

Break Head Open - Domed Head.....2
Break Head Open - Domed Head.....3
Break Stem Open - Domed Head.....4
Break Stem Open - Domed Head.....5
Break Stem Open - 120° Countersunk.....6
Break Stem Open - 120° Countersunk.....7
Closed End - Domed Head.....8
Closed End - 120° Countersunk.....9
Break Stem Open - Domed Head.....10
Break Stem Open - Domed Head.....11
Break Stem Open - Domed Head.....12
Break Stem Open - 120° Countersunk.....13
Break Stem Open - 120° Countersunk.....14
Solid Rivets.....15

Break Stem/Break Head Open Domed Head

Aluminium 5% Magnesium Alloy



d	l	g (min-max)	DESCRIPTION	d _h	d _k k d _m			S	T	BULK PACK		lb /1,000
					ARTICLE	BOX QTY	lb					
in	in	in		in	in	in	in	lbf	lbf			lb
0.093	0.202	.033-.093	AGS4717-303BS	0.097	0.185	0.027	0.055 /0.057	110	110	81314	10,000	1.19
	0.296	.094-.187	AGS4717-306BS							81316	10,000	1.30
0.125	0.170	.020-.062	AGS4717-402BS	0.130	0.236	0.028	0.071 /0.073	220	220	81318	10,000	1.92
	0.241	.063-.125	AGS4717-404BS							81320	10,000	2.03
	0.310	.126-.187	AGS4717-406BS							81322	10,000	2.16
	0.387	.187-.251	AGS4717-408BS							81324	10,000	2.29
	0.451	.251-.312	AGS4717-410BS							81326	10,000	2.44
0.156	0.335	.126-.187	AGS4717-506BS	0.161	0.263	0.028	0.089 /0.091	310	310	81331	8,000	3.59
	0.406	.188-.250	AGS4717-508BS							81334	8,000	3.81
	0.480	.251-.312	AGS4717-510BS							80886	5,000	3.99
	0.551	.312-.375	AGS4717-512BS							76419	5,000	4.18

Break Stem/Break Head Open 120° Countersunk

Aluminium 5% Magnesium Alloy



d	l	g (min-max)	DESCRIPTION	d _h	d _k k d _m			S	T	BULK PACK		lb /1,000
					in	in	in			lbf	lbf	
0.093	0.202	.043-.125	AGS4718-303BS	0.097	0.185	0.033	0.055 /0.057	110	110	81337	10,000	1.17
	0.296	.126-.220	AGS4718-306BS							81340	10,000	1.26
0.125	0.170	.056-.097	AGS4718-402BS	0.130	0.236	0.036	0.071 /0.073	220	220	81342	10,000	2.01
	0.241	.098-.160	AGS4718-404BS							81344	10,000	2.05
	0.310	.161-.223	AGS4718-406BS							81346	10,000	2.25
	0.382	.224-.285	AGS4718-408BS							81348	10,000	2.31

Break Stem Open Domed Head

Aluminium 3.5% Magnesium Alloy
Mandrel: Carbon Steel



d	l	g	DESCRIPTION	d _h	d _k	k	d _m	S	T	BULK PACK		KG /1,000
										ARTICLE	BOX QTY	
mm	mm	mm		mm	mm	mm	mm	N	N			kg
2.4 2.30 - 2.48	3.5	Up To 0.8	TAPD31BS	2.5 - 2.6	4.40 - 5.00	0.90	1.42	400	500	23758	10,000	0.53
	5.0	0.8 - 2.4	TAPD33BS							22806	10,000	0.54
	7.5	2.4 - 4.8	TAPD36BS							22807	10,000	0.59
3.0 2.90 - 3.08	5.0	Up To 2.0	SNAD3050BS	3.1 - 3.2	5.70 - 6.30	1.10	1.83	800	1,000	22486	10,000	0.90
	6.5	2.0 - 3.5	SNAD3065BS							22487	10,000	0.94
	8.0	3.5 - 5.0	SNAD3080BS							22489	10,000	1.00
	10.0	5.0 - 7.0	SNAD3100BS							22490	10,000	1.05
	12.0	7.0 - 9.0	SNAD3120BS							22492	8,000	1.29
	15.0	9.0 - 12.0	SNAD3150BS							22493	5,000	1.33
3.2 3.10 - 3.28	4.5	Up To 1.6	TAPD42BS	3.3 - 3.4	6.05 - 6.65	1.10	1.83	800	1,200	20124	10,000	0.87
	6.0	1.6 - 3.2	TAPD44BS							20125	10,000	0.92
	8.0	3.2 - 4.8	TAPD46BS							20127	10,000	0.98
	9.7	4.8 - 6.4	TAPD48BS							20128	10,000	1.04
	11.5	6.4 - 7.9	TAPD410BS							20129	10,000	1.11
	13.5	7.9 - 9.5	TAPD412BS							21196	8,000	1.20
	15.0	9.5 - 11.1	TAPD414BS							20056	8,000	1.26
	17.0	11.1 - 12.7	TAPD416BS							21305	8,000	1.36
	18.5	12.7 - 14.3	TAPD418BS							21519	8,000	1.37
	20.0	14.3 - 16.7	TAPD421BS							77898	7,000	1.47
24.0	16.7 - 20.7	TAPD425BS	25243	5,000	1.65							
4.0 3.90 - 4.08	5.0	Up To 1.6	TAPD52BS	4.1 - 4.2	7.62 - 8.22	1.22	2.29	1,330	1,910	21246	8,000	1.56
	7.0	1.6 - 3.2	TAPD54BS							20130	8,000	1.54
	8.5	3.2 - 4.8	TAPD56BS							20131	8,000	1.63
	10.5	4.8 - 6.4	TAPD58BS							20132	8,000	1.73
	12.2	6.4 - 7.9	TAPD510BS							20133	5,000	1.82
	14.0	7.9 - 9.5	TAPD512BS							20134	5,000	1.90
	15.7	9.5 - 11.1	TAPD514BS							21262	5,000	2.00
	17.5	11.1 - 12.7	TAPD516BS							21250	5,000	2.10
	18.5	12.7 - 13.5	TAPD517BS							75003	5,000	2.28
	19.4	12.7 - 14.5	TAPD518BS							22112	5,000	2.32
	20.2	13.5 - 15.9	TAPD520BS							21186	5,000	2.33
	22.5	15.9 - 17.4	TAPD522BS							25316	5,000	2.56
	24.7	17.4 - 19.8	TAPD525BS							80911	5,000	2.59

