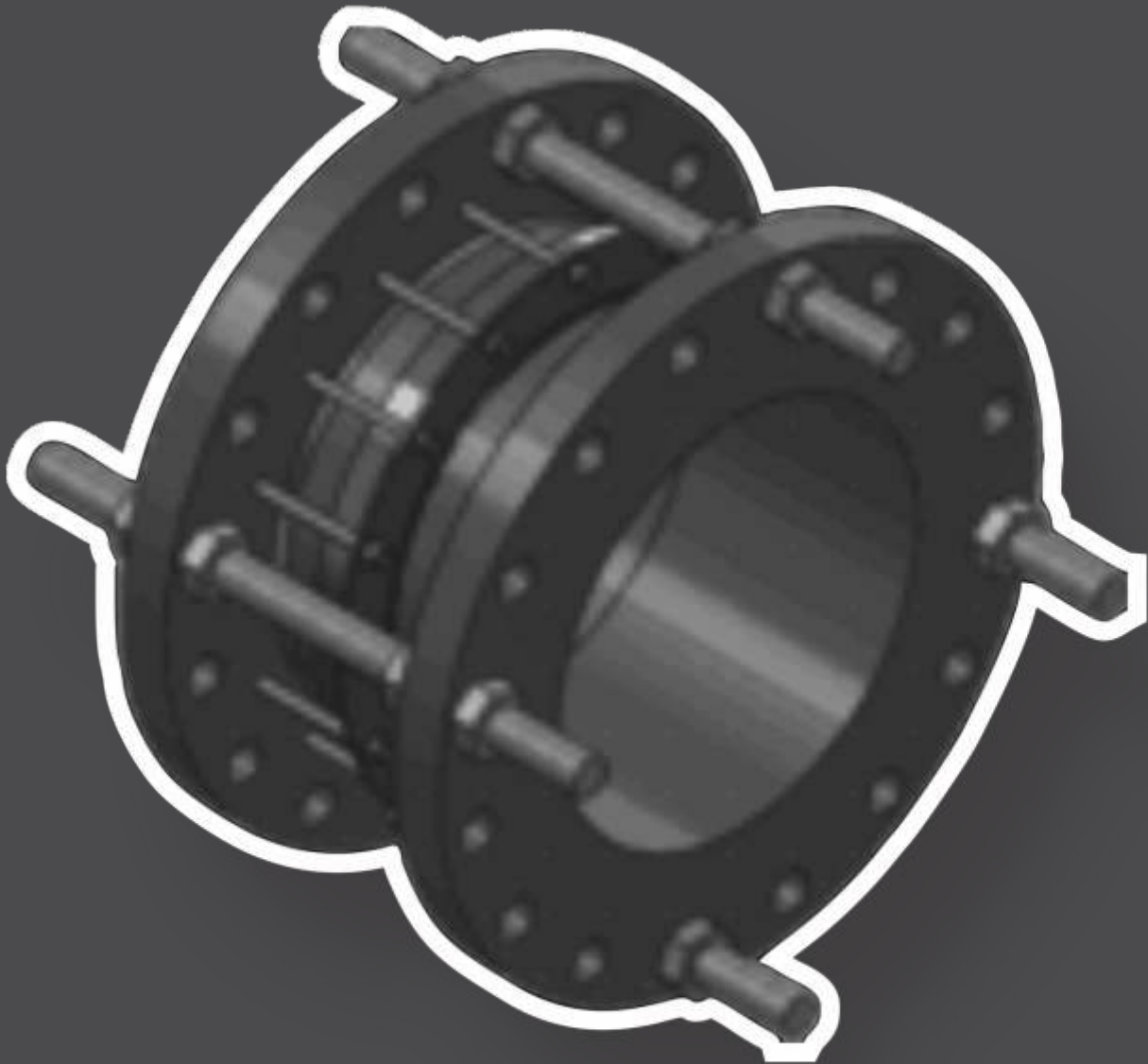


WELBRO
PIPE & COUPLING



RESTRAINED FLANGE ADAPTERS TECHNICAL DATA

1. End Rings:

- Mild Steel to BS EN 10025:2004 or Grade CQ

2. Adapter Body:

- Mild Steel to BS EN 10025:2004 or Grade CQ
- Flanges: SABS 1123

3. Spigot:

