



BUMAX®
THE WORLD'S STRONGEST
STAINLESS STEEL BOLT



BUMAX®

Stock List 2011



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A.B.N. 38 000 289 958

Quality Fasteners Since 1935

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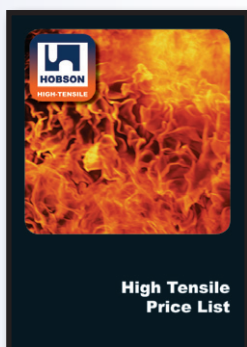
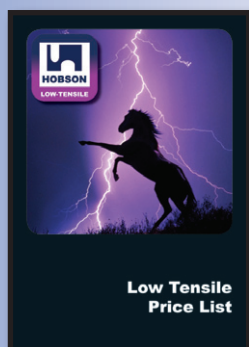
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Since 1935 ...because quality matters

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Allthread BUMAX® 88



ALLTHREAD BUMAX® 88 DIN976

Part	BUMAX® Part	Size	Length (mm)	Pack Qty	Pack Wgt (Kg)	Stock
ALB8PCM051000	976A4B05100088	M5	1000	1	0.12	✓
ALB8PCM061000	976A4B06100088	M6	1000	1	0.17	✓
ALB8PCM081000	976A4B08100088	M8	1000	1	0.32	✓
ALB8PCM101000	976A4B10100088	M10	1000	1	0.50	✓
ALB8PCM121000	976A4B12100088	M12	1000	1	0.72	✓
ALB8PCM141000	976A4B14100088	M14	1000	1	0.99	✓
ALB8PCM161000	976A4B16100088	M16	1000	1	1.33	✓
ALB8PCM181000	976A4B18100088	M18	1000	1	1.65	✓
ALB8PCM201000	976A4B20100088	M20	1000	1	2.08	✓
ALB8PCM221000	976A4B22100088	M22	1000	1	2.57	✓
ALB8PCM241000	976A4B24100088	M24	1000	1	3.00	✓
ALB8PCM271000	976A4B27100088	M27	1000	1	3.88	✓
ALB8PCM301000	976A4B30100088	M30	1000	1	4.75	✓
ALB8PCM331000	976A4B33100088	M33	1000	1	5.84	✓
ALB8PCM361000	976A4B36100088	M36	1000	1	6.90	✓



HEX BOLTS BUMAX® 88 ISO4014

Part	BUMAX® Part	Size	Length (mm)	Pack Qty	Pack Wgt (Kg)	Stock
BHB8PCM060030	4014A40603088	M6	30	100	0.84	✓
BHB8PCM060035	4014A40603588	M6	35	100	0.94	✓
BHB8PCM060040	4014A40604088	M6	40	100	1.05	✓
BHB8PCM060045	4014A40604588	M6	45	100	1.20	✓
BHB8PCM060050	4014A40605088	M6	50	100	1.30	✓
BHB8PCM060055	4014A40605588	M6	55	100	1.40	✓
BHB8PCM060060	4014A40606088	M6	60	100	1.50	✓
BHB8PCM060065	4014A40606588	M6	65	100	1.60	✓
BHB8PCM060070	4014A40607088	M6	70	100	1.70	✓
BHB8PCM060080	4014A40608088	M6	80	100	1.90	✓
BHB8PCM060090	4014A40609088	M6	90	100	2.11	✓
BHB8PCM060100	4014A40610088	M6	100	100	2.30	✓
BHB8PCM060110	4014A40611088	M6	110	100	2.50	✓
BHB8PCM060120	4014A40612088	M6	120	100	2.70	✓
BHB8PCM060130	4014A40613088	M6	130	100	2.95	✓

Hex Bolts BUMAX® 88



HEX BOLTS BUMAX® 88 ISO4014

Part	BUMAX® Part	Size	Length (mm)	Pack Qty	Pack Wgt (Kg)	Stock
BHB8PCM080035	4014A40803588	M8	35	50	0.90	✓
BHB8PCM080040	4014A40804088	M8	40	50	0.99	✓
BHB8PCM080045	4014A40804588	M8	45	50	1.09	✓
BHB8PCM080050	4014A40805088	M8	50	50	1.19	✓
BHB8PCM080055	4014A40805588	M8	55	50	1.28	✓
BHB8PCM080060	4014A40806088	M8	60	50	1.38	✓
BHB8PCM080065	4014A40806588	M8	65	50	1.47	✓
BHB8PCM080070	4014A40807088	M8	70	50	1.57	✓
BHB8PCM080075	4014A40807588	M8	75	50	1.67	✓
BHB8PCM080080	4014A40808088	M8	80	50	1.76	✓
BHB8PCM080090	4014A40809088	M8	90	50	1.85	✓
BHB8PCM080100	4014A40810088	M8	100	50	2.15	✓
BHB8PCM080110	4014A40811088	M8	110	50	2.34	✓
BHB8PCM080120	4014A40812088	M8	120	50	2.53	✓
BHB8PCM080130	4014A40813088	M8	130	50	2.70	✓
BHB8PCM080140	4014A40814088	M8	140	50	2.89	✓
BHB8PCM080150	4014A40815088	M8	150	50	3.09	✓
BHB8PCM100040	4014A41004088	M10	40	50	1.63	✓
BHB8PCM100045	4014A41004588	M10	45	50	1.78	✓
BHB8PCM100050	4014A41005088	M10	50	50	1.93	✓
BHB8PCM100055	4014A41005588	M10	55	50	2.08	✓
BHB8PCM100060	4014A41006088	M10	60	50	2.23	✓
BHB8PCM100065	4014A41006588	M10	65	50	2.38	✓
BHB8PCM100070	4014A41007088	M10	70	50	2.53	✓
BHB8PCM100075	4014A41007588	M10	75	50	2.68	✓
BHB8PCM100080	4014A41008088	M10	80	50	2.83	✓
BHB8PCM100085	4014A41008588	M10	85	50	2.99	✓
BHB8PCM100090	4014A41009088	M10	90	50	3.14	✓
BHB8PCM100100	4014A41010088	M10	100	50	3.44	✓
BHB8PCM100110	4014A41011088	M10	110	50	3.74	✓
BHB8PCM100120	4014A41012088	M10	120	50	4.04	✓
BHB8PCM100130	4014A41013088	M10	130	50	4.17	✓
BHB8PCM100140	4014A41014088	M10	140	50	4.47	✓
BHB8PCM100150	4014A41015088	M10	150	50	4.77	✓
BHB8PCM100160	4014A41016088	M10	160	50	5.07	✓
BHB8PCM100180	4014A41018088	M10	180	50	5.68	✓
BHB8PCM100200	4014A41020088	M10	200	50	6.28	✓



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Hex Bolts BUMAX® 88



HEX BOLTS BUMAX® 88 ISO4014

Part	BUMAX® Part	Size	Length (mm)	Pack Qty	Pack Wgt (Kg)	Stock
BHB8PCM120045	4014A41204588	M12	45	25	1.28	✓
BHB8PCM120050	4014A41205088	M12	50	25	1.38	✓
BHB8PCM120055	4014A41205588	M12	55	25	1.49	✓
BHB8PCM120060	4014A41206088	M12	60	25	1.60	✓
BHB8PCM120065	4014A41206588	M12	65	25	1.71	✓
BHB8PCM120070	4014A41207088	M12	70	25	1.82	✓
BHB8PCM120075	4014A41207588	M12	75	25	1.93	✓
BHB8PCM120080	4014A41208088	M12	80	25	2.04	✓
BHB8PCM120090	4014A41209088	M12	90	25	2.25	✓
BHB8PCM120100	4014A41210088	M12	100	25	2.47	✓
BHB8PCM120110	4014A41211088	M12	110	25	2.73	✓
BHB8PCM120120	4014A41212088	M12	120	25	2.90	✓
BHB8PCM120130	4014A41213088	M12	130	25	3.10	✓
BHB8PCM120140	4014A41214088	M12	140	25	3.31	✓
BHB8PCM120150	4014A41215088	M12	150	25	3.53	✓
BHB8PCM120160	4014A41216088	M12	160	25	3.75	✓
BHB8PCM120180	4014A41218088	M12	180	25	4.18	✓
BHB8PCM140080	4014A41408088	M14	80	25	3.00	✓
BHB8PCM140090	4014A41409088	M14	90	25	3.16	✓
BHB8PCM140100	4014A41410088	M14	100	25	3.45	✓
BHB8PCM140120	4014A41412088	M14	120	25	4.05	✓
BHB8PCM140140	4014A41414088	M14	140	25	4.61	✓
BHB8PCM160050	4014A41605088	M16	50	25	2.70	✓
BHB8PCM160055	4014A41605588	M16	55	25	2.89	✓
BHB8PCM160060	4014A41606088	M16	60	25	3.08	✓
BHB8PCM160065	4014A41606588	M16	65	25	3.28	✓
BHB8PCM160070	4014A41607088	M16	70	25	3.47	✓
BHB8PCM160075	4014A41607588	M16	75	25	3.66	✓
BHB8PCM160080	4014A41608088	M16	80	25	3.86	✓
BHB8PCM160090	4014A41609088	M16	90	25	4.24	✓
BHB8PCM160100	4014A41610088	M16	100	25	4.63	✓
BHB8PCM160110	4014A41611088	M16	110	25	5.02	✓
BHB8PCM160120	4014A41612088	M16	120	25	5.40	✓
BHB8PCM160130	4014A41613088	M16	130	25	5.75	✓
BHB8PCM160140	4014A41614088	M16	140	25	6.14	✓
BHB8PCM160150	4014A41615088	M16	150	25	6.53	✓
BHB8PCM160160	4014A41616088	M16	160	25	6.92	✓
BHB8PCM160170	4014A41617088	M16	170	25	7.26	✓
BHB8PCM160180	4014A41618088	M16	180	25	7.69	✓
BHB8PCM160200	4014A41620088	M16	200	25	8.46	✓

