIA	TECHNIP FMC	JSC NOVATEK	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR.70 / A240 GR.316/316L / A240 TP.304/304L	B16.48
2020	VOLGAFERT Urea 1500MTPD PLANT TOGLIATTI (RU)	RUSSIA	TECNIMONT	VOLGAFERT LLC	PAD FLANGE	A182 F304L / A182 F51	AS PER DWG.
2020	ÅSGARD V-M OILFIELD	NORWEGIAN SEA	PETORO ENI NORGE TOTAL E&P NORGE	EQUINOR / STATOIL	SPECTACLE BLIND PADDLE BLIND & SPACER	A240 UNS S31803 / A240 TP.316L / A240 UNS S31254	B16.48 + NLB1

REFERENCE LIST - SPECTACLE BLIND, SPADE & SPACERS, DRIP RING

DATE	PROJECT	COUNTRY	EPC	END USER	PRODUCT TYPE	MATERIAL	STANDARD
2020	BP TORTUE FPSO	MAURITANIA	TECHNIP FMC	BP	SPECTACLE BLIND PADDLE BLIND & SPACER / DRIP RING with FLANGIOLET	A516 GR.70 / A240 GR.316/316L	B16.48 /AS PER DWG.
2020	DELAYED COKER PROJECT	RUSSIA	CB&I	LUKOIL OIL COMPANY	SPECTACLE BLIND PADDLE BLIND & SPACER / SPECTACular BLIND® of La Meccanica Padana S.r.l.	A350 LF2 CL.1/ A516 GR.70 / A240 TP.304L / A182 F9	B16.48
2020	EUROPOORT RT REFINERY	THE NETHERLANDS		GUNVOR PETROLEUM ROTTERDAM	SPECTACLE BLIND PADDLE BLIND & SPACER SMURF FLANGE	A516 GR.70 / P265GH / A240 TP. 304L	DWG
2020	CRISP GRASSROOTS PROJECT	SINGAPORE	TECNICAS REUNIDAS	EXXON MOBIL	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR.70 / A240 TP. 316 / A240 TP. 347 / A240 UNS S32750 / B424 UNS N08825 / A387 GR. 5 - GR.11 / A182 F9	B16.48 /B 16.47A
2020	FRANKLIN GM1 PROJECT	USA	BECHTEL	SHELL	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR.70 / A240 TP. 304L / A387 GR.91 / A387 GR.22 7 A387 GR.11	SHELL
2019	MANDOUS PROJECT	U.A.E.	SK ENGINEERING & CONSTRUCTION	ADNOC	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR70	SHELL
2019	TROLL PHASE III	NORWAY	AKER SOLUTIONS	STATOIL	PADDLE BLIND & SPACER	A240 UNS S31803	NLB1
2019	TEXAS GULF COAST PROJECT	USA	FLUOR	CHEVRON	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR.70 / A240 TP. 316L	B16.48
2019	NEW PITCH GASIFICATION PLANT	SINGAPORE	LINDE	EXXON MOBIL	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR.70/ A240 TP. 316L/ UNS S31803 /N06600/ A240 TP. 304L/ A387 GR.22	LINDE
2019/2017	FADHILI	SAUDI ARABIA	TECNICAS REUNIDAS	SAUDI ARAMCO	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR70/A516 GR70 HIC /A240 GR316/A240 UNS S31803/ A240 UNS S31254 / A350LF2 / ALLOY 20	ARAMCO
2019	JOHAN SVERDRUP RP MOD	NORWAY	AIBEL	EQUINOR / STATOIL	SPECTACLE BLIND PADDLE BLIND & SPACER	A240 UNS S31803 / A240 UNS S32760 /A240 UNS S32750/ A240 TP. 316	B16.48 + NLB1
2019	JOHAN CASTBERG FLOATER TOPSIDE FC/IC PROJECT	NORWAY	KVAERNER	STATOIL	SPECTACLE BLIND PADDLE BLIND & SPACER	A240 UNS S31803 / A182 F44 A240 UNS S32760 / A516 GR.60	SLBN

