

Detailed Table of Contents

Function of fittings	Section A	Performance data	Section C
Ermeto Original tube fittings – introduction	3	Pressure rating	2
New Generation: High performance tube fittings	4	Pressure reductions and temperatures	2
EO-Plus: Progressive Stop Ring PSR for steel fittings	6	Materials	3
EO-DUR progressive ring DPR for stainless steel fittings	8	Surface treatment	4
EO2-Plus	11	Fluid compatibility	5
EO2-FORM	15	Biodegradable oils	8
EO weld nipple	18	Flow characteristics	9
Introduction to O-Lok®	20	Flow diameter and wall thickness	13
Parflange® orbital flaring process and the Flange Seal system	25	Tube wall thickness	14
Introduction to Triple-Lok®	28	Dimensioning	Section D
Adapters – introduction	32	Overview EO 24° cone connections	3
Thread configurations	36	Not recommended	4
Systematic fitting selection	Section B	EO 24° cone end (DIN 3861/ISO 8434-1)/dimension	4
Introduction	2	EO 24°-DKO swivel connector (DIN 3861/DIN EN ISO 8434-4)/dimensions	5
Design criteria for fitting selection	2	Overview O-Lok® connections	6–7
Best solution	2	O-Lok® end (ISO 8434-3/SAE J1453)/dimensions	8
Material selection: Fitting material	3	O-Lok® swivel connector (ISO 8434-3/SAE J1453)/dimensions	9
Material selection: Sealing material	4	Overview Triple-Lok® connections	10–11
LL/L/S Series selection for EO fittings	5	Triple-Lok® end (ISO 8434-2/SAE J514)/dimensions	12
Tube end selection	6–7	Triple-Lok® swivel connector (ISO 8434-3/SAE J514)/dimensions	13
Flange type selection	8	DIN 60° cone end (DIN 7631)/dimensions	14
Port/Stud selection	9–11	Adapter 60° cone end (ISO/DIS 8434-6)/dimensions	15
Orientable fitting selection	12–13	NPSM Swivel adapters (SAE J516)/dimensions	16
Standardization	14	Port end dimensions for tube fittings	17–19
Approvals	14		
Tube-specification	15–16		
Fitting selection summary	17		
Dry technology versus traditional technology	17–20		

Contents

Detailed Table of Contents

Tube assembly	Section E	Combination impact flarer 210A for small dimension inch tube	26
Fitting assembly	Section F	Impact flaring tools for metric and inch tube	27
		KarryFlare	28
Trouble shooting guide	Section G	37° flaring tools for EO-KARRYFLARE device and EOMAT UNI, II and III machine	29
		Assembly machines for O-Lok® and Triple-Lok®	30
Tooling	Section H	Parflange® machine selection guide	30
Parker tube fabricating equipment	4	Parflange® 1025 workshop machine for O-Lok® and Triple-Lok®	31–32
Manual assembly tools for EO/EO-2	5	Parflange® 1050 WorkCenter	33
VOMO – Pre-assembly tools for EO/EO-2 tube connections	5	Parflange® 1050 BASIC	34
KONU – Cone gauge for EO/EO-2 tube connections	6	Parflange® 1050 PRO	35
Checklist “depth measurement” for pre-assembly tooling (MOK and VOMO)	6	Parflange® 1050 Ordering	36
Distance Gauge for Assembly AKL	7	Tooling for Parflange® machines	37
Manual assembly devices for EO/EO-2 tube connections	8	Parflange® tool identification	38
Machine selection guide	8	Parflange® tools for O-Lok®	39
HVM-B Pre-assembly tool	9–10	Parflange® tools for Triple-Lok®	40
EO-Karrymat portable pre-assembly device for EO tube connections	11	Parflange® tools for Flange Seal	41
Assembly machines for EO/EO-2 and Triple-Lok®	12	Lubricants	42
Machine selection guide	12	Niromont lubricant for fitting assembly	42
EOMAT ECO Mobile assembly machine for EO hydraulic fittings	13–14	LUBSS/LUBCAN lubricant for flaring and forming tools	42
EOMAT UNI assembly and flaring machine	15–18	Cutting and bending tools	43
EO PSR/DPR and EO-2 assembly tools for EOMAT/EO-KARRYMAT	22	AV 6/42 – Tube saw square	43
Ferulok tools for EOMAT/EO-KARRYMAT	18	BAV 6/12 – Combined tube bending and cutting tool	44
EO2-FORM-F3 WorkCenter	21–24	In-Ex tube deburring tool 226	44
Manual flaring tools for Triple-Lok® tubes	25	BV 6/18 – Tube bending tool	45
Flaring tool selection guide	25	BV 20/25 – Tube bending tool	46
Manual flaring tools for Triple-Lok® tubes	26	Par-Lok wrench	47
Combination impact flarer 1004 for small dimension metric tube	26	WZK – Tool boxes	48
		O-ring assembly tools	49
		CORG O-ring installation tool for O-Lok®	49

Contents

Detailed Table of Contents

Adapters	Section N	Tube clamps	Section S
Contents	2-3	Contents	2
		Technical data.....	3
Valves	Section O	Material properties.....	4
Contents	2-5	Assembly instruction.....	5/6
		Light series (DIN 3015, part 1)	6
Rotary fittings	Section P	Heavy series (DIN 3015, part 2).....	6
Contents	2	Double series (DIN 3015, part 3).....	6
		Recommended clamp pitch	7
Parker SensoControl®	Section Q	Pipe bend assembly	7
Contents	2		
		Custom Products	Section T
Tubes	Section R		
General recommendations for tubes	3	Alphanumerical index	Section U
Seamless EO steel tubes			
Material St. 37.4.....	4-5		
Seamless EO stainless steel tubes			
Material-No.: 1.4571/1.4541	6-7		
Seamless EO steel tubes Material C-Steel	7		
Seamless EO tube bends 90°			
Material St. 37.4 and 1.4571.....	8		