Hex Bolts BUMAX® 88



HEX BOLTS BUMAX® 88 ISO4014

Part	BUMAX® Part	Size	Length (mm)	Pack Qty	Pack Wgt (Kg)	Stock
BHB8PCM180090	4014A41809088	M18	90	10	2.21	✓
BHB8PCM180100	4014A41810088	M18	100	10	2.40	✓
BHB8PCM180120	4014A41812088	M18	120	10	2.80	✓
BHB8PCM180140	4014A41814088	M18	140	10	3.18	✓
BHB8PCM180150	4014A41815088	M18	150	10	3.38	✓
BHB8PCM200070	4014A42007088	M20	70	10	2.30	✓
BHB8PCM200075	4014A42007588	M20	75	10	2.42	✓
BHB8PCM200080	4014A42008088	M20	80	10	2.54	✓
BHB8PCM200090	4014A42009088	M20	90	10	2.79	✓
BHB8PCM200100	4014A42010088	M20	100	10	3.03	✓
BHB8PCM200110	4014A42011088	M20	110	10	3.28	✓
BHB8PCM200120	4014A42012088	M20	120	10	3.52	✓
BHB8PCM200130	4014A42013088	M20	130	10	3.75	✓
BHB8PCM200140	4014A42014088	M20	140	10	3.99	✓
BHB8PCM200150	4014A42015088	M20	150	10	4.23	✓
BHB8PCM200160	4014A42016088	M20	160	10	4.48	✓
BHB8PCM200180	4014A42018088	M20	180	10	4.97	✓
BHB8PCM200200	4014A42020088	M20	200	10	5.46	✓
BHB8PCM240075	4014A42407588	M24	75	10	3.68	✓
BHB8PCM240080	4014A42408088	M24	80	10	3.86	✓
BHB8PCM240090	4014A42409088	M24	90	10	4.21	✓
BHB8PCM240100	4014A42410088	M24	100	10	4.56	✓
BHB8PCM240110	4014A42411088	M24	110	10	4.91	✓
BHB8PCM240120	4014A42412088	M24	120	10	5.27	✓
BHB8PCM240130	4014A42413088	M24	130	10	5.58	✓
BHB8PCM240140	4014A42414088	M24	140	10	5.93	✓
BHB8PCM240150	4014A42415088	M24	150	10	6.29	✓
BHB8PCM240160	4014A42416088	M24	160	10	6.64	✓
BHB8PCM240180	4014A42418088	M24	180	10	7.35	✓
BHB8PCM240200	4014A42420088	M24	200	10	8.05	✓



BUMAX® 88



Hex Bolts BUMAX® 88



HEX BOLTS BUMAX® 88 ISO4014

Part	BUMAX® Part	Size	Length (mm)	Pack Qty	Pack Wgt (Kg)	Stock
BHB8PCM270100	4014A42710088	M27	100	10	6.03	✓
BHB8PCM270110	4014A42711088	M27	110	10	6.49	✓
BHB8PCM270120	4014A42712088	M27	120	10	6.95	✓
BHB8PCM270130	4014A42713088	M27	130	10	7.20	✓
BHB8PCM270140	4014A42714088	M27	140	10	7.65	✓
BHB8PCM270150	4014A42715088	M27	150	10	8.10	✓
BHB8PCM270160	4014A42716088	M27	160	10	8.55	✓
BHB8PCM270180	4014A42718088	M27	180	10	9.45	✓
BHB8PCM270200	4014A42720088	M27	200	10	10.30	✓
BHB8PCM270210	4014A42721088	M27	210	10	10.80	✓
BHB8PCM300080	4014A43008088	M30	80	10	6.57	✓
BHB8PCM300090	4014A43009088	M30	90	10	7.12	✓
BHB8PCM300100	4014A43010088	M30	100	10	7.67	✓
BHB8PCM300110	4014A43011088	M30	110	10	8.24	✓
BHB8PCM300120	4014A43012088	M30	120	10	8.80	✓
BHB8PCM300130	4014A43013088	M30	130	10	9.20	✓
BHB8PCM300140	4014A43014088	M30	140	10	9.75	✓
BHB8PCM300150	4014A43015088	M30	150	10	10.33	✓
BHB8PCM300160	4014A43016088	M30	160	10	10.90	✓
BHB8PCM300180	4014A43018088	M30	180	10	12.00	✓
BHB8PCM300200	4014A43020088	M30	200	10	13.10	✓
BHB8PCM300235	4014A43023588	M30	235	10	15.60	✓
BHB8PCM360100	4014A43610088	M36	100	10	11.70	✓
BHB8PCM360120	4014A43612088	M36	120	10	13.30	✓
BHB8PCM360140	4014A43614088	M36	140	10	14.80	✓
BHB8PCM360160	4014A43616088	M36	160	10	16.40	✓
BHB8PCM360180	4014A43618088	M36	180	10	18.00	✓
BHB8PCM360200	4014A43620088	M36	200	10	19.60	✓
BHB8PCM360210	4014A43621088	M36	210	10	20.00	✓
BHB8PCM360220	4014A43622088	M36	220	10	21.21	✓
BHB8PCM360240	4014A43624088	M36	240	10	22.82	✓

Set Screws BUMAX® 88



HEX SET SCREWS BUMAX® 88 ISO4017

Part	BUMAX® Part	Size	Length (mm)	Pack Qty	Pack Wgt (Kg)	Stock
BSB8PCM040006	4017A40400688	M4	6	200	0.28	✓
BSB8PCM040008	4017A40400888	M4	8	200	0.30	✓
BSB8PCM040010	4017A40401088	M4	10	200	0.32	✓
BSB8PCM040012	4017A40401288	M4	12	200	0.36	✓
BSB8PCM040014	4017A40401488	M4	14	200	0.40	✓
BSB8PCM040016	4017A40401688	M4	16	200	0.42	✓
BSB8PCM040020	4017A40402088	M4	20	200	0.48	✓
BSB8PCM040025	4017A40402588	M4	25	200	0.56	✓
BSB8PCM040030	4017A40403088	M4	30	200	0.64	✓
BSB8PCM050010	4017A40501088	M5	10	100	0.28	✓
BSB8PCM050012	4017A40501288	M5	12	100	0.31	✓
BSB8PCM050014	4017A40501488	M5	14	100	0.33	✓
BSB8PCM050016	4017A40501688	M5	16	100	0.36	✓
BSB8PCM050020	4017A40502088	M5	20	100	0.40	✓
BSB8PCM050025	4017A40502588	M5	25	100	0.47	✓
BSB8PCM050030	4017A40503088	M5	30	100	0.53	✓
BSB8PCM050035	4017A40503588	M5	35	100	0.59	✓
BSB8PCM050040	4017A40504088	M5	40	100	0.65	✓
BSB8PCM050045	4017A40504588	M5	45	100	0.71	✓
BSB8PCM050050	4017A40505088	M5	50	100	0.77	✓
BSB8PCM060010	4017A40601088	M6	10	100	0.45	✓
BSB8PCM060012	4017A40601288	M6	12	100	0.48	✓
BSB8PCM060014	4017A40601488	M6	14	100	0.52	✓
BSB8PCM060016	4017A40601688	M6	16	100	0.55	✓
BSB8PCM060020	4017A40602088	M6	20	100	0.62	✓
BSB8PCM060022	4017A40602288	M6	22	100	0.66	✓
BSB8PCM060025	4017A40602588	M6	25	100	0.71	✓
BSB8PCM060030	4017A40603088	M6	30	100	0.75	✓
BSB8PCM060035	4017A40603588	M6	35	100	0.88	✓
BSB8PCM060040	4017A40604088	M6	40	100	0.97	✓
BSB8PCM060045	4017A40604588	M6	45	100	1.06	✓
BSB8PCM060050	4017A40605088	M6	50	100	1.15	✓
BSB8PCM060060	4017A40606088	M6	60	100	1.32	✓
BSB8PCM060070	4017A40607088	M6	70	100	1.50	✓
BSB8PCM060080	4017A40608088	M6	80	100	1.67	✓



BUMAX® 88

Set Screws BUMAX® 88



HEX SET SCREWS BUMAX® 88 ISO4017

Part	BUMAX® Part	Size	Length (mm)	Pack Qty	Pack Wgt (Kg)	Stock
BSB8PCM080010	4017A40801088	M8	10	50	0.47	✓
BSB8PCM080012	4017A40801288	M8	12	50	0.50	✓
BSB8PCM080014	4017A40801488	M8	14	50	0.53	✓
BSB8PCM080016	4017A40801688	M8	16	50	0.56	✓
BSB8PCM080020	4017A40802088	M8	20	50	0.62	✓
BSB8PCM080025	4017A40802588	M8	25	50	0.70	✓
BSB8PCM080030	4017A40803088	M8	30	50	0.78	✓
BSB8PCM080035	4017A40803588	M8	35	50	0.86	✓
BSB8PCM080040	4017A40804088	M8	40	50	0.94	✓
BSB8PCM080045	4017A40804588	M8	45	50	1.02	✓
BSB8PCM080050	4017A40805088	M8	50	50	1.10	✓
BSB8PCM080060	4017A40806088	M8	60	50	1.26	✓
BSB8PCM080070	4017A40807088	M8	70	50	1.41	✓
BSB8PCM080080	4017A40808088	M8	80	50	1.57	✓
BSB8PCM100012	4017A41001288	M10	12	50	0.86	✓
BSB8PCM100016	4017A41001688	M10	16	50	0.86	✓
BSB8PCM100020	4017A41002088	M10	20	50	1.06	✓
BSB8PCM100025	4017A41002588	M10	25	50	1.19	✓
BSB8PCM100030	4017A41003088	M10	30	50	1.31	✓
BSB8PCM100035	4017A41003588	M10	35	50	1.44	✓
BSB8PCM100040	4017A41004088	M10	40	50	1.56	✓
BSB8PCM100045	4017A41004588	M10	45	50	1.69	✓
BSB8PCM100050	4017A41005088	M10	50	50	1.81	✓
BSB8PCM100060	4017A41006088	M10	60	50	1.95	✓
BSB8PCM100070	4017A41007088	M10	70	50	2.31	✓
BSB8PCM100080	4017A41008088	M10	80	50	2.56	✓
BSB8PCM100090	4017A41009088	M10	90	50	2.81	✓
BSB8PCM100100	4017A41010088	M10	100	50	3.06	✓
BSB8PCM100110	4017A41011088	M10	110	50	3.31	✓
BSB8PCM100120	4017A41012088	M10	120	50	3.56	✓
BSB8PCM100130	4017A41013088	M10	130	50	3.81	✓