Break Stem Open Domed Head

Aluminium 3.5% Magnesium Alloy
Mandrel: Carbon Steel



d	l	g	DESCRIPTION	d _h	d _k	k	d _m	S	T	BULK PACK		/1,000 kg
										ARTICLE	BOX QTY	
mm	mm	mm		mm	mm	mm	mm	N	N			kg
4.8 4.70 - 4.88	6.5	Up To 2.4	TAPD63BS	4.9 - 5.0	9.20 - 9.80	1.60	2.64	2,020	2,800	21313	5,000	2.35
	7.5	2.4 - 3.2	TAPD64BS							20136	5,000	2.16
	9.2	3.2 - 4.8	TAPD66BS							20137	5,000	2.28
	11.0	4.8 - 6.4	TAPD68BS							20138	5,000	2.42
	12.7	6.4 - 7.9	TAPD610BS							20139	5,000	2.56
	14.7	7.9 - 9.5	TAPD612BS							20140	4,000	2.68
	16.5	9.5 - 11.1	TAPD614BS							20141	4,000	2.90
	19.0	11.1 - 13.5	TAPD617BS							21190	4,000	3.05
	21.0	13.5 - 15.5	TAPD621BS							22928	3,000	3.48
	23.0	15.5 - 17.5	TAPD623BS							23248	3,000	3.63
	25.5	17.5 - 19.8	TAPD625BS							22968	3,000	3.47
	32.5	19.8 - 26.2	TAPD633BS							23776	2,000	4.10
5.0 4.94 - 5.08	6.5	Up To 3.5	SNAD5065BS	5.1 - 5.2	8.70 - 9.30	1.60	2.64	2,200	2,600	22976	5,000	2.35
	8.0	3.5 - 4.5	SNAD5080BS							22977	5,000	2.47
	10.0	4.5 - 6.0	SNAD5100BS							22978	5,000	2.62
	12.0	6.0 - 7.5	SNAD5120BS							22979	5,000	2.77
	15.0	7.5 - 9.5	SNAD5140BS							22980	5,000	2.81
	16.0	9.5 - 11.5	SNAD5160BS							22981	5,000	3.04
	19.0	11.5 - 13.5	SNAD5180BS							22982	5,000	3.11
	20.0	13.5 - 15.5	SNAD5200BS							22983	4,000	3.18
	22.0	16.5 - 17.5	SNAD5220BS							22984	3,000	3.55
	25.0	17.5 - 20.5	SNAD5250BS							22985	3,000	3.77
6.0 5.93 - 6.08	8.0	0.5 - 3.5	SNAD6080BS	6.1 - 6.2	11.70 - 12.30	2.10	3.20	3,000	3,800	23387	4,000	4.03
	10.0	3.5 - 5.5	SNAD6100BS							23345	2,000	4.14
	12.0	5.5 - 7.5	SNAD6120BS							23346	2,000	4.58
	15.0	7.5 - 9.5	SNAD6140BS							23347	2,000	4.90
	16.0	9.5 - 11.5	SNAD6160BS							23373	2,000	5.00
	19.0	11.5 - 13.5	SNAD6180BS							23389	2,000	5.25
	20.0	13.5 - 15.5	SNAD6200BS							23354	2,000	5.34
6.4 6.25 - 6.48	12.7	Up To 6.4	TAPD88BS	6.5 - 6.6	12.40 - 13.00	2.10	3.66	3,200	4,525	22941	2,000	5.58
	16.2	6.4 - 9.5	TAPD812BS							75786	2,000	6.33
	19.5	9.5 - 12.7	TAPD816BS							22730	2,000	6.50
	26.2	12.7 - 19.8	TAPD824BS							22234	2,000	7.36