- Spigot - Steel to SANS 1431 Grade 300WA

4. Rubber Gasket:

- EPDM Grade E to BS 2494 1990 or SANS974 Related ISO4633

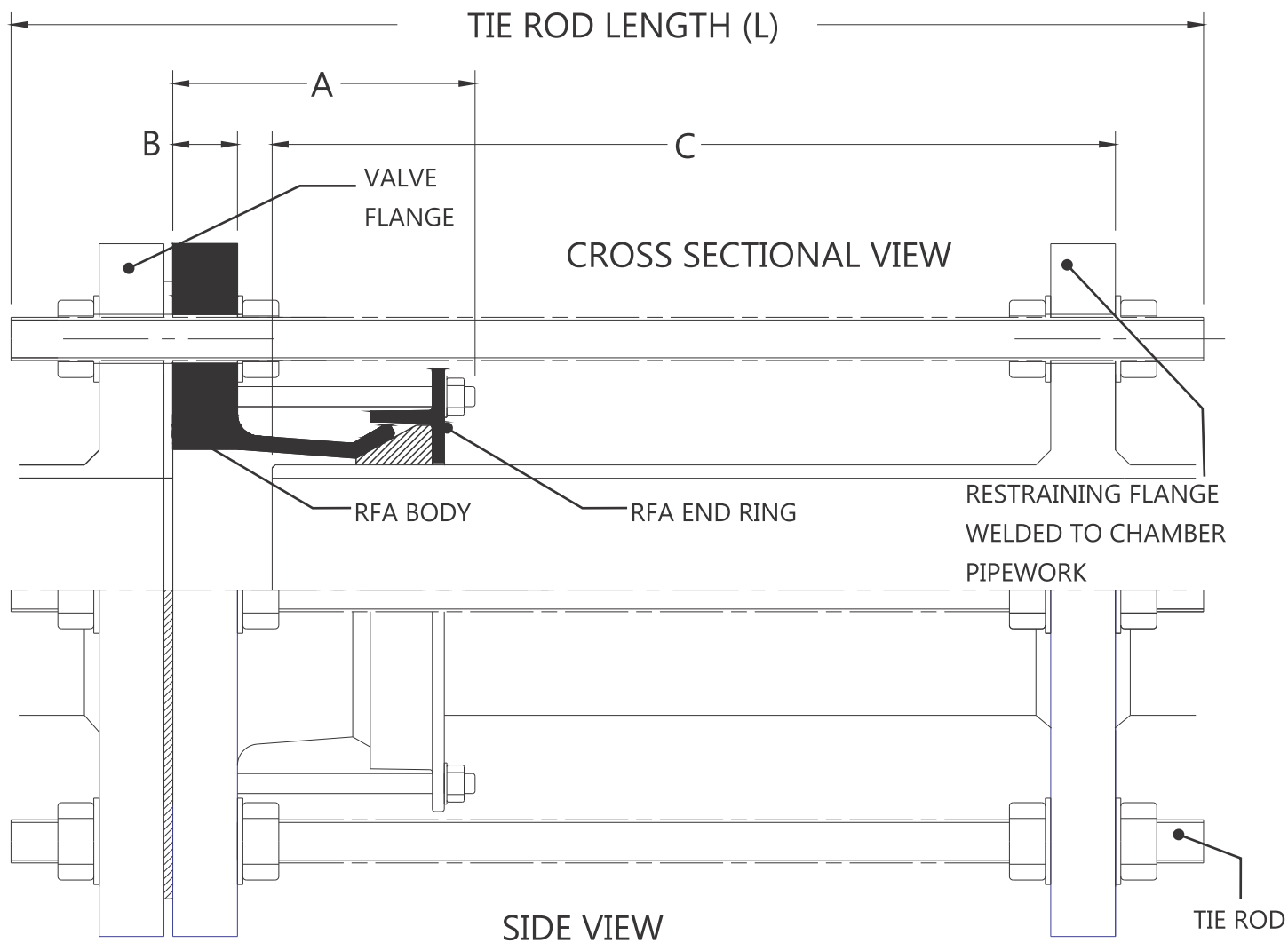
5. Studs / Tierods:

- Studs: Stainless Steel Grade 304
- Tierods: Steel to BS970 Grade 070 or Steel to SANS1143 Grade 8.8