Set Screws BUMAX® 88



HEX SET SCREWS BUMAX® 88 ISO4017

Part	BUMAX® Part	Size	Length (mm)	Pack Qty	Pack Wgt (Kg)	Stock
BSB8PCM120020	4017A41202088	M12	20	25	0.78	✓
BSB8PCM120025	4017A41202588	M12	25	25	0.87	✓
BSB8PCM120030	4017A41203088	M12	30	25	0.96	✓
BSB8PCM120032	4017A41203288	M12	32	25	0.99	✓
BSB8PCM120035	4017A41203588	M12	35	25	1.05	✓
BSB8PCM120040	4017A41204088	M12	40	25	1.14	✓
BSB8PCM120045	4017A41204588	M12	45	25	1.23	✓
BSB8PCM120050	4017A41205088	M12	50	25	1.32	✓
BSB8PCM120055	4017A41205588	M12	55	25	1.38	✓
BSB8PCM120060	4017A41206088	M12	60	25	1.50	✓
BSB8PCM120065	4017A41206588	M12	65	25	1.56	✓
BSB8PCM120070	4017A41207088	M12	70	25	1.68	✓
BSB8PCM120080	4017A41208088	M12	80	25	1.86	✓
BSB8PCM120090	4017A41209088	M12	90	25	2.04	✓
BSB8PCM120100	4017A41210088	M12	100	25	2.22	✓
BSB8PCM120120	4017A41212088	M12	120	25	2.58	✓
BSB8PCM140030	4017A41403088	M14	30	25	1.41	✓
BSB8PCM140040	4017A41404088	M14	40	25	1.65	✓
BSB8PCM140050	4017A41405088	M14	50	25	1.90	✓
BSB8PCM140060	4017A41406088	M14	60	25	2.15	✓
BSB8PCM140070	4017A41407088	M14	70	25	2.40	✓
BSB8PCM160025	4017A41602588	M16	25	25	1.81	✓
BSB8PCM160030	4017A41603088	M16	30	25	1.98	✓
BSB8PCM160035	4017A41603588	M16	35	25	2.15	✓
BSB8PCM160040	4017A41604088	M16	40	25	2.31	✓
BSB8PCM160050	4017A41605088	M16	50	25	2.64	✓
BSB8PCM160060	4017A41606088	M16	60	25	2.98	✓
BSB8PCM160070	4017A41607088	M16	70	25	3.31	✓
BSB8PCM160080	4017A41608088	M16	80	25	3.64	✓
BSB8PCM160120	4017A41612088	M16	120	25	4.97	✓
BSB8PCM160160	4017A41616088	M16	160	25	6.75	✓
BSB8PCM160180	4017A41618088	M16	180	25	6.90	✓
BSB8PCM180040	4017A41804088	M18	40	10	1.23	✓
BSB8PCM180050	4017A41805088	M18	50	10	1.40	✓
BSB8PCM180060	4017A41806088	M18	60	10	1.56	✓
BSB8PCM180070	4017A41807088	M18	70	10	1.73	✓
BSB8PCM180080	4017A41808088	M18	80	10	1.89	✓



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Set Screws BUMAX® 88



HEX SET SCREWS BUMAX® 88 ISO4017

Part	BUMAX® Part	Size	Length (mm)	Pack Qty	Pack Wgt (Kg)	Stock
BSB8PCM200030	4017A42003088	M20	30	10	1.40	✓
BSB8PCM200035	4017A42003588	M20	35	10	1.50	✓
BSB8PCM200040	4017A42004088	M20	40	10	1.60	✓
BSB8PCM200045	4017A42004588	M20	45	10	1.70	✓
BSB8PCM200050	4017A42005088	M20	50	10	1.81	✓
BSB8PCM200055	4017A42005588	M20	55	10	1.91	✓
BSB8PCM200060	4017A42006088	M20	60	10	2.02	✓
BSB8PCM200065	4017A42006588	M20	65	10	2.12	✓
BSB8PCM200070	4017A42007088	M20	70	10	2.22	✓
BSB8PCM200075	4017A42007588	M20	75	10	2.33	✓
BSB8PCM200080	4017A42008088	M20	80	10	2.43	✓
BSB8PCM200100	4017A42010088	M20	100	10	2.85	✓
BSB8PCM200120	4017A42012088	M20	120	10	3.20	✓
BSB8PCM200130	4017A42013088	M20	130	10	3.30	✓
BSB8PCM200140	4017A42014088	M20	140	10	3.80	✓
BSB8PCM200150	4017A42015088	M20	150	10	3.89	✓
BSB8PCM240040	4017A42404088	M24	40	10	2.53	✓
BSB8PCM240045	4017A42404588	M24	45	10	2.68	✓
BSB8PCM240050	4017A42405088	M24	50	10	2.82	✓
BSB8PCM240060	4017A42406088	M24	60	10	3.12	✓
BSB8PCM240065	4017A42406588	M24	65	10	3.27	✓
BSB8PCM240070	4017A42407088	M24	70	10	3.42	✓
BSB8PCM240075	4017A42407588	M24	75	10	3.57	✓
BSB8PCM240080	4017A42408088	M24	80	10	3.72	✓
BSB8PCM240090	4017A42409088	M24	90	10	4.02	✓
BSB8PCM240100	4017A42410088	M24	100	10	4.32	✓
BSB8PCM240110	4017A42411088	M24	110	10	4.40	✓
BSB8PCM240120	4017A42412088	M24	120	10	4.92	✓
BSB8PCM240140	4017A42414088	M24	140	10	5.93	✓

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HEX SET SCREWS BUMAX® 88 ISO4017

Part	BUMAX® Part	Size	Length (mm)	Pack Qty	Pack Wgt (Kg)	Stock
BSB8PCM270050	4017A42705088	M27	50	10	3.77	✓
BSB8PCM270060	4017A42706088	M27	60	10	4.16	✓
BSB8PCM270070	4017A42707088	M27	70	10	4.54	✓
BSB8PCM270080	4017A42708088	M27	80	10	4.92	✓
BSB8PCM270090	4017A42709088	M27	90	10	5.31	✓
BSB8PCM270100	4017A42710088	M27	100	10	5.69	✓
BSB8PCM270120	4017A42712088	M27	120	10	6.47	✓
BSB8PCM270130	4017A42713088	M27	130	10	6.85	✓
BSB8PCM270140	4017A42714088	M27	140	10	7.24	✓
BSB8PCM270150	4017A42715088	M27	150	10	7.62	✓
BSB8PCM270160	4017A42716088	M27	160	10	8.01	✓
BSB8PCM300035	4017A43003588	M30	35	10	4.00	✓
BSB8PCM300042	4017A43004288	M30	42	10	4.05	✓
BSB8PCM300045	4017A43004588	M30	45	10	4.15	✓
BSB8PCM300055	4017A43005588	M30	55	10	4.92	✓
BSB8PCM300060	4017A43006088	M30	60	10	5.43	✓
BSB8PCM300070	4017A43007088	M30	70	10	5.90	✓
BSB8PCM300080	4017A43008088	M30	80	10	6.37	✓
BSB8PCM300090	4017A43009088	M30	90	10	6.85	✓
BSB8PCM300100	4017A43010088	M30	100	10	7.32	✓
BSB8PCM300130	4017A43013088	M30	130	10	8.74	✓
BSB8PCM300140	4017A43014088	M30	140	10	9.23	✓
BSB8PCM360080	4017A43608088	M36	80	10	10.00	✓
BSB8PCM360090	4017A43609088	M36	90	10	10.70	✓
BSB8PCM360100	4017A43610088	M36	100	10	11.50	✓
BSB8PCM360120	4017A43612088	M36	120	10	12.70	✓
BSB8PCM360130	4017A43613088	M36	130	10	13.40	✓
BSB8PCM360140	4017A43614088	M36	140	10	14.10	✓
BSB8PCM360150	4017A43615088	M36	150	10	14.80	✓
BSB8PCM360160	4017A43616088	M36	160	10	15.40	✓
BSB8PCM360200	4017A43620088	M36	200	10	18.10	✓



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Hex Nuts BUMAX® 88



HEX FLANGE NUTS

BUMAX® 88 DIN6923

Part	BUMAX® Part	Size	Pack Qty	Pack Wgt (Kg)	Stock
NFB8PCM06	6923A40688	M6	100	0.35	✓
NFB8PCM08	6923A40888	M8	100	0.70	✓
NFB8PCM10	6923A41088	M10	50	0.60	✓
NFB8PCM12	6923A41288	M12	25	0.53	✓
NFB8PCM20	6923A42088	M20	25	1.83	✓



HEX NUTS

BUMAX® 88 ISO4032

Part	BUMAX® Part	Size	Pack Qty	Pack Wgt (Kg)	Stock
NHB8PCM06	4032A4006088	M6	100	0.25	✓
NHB8PCM08	4032A4008088	M8	100	0.52	✓
NHB8PCM10	4032A4010088	M10	50	0.60	✓
NHB8PCM12	4032A4012088	M12	50	0.85	✓
NHB8PCM14	4032A4014088	M14	50	1.25	✓
NHB8PCM16	4032A4016088	M16	25	0.83	✓
NHB8PCM18	4032A4018088	M18	25	1.23	✓
NHB8PCM20	4032A4020088	M20	25	1.60	✓
NHB8PCM24	4032A4024088	M24	10	1.10	✓
NHB8PCM27	4032A4027088	M27	10	1.70	✓
NHB8PCM30	4032A4030088	M30	10	2.20	✓
NHB8PCM33	4032A4033088	M33	10	2.90	✓
NHB8PCM36	4032A4036088	M36	10	3.90	✓

Hex Lock Nuts BUMAX® 88



HEX LOCK NUTS - FLANGED BUMAX® 88

Part	BUMAX® Part	Size	Pack Qty	Pack Wgt (Kg)	Stock
NLB8FCM06	SPIRFA40688	M6	100	0.35	✓
NLB8FCM08	SPIRFA40888	M8	100	0.70	✓
NLB8FCM10	SPIRFA41088	M10	50	0.60	✓
NLB8FCM12	SPIRFA41288	M12	50	1.05	✓



HEX LOCK NUTS - COLLARED BUMAX® 88

Part	BUMAX® Part	Size	Pack Qty	Pack Wgt (Kg)	Stock
NLB8CCM12	SPIRAA41288	M12	50	0.95	✓
NLB8CCM16	SPIRAA41688	M16	25	0.95	✓
NLB8CCM20	SPIRAA42088	M20	25	1.80	✓



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SOCKET HEAD CAP SCREWS

BUMAX® 88 ISO4762

Part	BUMAX® Part	Size	Length (mm)	Pack Qty	Pack Wgt (Kg)	Stock
SHB8PCM030006	4762A40300688	M3	6	500	0.35	✓
SHB8PCM030008	4762A40300888	M3	8	500	0.40	✓
SHB8PCM030010	4762A40301088	M3	10	500	0.45	✓
SHB8PCM030012	4762A40301288	M3	12	500	0.50	✓
SHB8PCM030016	4762A40301688	M3	16	500	0.55	✓
SHB8PCM030020	4762A40302088	M3	20	500	0.65	✓
SHB8PCM030025	4762A40302588	M3	25	500	0.80	✓
SHB8PCM030030	4762A40303088	M3	30	500	0.95	✓
SHB8PCM040006	4762A40400688	M4	6	200	0.30	✓
SHB8PCM040008	4762A40400888	M4	8	200	0.32	✓
SHB8PCM040010	4762A40401088	M4	10	200	0.36	✓
SHB8PCM040012	4762A40401288	M4	12	200	0.40	✓
SHB8PCM040014	4762A40401488	M4	14	200	0.44	✓
SHB8PCM040016	4762A40401688	M4	16	200	0.46	✓
SHB8PCM040020	4762A40402088	M4	20	200	0.54	✓
SHB8PCM040025	4762A40402588	M4	25	200	0.64	✓
SHB8PCM040030	4762A40403088	M4	30	200	0.74	✓
SHB8PCM040035	4762A40403588	M4	35	200	0.84	✓
SHB8PCM040040	4762A40404088	M4	40	200	0.94	✓
SHB8PCM040050	4762A40405088	M4	50	200	1.14	✓
SHB8PCM050010	4762A40501088	M5	10	100	0.27	✓
SHB8PCM050012	4762A40501288	M5	12	100	0.30	✓
SHB8PCM050016	4762A40501688	M5	16	100	0.35	✓
SHB8PCM050020	4762A40502088	M5	20	100	0.40	✓
SHB8PCM050025	4762A40502588	M5	25	100	0.48	✓
SHB8PCM050030	4762A40503088	M5	30	100	0.56	✓
SHB8PCM050035	4762A40503588	M5	35	100	0.63	✓
SHB8PCM050040	4762A40504088	M5	40	100	0.71	✓
SHB8PCM050045	4762A40504588	M5	45	100	0.79	✓
SHB8PCM050050	4762A40505088	M5	50	100	0.86	✓
SHB8PCM050060	4762A40506088	M5	60	100	1.02	✓
SHB8PCM050070	4762A40507088	M5	70	100	1.17	✓

