

## Flexible Shaft Couplings



- For engines 5 to 1500 HP
- Reduces engine noise and vibration transmission
- Fail safe design
- Bolts between existing shaft flanges
- Requires no machining
- Simple to install
- Simple to periodically check alignment
- Wide range of stock
- Accepts propeller thrust
- Impervious to salt water, diesel and lubrication oils
- Fast installation time
- Electrical continuity available
- Worldwide availability
- Competitively priced

R & D Marine has developed a wide range of competitively priced Flexible Couplings to fit all major installations.

The R & D Flexible Couplings reduce engine noise, vibration transmission and are designed to accept propeller thrust, a separate thrust bearing and bulk head are not required.

The couplings are made from a polyester elastomer which is not affected by salt water, diesel and lubrication fluids.

If electrical continuity is required an earthing connector can be fitted in the centre of most Flexible Couplings.

Installation is quick and easy as the R & D Coupling requires no machining and comes supplied with bolts to connect between the two existing shaft flanges.

Checking alignment on installation and during service checks is quick and easy using the red cone headed bolt.

Products are available ex-stock and worldwide through our distribution network.

# R & D Flexible Shaft Couplings

## How to Select (details required)

1. Engine horse power and Engine Speed
2. Gearbox type and reduction ratio
3. Gearbox flange details. Diameter of flange. Diameter of register. Pitch circle diameter of fixing holes. Size and quantity of holes  
(Pitch circle diameter is the distance between the centre of hole at 12 O'clock position to the centre of the hole at 6 o'clock)

### Example

1. Ford 150 HP at 2500 RPM
2. Borg Warner Velvet Drive 72C 2:1 Reduction
3. 5" Flange, 2.500 dia Register, 4.250 PCD,  
4 off holes 0.437 diameter

To calculate Power of coupling required.

$$\frac{\text{Horse Power of Engine} \times \text{Reduction Ratio} \times 100}{\text{Engine Speed}} = \text{HP}/100\text{rpm}$$

$$\frac{150 \times 2 \times 100}{2500} = 12 \text{ HP}/100 \text{ rpm}$$

Coupling Required 910-009 Borg Warner

The R & D 910 Series couplings consist of a contoured flexible disc moulded in tough yet resilient new type Polyester Elastomer. The contoured disc gives clearance for bolt heads, and is able to flex freely to take up any temporary misalignment of the engine and shaft, due to flexing of the boat structure or the engine moving on its rubber vibration isolation mountings. Forward thrust is taken in compression on the disc between the two half couplings and reverse thrust is taken again in compression on the disc between the two fail safe straps. In the unlikely event of a disc failure, the steel straps make the coupling fail safe and ensure drive is maintained in both forward and reverse.

Couplings as standard are non-conducting but we can supply a silver impregnated rubber element to fit in the centre of the coupling between the two fail safe straps to give continuity if required.