REFERENCE LIST - SPECTACLE BLIND, SPADE & SPACERS, DRIP RING

DATE	PROJECT	COUNTRY	EPC	END USER	PRODUCT TYPE	MATERIAL	STANDARD
2019	GULLFAKS V-M	NORWAY	AKER SOLUTIONS	STATOIL	PADDLE BLIND	B265 Gr.2	SLBN
2019/2017/2016	FADHILI GAS PLANT	SAUDI ARABIA	PETROFAC	SAUDI ARAMCO	SPECTACLE BLIND	A516 GR 70 / A240 TP316/316L	ARAMCO/ B16.48
2019	DOWNSTREAM PIPELINE HARADH INCREMENT (HUG - 2)	EGYPT	ENPPI	SAUDI ARAMCO	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR.70	ARAMCO
2019	COSTRUCTION OF YANBU DISTRIBUTION HUB IN PLANT & INTERFACE WORKS	SAUDI ARABIA	SAUDI ARAMCO	SAUDI ARAMCO	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR.70 / CU-NI / A240 TP.316 / B463 UNS 08020	ARAMCO
2019	SAUDI ARAMCO PROJECT 4202786377	SAUDI ARABIA	SAUDI ARAMCO	SAUDI ARAMCO	SPECTACLE BLIND	B424 UNS N08825	ARAMCO
2019	MODULAR SKIDS	SAUDI ARABIA	ALDERLEY FZE	SAUDI ARAMCO	SPECTACLE BLIND	A516 GR70	ARAMCO
2019	HARADH NORTH GAS COMPRESSION PLANT (NGCP)	SAUDI ARABIA	CPP	SAUDI ARAMCO	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR70 HIC / A350 LF2	ARAMCO
2019	JOHAN SVERDRUP II P2 - BL7437 BULK PIPING	NORWAY	AIBEL	EQUINOR / STATOIL	SPECTACLE BLIND PADDLE BLIND & SPACER	A240 UNS S31803 / A182 F44 A240 UNS S32760 / A182 F55 A182 F51	B16.48 + NLB1
2019/2018	PORTOVAYA LNG	RUSSIA	LINDE	GAZPROM	SPECTACLE BLIND PADDLE BLIND & SPACER DRIP RING W/ NIPPLE	A516 GR70/A240 GR304	B16.48
2019/2018	WILHELMSHAVEN HES LSFO-PLANT	GERMANY	HES	HES INTERNATIONAL B.V.	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR.70 / A240 TP.316L	B16.48
2019	MODULAR SKIDS	U.A.E.	PETRONASH	SAUDI ARAMCO	SPECTACLE BLIND	A516 GR70	ARAMCO
2019	MODULAR SKIDS	SAUDI ARABIA	ZAMIL PROCESS EQUIPMENT Co.Ltd	SAUDI ARAMCO	SPECTACLE BLIND	A516 GR70	ARAMCO
2019	QATAR PETROLEUM	QATAR	NORTH OIL COMPANY	QATAR PETROLEUM	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR70/A240 UNS S31254	DWG