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SOCKET HEAD CAP SCREWS
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Part	BUMAX® Part	Size	Length (mm)	Pack Qty	Pack Wgt (Kg)	Stock
SHB8PCM060012	4762A40601288	M6	12	100	0.50	✓
SHB8PCM060014	4762A40601488	M6	14	100	0.54	✓
SHB8PCM060016	4762A40601688	M6	16	100	0.57	✓
SHB8PCM060020	4762A40602088	M6	20	100	0.64	✓
SHB8PCM060025	4762A40602588	M6	25	100	0.72	✓
SHB8PCM060030	4762A40603088	M6	30	100	0.83	✓
SHB8PCM060035	4762A40603588	M6	35	100	0.97	✓
SHB8PCM060040	4762A40604088	M6	40	100	1.08	✓
SHB8PCM060045	4762A40604588	M6	45	100	1.18	✓
SHB8PCM060050	4762A40605088	M6	50	100	1.29	✓
SHB8PCM060055	4762A40605588	M6	55	100	1.40	✓
SHB8PCM060060	4762A40606088	M6	60	100	1.51	✓
SHB8PCM060065	4762A40606588	M6	65	100	1.70	✓
SHB8PCM060070	4762A40607088	M6	70	100	1.72	✓
SHB8PCM060075	4762A40607588	M6	75	100	2.00	✓
SHB8PCM060080	4762A40608088	M6	80	100	2.03	✓
SHB8PCM060090	4762A40609088	M6	90	100	2.14	✓
SHB8PCM080016	4762A40801688	M8	16	50	0.61	✓
SHB8PCM080020	4762A40802088	M8	20	50	0.67	✓
SHB8PCM080025	4762A40802588	M8	25	50	0.75	✓
SHB8PCM080030	4762A40803088	M8	30	50	0.85	✓
SHB8PCM080035	4762A40803588	M8	35	50	0.95	✓
SHB8PCM080040	4762A40804088	M8	40	50	1.05	✓
SHB8PCM080045	4762A40804588	M8	45	50	1.15	✓
SHB8PCM080050	4762A40805088	M8	50	50	1.25	✓
SHB8PCM080055	4762A40805588	M8	55	50	1.29	✓
SHB8PCM080060	4762A40806088	M8	60	50	1.45	✓
SHB8PCM080065	4762A40806588	M8	65	50	1.60	✓
SHB8PCM080070	4762A40807088	M8	70	50	1.65	✓
SHB8PCM080075	4762A40807588	M8	75	50	1.75	✓
SHB8PCM080080	4762A40808088	M8	80	50	1.85	✓



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SOCKET HEAD CAP SCREWS

BUMAX® 88 ISO4762

Part	BUMAX® Part	Size	Length (mm)	Pack Qty	Pack Wgt (Kg)	Stock
SHB8PCM100016	4762A41001688	M10	16	50	1.05	✓
SHB8PCM100020	4762A41002088	M10	20	50	1.15	✓
SHB8PCM100025	4762A41002588	M10	25	50	1.27	✓
SHB8PCM100030	4762A41003088	M10	30	50	1.40	✓
SHB8PCM100035	4762A41003588	M10	35	50	1.52	✓
SHB8PCM100040	4762A41004088	M10	40	50	1.65	✓
SHB8PCM100045	4762A41004588	M10	45	50	1.81	✓
SHB8PCM100050	4762A41005088	M10	50	50	1.97	✓
SHB8PCM100055	4762A41005588	M10	55	50	2.13	✓
SHB8PCM100060	4762A41006088	M10	60	50	2.29	✓
SHB8PCM100065	4762A41006588	M10	65	50	2.45	✓
SHB8PCM100070	4762A41007088	M10	70	50	2.61	✓
SHB8PCM100075	4762A41007588	M10	75	50	2.77	✓
SHB8PCM100080	4762A41008088	M10	80	50	2.93	✓
SHB8PCM100090	4762A41009088	M10	90	50	3.25	✓
SHB8PCM100100	4762A41010088	M10	100	50	3.56	✓
SHB8PCM100120	4762A41012088	M10	120	50	4.19	✓
SHB8PCM120020	4762A41202088	M12	20	25	0.80	✓
SHB8PCM120025	4762A41202588	M12	25	25	0.89	✓
SHB8PCM120030	4762A41203088	M12	30	25	0.98	✓
SHB8PCM120035	4762A41203588	M12	35	25	1.07	✓
SHB8PCM120040	4762A41204088	M12	40	25	1.16	✓
SHB8PCM120045	4762A41204588	M12	45	25	1.25	✓
SHB8PCM120050	4762A41205088	M12	50	25	1.36	✓
SHB8PCM120055	4762A41205588	M12	55	25	1.48	✓
SHB8PCM120060	4762A41206088	M12	60	25	1.59	✓
SHB8PCM120065	4762A41206588	M12	65	25	1.68	✓
SHB8PCM120070	4762A41207088	M12	70	25	1.78	✓
SHB8PCM120075	4762A41207588	M12	75	25	1.90	✓
SHB8PCM120080	4762A41208088	M12	80	25	2.01	✓
SHB8PCM120090	4762A41209088	M12	90	25	2.30	✓
SHB8PCM120100	4762A41210088	M12	100	25	2.55	✓
SHB8PCM120120	4762A41212088	M12	120	25	3.00	✓
SHB8PCM120130	4762A41213088	M12	130	25	3.20	✓
SHB8PCM120140	4762A41214088	M12	140	25	3.43	✓
SHB8PCM120150	4762A41215088	M12	150	25	3.63	✓
SHB8PCM140070	4762A41407088	M14	70	25	2.40	✓
SHB8PCM140200	4762A41420088	M14	200	25	4.50	✓

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Part	BUMAX® Part	Size	Length (mm)	Pack Qty	Pack Wgt (Kg)	Stock
SHB8PCM160030	4762A41603088	M16	30	25	1.95	✓
SHB8PCM160035	4762A41603588	M16	35	25	2.11	✓
SHB8PCM160040	4762A41604088	M16	40	25	2.28	✓
SHB8PCM160045	4762A41604588	M16	45	25	2.44	✓
SHB8PCM160050	4762A41605088	M16	50	25	2.65	✓
SHB8PCM160055	4762A41605588	M16	55	25	2.85	✓
SHB8PCM160060	4762A41606088	M16	60	25	3.05	✓
SHB8PCM160065	4762A41606588	M16	65	25	3.25	✓
SHB8PCM160080	4762A41608088	M16	80	25	3.85	✓
SHB8PCM160090	4762A41609088	M16	90	25	4.38	✓
SHB8PCM160100	4762A41610088	M16	100	25	4.65	✓
SHB8PCM160110	4762A41611088	M16	110	25	5.05	✓
SHB8PCM160120	4762A41612088	M16	120	25	5.45	✓
SHB8PCM160130	4762A41613088	M16	130	25	5.85	✓
SHB8PCM160140	4762A41614088	M16	140	25	6.28	✓
SHB8PCM160160	4762A41616088	M16	160	10	2.82	✓



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SOCKET HEAD CAP SCREWS

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Part	BUMAX® Part	Size	Length (mm)	Pack Qty	Pack Wgt (Kg)	Stock
SHB8PCM200030	4762A42003088	M20	30	10	1.55	✓
SHB8PCM200040	4762A42004088	M20	40	10	1.76	✓
SHB8PCM200045	4762A42004588	M20	45	10	1.86	✓
SHB8PCM200050	4762A42005088	M20	50	10	1.97	✓
SHB8PCM200060	4762A42006088	M20	60	10	2.17	✓
SHB8PCM200070	4762A42007088	M20	70	10	2.38	✓
SHB8PCM200080	4762A42008088	M20	80	10	2.68	✓
SHB8PCM200090	4762A42009088	M20	90	10	2.93	✓
SHB8PCM200100	4762A42010088	M20	100	10	3.17	✓
SHB8PCM200110	4762A42011088	M20	110	10	3.42	✓
SHB8PCM200120	4762A42012088	M20	120	10	3.67	✓
SHB8PCM200140	4762A42014088	M20	140	10	4.16	✓
SHB8PCM200150	4762A42015088	M20	150	10	4.20	✓
SHB8PCM200160	4762A42016088	M20	160	10	4.65	✓
SHB8PCM200180	4762A42018088	M20	180	10	5.14	✓
SHB8PCM200190	4762A42019088	M20	190	10	5.39	✓
SHB8PCM240050	4762A42405088	M24	50	10	3.14	✓
SHB8PCM240060	4762A42406088	M24	60	10	3.44	✓
SHB8PCM240070	4762A42407088	M24	70	10	3.74	✓
SHB8PCM240080	4762A42408088	M24	80	10	4.04	✓
SHB8PCM240090	4762A42409088	M24	90	10	4.49	✓
SHB8PCM240100	4762A42410088	M24	100	10	4.84	✓
SHB8PCM240120	4762A42412088	M24	120	10	5.54	✓
SHB8PCM240140	4762A42414088	M24	140	10	6.24	✓
SHB8PCM240150	4762A42415088	M24	150	10	6.59	✓

Washers BUMAX® 88



MUDGUARD WASHER BUMAX® 88 ISO7093

Part	BUMAX® Part	Size	OD (mm)	Thk (mm)	Pack Qty	Pack Wgt (Kg)	Stock
WRB8MM06	7093A406488	M6	18	1.6	200	0.56	✓
WRB8MM08	7093A408488	M8	24	2.0	100	0.62	✓
WRB8MM10	7093A410588	M10	30	2.5	100	1.20	✓
WRB8MM12	7093A413088	M12	37	3.0	100	2.20	✓