## Flexible Coupling Information

Flexible Coupling	Gearbox Flange Dimensions							Flexible Coupling Details										
	Manufacturer	Diameter		No Bolts	Nom Dia Of Holes		Bolt Pitch Circle		Register		Diameter		Length		Bolt Dia	Capacity /100 rpm		Ref
		mm	Inch		mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch		kW	HP	
910-001	B/W, PRM, ZF-Hurth, Technodrive	101.6	4.00	4	10.0	0.39	82.55	3.25	63.5	2.50	114.3	4.5	32.5	1.28	M10	3.73	5	
910-002	Yanmar	101.6	4.00	4	10.0	0.39	78.00	3.07	50.0	1.97	114.3	4.5	32.5	1.28	M10	2.24	3	
910-003	B/W, PRM, ZF-Hurth, Twin Disc	146.0	5.75	6	12.7	0.50	120.6	4.75	76.2	3.00	152.4	6.0	47.5	1.87	1/2 UNF	14.92	20	X O
910-004	B/W, PRM, ZF-Hurth	101.6	4.00	4	10.0	0.39	82.55	3.25	63.5	2.50	114.3	4.5	35.6	1.40	M10	5.97	8	
910-005	Paragon	101.6	4.00	4	9.7	0.38	82.55	3.25	66.7	2.63	114.3	4.5	34.5	1.35	3/8 UNF	5.22	7	
910-006	Twin Disc, ZF-Hurth	146.0	5.75	6	16.0	0.63	120.6	4.75	76.2	3.00	152.4	6.0	47.5	1.87	1/2 UNF	14.92	20	O X O
910-007	Volvo	101.6	4.00	4	10.0	0.39	80.0	3.15	60.0	2.36	114.3	4.5	43.7	1.72	M10	2.24	3	
910-009	B/W, PRM, ZF-Hurth, Volvo	127.0	5.00	4	11.2	0.44	107.9	4.25	63.5	2.50	143.0	5.63	45.0	1.77	7/16 UNF	9.69	13	X O
910-012	Yanmar	127.0	5.00	4	10.0	0.39	100.0	3.93	65.0	2.56	135.0	5.31	45.0	1.77	M10	7.46	10	
910-013	Bukh	90.0	3.54	4	8.1	0.32	74.5	2.93	47.0	1.85	114.3	4.5	32.5	1.28	M8	2.24	3	
910-014	B/W, PRM, ZF-Hurth, Technodrive	101.6	4.00	4	10.0	0.39	82.55	3.25	63.5	2.50	114.3	4.5	32.5	1.28	M10	2.24	3	
910-015	Self Change 350HD	222.2	8.75	6	11.2	0.44	190.5	7.50	152.4	6.00	222.2	8.75	44.5	1.75	7/16 UNF	32.1	43	O
910-016	Self Change 700HD	260.4	10.25	6	16.0	0.63	228.6	9.00	152.4	6.00	276.4	10.88	58.0	2.28	5/8 UNF	48.47	65	X O
910-017	Twin Disc	184.2	7.25	6	19.0	0.75	152.4	6.00	95.25	3.75	190.5	7.5	60.7	2.39	5/8 UNF	29.84	40	O X O
910-018	PRM	184.2	7.25	6	16.0	0.63	152.4	6.00	95.25	3.75	190.5	7.5	60.7	2.39	5/8 UNF	29.84	40	X O
910-019	Volvo	101.6	4.00	4	10.0	0.39	80.0	3.15	60.0	2.36	114.3	4.5	32.5	1.28	M10	2.24	3	
910-020	Volvo	101.6	4.00	4	10.0	0.39	80.0	3.15	60.0	2.36	114.3	4.5	32.5	1.28	M10	3.73	5	
910-021	Enfield, Sonic	101.6	4.00	2	11.2	0.44	76.0	3.00	---	---	108.0	4.25	41.7	1.64	7/16 UNF	1.87	2.5	