Break Stem Open 120° Countersunk

Aluminium 3.5% Magnesium Alloy
Mandrel: Carbon Steel



d	l	g	DESCRIPTION	d _h	d _k	k	d _m	S	T	BULK PACK		KG /1,000
										ARTICLE	BOX QTY	
mm	mm	mm		mm	mm	mm	mm	N	N			kg
2.4 2.30 - 2.48	4.5	Up To 1.6	TAPK31BS	2.5 - 2.6	4.50 - 4.90	-	1.42	400	500	81259	10,000	0.53
	6.0	1.6 - 3.2	TAPK33BS							23175	10,000	0.53
	8.5	3.2 - 5.6	TAPK36BS							23010	10,000	0.57
3.0 2.90 - 3.08	5.2	Up To 2.0	SNAK350BS	3.1 - 3.2	5.70 - 6.30	-	1.83	800	1,000	23054	10,000	0.91
	6.7	2.0 - 3.5	SNAK365BS							22754	10,000	1.00
	8.2	3.5 - 5.0	SNAK380BS							22760	10,000	1.02
	10.2	5.0 - 7.0	SNAK3100BS							on request		1.05
	12.2	7.0 - 9.0	SNAK3120BS							on request		1.12
15.2	9.0 - 12.0	SNAK3150BS	on request		1.35							
3.2 3.10 - 3.28	5.5	Up To 2.7	TAPK42BS	3.3 - 3.4	6.05 - 6.65	-	1.83	800	1,200	21067	10,000	0.91
	7.5	2.7 - 4.3	TAPK44BS							24484	10,000	0.93
	9.0	4.3 - 5.8	TAPK46BS							20144	10,000	1.02
	11.0	5.8 - 7.4	TAPK48BS							21207	10,000	1.05
	12.7	7.4 - 9.0	TAPK410BS							20145	10,000	1.14
	14.5	9.0 - 10.6	TAPK412BS							21304	8,000	1.29
	16.2	10.6 - 12.2	TAPK414BS							20075	8,000	1.31
	18.0	12.2 - 13.8	TAPK416BS							21306	8,000	1.34
	19.7	13.8 - 15.4	TAPK418BS							21542	8,000	1.39
	21.4	15.4 - 17.7	TAPK421BS							81298	8,000	1.46
25.4	17.7 - 20.9	TAPK425BS	on request		1.54							
4.0 3.90 - 4.08	6.5	Up To 2.9	TAPK52BS	4.1 - 4.2	7.75 - 8.05	-	2.29	1,330	1,910	21248	8,000	1.56
	8.5	2.9 - 4.5	TAPK54BS							20146	8,000	1.60
	10.0	4.5 - 6.1	TAPK56BS							20147	8,000	1.65
	12.0	6.1 - 7.7	TAPK58BS							20148	8,000	1.78
	13.5	7.7 - 9.3	TAPK510BS							21312	5,000	1.93
	15.5	9.3 - 10.9	TAPK512BS							21069	5,000	1.96
	17.0	10.9 - 12.4	TAPK514BS							21070	5,000	2.06
	19.0	12.4 - 14.0	TAPK516BS							21071	5,000	2.26
	20.0	14.0 - 14.8	TAPK517BS							80685	5,000	2.28
	22.0	14.8 - 17.2	TAPK520BS							80858	5,000	2.37