ROUND WASHER BUMAX® 88 ISO7089

Part	BUMAX® Part	Size	OD (mm)	Thk (mm)	Pack Qty	Pack Wgt (Kg)	Stock
WRB8PM05	7089A405388	M5	10.0	1.0	200	0.08	✓
WRB8PM06	7089A406788	M6	12.5	1.6	200	0.26	✓
WRB8PM08	7089A408488	M8	17.0	1.6	100	0.16	✓
WRB8PM10	7089A410588	M10	21.0	2.0	100	0.44	✓
WRB8PM12	7089A413088	M12	24.0	2.5	100	0.63	✓
WRB8PM14	7089A415088	M14	28.0	2.5	100	0.86	✓
WRB8PM16	7089A417088	M16	30.0	3.0	100	1.06	✓
WRB8PM20	7089A421088	M20	37.0	3.0	100	1.70	✓
WRB8PM22	7089A423088	M22	39.0	3.0	100	1.90	✓
WRB8PM24	7089A426088	M24	44.0	4.0	50	1.60	✓
WRB8PM27	7089A428088	M27	50.0	4.0	50	2.10	✓
WRB8PM30	7089A431088	M30	55.0	4.0	50	2.70	✓
WRB8PM36	7089A437088	M36	65.0	5.0	50	3.68	✓



BUMAX® 88

Hex Bolts BUMAX® 109



HEX BOLTS BUMAX® 109 ISO4014

Part	BUMAX® Part	Size	Length (mm)	Pack Qty	Pack Wgt (Kg)	Stock
BHB9PCM060030	4014A406030109	M6	30	100	0.84	✓
BHB9PCM060035	4014A406035109	M6	35	100	0.92	✓
BHB9PCM060040	4014A406040109	M6	40	100	1.05	✓
BHB9PCM060045	4014A406045109	M6	45	100	1.16	✓
BHB9PCM060050	4014A406050109	M6	50	100	1.26	✓
BHB9PCM060055	4014A406055109	M6	55	100	1.37	✓
BHB9PCM060060	4014A406060109	M6	60	100	1.50	✓
BHB9PCM060065	4014A406065109	M6	65	100	1.58	✓
BHB9PCM060070	4014A406070109	M6	70	100	1.70	✓
BHB9PCM060075	4014A406075109	M6	75	100	1.80	✓
BHB9PCM060080	4014A406080109	M6	80	100	1.90	✓
BHB9PCM080035	4014A408035109	M8	35	50	0.90	✓
BHB9PCM080040	4014A408040109	M8	40	50	1.00	✓
BHB9PCM080045	4014A408045109	M8	45	50	1.10	✓
BHB9PCM080050	4014A408050109	M8	50	50	1.20	✓
BHB9PCM080055	4014A408055109	M8	55	50	1.30	✓
BHB9PCM080060	4014A408060109	M8	60	50	1.40	✓
BHB9PCM080065	4014A408065109	M8	65	50	1.47	✓
BHB9PCM080070	4014A408070109	M8	70	50	1.60	✓
BHB9PCM080075	4014A408075109	M8	75	50	1.70	✓
BHB9PCM080080	4014A408080109	M8	80	50	1.80	✓
BHB9PCM100045	4014A410045109	M10	45	50	1.90	✓
BHB9PCM100050	4014A410050109	M10	50	50	2.00	✓
BHB9PCM100055	4014A410055109	M10	55	50	2.20	✓
BHB9PCM100060	4014A410060109	M10	60	50	2.35	✓
BHB9PCM100065	4014A410065109	M10	65	50	2.50	✓
BHB9PCM100070	4014A410070109	M10	70	50	2.65	✓
BHB9PCM100075	4014A410075109	M10	75	50	2.68	✓
BHB9PCM100080	4014A410080109	M10	80	50	2.95	✓
BHB9PCM100090	4014A410090109	M10	90	50	3.30	✓
BHB9PCM100100	4014A410100109	M10	100	50	3.60	✓

Hex Bolts BUMAX® 109



HEX BOLTS BUMAX® 109 ISO4014

Part	BUMAX® Part	Size	Length (mm)	Pack Qty	Pack Wgt (Kg)	Stock
BHB9PCM120045	4014A412045109	M12	45	25	1.28	✓
BHB9PCM120050	4014A412050109	M12	50	25	1.38	✓
BHB9PCM120055	4014A412055109	M12	55	25	1.49	✓
BHB9PCM120060	4014A412060109	M12	60	25	1.60	✓
BHB9PCM120065	4014A412065109	M12	65	25	1.69	✓
BHB9PCM120070	4014A412070109	M12	70	25	1.82	✓
BHB9PCM120075	4014A412075109	M12	75	25	1.93	✓
BHB9PCM120080	4014A412080109	M12	80	25	2.04	✓
BHB9PCM120090	4014A412090109	M12	90	25	2.25	✓
BHB9PCM120100	4014A412100109	M12	100	25	2.47	✓
BHB9PCM120120	4014A412120109	M12	120	25	2.90	✓
BHB9PCM160055	4014A416055109	M16	55	25	2.89	✓
BHB9PCM160060	4014A416060109	M16	60	25	3.08	✓
BHB9PCM160065	4014A416065109	M16	65	25	3.28	✓
BHB9PCM160070	4014A416070109	M16	70	25	3.47	✓
BHB9PCM160075	4014A416075109	M16	75	25	3.66	✓
BHB9PCM160080	4014A416080109	M16	80	25	3.86	✓
BHB9PCM160090	4014A416090109	M16	90	25	4.24	✓
BHB9PCM160100	4014A416100109	M16	100	25	4.63	✓
BHB9PCM160110	4014A416110109	M16	110	25	5.02	✓
BHB9PCM160120	4014A416120109	M16	120	25	5.40	✓
BHB9PCM160150	4014A416150109	M16	150	25	6.50	✓



BUMAX® 109



Set Screws BUMAX® 109



HEX SET SCREWS BUMAX® 109 ISO4017

Part	BUMAX® Part	Size	Length (mm)	Pack Qty	Pack Wgt (Kg)	Stock
BSB9PCM060012	4017A406012109	M6	12	100	0.48	✓
BSB9PCM060014	4017A406014109	M6	14	100	0.48	✓
BSB9PCM060016	4017A406016109	M6	16	100	0.55	✓
BSB9PCM060020	4017A406020109	M6	20	100	0.62	✓
BSB9PCM060022	4017A406022109	M6	22	100	0.66	✓
BSB9PCM060025	4017A406025109	M6	25	100	0.71	✓
BSB9PCM060030	4017A406030109	M6	30	100	0.80	✓
BSB9PCM060035	4017A406035109	M6	35	100	0.88	✓
BSB9PCM080016	4017A408016109	M8	16	50	0.49	✓
BSB9PCM080020	4017A408020109	M8	20	50	0.62	✓
BSB9PCM080022	4017A408022109	M8	22	50	0.65	✓
BSB9PCM080025	4017A408025109	M8	25	50	0.75	✓
BSB9PCM080030	4017A408030109	M8	30	50	0.78	✓
BSB9PCM080035	4017A408035109	M8	35	50	0.86	✓
BSB9PCM080040	4017A408040109	M8	40	50	0.94	✓
BSB9PCM080045	4017A408045109	M8	45	50	1.02	✓
BSB9PCM080050	4017A408050109	M8	50	50	1.10	✓
BSB9PCM080055	4017A408055109	M8	55	50	1.16	✓
BSB9PCM080060	4017A408060109	M8	60	50	1.26	✓
BSB9PCM080065	4017A408065109	M8	65	50	1.35	✓
BSB9PCM080070	4017A408070109	M8	70	50	1.41	✓
BSB9PCM080080	4017A408080109	M8	80	100	3.60	✓
BSB9PCM100020	4017A410020109	M10	20	50	1.06	✓
BSB9PCM100025	4017A410025109	M10	25	50	1.19	✓
BSB9PCM100030	4017A410030109	M10	30	50	1.31	✓
BSB9PCM100035	4017A410035109	M10	35	50	1.44	✓
BSB9PCM100040	4017A410040109	M10	40	50	1.56	✓
BSB9PCM100100	4017A410100109	M10	100	50	3.03	✓
BSB9PCM100110	4017A410110109	M10	110	50	3.29	✓
BSB9PCM100120	4017A410120109	M10	120	50	3.54	✓
BSB9PCM100130	4017A410130109	M10	130	50	3.79	✓
BSB9PCM100140	4017A410140109	M10	140	50	4.04	✓
BSB9PCM100150	4017A410150109	M10	150	50	4.30	✓
BSB9PCM100160	4017A410160109	M10	160	50	4.55	✓

Set Screws BUMAX® 109



HEX SET SCREWS BUMAX® 109 ISO4017

Part	BUMAX® Part	Size	Length (mm)	Pack Qty	Pack Wgt (Kg)	Stock
BSB9PCM120020	4017A412020109	M12	20	25	0.78	✓
BSB9PCM120025	4017A412025109	M12	25	25	0.87	✓
BSB9PCM120030	4017A412030109	M12	30	25	0.96	✓
BSB9PCM120035	4017A412035109	M12	35	25	1.05	✓
BSB9PCM120040	4017A412040109	M12	40	25	1.14	✓
BSB9PCM120050	4017A412050109	M12	50	25	1.32	✓
BSB9PCM120090	4017A412090109	M12	90	25	2.04	✓
BSB9PCM120110	4017A412110109	M12	110	25	2.38	✓
BSB9PCM120120	4017A412120109	M12	120	25	2.57	✓
BSB9PCM120130	4017A412130109	M12	130	25	2.75	✓
BSB9PCM120140	4017A412140109	M12	140	25	2.93	✓
BSB9PCM120155	4017A412155109	M12	155	25	3.21	✓
BSB9PCM120165	4017A412165109	M12	165	25	3.39	✓
BSB9PCM120175	4017A412175109	M12	175	25	3.58	✓
BSB9PCM140045	4017A414045109	M14	45	25	1.75	✓
BSB9PCM140050	4017A414050109	M14	50	25	1.90	✓
BSB9PCM140060	4017A414060109	M14	60	25	2.15	✓
BSB9PCM160025	4017A416025109	M16	25	25	1.65	✓
BSB9PCM160030	4017A416030109	M16	30	25	1.98	✓
BSB9PCM160035	4017A416035109	M16	35	25	2.15	✓
BSB9PCM160040	4017A416040109	M16	40	25	2.31	✓
BSB9PCM160045	4017A416045109	M16	45	25	2.48	✓
BSB9PCM160050	4017A416050109	M16	50	25	2.64	✓
BSB9PCM160055	4017A416055109	M16	55	25	2.75	✓
BSB9PCM160060	4017A416060109	M16	60	25	2.98	✓
BSB9PCM200040	4017A420040109	M20	40	10	1.60	✓
BSB9PCM200050	4017A420050109	M20	50	10	1.80	✓
BSB9PCM200060	4017A420060109	M20	60	10	2.02	✓
BSB9PCM200070	4017A420070109	M20	70	10	2.22	✓
BSB9PCM200075	4017A420075109	M20	75	10	2.33	✓
BSB9PCM200080	4017A420080109	M20	80	10	2.43	✓