910-022	Twin Disc	228.6	9.00	8	22.6	0.89	190.5	7.50	152.4	6.00	222.2	8.75	44.5	1.75	1/2 UNF	48.47	65	O X O
910-024	Twin Disc	266.7	10.5	8	25.4	1.00	222.2	8.75	127.0	5.00	276.4	10.88	56.7	2.23	5/8 UNF	63.38	85	O X O
910-025	B/W, PRM, ZF-Hurth, Twin Disc	146.0	5.75	6	12.7	0.5	120.6	4.75	76.2	3.00	152.4	6.0	49.8	1.96	1/2 UNF	20.88	28	X O
910-026	Twin Disc	146.0	5.75	6	16.0	0.63	120.6	4.75	76.2	3.00	152.4	6.0	49.8	1.96	1/2 UNF	20.88	28	O X O
910-027	ZF W320 320A	225	8.86	8	17.0	0.67	196	7.72	140	5.51	228.6	9.0	44.5	1.75	1/2 UNF	48.47	65	O
910-028	Bukh	90.0	3.54	4	8.1	0.32	74.5	2.93	47.0	1.85	114.3	4.5	32.5	1.28	M8	3.73	5	
910-029	B/W, ZF-Hurth, Volvo	127.0	5.00	4	11.2	0.44	107.9	4.25	63.5	2.50	143.0	5.63	52.4	2.06	7/16 UNF	14.92	20	O
910-030		292.1	11.5	8	25.4	1.00	247.6	9.75	152.4	6.00	292.1	11.5	58.4	2.30	5/8 UNF	89.48	120	O X O
910-032	B/W, PRM, ZF-Hurth, Twin Disc	146.0	5.75	6	12.7	0.5	120.6	4.75	76.2	3.00	152.4	6.0	55.4	2.18	1/2 UNF	27.6	37	
910-033	Twin Disc, ZF-Hurth	146.0	5.75	6	16.0	0.63	120.6	4.75	76.2	3.00	152.4	6.0	55.4	2.18	1/2 UNF	27.6	37	O
910-034	Open Centre V Drive 52mm Bore	127.0	5.00	4	11.2	0.44	107.9	4.25	63.5	2.50	162.0	6.38	45.0	1.77	7/16 UNF	8.95	12	#
910-035		340.0	13.38	8	25.4	1.00	295.3	11.63	152.4	6.00	348.0	13.7	108.0	4.25	5/8 UNF	119.3	160	O
910-036	Twin Disc	127.0	5.00	4	10.0	0.39	104.8	4.13	63.5	2.50	143.0	5.63	45.0	1.77	M10	7.46	10	
910-037	Yanmar	130.0	5.12	4	12.3	0.48	107.9	4.25	63.5	2.50	143.0	5.63	51.1	2.01	7/16 UNF	9.69	13	
910-038	Taipoungyang TK 250	178.0	7.00	6	14.3	0.56	152.0	5.984	100	3.94	190.5	7.50	63.3	2.49	M14	41.0	55	
910-039	Twin Disc	184.2	7.25	6	19.0	0.75	152.4	6.00	95.25	3.75	190.5	7.50	63.3	2.49	5/8 UNF	41.0	55	O O
910-040	PRM	184.2	7.25	6	16.0	0.63	152.4	6.00	95.25	3.75	190.5	7.50	63.3	2.49	5/8 UNF	41.0	55	O
910-041		292.1	11.5	8	25.4	1.00	247.6	9.75	152.4	6.00	292.1	11.5	58.4	2.30	5/8 UNF	104.4	140	O
910-042	Dong-I DMT 170HL	287.2	11.3	6	25.1	0.98	240.0	9.45	160.0	6.30	292.1	11.5	58.4	2.30	5/8 UNF	67.0	90	O
910-043	Yanmar	101.6	4.00	4	10.0	0.39	78.0	3.07	50.0	1.97	114.3	4.5	32.5	1.28	M10	3.73	5	
910-044	B/W, PRM, ZF-Hurth, Volvo	127.0	5.00	4	11.2	0.44	107.9	4.25	63.5	2.50	143.0	5.63	45.0	1.77	7/16 UNF	5.97	8	