**Break Stem Open
120° Countersunk**

Aluminium 3.5% Magnesium Alloy
Mandrel: Carbon Steel



d	l	g	DESCRIPTION	d _h	d _k	k	d _m	S	T	BULK PACK		KG /1,000
										ARTICLE	BOX QTY	
mm	mm	mm		mm	mm	mm	mm	N	N			kg
4.8 4.70 - 4.88	8.5	Up To 1.6	TAPK63BS	4.9 - 5.0	9.33 - 9.73	-	2.64	2,020	2,800	21314	5,000	2.35
	9.5	1.6 - 4.8	TAPK64BS							21279	5,000	2.38
	11.0	4.8 - 6.4	TAPK66BS							21256	5,000	2.44
	13.0	6.4 - 7.9	TAPK68BS							21269	5,000	2.70
	14.5	7.9 - 9.5	TAPK610BS							20150	5,000	2.76
	16.5	9.5 - 11.1	TAPK612BS							21072	4,000	2.80
	18.2	11.1 - 12.7	TAPK614BS							20151	4,000	3.04
	20.0	12.7 - 14.3	TAPK616BS							on request		3.08
	21.0	14.3 - 15.1	TAPK617BS							21174	4,000	3.13
	27.5	15.1 - 21.4	TAPK625BS							22969	3,000	3.63
	34.0	21.4 - 27.8	TAPK633BS							81310	2,000	4.08
5.0 4.85 - 5.08	6.7	Up To 3.5	SNAK5065BS	5.1 - 5.2	8.50 - 9.00	-	2.64	2,200	2,600	on request		2.47
	8.2	3.5 - 4.5	SNAK5080BS							on request		2.58
	10.2	4.5 - 6.0	SNAK5100BS							on request		2.71
	12.2	6.0 - 7.5	SNAK5120BS							on request		2.88
	14.2	7.5 - 9.5	SNAK5140BS							on request		2.93
	16.2	9.5 - 11.5	SNAK5160BS							on request		3.14
	18.2	11.5 - 13.5	SNAK5180BS							on request		3.22
	20.2	13.5 - 15.5	SNAK5200BS							on request		3.29
	22.2	15.5 - 17.5	SNAK5220BS							on request		3.66
	25.2	17.5 - 20.5	SNAK5250BS							on request		3.88
	28.2	19.5 - 23.5	SNAK5280BS							on request		4.36
30.2	20.5 - 25.5	SNAK5300BS	on request		4.67							

Closed End Domed Head

Aluminium 5% Magnesium Alloy
Mandrel: Carbon Steel



d	l	g	DESCRIPTION	d _h	d _k	k	d _m	S	T	BULK PACK		KG /1,000
										ARTICLE	BOX QTY	
mm	mm	mm		mm	mm	mm	mm	N	N			kg
3.2 3.10 - 3.28	6.0	Up To 1.6	AD42SB	3.3 - 3.4	5.70 - 6.30	1.10	1.63	1,110	1,400	80387	10,000	0.75
	7.5	1.6 - 3.2	AD44SB							80392	10,000	0.77
	9.0	3.2 - 4.8	AD46SB							80402	10,000	0.80
	11.0	4.8 - 6.4	AD48SB							80407	10,000	0.88
	12.5	6.4 - 7.9	AD410SB							80448	10,000	0.90
4.0 3.90 - 4.08	8.0	Up To 3.2	AD54SB	4.1 - 4.2	7.62 - 8.22	1.50	2.18	1,640	2,220	80414	8,000	1.59
	9.5	3.2 - 4.8	AD56SB							80419	8,000	1.61
	11.0	4.8 - 6.4	AD58SB							80423	8,000	1.65
	12.5	6.4 - 7.9	AD510SB							80376	5,000	1.68
4.8 4.73 - 4.88	8.3	Up To 3.2	AD64SB	4.9 - 5.0	9.20 - 9.85	1.75	2.64	2,260	3,110	80427	5,000	2.38
	10.0	3.2 - 4.8	AD66SB							80434	5,000	2.44
	11.5	4.8 - 6.4	AD68SB							80442	5,000	2.48
	13.0	6.4 - 7.9	AD610SB							80458	5,000	2.54
	14.5	7.9 - 9.5	AD612SB							80466	5,000	2.72
	18.0	9.5 - 12.7	AD616SB							80472	4,000	2.93
6.4 6.32 - 6.48	13.0	Up To 6.4	AD84H	6.5 - 6.6	12.06 - 13.34	2.51	3.66	4,000	4,800	23481	2,000	4.80
	16.0	6.4 - 9.5	AD86H							80258	2,000	5.12

Closed End

120° Countersunk

Aluminium 5% Magnesium Alloy
Mandrel: Stainless Steel



d	l	g	DESCRIPTION	d _h	d _k	k	d _m	S	T	BULK PACK		/1,000 kg
										ARTICLE	BOX QTY	
mm	mm	mm		mm	mm	mm	mm	N	N			kg
3.2 3.10 - 3.28	7.0	Up To 2.5	AK42SS	3.3 - 3.4	5.69 - 6.29	-	1.65	1,110	1,400	80495	10,000	0.83
	8.5	2.5 - 4.1	AK44SS							80501	10,000	0.86
	10.0	4.1 - 5.6	AK46SS							80507	10,000	0.88
	11.7	5.6 - 7.2	AK48SS							80240	10,000	0.90
	13.3	7.2 - 8.8	AK410SS							80321	10,000	0.95
4.0 3.90 - 4.08	9.5	Up To 4.4	AK54SS	4.1 - 4.2	7.62 - 8.22	-	2.18	1,640	2,220	75653	8,000	1.59
	11.0	4.4 - 6.0	AK56SS							75919	8,000	1.61
	12.5	6.0 - 7.6	AK58SS							76460	8,000	1.65
	14.0	7.6 - 9.2	AK510SS							75394	8,000	1.69
4.8 4.70 - 4.88	10.0	Up To 4.7	AK64SS	5.0 - 5.1	9.25 - 9.85	-	2.62	2,260	3,110	80338	5,000	2.38
	11.5	4.7 - 6.3	AK66SS							80530	5,000	2.44
	13.0	6.3 - 7.9	AK68SS							80535	5,000	2.48
	14.7	7.9 - 9.4	AK610SS							80546	5,000	2.54
	16.3	9.4 - 11.0	AK612SS							80378	5,000	2.74
	19.5	11.0 - 14.2	AK616SS							80339	4,000	2.98
23.5	14.2 - 18.4	AK620SS	77860	4,000	3.30							