REFERENCE LIST - SPECTACLE BLIND, SPADE & SPACERS, DRIP RING

DATE	PROJECT	COUNTRY	EPC	END USER	PRODUCT TYPE	MATERIAL	STANDARD
2019	N0511-MAERSK TYRA FUTURE PROJECT	MALAYSIA	MC DERMOTT ASIA PACIFIC MALAYSIA SDN. BHD	MAERSK	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR70/A182F51/A240 UNS S31803	B16.48
2019	MODULAR SKIDS	SAUDI ARABIA	A.E.S. ARABIA	SAUDI ARAMCO	SPECTACLE BLIND	A516 GR70	ARAMCO
2019	DOWNSTREAM PIPELINE HARADH INCREMENT (HUG-2)	SAUDI ARABIA	ENPPI SAUDI ARABIA	SAUDI ARAMCO	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR70	ARAMCO
2019	N0511-MAERSK TYRA FUTURE PROJECT	MALAYSIA	MC DERMOTT ASIA PACIFIC MALAYSIA SDN. BHD	MAERSK	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR70/A182F51/A240 UNS S31803	B16.48
2019	MODULAR SKIDS	U.A.E.	PETRONASH	SAUDI ARAMCO	SPECTACLE BLIND	A516 GR70	ARAMCO
2019	MODULAR SKIDS	SAUDI ARABIA	Sinsina Industrial Works and Metal Construction Factory	SAUDI ARAMCO	SPECTACLE BLIND	A516 GR70	ARAMCO
2019	MODULAR SKIDS	SAUDI ARABIA	PETRONASH	SAUDI ARAMCO	SPECTACLE BLIND	A516 GR70	ARAMCO
2019/2018/2017	AL-ZOUR	KUWAIT	JV TECNICAS REUNIDAS/SINOPEC/HANWHA	KNPC	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR.60/ A240 / A350 LF2 / A387 GR.11 / A240 GR.317/317L	B16.47/A B16.48 SHELL
2018	LTA-2 MANIFA	SAUDI ARABIA	SAIPEM	SAUDI ARAMCO	PADDLE BLIND & SPACER	A350 LF2	DWG
2018	NANO FILTRATION PACKAGE for SULFATE REMOVAL FACILITIES PRJ	USA	SAFBON - ENPPI	ARAMCO	SPECTACLE BLIND PADDLE BLIND & SPACER ORIFICE PLATE	A240 UNS S32750 A240 TP.316L	ARAMCO
2018	JOHAN CASTBERG HULL	NORWAY	SEMBCORP MARINE	EQUINOR / STATOIL	SPECTACLE BLIND PADDLE BLIND & SPACER	A240 UNS S32750/A240 UNS S31803/A240 TP.316L/ B265 GR.2/A240 UNS S32760	B16.48 + NLB1

REFERENCE LIST - SPECTACLE BLIND, SPADE & SPACERS, DRIP RING

DATE	PROJECT	COUNTRY	EPC	END USER	PRODUCT TYPE	MATERIAL	STANDARD
2018	MODULAR SKIDS	SAUDI ARABIA	PETRONASH	SAUDI ARAMCO	SPECTACLE BLIND	A516 GR70	ARAMCO