910-045		340.0	13.38	8	25.4	1.00	295.3	11.63	152.4	6.00	348.0	13.7	108.0	4.25	3/4 UNF	171.5	230	O O
910-046	Allison M25	228.6	9.00	8	19.0	0.75	190.5	7.50	152.4	6.00	222.2	8.75	44.5	1.75	1/2 UNF	48.47	65	O
910-047	Dong-I DMT 260H	292.1	11.5	6	21.0	0.826	240.0	9.45	150.0	5.90	292.1	11.5	58.4	2.30	5/8 UNF	67.0	90	O
910-048	Twin Disc MG 5111 SC	228.6	9.00	6 (8)	22.6	0.89	190.5	7.50	152.4	6.00	222.2	8.75	62.7	2.47	1/2 UNF	48.47	65	O X O
910-049	ZF 325-1A Volvo Flange	205.0	8.07	10	18.0	0.71	170.0	6.69	140.0	5.51	223.0	8.78	124.0	4.88	M18	56	75	
910-050	Twin Disc 510A/5114A	230.0	9.00	8	22.6	0.89	190.5	7.50	152.4	6.00	230.0	9.00	101.6	4.0	1/2 UNF	63.38	85	O
910-051	Twin Disc MG 521	279.4	11.00	8	19.0	0.75	241.3	9.50	152.4	6.00	260.4	11.25	58.4	2.30	5/8 UNF	89.48	120	O
910-052	Lister	120.7	4.75	6	11.2	0.44	98.5	3.88	63.5	2.50	150.9	5.94	69.9	2.75	7/16 UNF	7.46	10	
910-053	Dong-I DMT 150H	218	8.58	6	20.0	0.79	180.0	7.09	140.0	5.51	222.2	8.75	45.0	1.77	1/2 UNF	35.8	48	O
910-054	Open Centre V Drive 58mm Bore	146.0	5.75	6	12.7	0.50	120.6	4.75	76.2	3.00	172.0	6.77	47.5	1.87	1/2 UNF	17.9	24	
910-055	Open Centre V Drive 52mm Bore	127.0	5.00	4	11.2	0.44	107.9	4.25	63.5	2.50	162.0	6.38	45.0	1.77	7/16 UNF	5.2	7	#
910-057	B/W, Hurth, Volvo	127.0	5.00	4	11.2	0.44	107.9	4.25	63.5	2.50	143.0	5.63	52.4	2.06	7/16 UNF	18.64	25	
910-058	Dong-I DMT 70T, 90T, 100T	178.0	7.00	6	16.0	0.63	152.0	5.984	100.0	3.94	190.5	7.50	63.3	2.49	5/8 UNF	41.0	55	
910-059	Volvo	101.6	4.00	4	10.0	0.39	80.0	3.15	60.0	2.36	114.3	4.5	35.6	1.40	M10	5.96	8	
910-060	TMP	112.8	4.44	2	11.2	0.44	81.0	3.19	---	---	112.8	4.44	38.1	1.50	7/16 UNF	2.42	3.25	
910-061	Open Centre V Drive 52mm Bore	127.0	5.00	4	11.2	0.44	107.9	4.25	63.5	2.50	162.0	6.38	52.6	2.07	7/16 UNF	14.16	19	
910-062	Dong-I DMT 140H	198.0	7.80	6	16.0	0.63	170.0	6.69	130.0	5.12	210.0	8.27	48.2	1.90	M16	47.0	63	
910-063	Open Centre V Drive 58mm Bore	146.0	5.75	6	12.7	0.50	120.6	4.75	76.2	3.00	172.0	6.77	55.5	2.185	1/2 UNF	23.8	32	
910-064	Open Centre V Drive 67mm Bore	184.2	7.25	6	16.0	0.63	152.4	6.00	95.25	3.75	230.0	9.06	63.8	2.51	5/8 UNF	37.3	50	
910-068	Yanmar	101.6	4.00	4	10.0	0.39	78.00	3.07	50.0	1.97	114.3	4.5	35.9	1.41	M10	5.97	8	