6. Coating:

- Fusion Bonded Epoxy to SABS 1217 to a minimum thickness of 250 microns or client specifications
- Mild Steel Bolts are hot dip galvanised to SANS 763

RESTRAINED FLANGE ADAPTER (RFA) - GENERAL ARRANGEMENT DRAWING



RESTRAINED FLANGE ADAPTER (RFA) - TABLE OF DIMENSIONS

RESTRAINED FLANGE ADAPTORS				HDG FASTENERS						
NB	Coupling		Product Code	Flange			Total Length	Tie Rod Detail		
	ID	Range		Size	Thick	OD		Nr	Diam	L
50	68	57 - 67	WBR0500x50T1000/1600	50	12	165	137	2	M16	310
			WBR0500x50T2500/4000	50	20	165	145	2	M16	310
65	81	59 - 79	WBR0650x65T1000/1600	65	12	185	137	2	M16	310
			WBR0650x65T2500/4000	65	22	185	147	2	M16	310
80	95	74 - 93	WBR0800x80T1000/1600	80	14	200	139	2	M16	310
			WBR0800x80T2500/4000	80	22	200	147	2	M16	330
100	121	98 - 118	WBR1000x100T1000/1600	100	14	220	139	2	M16	310
			WBR1000x100T2500/4000	100	22	250	147	2	M20	330
125	156	132 - 154	WBR1250x125T1000/1600	125	16	250	141	2	M16	320
			WBR1250x125T2500/4000	125	28	270	153	2	M24	350
150	173.5	150 - 170	WBR1500x150T1000/1600	150	18	285	143	2	M20	330
			WBR1500x150T2500/4000	150	30	300	155	2	M24	360
200	225	205 - 223	WBR2000x200T1000	200	24	340	154	4	M20	360
			WBR2000x200T1600	200	26	340	156	4	M20	360
			WBR2000x200T2500	200	32	360	162	4	M24	390
			WBR2000x200T4000	200	36	375	166	4	M24	390
250	280	268 - 278	WBR2500x250T1000	250	20	395	150	4	M20	360
			WBR2500x250T1600	250	25	405	155	4	M24	380
			WBR0250x0250T2500	250	30	425	160	4	M24	390
			WBR2500x250T4000	250	38	450	168	4	M30	420
300	330	315 - 328	WBR3000x300T1000	300	22	445	152	4	M20	370
			WBR3000x300T1600	300	28	460	158	4	M24	420
			WBR3000x300T2500	300	32	485	162	4	M24	430
			WBR000x300T4000	300	40	515	170	4	M30	430

RESTRAINED FLANGE ADAPTER (RFA) - TABLE OF DIMENSIONS

RESTRAINED FLANGE ADAPTORS				HDG FASTENERS						
NB	Coupling		Product Code	Flange			Total Length	Tie Rod Detail		
	ID	Range		Size	Thick	OD		Nr	Diam	L
350	363	344 - 360	WBR3500x350T1000	350	25	505	165	4	M20	420
			WBR3500x350T1600	350	30	520	170	4	M24	430
			WBR3500x350T2500	350	35	555	175	4	M24	410
			WBR3500x350T4000	350	45	580	185	4	M30	460
400	413	391 - 410	WBR4000x400T1000	400	25	565	165	4	M24	410
			WBR4000x400T1600	400	35	580	175	4	M24	430
			WBR4000x400T2500	400	40	620	180	4	M30	450
			WBR4000x400T4000	400	50	660	190	4	M30	470
450	463	444 - 460	WBR4500x450T1000	450	30	615	170	4	M24	440
			WBR4500x450T1600	450	40	640	180	4	M24	460
			WBR4500x450T2500	450	45	670	185	4	M30	480
			WBR4500x450T4000	450	60	685	200	4	M30	510
500	513	494 - 510	WBR5000x500T1000	500	32	670	172	4	M24	450
			WBR5000x500T1600	500	40	715	180	4	M30	490
			WBR5000x500T2500	500	50	730	190	4	M30	510
			WBR5000x500T4000	500	70	755	210	4	M36	570
600	620	606 - 616	WBR6000x600T1000	600	38	780	178	4	M24	530
			WBR6000x600T1600	600	50	840	190	4	M30	570
			WBR6000x600T2500	600	60	845	200	4	M36	600
			WBR6000x600T4000	600	84	890	224	4	M45	670

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