BUMAX® 109

Hex Nuts BUMAX® 109



HEX NUTS BUMAX® 109 ISO4032

Part	BUMAX® Part	Size	Pack Qty	Pack Wgt (Kg)	Stock
NHB9PCM06	4032A40060109	M6	100	0.25	✓
NHB9PCM08	4032A40080109	M8	100	0.52	✓
NHB9PCM10	4032A40100109	M10	50	0.60	✓
NHB9PCM12	4032A40120109	M12	25	0.43	✓
NHB9PCM16	4032A40160109	M16	25	0.83	✓
NHB9PCM20	4032A40200109	M20	25	1.60	✓
NHB9PCM24	4032A40240109	M24	10	1.10	✓



SOCKET HEAD CAP SCREWS BUMAX® 109 ISO4762

Part	BUMAX® Part	Size	Length (mm)	Pack Qty	Pack Wgt (Kg)	Stock
SHB9PCM040012	4762A404012109	M4	12	200	0.40	✓
SHB9PCM040020	4762A404020109	M4	20	200	0.48	✓
SHB9PCM060020	4762A406020109	M6	20	100	0.64	✓
SHB9PCM060030	4762A406030109	M6	30	100	0.83	✓
SHB9PCM060040	4762A406040109	M6	40	100	1.08	✓
SHB9PCM060050	4762A406050109	M6	50	100	1.29	✓
SHB9PCM060060	4762A406060109	M6	60	100	1.51	✓
SHB9PCM060070	4762A406070109	M6	70	100	1.72	✓
SHB9PCM060080	4762A406080109	M6	80	100	1.93	✓
SHB9PCM080020	4762A408020109	M8	20	50	0.67	✓
SHB9PCM080030	4762A408030109	M8	30	50	0.75	✓
SHB9PCM080040	4762A408040109	M8	40	50	1.05	✓
SHB9PCM080050	4762A408050109	M8	50	50	1.25	✓
SHB9PCM080060	4762A408060109	M8	60	50	1.45	✓
SHB9PCM080070	4762A408070109	M8	70	50	1.65	✓
SHB9PCM080080	4762A408080109	M8	80	50	1.85	✓
SHB9PCM080090	4762A408090109	M8	90	50	2.03	✓
SHB9PCM100020	4762A410020109	M10	20	50	1.15	✓
SHB9PCM100030	4762A410030109	M10	30	50	1.40	✓
SHB9PCM100040	4762A410040109	M10	40	50	1.65	✓
SHB9PCM100050	4762A410050109	M10	50	50	1.97	✓
SHB9PCM100060	4762A410060109	M10	60	50	2.29	✓
SHB9PCM100070	4762A410070109	M10	70	50	2.61	✓
SHB9PCM100080	4762A410080109	M10	80	50	2.93	✓
SHB9PCM100090	4762A410090109	M10	90	50	3.25	✓
SHB9PCM100100	4762A410100109	M10	100	50	3.56	✓

Socket Screws BUMAX® 109



SOCKET HEAD CAP SCREWS

BUMAX® 109 ISO4762

Part	BUMAX® Part	Size	Length (mm)	Pack Qty	Pack Wgt (Kg)	Stock
SHB9PCM120030	4762A412030109	M12	30	25	0.98	✓
SHB9PCM120040	4762A412040109	M12	40	25	1.16	✓
SHB9PCM120050	4762A412050109	M12	50	25	1.36	✓
SHB9PCM120060	4762A412060109	M12	60	25	1.59	✓
SHB9PCM120070	4762A412070109	M12	70	25	1.78	✓
SHB9PCM120080	4762A412080109	M12	80	25	2.01	✓
SHB9PCM120090	4762A412090109	M12	90	25	2.30	✓
SHB9PCM120100	4762A412100109	M12	100	25	2.55	✓
SHB9PCM120110	4762A412110109	M12	110	25	2.78	✓
SHB9PCM120120	4762A412120109	M12	120	25	3.00	✓
SHB9PCM160025	4762A416025109	M16	25	25	1.80	✓
SHB9PCM160030	4762A416030109	M16	30	25	1.95	✓
SHB9PCM160035	4762A416035109	M16	35	25	1.84	✓
SHB9PCM160040	4762A416040109	M16	40	25	2.12	✓
SHB9PCM160050	4762A416050109	M16	50	25	2.65	✓
SHB9PCM160060	4762A416060109	M16	60	25	3.00	✓
SHB9PCM160065	4762A416065109	M16	65	25	3.25	✓
SHB9PCM160080	4762A416080109	M16	80	25	3.85	✓
SHB9PCM160090	4762A416090109	M16	90	25	4.38	✓
SHB9PCM160100	4762A416100109	M16	100	25	4.65	✓
SHB9PCM160130	4762A416130109	M16	130	25	5.85	✓
SHB9PCM160140	4762A416140109	M16	140	25	6.28	✓
SHB9PCM200040	4762A420040109	M20	40	10	1.76	✓
SHB9PCM200130	4762A420130109	M20	130	10	3.91	✓
SHB9PCM200140	4762A420140109	M20	140	10	4.16	✓



BUMAX® 109

ROUND WASHERS

BUMAX® 109 ISO7089

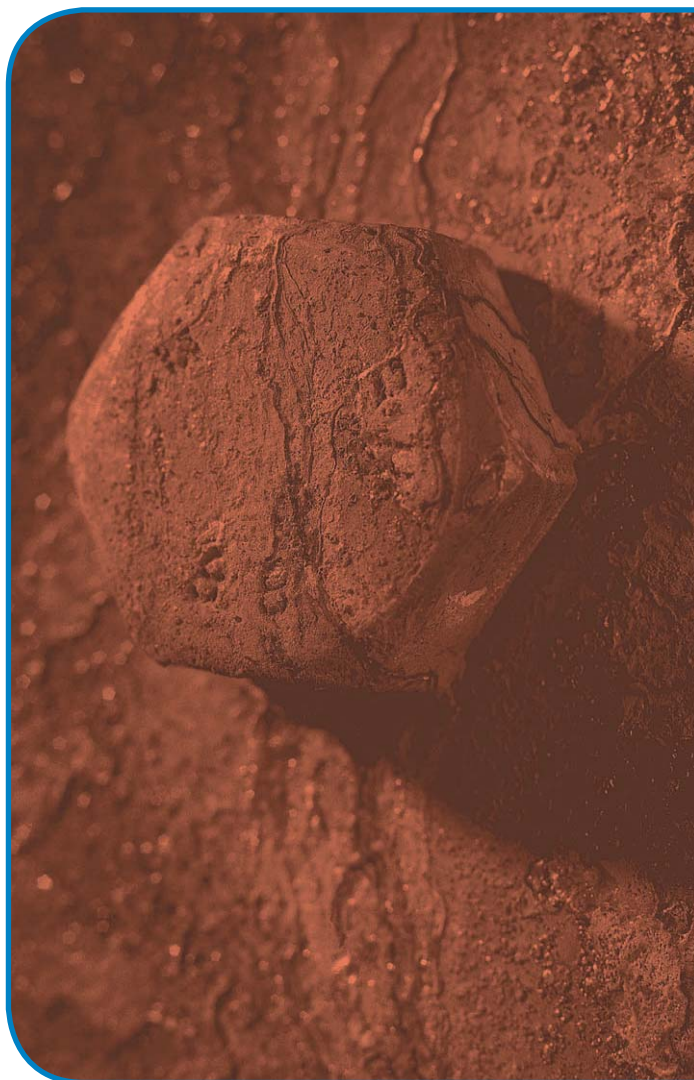
Part	BUMAX® Part	Size	OD (mm)	Thk (mm)	Pack Qty	Pack Wgt (Kg)	Stock
WRB9PM06	7089A4064109	M6	12.5	1.6	200	0.20	✓
WRB9PM08	7089A4084109	M8	17.0	1.6	100	0.18	✓
WRB9PM10	7089A4105109	M10	21.0	2.0	100	0.36	✓
WRB9PM12	7089A4130109	M12	24.0	2.5	100	0.50	✓
WRB9PM14	7089A4150109	M14	28.0	2.5	100	0.86	✓
WRB9PM16	7089A4170109	M16	30.0	3.0	100	1.06	✓
WRB9PM20	7089A4210109	M20	37.0	3.0	100	1.70	✓
WRB9PM24	7089A4260109	M24	44.0	4.0	50	1.60	✓



Why Does Rust Occur?

7.1 IN GENERAL

Rust damage on products costs large sums every year, and can also cause breakdowns through various kinds of corrosion weakening supporting structures. There are therefore strong reasons to think about what type of surface treatment a fastener should be given. Below, an account is given of the mechanism of corrosion, with some general advice which can help in choosing corrosion protection for fasteners. Also, several types of surface treatment on special parts are described.



7.2 WHAT IS CORROSION?

Steel rusts, copper oxidises and other metals, except those which are most inert, are broken down in a similar way. This type of material destruction is given the general name of corrosion. It occurs when the material reacts with its surroundings and is converted into other substances – to corrosion products. Almost all corrosion which occurs in normal working environments is of electrochemical type. It occurs in galvanic cells, corrosion cells, which function roughly in the same way as a flashlight battery. The battery has a carbon rod in its centre, and a casing of zinc plate. The carbon rod is called the cathode, the zinc plate the anode. Inside the battery, there is also a paste or sludge which is called electrolyte.

When you switch on a flashlight, current runs from the carbon rod through the bulb to the zinc plate. From there, the current goes through the electrolyte back to the carbon rod. The current takes with it zinc particles from the plate, which becomes corroded and, in due course, begins to leak. The cathode is inert (- pole), the anode is reactive (+ pole).

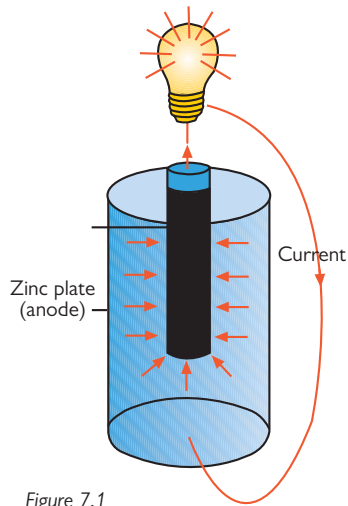


Figure 7.1

Galvanic cells which cause the corrosion can form when two different metals (or one metal and another substance which conducts electricity in the same way as a metal, for example, graphite) come into contact with an electrolyte. Corrosion caused by such material combinations is called by the common name of galvanic corrosion. Galvanic cells, often extremely small, also occur on individual metal surfaces. This is connected to the fact that industrial metals consist of microscopic granules of varying composition, and can also be due to various impurities on the surface, such as oxide scale, slag residue, etc. The granules and particles are, as with various metals, of varying degrees of inertness in relation to one another.