2018	SULFATE REMOVAL FACILITIES PROJECT	EGYPT	ENPPI	SAUDI ARAMCO	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR70/A240 GR304/ A240 UNS S32750/ MONEL 400/ N08020	ARAMCO + B16.48
2018	KHURAIS FE & SG	SAUDI ARABIA	SAIPEM	SAUDI ARAMCO	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR. 70/ A240 TP.316/316L/ A240 TP 321/ A105/ A387 Gr.11	ARAMCO
2018	YANBU DISTRIBUTION HUB IN PLANT & INTERFACE WORKS	SAUDI ARABIA	SSEM	SAUDI ARAMCO	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR.70/ A240 GR 316/ B575 UNS N10276	B16.48
2018	RELIEF SYS & FLARE GAS SYS QCPF	SAUDI ARABIA	ARABIAN BEMCO CONT.CO IND'I PROJ.	SAUDI ARAMCO	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR.70	ARAMCO
2018	JAZAN PKG1 + PKG2	SAUDI ARABIA	SAIPEM	SAUDI ARAMCO	SPECTACLE BLIND PADDLE BLIND & SPACER	A240 / A516Gr70 / A240 Gr.316/316L	ARAMCO
2018	MODULAR SKIDS	SAUDI ARABIA	PETRONASH	SAUDI ARAMCO	SPECTACLE BLIND	A516 GR70	ARAMCO
2018	MASTER GAS PHASE 2	SAUDI ARABIA	SEPCO	SAUDI ARAMCO	SPECTACLE BLIND PADDLE BLIND & SPACER	A350 LF2/ A516 GR. 70	B16.47A/ ARAMCO
2018/2017	TOUATGAZ PROJECT	ALGERIA	SONATRACH	TECNICAS REUNIDAS	SPECTACLE BLIND	A516 GR. 70/ A240 TP.316/316L	B16.48
2017	RE-ROUTE IN RAS TANURA AREA	SAUDI ARABIA	CHINA PETROLEUM	SAUDI ARAMCO	SPECTACLE BLIND	A516 GR. 70	ARAMCO
2017	ZOHR ONSHORE - MEG REGENERATION PACKAGE (N°2 TRAINS)	EGYPT	COMART - PETROBEL - BELAYM PETROLEUM COMPANY - SAIPEM	ENI	SPECTACLE BLIND	A105/A182 F316/ A182 F51 / A350 LF2	B16.48
2017	KILPILAHTI POWER PLANT	FINLAND	TECNICAS REUNIDAS	BOREALIS	SPECTACLE BLIND	P265GH/ A516 GR. 70	DIN 2626/ B16.48
2017/2015	JAZAN REFINERY NORTH TANK FARM AND LOADING ARMS FACILITIES	SAUDI ARABIA	PETROFAC SAUDI ARABIA	SAUDI ARAMCO	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR. 70	B16.48/ ARAMCO
2017/ 2016	CULZEAN PROJECT	GREAT BRITAIN	MAERSK OIL	KBR	SPECTACLE BLIND PADDLE BLIND & SPACER DRIP RING	A240 UNS S32750	TB.5011/ B16.48