O These couplings are fitted with a shouldered bush to locate in the gearbox flange

X These flexible couplings have been approved by LLOYDS REGISTER OF SHIPPING

O These flexible couplings have been approved by BUREAU VERITAS

# For the Hurth HBW 150 V Gearbox an adaptor 202-351 is required (22.3 mm 0.875" long)

For the IRM 220A Gearbox, we can supply adapter plate 202-384 (54mm 2.125" long) and for the Twin Disc 502 Gearbox, adapter plate 202-148 (54mm 2.125" long) that bolt onto flexible coupling 910-003, 910-025 or 910-032 and with half coupling 202-037 or 202-054, alternatively clamp type 202-176 or 202-178

$$\text{HP} \times 0.7457 = \text{KW}$$

$$\text{KW} \times 1.341 = \text{HP}$$

# Coupling Selection Guide

## ALLISON

M25 9" Flange 910-046

## BORG WARNER

4" Flange 910-001, 910-004, 910-014

70C  
71C  
500  
1000  
1500

5" Flange 910-009(BW) 910-029, 910-044(BW), 910-057

71C  
72C  
5000  
6" Flange 910-003, 910-025, 910-032  
73C  
7000

## BUKH

4" Flange 910-013, 910-028

## DONG I

DMT 70T 178 mm Flange 910-058

DMT 90T  
DMT 100T  
DMT 140H 198 mm Flange 910-062  
DMT 150H 218 mm Flange 910-053  
DMT 170HL 287 mm Flange 910-042  
DMT 260H 292 mm Flange 910-047

## ENFIELD and SONIC DRIVES

2 Bolt 910-021

## LISTER

4 1/2" Flange 910-052

## NEWAGE PRM

S= Shallow Case, D= Deep Case

4" Flange 910-001, 910-004, 910-014

Delta  
80  
120  
150

5" Flange 910-009(PR) 910-044(PR)  
101 910-029

140  
160  
260

6" Flange 910-003, 910-025, 910-032

175  
265  
301  
302  
310  
401  
402  
500  
750

601 3:1  
1000 3:1

7 1/2" Flange 910-018, 910-040

601 4:1  
1000 4:1

1200S  
1500S  
1750S

10 1/2" Flange 910-024

1200D  
1500D  
1750D

## PARAGON

4" Flange 910-005

## SELF CHANGE GEARS

8 3/4" Flange 910-015

350HD  
10 3/4" Flange 910-016  
700

## TAIPEOUNGYANG

178 mm Flange 910-038

TK250

## TECHNODRIVE

4" Flange 910-001, 910-004, 910-014

TMC30  
TMC40  
TMC50  
TMC60  
TM260

5" Flange 910-009(PR) 910-029  
TM93 - needs spacer 202-560 910-044(PR)

TM93A  
TM170  
TM170A  
TM345  
TM345A  
TM485A  
TM545A  
TM880A

6" Flange 910-006, 910-026, 910-033

TM130B  
TM200B up to 1.28: 1  
TM265

7 1/4" Flange 910-018  
TMC200B up to 4.48: 1

TM1200A

## TMP

2 Bolt 910-060

5" Flange 910-009(PR) 910-044(PR)  
12000

## TWIN DISC

SC= Shallow Case, DC= Deep Case

4" Flange 910-001, 910-004, 910-014

MG 340  
MG 360  
MG5010SC  
MG5011SC  
MG5010V

4 3/4" Flange Adaptor 202-148 with  
MG502-I 910-003, 910-025, 910-032

MG502-V  
5" Flange 4 1/2 PCD 910-036

MG5010A  
MG5011A  
5" Flange 4 1/2 PCD 910-009(PR) 910-044(PR)  
MG5005A 910-029, 910-057

MG5012SC  
MG5015A  
MG5020SC  
MG5055A

6" Flange 910-006, 910-026, 910-033

MG5010DC  
MG5050  
MG5050-V  
MG5050-A  
MG5061SC  
MG5061-A  
MG5061V  
MG5062V  
MG506-1  
MG506A-1  
MG507-1  
MG507A-1  
MG5075IV  
MG5075-A  
MG5075SC

7 1/2" Flange 910-017, 910-039

MG506DC  
MG5065A  
MG507-1  
MG507-1SC  
MG507-2SC  
MG507A-2  
MG5075A - needs adaptor 202-356

MG5075SC  
MG5075IV  
MG5081SC  
MG5081A - needs adaptor 202-356  
MG5082A  
MG5082SC  
MG5085SC - needs adaptor 202-356  
MG5085A - needs adaptor 202-356

MG5090A  
MG509SC  
MG509U  
MG5091SC  
MG5095A  
MGX5095A

## TWIN DISC cont`d

9" Scalloped Flange 910-048

MG5111SC  
MG5114SC

9" Flange 910-022, 910-050

MG510SC  
MG510A  
MG5111A  
MG5114A  
MG5111V,  
MG5114V  
MG514CU  
MG514U  
MG5135A  
MG&MGX5126A - Special long bolts for flange