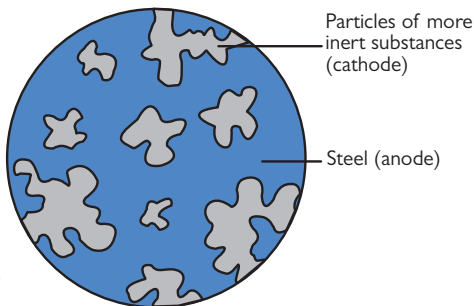


Figure 7.2

In the case of corrosion through galvanic cells, the most inert metal or particle is always a cathode, the most reactive one is always an anode.

7.3 DAMP AND OXYGEN

Without damp, no corrosion occurs, nor does it occur without oxygen. But oxygen and damp are present in the air. A certain level of damp is necessary for corrosion to occur. If the relative humidity of air exceeds 60%, a very thin film of damp forms on the metal surface, and this functions as an electrolyte.

If a steel surface has impurities on it, such as dust, salt, etc., it can corrode if the relative humidity is less than 60%, because dirt absorbs damp. Outdoors in Sweden, the humidity of the air is always sufficiently high for steel, for example, to rust. Indoors, air is heated, and as a rule, so dry that steel does not rust. When the temperature falls, for example in a factory closed for vacation, there is a risk of corrosion.

7.4 WHEN STEEL RUSTS

When the film of damp covers the steel surface, a very large number of galvanic cells are formed, all functioning in the same way as a flash-light battery.

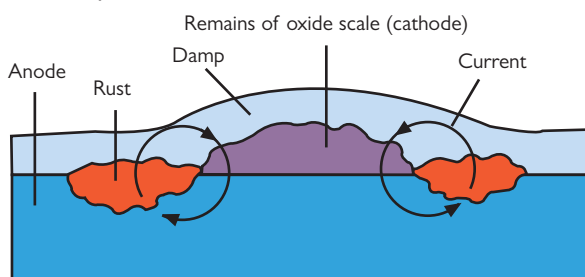


Figure 7.3

A current flows from the more inert granules or particles (cathodes) through the steel to the more reactive parts of the steel surface (anodes). The current returns from the more reactive parts out in the film of damp (electrolyte) and through it back to the more inert parts. Where the current leaves the anode, rust forms.

After a time, the entire surface is covered with rust, which also spreads downwards into the steel. As long as there is access to damp and oxygen, rust will form.

The speed of corrosion depends on the difference of inertness between the metals or metal granules, the electrical conductivity of the electrolyte, the supply of oxygen and differences in size between anode and cathode. A screw can be anode or cathode.

If a steel screw is tightened in a copper plate, the screw becomes anode, because the copper is more inert. The screw will rust more quickly because the “potential difference” is large.

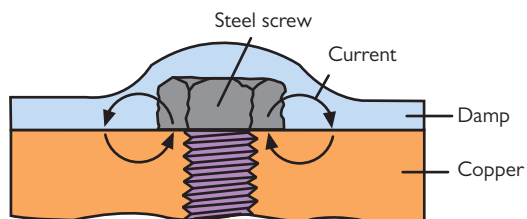


Figure 7.4

If the same steel screw is tightened in a reactive metal, for example, zinc, the screw will be cathode and will not rust. On the hand, the plate will corrode because it is more reactive than the screw.

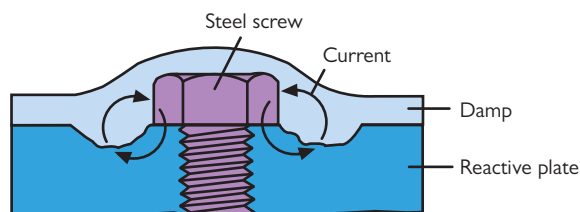


Figure 7.5

The greater the difference of inertness between the metals, the more rapid the corrosion of the more reactive/anode. In the absence of special protection measures, one should therefore only combine metals which have the same, or almost the same, inertness, if they are to be subjected to a damp environment.

In order to be able to assess the relationships of metals against one another more easily, they have been placed on a “ladder” called the galvanic stress series, see Figure 7.6. Through an electrical means of measurement, it has been possible to deduce what is called the potential of the metals.

This is an electrochemical concept which gives an idea of how inert or reactive a metal is. The most common stress series is measured with seawater as electrolyte at a temperature of +20°C. Gold is the most inert metal and is at the top of the ladder. Magnesium is the most reactive and is at the bottom.

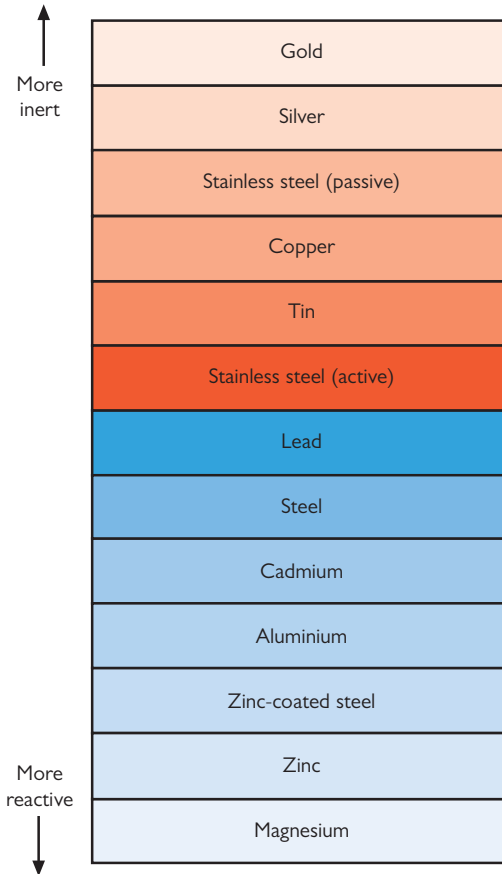


Figure 7.6

7.5 CONDUCTIVITY OF AN ELECTROLYTE

If the electrical conductivity of an electrolyte is poor, as is often the case in fresh water, the corrosion is concentrated to the area closest to the point of contact between the anode and the cathode.

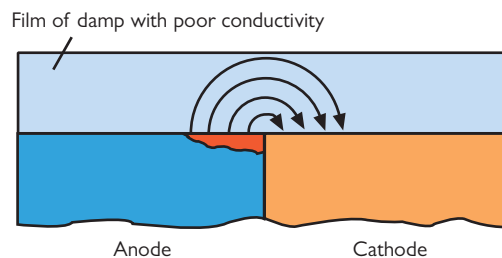


Figure 7.7

On the other hand, if conductivity is good, as in seawater, the spread of corrosion will be greater. Outdoors, the speed of corrosion is affected by impurities in the air. Rusting is worst of all in very contaminated, industrial and city atmospheres, and after that in maritime climates with salt content. Metals last better in the countryside.

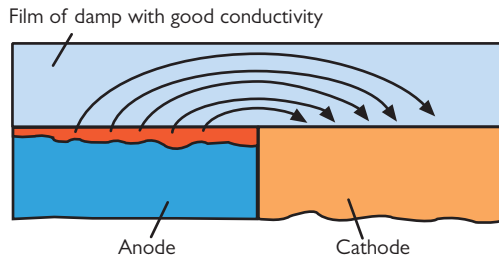


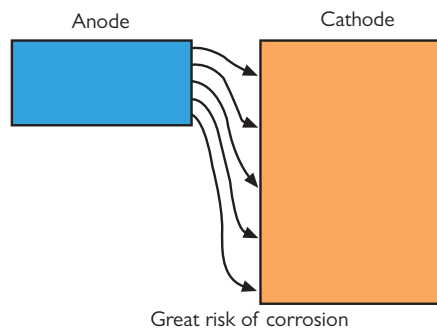
Figure 7.8

7.6 THE EFFECT OF OXYGEN

If oxygen is prevented from reaching a metal surface, the surface does not corrode. The more oxygen that arrives, the faster it corrodes within certain limits. In a hermetically sealed steel beam, for example, no rust can occur, because no oxygen gets in. Similarly, oxygen diminishes or is exhausted in closed heating systems, and corrosion decreases or ceases.

7.7 THE SIZES OF ANODES AND CATHODES

The larger the surface of the cathode, the more oxygen will be in contact with it, and the smaller the surface of the anode in relation to the cathode, the more concentrated the corrosion current will be in the anode.



The combination of small anode surface/ large cathode surface therefore involves a greater risk of corrosion.

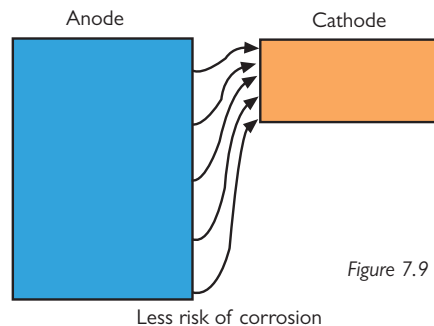


Figure 7.9

8.1 WHAT IS “STAINLESS” STEEL?

By “stainless” is generally meant a large group of types of steel which contain at least 12% chromium (Cr) and often additions of other alloy substances, for example, nickel (Ni) and molybdenum (Mo). The types of steel that BULTEN STAINLESS generally uses can be divided into the following main groups in accordance with their inner construction or structure:

1. Ferritic steel

(partially temperable)
Cr = 12 – 30%
Mo, if used = 1.3 – 2.5%
C = max 0.08%

2. Martensitic steel

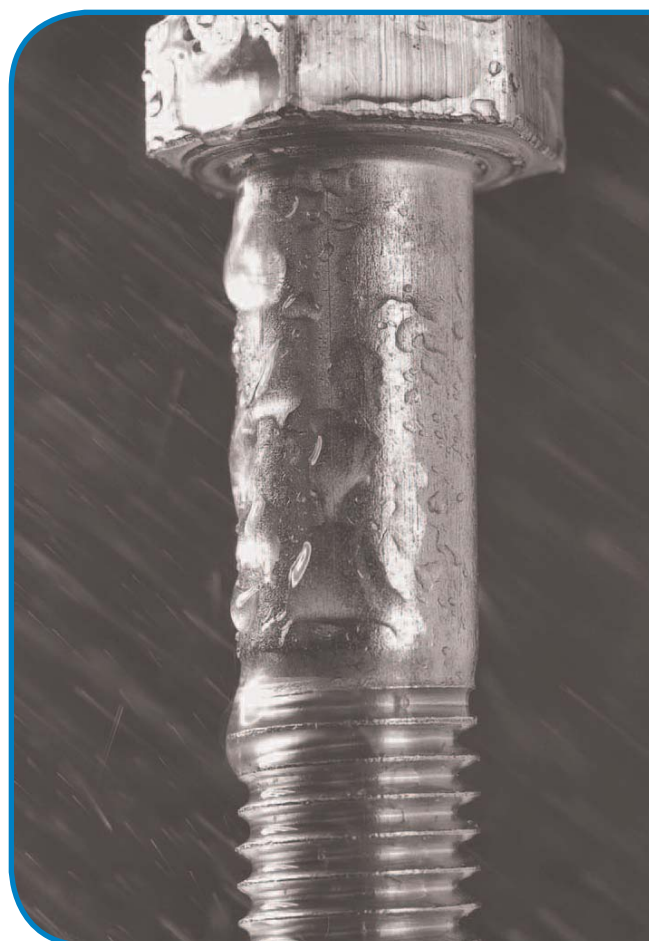
(temperable)
Cr = 12 – 18%
Mo, if used 1.3 – 2.0%
C = max 0.25%

3. Austenitic steel

(not temperable)
Cr = 16.5 – 26%
Ni = 7 – 25%
Mo, if used 1.5 – 4.5%
C = max 0.07%

4. Ferritic-austenitic steel

(partially temperable)
Cr = 17 – 27%
Ni = 4 – 6%
Mo, if used = 1.3 – 2.0%
C = max 0.10%



8.2 **STAINLESS OR ACID-RESISTANT?**

Within various supplier and customer groups, different interpretations of the concepts of stainless and acid-resistant steel are used. In its widest usage, all steel which contains over 12% chromium is designated “stainless”, irrespective of what other alloy substances are included.