REFERENCE LIST - SPECTACLE BLIND, SPADE & SPACERS, DRIP RING

DATE	PROJECT	COUNTRY	EPC	END USER	PRODUCT TYPE	MATERIAL	STANDARD
2017/ 2016 /2015	CLEAN FUELS PROJECT (CFP)	KUWAIT	JGSK	KNPC/ PETROFAC/ SAMSUNG/ CB&I	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR.60/70/ A240 Type 321/ A240 TP.316 / A182 F9	AS PER DWG. B16.48 SHELL
2017	CENTRAL GAS PLANT II (CGP III) PROJECT	BAHRAIN	JGC CORPORATION	BAPCO	SPECTACLE BLIND	A516 GR.70 / A240 TYPE 304/304L	B16.48 / B16.5
2017/2016	BID BOLAND II PROJECT	IRAN	SAZEH CONSULTANTS AND JAHAN PARS ENGINEERING & CONSTRUCTION	PIDMCO	SPECTACLE BLIND PADDLE BLIND & SPACER DRIP RING	A516 GR.70/ A240 GR 316/ A 240 TP 304 / A105/ A350 LF2 /A694 F52 / A182 F316	AS PER DWG
2017/2016	ANAGOLD - COPLER SULFIDE EXPANSION PROJECT	TURKEY	AMEC FOSTER WHEELER	ANAGOLD MADEN CILIK	SPECTACLE BLIND PADDLE BLIND & SPACER DRIP RING	A240 / A516Gr70 / A240 Gr.316/316L	B16.47/ B16.48+51B33/ B16.48
2017/2015	AEGEAN REFINERY PROJECT (ARP)	TURKEY	TECNICAS REUNIDAS, SAIPEM, GS ENIGINEERING&CONSTRUCTION, ITOCHU	UTE TR RUP	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR. 70 / A182 F9 / A387 GR.5 / A240TP304L	B16.48 / B16.47 A
2017	AASTA HANSTEEN SPAR TOPSIDE	NORWAY	TECHNIP USA/HYUNDAI HEAVY INDUSTRIES	STATOIL	PADDLE BLIND & SPACER	A182 F51	TR2000
2018/2017	5th TANK AND BOG FACILITIES PROJECT	BELGIUM	DURO ENGINEERING	SHELL	SPECTACLE BLIND PADDLE BLIND & SPACER	A240 TP304/304L/ A516 GR.70	B16.48 SHELL
2017	YIBAL - KHUFF	OMAN	PETROFAC	PETROLEUM DEVELOPMENT IMAN (PDO)	SPECTACLE BLIND PADDLE BLIND & SPACER DRIP RING W/ NIPPLE	B425 825	DWG
2017	TROLL B ZMP	NORWAY	AKER SOLUTIONS	STATOIL	SPECTACLE BLIND	A516 GR.60/ A240	NLB1
2017/2016/2015	PSC "TAIF-NK"	RUSSIA	TOYO ENGINEERING CORPORATION	PSC TAIF- NK / TAIF GROUP	SPECTACLE BLIND	A516 GR.70/ LF2 / A182 F9/F11 / A240 / A387 Gr.11/ A387 GR.11	AS PER DWG. / B16.48
2017/2016/2015	JOHAN SVERDRUP OIL FIELD (SVERDRUP FIELD)	NORWAY	AKER SOLUTIONS/AIBEL	EQUINOR / STATOIL	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR.60 / A516 GR.70 / A240 /A182 F55/ A105	B16.48
2017/2016	ILAM SULFUR REMOVAL UNIT	IRAN	EIED	ILPC - ILAM PETROCHEMICAL COMPANY	SPECTACLE BLIND	A240 TP.304/304L / A516 GR.70 / A240 GR.321	B16.48
2016	YANBU EXPORT REFINERY PROJECT	SAUDI ARABIA	SINOPEC	SAUDI ARAMCO AND CHINA PETROCHEMICAL CORPORATION	SPECTACLE BLIND	A516 GR 70	ARAMCO
2016	SLUISKIL (NL) GRANULATION UNIT FOR UREA	THE NETHERLANDS	TECNIMONT-YARA	YARA	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR70 / A240 GR316	B16.48 + DWG