10 1/2" Flange 910-024

MG5091DC  
MG509DC  
MG510DC  
MG5111DC  
MG5114DC  
MG5113  
MG514

## VOLVO

4" Flange 910-007

MS  
RB

4" Flange 910-019, 910-020, 910-059

MS 2  
MS 10  
MS 15  
MS25

5" Flange 910-009(VO), 910-029  
MS 3 910-044(VO), 910-057

MS4  
MS5  
HS25A  
HS45A  
HS63A

6" Flange 910-006, 910-026  
HS80A 910-033  
HS85AE

## YANMAR (KANZAKI)

4" Flange 78mm PCD 910-002

KBW10 910-043  
KM2 910-068

KM3  
KM35

5" Flange 100mm PCD 910-012

KBW20  
KBW21  
KM4  
KM4A  
KMH4A

5 1/2" Flange 4 1/2 PCD 910-009, 910-029, 910-037

KM40 910-057  
KM5

KMH40A  
KMH41A  
KMH50  
KMH50A  
KMH51A

6" Flange 910-006, 910-026, 910-033

KMH6  
KMH60  
KMH61A  
KMH61V 910-063

## ZF-HURTH

4" Flange 910-001, 910-004, 910-014

ZF  
35 HBW  
40 HBW  
50 HBW  
100 HBW  
125H HSW  
125 HBW  
150 HBW  
150A HBW  
250 HBW  
250H HSW  
250A HSW

ZF  
35  
4M  
5M  
10M  
12  
12M  
15M  
15MA  
25M  
25  
25A  
25MA  
30M  
45A 1.25:1  
45C

## ZF HURTH cont`d

4 3/4" Adaptor 202-384 with 910-003  
910-025, 910-032

ZF  
220A-1 IRM 220A  
225Az

5" Flange 910-009(PR), 910-029  
910-044(PR), 910-057

HBW HSW ZF

360 450H2  
450A2 45A  
450D 45C  
630H1 63  
630A1 63A  
630D 63C  
88C  
90TS  
90ATS  
110TS

6" Flange 13.2 mm bolt holes 910-003,  
910-025, 910-032

ZF  
45-1

6" Flange 16.3mm bolt holes 910-006,  
910-026, 910-033

HSW IRM ZF

800A2 80A  
800A3 80-1A  
85A  
220 needs adaptor  
202-329

280A  
280-1  
280V-LD 280-1A  
280PL 280IV  
280

285A  
285IV  
286  
286A  
286IV  
300TS  
300-1TS  
300ATS  
300-1ATS

301PL-2 301C  
301A-2 301A  
300VTS 300IVTS  
110ATS  
110IVTS

7 1/2" Flange 910-017

IRM  
311

8" Flange 910-049

IRM ZF  
311PL 311  
325-1A Volvo  
335A

350PL-2 350  
350A-2 350A  
350PL-1  
350A-1

350 TS  
350 ATS  
350V  
350V-LD 350 IV  
360A  
500A  
500-1A

8 3/4" Flange 910-027

IRM ZF  
320-2 W320  
320A

350V  
350V-LD 350 IV  
360A  
500A  
500-1A

350V  
350V-LD 350 IV  
360A  
500A  
500-1A

350V  
350V-LD 350 IV  
360A  
500A  
500-1A

350V  
350V-LD 350 IV  
360A  
500A  
500-1A

350V  
350V-LD 350 IV  
360A  
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350V-LD 350 IV  
360A  
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350V  
350V-LD 350 IV  
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350V  
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350V-LD 350 IV  
360A  
500A  
500-1A