Break Stem Open Domed Head

Carbon Steel
Mandrel: Carbon Steel



d	l	g	DESCRIPTION	d _h	d _k	k	d _m	S	T	BULK PACK		KG /1,000
										ARTICLE	BOX QTY	
mm	mm	mm		mm	mm	mm	mm	N	N			kg
2.8 2.73 - 2.88	5.3	0.5 - 2.9	TSPD33BS	2.9 - 3.0	5.24 - 5.84	1.32	1.83	715	930	78619	10,000	1.06
3.0 2.94 - 3.08	5.0	Up To 2.0	SNSD3050BS	3.1 - 3.2	5.70 - 6.30	1.10	1.83	1,100	1,400	78446	10,000	1.12
	6.5	2.0 - 3.5	SNSD3065BS							78441	10,000	1.18
	8.0	3.5 - 5.0	SNSD3080BS							78442	10,000	1.30
	10.0	5.0 - 7.0	SNSD3100BS							78443	10,000	1.47
	12.0	7.0 - 9.0	SNSD3120BS							78444	8,000	1.54
15.0	9.0 - 12.0	SNSD3150BS	78445	5,000	1.70							
3.2 3.10 - 3.28	4.5	Up To 1.6	TSPD42BS	3.3 - 3.4	6.05 - 6.65	1.10	1.93	1,150	1,550	81939	10,000	1.17
	6.0	1.6 - 3.2	TSPD44BS							81796	10,000	1.27
	8.0	3.2 - 4.8	TSPD46BS							81728	10,000	1.39
	9.5	4.8 - 6.4	TSPD48BS							75645	10,000	1.77
	11.5	6.4 - 7.9	TSPD410BS							77994	8,000	1.60
	13.5	7.9 - 9.5	TSPD412BS							75647	8,000	1.81
	15.0	9.5 - 11.1	TSPD414BS							81780	8,000	1.85
17.0	11.1 - 12.7	TSPD416BS	81779	8,000	1.93							
19.0	12.7 - 14.3	TSPD418BS	77996	6,000	2.03							
4.0 3.85 - 4.08	5.0	Up To 1.6	TSPD52BS	4.1 - 4.2	7.72 - 8.22	1.35	2.29	1,730	2,500	78719	6,000	2.00
	7.0	1.6 - 3.2	TSPD54BS							77932	6,000	2.10
	8.5	3.2 - 4.8	TSPD56BS							78009	6,000	2.22
	10.5	4.8 - 6.4	TSPD58BS							81789	5,000	2.45
	12.2	6.4 - 7.9	TSPD510BS							75650	5,000	2.62
	14.0	7.9 - 9.5	TSPD512BS							81769	5,000	2.78
	15.9	9.5 - 11.1	TSPD514BS							81768	5,000	2.99
	17.6	11.1 - 12.7	TSPD516BS							78004	4,000	3.18
19.5	12.7 - 13.5	TSPD517BS	on request		3.27							
4.8 4.65 - 4.88	6.5	Up To 2.4	TSPD63BS	4.9 - 5.0	9.22 - 9.82	1.60	2.90	2,620	3,500	78585	4,000	3.35
	7.5	2.4 - 3.2	TSPD64BS							78042	4,000	3.40
	9.3	3.2 - 4.8	TSPD66BS							78049	4,000	3.55
	11.0	4.8 - 6.4	TSPD68BS							81727	4,000	3.88
	12.7	6.4 - 7.9	TSPD610BS							77939	3,000	4.00
	14.5	7.9 - 9.5	TSPD612BS							78032	3,000	4.53
	16.5	9.5 - 11.1	TSPD614BS							77942	3,000	4.67
	18.3	11.1 - 12.7	TSPD616BS							77944	3,000	4.83
	19.0	12.7 - 13.5	TSPD617BS							78038	3,000	4.90
	20.3	12.7 - 15.9	SD610BS							78518	2,000	4.00
	23.5	15.9 - 19.1	SD612BS							78519	2,500	4.44
	26.7	19.1 - 22.2	SD614BS							on request		5.36
29.8	22.3 - 25.4	SD616BS	78520	2,000	6.25							