REFERENCE LIST - SPECTACLE BLIND, SPADE & SPACERS, DRIP RING

DATE	PROJECT	COUNTRY	EPC	END USER	PRODUCT TYPE	MATERIAL	STANDARD
2016	ZAPSIB 2 PROJECT LLDPE/HDPE UNIT	RUSSIA	TECHNIP FRANCE - ZAPSIBNEFTEKHIM	ZAPSIB NEFTE KHIM LLC	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR70/A240 GR304	B16.48 / B16.47/A
2016	WASTE WATER TREATMENT PRJ Texas City	USA	JACOBS	BLANCHARD REF.CO.	PADDLE BLIND & SPACER	A516 GR70	B16.47/A
2016	HCU2 / DHT DEBOTTLENECK Port Arthur	USA	JACOBS	MOTIVA	SPECTACLE BLIND PADDLE BLIND & SPACER	A182 F347 / A182 F51/ A182 F11 / A182 F9 / A387 Gr.5 / A240 TP304L / A516 GR70	B16.48 DWG Jacobs
2016/2015	TEMPA ROSSA PROJECT	ITALY	TECNIMONT	TOTAL E&P ITALIA	SPECTACLE BLIND PADDLE BLIND & SPACER DRIP RING FLANGE JACKET ENDING & BREAKING RING	A182 F316L / C276 / A105 / A350 LF2 / A516-65 / A240-316/316L	B16.5 / B16.47/A / B16.48
2016	RHIP - RABAB HARWEEL INTEGRATED PROJECT	OMAN	PETROFAC	PDO - PETROLEUM DEVELOPMENT OMAN	SPECTACLE BLIND	A516 GR 70 / ASTM B424 / A240-316/316L	B16.48 SHELL
2016/2015	RABIGH II REFINING AND PETROCHEMICAL PROJECT NAPHTHA AND AROMATICS PACKAGE (RP2)	SAUDI ARABIA	SNAM PROGETTI SAUDI ARABIA/SAIPEM/PETROFAC /GS. ENG. E CO./ JGC GULF/ METSO/ COFINCO/ TSKE/ KBR	SAUDI ARAMCO & SUMITOMO CHEMICAL	SPECTACLE BLIND / SPRAY INJECTION NOZZLE	A516 GR70/ A240 / HAST. C276/ TP.321	B16.48
2016	P77	BRAZIL	PETROBRAS	PETROBRAS	SPECTACLE BLIND PADDLE BLIND & SPACER CLADDED INCONEL 625	A516 GR70 / A 522 TYPE 1	B16.5 / B16.48
2016	P75	BRAZIL	PETROBRAS	PETROBRAS	SPECTACLE BLIND PADDLE BLIND & SPACER CLADDED INCONEL 625	A516 GR 70 / A522 TYPE 1	B16.48/ B16.5
2016	OURHOUD PROJECT - REALISATION DES INSTRALLATIONS DE PRODUCTION D'HUILE	ALGERIA	INITEC - JGC CORPORATION	SONATRACH AND CEPSA COLLABORATION	SPECTACLE BLIND	A516 GR70	DWG
2016/2015 /2014	OPTARA PROJECT	BELGIUM	TECNICAS REUNIDAS	TOTAL	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR70 / A387 Gr.5- Gr.11 / A240 GR.304/304L / A240 TP 321 / A387 Gr.5- Gr.11 /A182-F5 Cl. 1	B16.48/ TOTAL/ Acc. To dwg.
2016/2015	ODOPTU STAGE 2 - SAKHALIN 1 PROJECT	RUSSIA	FLUOR	EXXON	SPECTACLE BLIND PADDLE BLIND & SPACER	A240 GR.316/316L	B16.48
2016	NJORD FUTURE PROJECT	NORWAY	ENGIE E6P NORGE, DEA NORGE, FAROE PETROLEUM NORGE, VNG NORGE	STATOIL	SPECTACLE BLIND	B265 Gr.2	B16.48
2016	NAWARA DEVELOPMENT PROJECT	TUNISIA	OMV	OMV	SPECTACLE BLIND PADDLE BLIND & SPACER	A240 TP.316/316L / A694 F60	B16.48