In daily usage however, “stainless” primarily applies to the group’s austenitic 18/8 steel (18% Cr, 8% Ni) without Mo, and “acid-resistant” to the Mo-alloyed austenitic and ferritic-austenitic steel types. The designation “acid-resistant steel” is primarily derived from the cellulose industry, and is connected with good resistance to sulphite cooking acid. Although nowadays one is aware of the limitations of acid-resistant steel, it is still true to say that in general, the acid-resistant steel types are more resistant to corrosion than other stainless steel types, i.e., they have a lower dissolving speed. Compared with ordinary steel, for example, low-alloy steel types, stainless and acid-resistant steel have a lower dissolving speed, which means that their corrosion resistance is much better.

8.3 **COMMON TYPES OF STEEL**

In choosing stainless material, one should strive for the best weighting between corrosion resistance, strength and cost.

Stainless steel SS 14 2333 (A2) has good general strength in moderate corrosion exposure, for example in air except in a coastal climate, in fresh water, in oxidising acids¹⁾ (for example, nitric acid), in organic acids and in a large number of alkali and salt solutions. This steel should, however, not be used in a non-oxidising acid (for example, hydrochloric acid) and agents with a chlorine content that is of brackish water and seawater type.

Acid-resistant steel SS 14 2347 (AISI 316) is included in the A4 group, and is the commonest steel for A4 fasteners. The steel is intended for normal corrosion exposure in a maritime climate. Steel 14 2343 8AISI 316 L Hi Mo), which is used in BULTEN STAINLESS’ new standard BUMAX® 88 and BUMAX® 109 programmes have improved corrosion resistance compared with normal commercial A4. The BUMAX products can therefore be used in somewhat more aggressive environments, for example, water with a chloride content and non-oxidising acids. For severe corrosion conditions in liquids or gases, one must in many cases use other materials.

¹⁾ **NB!** An acid can be oxidising at room temperature and non-oxidising at higher temperatures.

A2	(SS 14 2333-AISI 304)
A4	(SS 14 2347-AISI 316)
BUMAX 88	(SS 14 2343-AISI 316 L Hi Mo)
BUMAX 109	(SS 14 2343-AISI 316 L Hi Mo)

Washer Dimensions



MUDGUARD WASHER BUMAX® 88 ISO7093

Part	BUMAX® Part	Size	ID min (mm)	ID max (mm)	OD (mm)	Thk (mm)	Pack Qty	Pack Wgt (Kg)
WRB8MM06	7093A406488	M6	6.4	6.6	18	1.6	200	0.56
WRB8MM08	7093A408488	M8	8.4	8.6	24	2.0	100	0.62
WRB8MM10	7093A410588	M10	10.5	10.8	30	2.5	100	1.20
WRB8MM12	7093A413088	M12	13.0	13.3	37	3.0	100	2.20



ROUND WASHER BUMAX® 88 ISO7089

Part	BUMAX® Part	Size	ID min (mm)	ID max (mm)	OD (mm)	Thk (mm)	Pack Qty	Pack Wgt (Kg)
WRB8PM05	7089A405388	M5	5.3	5.5	10.0	1.0	200	0.08
WRB8PM06	7089A406788	M6	6.4	6.6	12.5	1.6	200	0.26
WRB8PM08	7089A408488	M8	8.4	8.6	17.0	1.6	100	0.16
WRB8PM10	7089A410588	M10	10.5	10.8	21.0	2.0	100	0.44
WRB8PM12	7089A413088	M12	13.0	13.3	24.0	2.5	100	0.63
WRB8PM14	7089A415088	M14	15.0	15.3	28.0	2.5	100	0.86
WRB8PM16	7089A417088	M16	17.0	17.3	30.0	3.0	100	1.06
WRB8PM18	7089A419088	M18	19.0	19.3	34.0	3.0	100	1.50
WRB8PM20	7089A421088	M20	21.0	21.3	37.0	3.0	100	1.70
WRB8PM22	7089A423088	M22	23.0	23.3	39.0	3.0	100	1.90
WRB8PM24	7089A426088	M24	25.0	25.3	44.0	4.0	50	1.60
WRB8PM27	7089A428088	M27	28.0	28.3	50.0	4.0	50	2.10
WRB8PM30	7089A431088	M30	31.0	31.4	55.0	4.0	50	2.70
WRB8PM36	7089A437088	M36	37.0	37.6	65.0	5.0	50	3.68



ROUND WASHERS BUMAX® 109 ISO7089

Part	BUMAX® Part	Size	ID min (mm)	ID max (mm)	OD (mm)	Thk (mm)	Pack Qty	Pack Wgt (Kg)
WRB9PM06	7089A4064109	M6	6.4	6.6	12.5	1.6	200	0.20
WRB9PM08	7089A4084109	M8	8.4	8.6	17.0	1.6	100	0.18
WRB9PM10	7089A4105109	M10	10.5	10.8	21.0	2.0	100	0.36
WRB9PM12	7089A4130109	M12	13.0	13.3	24.0	2.5	100	0.50
WRB9PM14	7089A4150109	M14	15.0	15.3	28.0	2.5	100	0.86
WRB9PM16	7089A4170109	M16	17.0	17.3	30.0	3.0	100	1.06
WRB9PM20	7089A4210109	M20	21.0	21.3	37.0	3.0	100	1.70
WRB9PM24	7089A4260109	M24	25.0	25.3	44.0	4.0	50	1.60

Terms and Conditions



The Company and the Customer each agree with the other as follows:

DEFINITIONS

Company means Hobson Engineering Pty Limited (A.B.N. 38 000 289 958).

Customer means the party described as the customer in the Delivery Docket as amended by the Invoice.

Delivery Docket means the document furnished by the Company to the Customer.

GST has the same meaning as given in A New Tax System (Goods and Services Tax) Act 1999 ("Act").

Invoice means a tax invoice (as defined in the Act) furnished by the Company to the Customer in respect of the product.

Product means the goods described as the product in the Delivery Docket as amended by the Invoice.

Purchase Order means the request by the Customer for the Product which is accepted by the Company.

Sum means the price and other monies payable for the Product together with GST payable on the supply of the Product.

SUPPLY

The Company supplies to the Customer the Product in accordance with these terms and conditions as varied in writing by the Company. Any variation in writing by the Company shall take precedence to these terms and conditions. We reserve the right to supply 316 stainless steel in lieu of 304 stainless steel.

PRICE

The Sum is set forth in the Purchase Order as amended by the Invoice. The Customer agrees that the Sum set forth in the Purchase Order may be amended by the Invoice in respect of the following:

arithmetic error; and

GST payable on the supply of the Product not included or incorrectly calculated in the Sum.

In addition to the price the Customer agrees, if so requested by the Company, to pay:

any increase in any GST taxes and duties which the Company may be required to collect or pay in respect of the Product after the date of the Delivery Docket; and

interest accruing on a daily basis on the unpaid balance of the Sum from the due date for payment until actual receipt at the rate of 1 per cent per month.

PAYMENT

The Customer must pay the Sum within 30 days of the end of the month in which the Product is delivered to the Customer unless otherwise determined by the Company.

TITLE AND RISK

Notwithstanding any other term and condition, the parties agree that the risk of the Product passes on delivery, but title to the Product does not pass until the Sum is paid in full. Until such time as the Sum is paid in full the Customer is only at liberty to sell the Product in the ordinary course of its business as agent for the Company on the condition that it holds on trust and accounts to the Company for the proceeds thereof. Pending the passing of title to the Product the Company may require the Customer to mark the Product as being the property of the Company.

ACCEPTANCE

The initialling or signing of the Delivery Docket by the Customer or representative of the Customer shall constitute acceptance of the Product in accord with these terms and conditions.

RETURNS AND ALLOWANCES

The Customer must satisfy itself within 14 days of the date of delivery of the Product with the type and quantity of the Product. In the event that the Customer considers it has not received the appropriate type and or quantity of Product it must notify the Company in writing within 14 days of the date of delivery of the Product. The notice must refer to the Delivery Docket number, the delivery date, the invoice number (if applicable) and provide adequate details of the incorrect type and or quantity of Product.

As a consequence of this condition the receipt of Products by the Company, returned by the Customer does not constitute acceptance of the Product. Acceptance by the Company shall only be given by the Company, in writing, after the Product has been inspected and found satisfactory in the opinion of the Company. In the event that the Company does not accept the Product the Customer will be notified and the Product made available to the Customer. As a consequence of this condition no transport or freight costs shall be borne by the Company unless agreed to in writing by the Company.

EXCLUSION OF WARRANTY

Nothing in this agreement excludes, restricts or modifies any condition, warranty or liability which may at any time be implied by the Trade Practices Act or Sales of Goods Act (NSW) or equivalent State or Territory legislation or any other law where to do so is illegal or would render any provision of this agreement void.

Where the Company is responsible pursuant to the aforesaid condition warranty or liability which can not be excluded the parties agree that the Company shall only be liable for the cost of repair or the resupply of the Product. Subject to this condition any express or implied condition, statement or warranty (statutory or otherwise) in respect of the Product is expressly negated and excluded.

GENERAL

The validity, interpretation and performance of this agreement will be governed by and construed in accordance with the law of the State of New South Wales and of the Commonwealth of Australia which the parties acknowledge is the proper law of this agreement. Each of the parties irrevocably agrees that the Courts of the State of New South Wales and of the Commonwealth of Australia will have jurisdiction to hear and determine any suit, action or proceedings, and to settle any dispute, which may arise out of or in connection with this agreement and for this purpose irrevocably submits to the jurisdiction of such Courts.

DISCOUNTS as advised are applicable to the prices shown in this price list.

PRICES The resale prices or discounts referred to in the price list are recommended only and there is no obligation to comply with the recommendation. Prices are subject to GST where applicable.

Minimum invoice value is \$40.00

SHIPPING QUANTITIES On specially manufactured items ($\pm 10\%$).

VALIDITY ON SPECIAL QUOTATIONS 14 days unless otherwise stated.

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