**Break Stem Open
Domed Head**

Carbon Steel
Mandrel: Carbon Steel

d	l	g	DESCRIPTION	d _h	d _k	k	d _m	S	T	BULK PACK		/1,000 kg
										ARTICLE	BOX QTY	
mm	mm	mm		mm	mm	mm	mm	N	N			kg
5.0 4.85 - 5.08	6.5	Up To 2.5	SNSD5065BS	5.1 - 5.2	8.70 - 9.30	1.60	2.90	2,880	3,790	77928	4,000	3.40
	8.0	2.5 - 4.0	SNSD5080BS							78463	4,000	3.55
	10.5	4.0 - 6.0	SNSD5100BS							78464	4,000	3.88
	12.0	6.0 - 8.0	SNSD5120BS							78468	3,000	4.00
	14.0	8.0 - 10.0	SNSD5140BS							78469	3,000	4.43
	16.0	10.0 - 12.0	SNSD5160BS							78470	3,000	4.67
	18.0	12.0 - 14.0	SNSD5180BS							78471	3,000	4.83
	22.0	16.0 - 18.0	SNSD5220BS							on request		5.17
6.0 5.85 - 6.08	8.0	Up To 2.0	SNSD6080BS	6.1 - 6.2	11.70 - 12.30	2.10	3.65	4,200	5,500	on request		6.40
	10.0	2.0 - 4.0	SNSD6100BS							78450	2,000	6.74
	12.0	4.0 - 6.0	SNSD6120BS							78452	2,000	7.56
	14.0	6.0 - 8.0	SNSD6140BS							78454	2,000	7.70
	16.0	8.0 - 10.0	SNSD6160BS							on request		7.88
	18.0	10.0 - 12.0	SNSD6180BS							on request		8.02
	20.0	12.0 - 14.0	SNSD6200BS							on request		8.20
6.4 6.40 - 6.51	9.5	0.5 - 3.8	TSPD8095BS	6.53 - 6.63	10.55 - 11.15	1.55	3.86	5,000	5,700	78620	2,000	6.80
	13.0	3.8 - 7.6	TSPD8130BS							78586	1,500	8.25
	18.5	7.6 - 12.7	TSPD8185BS							78607	1,500	8.47
	21.6	12.7 - 15.9	SD810BS							78521	1,000	9.20
	24.8	15.9 - 19.1	SD812BS							78522	1,000	9.92
	27.9	19.1 - 22.2	SD814BS							on request		10.60
	31.1	22.2 - 25.4	SD816BS							78562	1,000	11.30

Break Stem Open Domed Head

Nickel Copper Alloy
Mandrel: Carbon Steel



d	l	g	DESCRIPTION	d _h	d _k	k	d _m	S	T	BULK PACK		KG /1,000
										ARTICLE	BOX QTY	
mm	mm	mm		mm	mm	mm	mm	N	N			kg
2.8 2.74 - 2.88	5.0	Up To 1.8	TLPD319BS	2.9 - 3.0	4.70 - 5.06	0.60	1.83	1,150	1,300	78717	10,000	0.95
	5.5	1.8 - 2.3	TLPD321BS							78685	10,000	0.95
3.2 3.15 - 3.25	5.0	0.5 - 1.8	TLPD419BS	3.3 - 3.4	5.80 - 6.17	0.72	1.93	1,500	1,900	82268	10,000	1.22
	6.2	1.8 - 3.1	TLPD424BS							25329	10,000	1.30
	7.5	3.1 - 4.3	TLPD429BS							25330	10,000	1.42
	9.0	4.3 - 5.8	TLPD435BS							25331	10,000	1.44
	10.3	5.8 - 7.1	TLPD440BS							25332	10,000	1.52
4.0 3.85 - 4.08	6.2	Up To 2.5	TLPD524BS	4.1 - 4.2	6.50 - 6.90	0.80	2.29	2,200	3,000	25350	8,000	2.10
	7.8	2.5 - 4.1	TLPD530BS							78415	6,000	2.24
	9.5	4.1 - 5.8	TLPD537BS							77490	6,000	2.51
	10.3	5.8 - 6.6	TLPD540BS							77494	6,000	2.58
	11.5	6.6 - 7.9	TLPD545BS							79302	6,000	2.66
4.8 4.70 - 4.88	7.7	2.3 - 3.8	TLPD630BS	4.9 - 5.0	7.85 - 8.40	1.27	2.90	3,300	3,750	78073	4,000	3.22
	9.3	3.8 - 5.1	TLPD636BS							77614	4,000	3.32
	10.0	5.1 - 5.8	TLPD639BS							77619	4,000	3.72
	12.8	5.8 - 8.6	TLPD650BS							78593	4,000	3.90
	16.5	8.6 - 12.5	TLPD665BS							78588	3,000	4.51
	19.0	12.5 - 15.0	TLPD675BS							77678	3,000	4.68
6.4 6.32 - 6.48	13.0	Up To 7.6	TLPD850BS	6.5 - 6.7	10.50 - 11.10	1.60	3.86	5,400	6,750	78613	1,500	8.2
	18.0	7.6 - 12.7	TLPD870BS							78614	1,500	8.8