REFERENCE LIST - SPECTACLE BLIND, SPADE & SPACERS, DRIP RING

DATE	PROJECT	COUNTRY	EPC	END USER	PRODUCT TYPE	MATERIAL	STANDARD
2016/2015	MOGAS COGEN PROJECT	SINGAPORE	JGC	SINGAPORE REFINING COMPANY PRIVATE LTD.	SPECTACLE BLIND PADDLE BLIND & SPACER	A105 / A182 F304/304L / A182 F316/316L / A182 F321 / A182 Grade F11	B16.5
2016	MARTIN LINGE PROJECT	NORWAY	STATOIL7PETORO	TOTAL	SPECTACLE BLIND	A516 GR.70	B16.48
2016	HAIL SURFACE FACILITIES EPS (EARLY PRODUCTION FACILITIES) PROJECT	U.A.E.	TECNICAS REUNIDAS ABU DHABI	ABU DHABI OIL COMPANY LIMITED (ADOC)	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR 70 / B425	B16.48
2016/2015	EPC FOR RUMAITHA / SHANAYEL FACILITIES- PHASE III	U.A.E.	GS E&C/DODSOL	ABU DHABI COMPANY FOR ONSHORE OIL OPERATIONS (ADCO)	SPECTACLE BLIND	B424/ A240/ A516 Gr. 70	SHELL
2016	ELEFSIS REFINERY UPGRADE PROJECT	GREECE	FOSTER WHEELER / TECNICAS REUNIDAS	HELLENIC PETROLEUM	PADDLE BLIND & SPACER	A516 GR 70	DWG
2015	WEST HARBOUR EXPANSION PROJECT (WHX PROJECT)	EGYPT	PhPC	PHARAONIC PETROLEUM CO.	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR 70	DWG
2015	UPPER ZACUM 750 - GAS DEHYDRATION AND REGENERATION UNITS	U.A.E.	PETROFAC	ZAKUM DEVELOPMENT COMPANY (ZADCO)	DRIP RING W/ FLANGED BLEEDS	A105 / A312 TP.316L / A182 GR.316L	DWG
2015	DOMINION COVE POINT LNG EXPANSION TERMINAL	USA	IHI - KIEWIT	DOMINION ENERGY	SPECTACLE BLIND PADDLE BLIND & SPACER		DWG
2015	SFC - SYSTEM OPPGAVER MEKANISK	NORWAY	DEEPOCEAN GROUP HOLDING AS	STATOIL	SPECTACLE BLIND	A516 GR 70	DWG
2015	SARB - SATAH AL RAZBOOT FIELD DEVELOPMENT PROJECT	U.A.E.	HYUNDAI	ABU DHABI NATIONAL OIL COMPANY (ADNOC)	DRIP RING W/ FLANGED BLEEDS	F316/316L	DWG
2015	REFINERY OFF GAS PROJECT (ROG)	BELGIUM	TOTAL GROUP/MAIRE TECNIMONT	TOTAL	SPECTACLE BLIND PADDLE BLIND & SPACER	A105/304L / A350 LF2 /A182 F316/316L	B16.48 / B16 47/A
2015	SK316 DEVELOPMENT PROJECT	MALAYSIA	TECHNIP/MMHE	PETRONAS CARIGALI	SPECTACLE BLIND PADDLE BLIND & SPACER DRIP RING / FLANGIOLET	A516 GR.70 / F316/SF51/A105	SHELL
2015/2014/ 2013	RABIGH II PETROCHEMICAL PROJECT	SAUDI ARABIA	PETROFAC SAUDI ARABIA CO. LTD.	SAUDI ARABIAN OIL COMPANY BV & SUMITOMO CHEMICAL CO. LTD.	SPECTACLE BLIND PADDLE BLIND & SPACER	A105 / A182 F304/304L/ A350 LF2	B16.48 / As per dwg./ ARAMCO
2015/2014	QSGTL PEARL GTL PROJECT	QATAR	KBR/ JGC CORPORATION	QATAR PETROLEUM / SHELL	PADDLE BLIND & SPACER	A240 / A516 GR.60-70/ A387 Gr.11	SHELL
2015/2014	PROJET REHABILITATION ET ADAPTATION DES INSTALLATIONS DE LA RAFFINERIE D'ALGER	ALGERIA	TECHNIP	SONATRACH/ SAMSUNG ENGINEERING & CONSTRUCTION	SPECTACLE BLIND PADDLE BLIND & SPACER DRIP RING	A182 F5 / A516 GR65 / A240 TP 304/304L / A105	B16.48/ B16.47B
2015/2014	PARDIS 3rd AMMONIA & UREA PROJECT	IRAN	HEDCO (HAMPA ENERGY ENGINEERING & DESIGN CO.)	PARDIS PETROCHEMICAL COMPANY	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR70/ A240 TP 304/304L / A387 Gr.11	B16.48 / As per dwg.

