



BONDED SEALS

METAL OUTER RINGS

Most common used released metals

Most common used industrial metals

Dowty Metal Reference	Metal Type	Material Specification	Tensile Strength MN/m ² (minimum)	Special Plating Conditions
02	MILD STEEL CADMIUM PLATED	BS1449 PART 1: 1983 CS4 BRH 5	540	CADMIUM PLATED TO DTD904C OR DEF STAN 03-19, COLOUR PASSIVATED TO DEF 03-33
12	MILD STEEL CADMIUM PLATED	BS1449 PART 1: 1983 CS4 BRH 5	540	CADMIUM PLATED TO DTD904C OR DEF STAN 03-19 WITH IDENTIFICATION MARKS TO GD1967 COLOUR PASSIVATED TO DEF 03-33
13	MILD STEEL CADMIUM PLATED	BS1449 PART 1: 1983 CS4 BRH 5	540	CADMIUM PLATED TO DTD904C OR DEF STAN 03-19 WITH IDENTIFICATION MARKS TO GD1483
41	MILD STEEL ZINC PLATED	BS1449 PART 1: 1983 CS4 BRH 5	540	ZINC PLATED TO DEF STAN 03-20/1 COLOUR PASSIVATED TO DEF 03-33
08	STAINLESS STEEL TYPE 416	BS1449 PART 2 410 S21	540	
31	STAINLESS STEEL AEROSPACE RELEASED MATERIAL	BS 5130	540	LOW MAGNETISM (AUSTENITIC)
74	STAINLESS STEEL TYPE 316	BS1449 PART 2 316 S33	540	
26	HIGH STRENGTH STEEL	BS970 PART 1: 1983 817 M4OU	925	
73	HIGH STRENGTH STEEL CADMIUM PLATED	BS970 PART 1: 1983 817 M4OU	925	CADMIUM PLATED TO DTD904C OR DEF STAN 03-19 COLOUR PASSIVATED TO DEF 03-33
19	LIGHT ALLOY	L102 1971 (1985)	370	
05	LIGHT ALLOY ANODISED	L168:1978 BAR L156:1978 (SHEET & STRIP)	370	ANODISED TO DEF STAN 03-24
16	LIGHT ALLOY ANODISED RED SEE NOTE BELOW	L102 1971 (1985)	370	ANODISED TO DEF STAN 03-24 (RED)
18	LIGHT ALLOY ANODISED GREEN SEE NOTE BELOW	L102 1971 (1985)	370	ANODISED TO DEF STAN 03-24 (GREEN)
10	BRASS	STEEL STRIP BS2870:1980 CZ106 BAR BS2876:1986 CZ121	380	
09	BRASS	STEEL STRIP BS2870:1980 CZ106 BAR BS2876:1986 CZ121	380	CADMIUM PLATED TO DEF STAN 03-33
28	ALUMINIUM BRONZE	BS2874: 1986 CZ104	700	

Note: For identification purpose light alloy 16 (red) is used with 5615 elastomer; light alloy 18 (green) is used with 0073 elastomer.