**Break Stem Open
120° Countersunk**

Nickel Copper Alloy
Mandrel: Carbon Steel



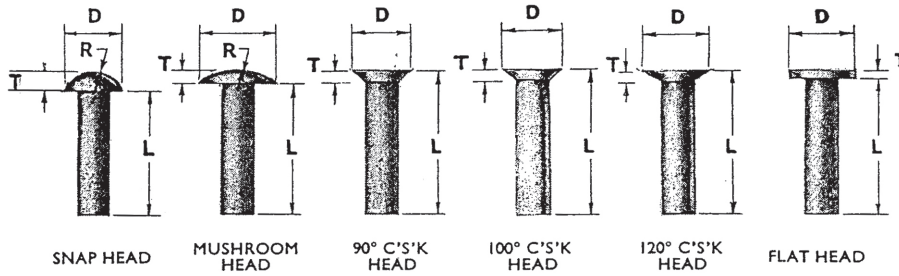
d	l	g	DESCRIPTION	d _h	d _k	k	d _m	S	T	BULK PACK		/1,000 kg
										ARTICLE	BOX QTY	
mm	mm	mm		mm	mm	mm	mm	N	N			kg
2.8 2.74 - 2.88	5.5	0.5 - 2.3	TLPK319BS	2.9 - 3.0	4.7 - 5.1	-	1.83	1,150	1,300	79096	10,000	0.96
	6.0	2.3 - 2.8	TLPK321BS							79097	10,000	0.97
3.2 3.15 - 3.25	5.8	0.8 - 2.5	TLPK419BS	3.3 - 3.4	5.8 - 6.2	-	1.93	1,500	1,900	25338	10,000	1.25
	7.0	2.5 - 3.8	TLPK424BS							25339	10,000	1.30
	8.5	3.8 - 5.1	TLPK429BS							25340	10,000	1.40
	10.0	5.1 - 6.6	TLPK435BS							25341	10,000	1.47
	11.2	6.6 - 7.9	TLPK440BS							25342	10,000	1.50
4.0 3.92 - 4.08	7.2	Up To 3.3	TLPK524BS	4.1 - 4.2	6.5 - 6.9	-	2.29	2,200	3,000	25363	8,000	2.10
	8.7	3.3 - 4.8	TLPK530BS							78416	6,000	2.24
	10.5	4.8 - 6.6	TLPK537BS							77500	6,000	2.51
	11.3	6.6 - 7.4	TLPK540BS							77504	6,000	2.58
4.8 4.70 - 4.88	9.0	3.1 - 4.6	TLPK630BS	4.9 - 5.0	7.85 - 8.40	-	2.90	3,300	3,750	78075	4,000	3.18
	10.5	4.6 - 5.8	TLPK636BS							78896	4,000	3.32
	11.0	5.8 - 6.6	TLPK639BS							77634	4,000	3.72
	14.0	6.6 - 9.4	TLPK650BS							77640	4,000	4.87
	18.0	9.4 - 13.2	TLPK665BS							77683	3,000	4.51
20.5	13.2 - 15.8	TLPK675BS	77685	3,000	4.67							
6.4 6.40 - 6.50	14.5	4.6 - 8.4	TLPK850BS	6.6 - 6.7	10.60 - 11.10	-	3.86	5,400	6,750	78611	1,500	7.87
	19.4	8.4 - 13.5	TLPK870BS							78612	1,500	8.60