REFERENCE LIST - SPECTACLE BLIND, SPADE & SPACERS, DRIP RING

DATE	PROJECT	COUNTRY	EPC	END USER	PRODUCT TYPE	MATERIAL	STANDARD
2015	P-76 FPSO (FLOATING PRODUCTION STORAGE AND OFFLOADING)	BRAZIL	CONSORCIO TECHNIP - TECHINT	PETROBRAS	SPECTACLE BLIND / ISOKINETIC CONNECTIONS WELDOLET	A522/ A240 / A516 GR70	As per dwg./ B16.48
2015	NEW VAPOR RECOVERY UNIT - ASORC PROJECT	EGYPT	ENPPI - ENGINEERING FOR THE PETROLEUM & PROCESS INDUSTRIES	ASORC - ASSIUT OIL REFINING COMPANY	SPECTACLE BLIND PADDLE BLIND & SPACER DRIP RING	A516 GR70	DWG
2015	MTWARA ENERGY PROJECT	TANZANIA	ARTUMAS GROUP	TANZANIA ELECTRICS SUPPLY CO. / SYMBION POWER AND GENERAL ELECTRIC	SPECTACLE BLIND	A105	B16.48
2015	MODERNIZACION REFINERIA DE TALARA	PERU'	TECNICAS REUNIDAS	PETROPERU	DRIP RING ORIFICE PLATE	F316	DWG
2015	MARIA TIE IN TO HEIDRUN	NORWAY	AIBEL	STATOIL	SPECTACLE BLIND PADDLE BLIND & SPACER	A240 / A182 F51	B16.48
2015	KGOC GAS AND CONDENSATE EXPORT SYSTEM	KUWAIT	TECHNIP	KUWAIT GULF OIL COMPANY (KGOC)	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR65-70	ARAMCO
2015	IVAR AASEN	SINGAPORE	STATOIL/BAYERGAS	Det norske oljeselskap	SPECTACLE BLIND PADDLE BLIND & SPACER	A182 F44 -F51 / A240	B16.48
2015	IEFCL FERTILIZER PROJECT (IEFCL)	NIGERIA	TOYO ENGINEERING	INDORAMA ELEME FERTILIZER AND CHEMICALS LTD.	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR70	B16.48
2015/2013	HEBRON TOPSIDES PROJECT	CANADA	EXXONMOBIL	HEBRON	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR 70 / A240	B16.48
2015	HEAVY RESIDUE PROCESS COMPLEX FIRST PHASE	BULGARIA	TECHNIP ITALY P.E. BULGARIA	LUKOIL NEFTOCHIM BURGAS AD	PADDLE BLIND	A240	B16.48
2015	FPSO PIONIERO DE LIBRA	BRAZIL	PETROBRAS - ODEBRECHT/TEEKAY (OOG-TEEKAY)	LIBRA CONSORTIUM	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR70/ A694 F65	DWG
2015	ETHYDCO PROJECT	EGYPT	ENPPI/TOYO	ETHYDCO	SPECTACLE BLIND	A516 GR70 / A105 /A240	B16.48
2015/2014	EPCIC CONTRACT FOR SK316 GAS DEV. PROJECT	MALAYSIA	TPGM-MMHE JOINT VENTURE-FRANCE TECHNIP- MALAYSIA MARINE- KURVERS SINGAPORE	PETRONAS CARIGALI	SPECTACLE BLIND PADDLE BLIND & SPACER DRIP RING / FLANGIOLET	A516 GR.60-70 / A240 GR.316	B16.47/A SHELL
2015	EPC-2 REVAMP & OFFSITES ANWERUP	BELGIUM	FOSTER WHEELER	EXXON MOBIL PETROLEUM & CHEMICAL BVBA	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR.70/ A240 GR 304/304L/ SF51/321/F11/316L / A182 F316H	B16.48
2015	EPC CENTRAL PROCESSING FACILITIES PHASE 1	IRAQ	PETROFAC FZE	SHELL IRAQ PETROLEUM DEVELOPMENT BV	SPECTACLE BLIND	B564	B16.48 SHELL

REFERENCE LIST - SPECTACLE BLIND, SPADE & SPACERS, DRIP RING

DATE	PROJECT	COUNTRY	EPC	END USER	PRODUCT TYPE	MATERIAL	STANDARD
2015	CATCHER AREA FIELD DEVELOPMENT, CENTRAL NORTH SEA	GREAT BRITAIN	SCANDINAVIAN FITTINGS & FLANGES ApS	PREMIER OIL	PADDLE BLIND & SPACER	A182 F51	B16.48
2015/2013	BUDOWA TERMINAL LNG	POLAND	SAIPEM	POLSKIE LNG	PADDLE BLIND & SPACER	TP 316L/ LF2 CL1	DWG
2015	BLACK POWDER FILTRATION UNIT-NEW NATURAL GAS SUPPLY METERING STATION	SAUDI ARABIA	PAN GULF PIPING SYSTEM CO.	SAUDI IRON & STEEL COMPANY (HADEED)	SPECTACLE BLIND PADDLE BLIND & SPACER	A516 GR.70 / A240 TP.316L	ARAMCO
2015	BIR SEBA FIELD DEVELOPMENT	ALGERIA	JGC CORPORATION	SONATRACH / ALGERIAN STATE - OWNED OIL&GAS CO./ PVEP / PTTEP	SPECTACLE BLIND	A240	B16.48
2015	ACID GAS REMOVAL PROJECT (AGRP)	KUWAIT	TECNIMONT	KUWAIT NATIONAL PETROLEUM COMPANY (KNPC)	PADDLE BLIND & SPACER	A387 Gr.11	SHELL
2015	FORT HILLS UTILITIES PROJECT	CANADA	FLUOR CANADA	FORT HILLS ENERGY LP	PADDLE BLIND & SPACER	A516 GR70	DWG