350V  
350V-LD 350 IV  
360A  
500A  
500-1A

350V  
350V-LD 350 IV  
360A  
500A  
500-1A

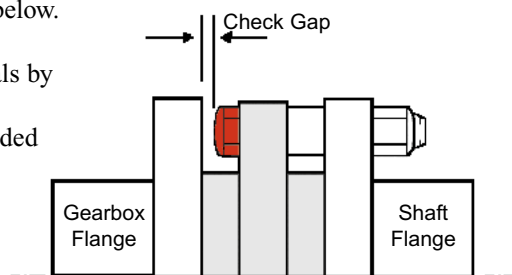
350V  
350V-LD 350 IV  
360A  
500A  
500-1A

350V  
350V-LD 350 IV  
360A  
500A  
500-1A

Couplings 910-030, 910-035, 910-041 and 910-045 will require suitable adaptors for the gearbox flange

# INSTALLATION PROCEDURE FOR R & D MARINE COUPLINGS

1. Roughly align engine and stern gear without flexible coupling i.e. only two rigid half couplings pushed together.
2. Bolt "R & D Marine" coupling between the two rigid couplings. Tightening details as below.
3. Check alignment of engine by placing feeler gauges between the **RED CONE HEADED BOLT** and the rigid half coupling. Repeat for the **SAME** bolt at 90° intervals by rotating the shaft.
4. If the gap is the same in all four positions, the engine is accurately aligned. Recommended minimum to maximum gap difference: 0.25 mm / 0.010 inch.
5. Run installation to bring engine compartment to working temperature.  
Re-check torque settings.



Recommended tightening torque:

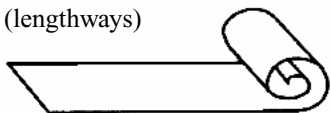
M8 - 27 Nm *20 lbsft*    3/8 UNF - 40 Nm *30 lbsft*    M10 - 54 Nm *40 lbsft*    7/16 UNF - 81 Nm *60 lbsft*    M12 - 108 Nm *80 lbsft*  
 1/2 UNF - 100 Nm *75 lbsft*    5/8 UNF - 210 Nm *155 lbsft*    M18 - 338 Nm *250 lbsft*    3/4 UNF - 366 Nm *270 lbsft*

## EARTHING CONNECTORS

'R & D Marine' Earthing Connector consists of a silver impregnated rubber strip, which when fitted through the axis of the coupling between the two fail safe straps gives electrical continuity. R & D have sizes to fit most 910 series couplings.

### INSTALLATION PROCEDURE FOR R&D EARTHING CONNECTORS

1. While carrying out the following procedure, ensure that the connector is not contaminated by grease or dirt.
2. Before fitting the coupling into the drive train, remove 2 off bolts holding one of the fail safe straps.
3. Remove the fail safe strap to uncover the hole in the centre of the coupling.
4. Roll up the earthing connector (lengthways) as tight as possible.



5. Push into the hole previously uncovered by removing the strap as far as possible.
6. Replace the fail safe strap ensuring that the connector is not damaged, replace 2 off bolts.
7. Fit the coupling as per the installation instructions.
8. Check electrical continuity on installation and thereafter at three to six month intervals.

R & D Marine Earthing Connector Application Guide		
Part No	Size (mm)	To Suit Coupling
103-036	9 x 57	910-021
103-037	11 x 57	910-001, 002, 007, 013, 014, 019, 020, 028, 043
103-038	15 x 57	910-004, 005
103-039	17 x 57	910-003, 006, 009, 012, 036, 037, 044, 052
103-040	19 x 57	910-017, 018, 025, 026
103-041	23 x 57	910-029, 038, 039, 040, 057
103-042	25 x 57	910-032, 033
103-043	15 x 75	910-015, 016, 022, 024, 046, 048, 053
103-044	17 x 75	910-030, 041, 042, 047, 051
103-047	9 x 30	910-035, 045, 049, 050
103-053	19 x 75	910-062



Designs are subject to constant review and improvement therefore we reserve the right to amend any dimension or detail specified or illustrated in this publication without notice and without incurring any obligation to provide such modification to products previously delivered.



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