Break Stem Open 120° Countersunk

Carbon Steel
Mandrel: Carbon Steel

d	l	g	DESCRIPTION	d _h	d _k	k	d _m	S	T	BULK PACK		KG /1,000
										ARTICLE	BOX QTY	
mm	mm	mm		mm	mm	mm	mm	N	N			kg
2.4 2.33 - 2.48	6.1	0.8 - 3.2	TSPK33BS	2.5 - 2.6	4.40 - 5.00	-	1.42	700	1,000	77570	10,000	0.78
	8.5	3.2 - 6.0	TSPK36BS							78451	10,000	0.81
3.2 3.15 - 3.28	5.4	0.8 - 2.7	TSPK42BS	3.3 - 3.4	6.05 - 6.65	-	1.93	1,150	1,550	78490	10,000	1.20
	7.3	2.7 - 4.3	TSPK44BS							81751	10,000	1.26
	9.0	4.3 - 5.8	TSPK46BS							75739	10,000	1.42
	10.8	5.8 - 7.4	TSPK48BS							81750	10,000	1.50
	12.6	7.4 - 9.0	TSPK410BS							78489	10,000	1.67
	14.4	9.0 - 10.6	TSPK412BS							81749	8,000	1.82
16.1	10.6 - 12.2	TSPK414BS	78447	8,000	1.85							
4.0 3.92 - 4.08	6.5	Up To 2.9	TSPK52BS	4.1 - 4.2	7.63 - 8.23	-	2.29	1,730	2,500	78483	6,000	2.00
	8.5	2.9 - 4.5	TSPK54BS							78288	6,000	2.10
	10.0	4.5 - 6.1	TSPK56BS							78058	6,000	2.22
	12.0	6.1 - 7.7	TSPK58BS							81746	5,000	2.44
	13.5	7.7 - 9.3	TSPK510BS							81745	5,000	2.66
	15.5	9.3 - 10.9	TSPK512BS							78488	5,000	2.77
17.0	10.9 - 12.4	TSPK514BS	78440	5,000	3.00							
4.8 4.60 - 4.83	8.4	Up To 2.4	TSPK63BS	4.9 - 5.0	9.20 - 9.80	-	2.90	2,620	3,500	78484	4,000	3.35
	9.3	2.4 - 4.8	TSPK64BS							78065	4,000	3.40
	11.1	4.8 - 6.4	TSPK66BS							78485	4,000	3.55
	12.8	6.4 - 7.9	TSPK68BS							81743	4,000	3.88
	14.6	7.9 - 9.5	TSPK610BS							78599	3,000	4.00
	16.4	9.5 - 11.1	TSPK612BS							75954	4,000	4.37
	18.2	11.1 - 12.7	TSPK614BS							78466	3,000	4.67
	20.0	12.7 - 14.3	TSPK616BS							78467	3,000	4.83
21.0	14.3 - 15.1	TSPK617BS	78061	3,000	4.90							



MATERIAL	SPECIFICATIONS				SURFACE TREATMENT	IDENTIFICATION MARK	
						BS	AS
LIGHT ALLOY							
Aluminium L.36	SP.77	—	—	SP.68 PH	—	Black Anodized	1 —
"	AS.155	—	AS.160	—	AS.163	" None "	1 A
Duralumin L.37 *	SP.78	SP.83	—	SP.69 PH	—	"	7 —
"	AS.156	AS.158	AS.161	—	AS.164	"	7 D
M.G.S. L.58 ...	SP.79	SP.84	—	SP.70 PH	—	Green Anodized	8 —
"	AS.157	AS.159	AS.162	—	AS.165	Violet Anodized	8 X
Alum. Alloy L.86	SP.80	SP.85	—	SP.71 PH	—	"	0 —
"	AS.2227	AS.2228	AS.2229	—	AS.2230	" "	0 S
FERROUS							
Mild Steel ...	SP.76	—	—	SP.86	—	Cadmium Coated	— —
"	AS.455	—	AS.460	—	AS.463	" "	— —
NON-FERROUS							
Monel DTD.204A	SP.81	—	—	SP.87	—	None	M —
"	AS.457	—	AS.462	—	AS.465	"	— M
"	SP.82	—	—	SP.88	—	Cadmium Coated	M —
"	AS.4694	—	AS.4695	—	AS.4696	"	— M
Copper ...	AS.459	—	AS.467	—	—	AS.469 None	— —

P.H. PRECISION HEAD
 * REQUIRED HEAT TREATMENT

RANGE OF LENGTHS AND DIAMETERS

The last two digits indicate length in 1/16", the remaining digit or digits indicates diameter in 1/32" e.g.: 1/8" dia x 9/16" long = 409.

Diameter	1/16"	3/32"	1/8"	5/32"	3/16"	7/32"	1/4"	9/32"	5/16"	11/32"	3/8"
Length 'L'	PART NUMBERS										
1/8"	202	302									
3/16"	203	303	403								
1/4"	204	304	404	504	604						
5/16"	205	305	405	505	605	705	805				
3/8"	206	306	406	506	606	706	806	906	1006		
7/16"	207	307	407	507	607	707	807	907	1007	1107	1207
1/2"	208	308	408	508	608	708	808	908	1008	1108	1208
9/16"	209	309	409	509	609	709	809	909	1009	1109	1209
5/8"	210	310	410	510	610	710	810	910	1010	1110	1210
11/16"	211	311	411	511	611	711	811	911	1011	1111	1211
3/4"	212	312	412	512	612	712	812	912	1012	1112	1212
13/16"	213	313	413	513	613	713	813	913	1013	1113	1213
7/8"	214	314	414	514	614	714	814	914	1014	1114	1214
15/16"	215	315	415	515	615	715	815	915	1015	1115	1215
1"	216	316	416	516	616	716	816	916	1016	1116	1216
1.1/8"		318	418	518	618	718	818	918	1018	1118	1218
1.1/4"		320	420	520	620	720	820	920	1020	1120	1220
1.3/8"		322	422	522	622	722	822	922	1022	1122	1222
1.1/2"		324	424	524	624	724	824	924	1024	1124	1224
1.3/4"		328	428	528	628	728	828	928	1028	1128	1228
2"				532	632		832	932	1032	1132	1232