

BULK INSERTS

Metric

Part Number		INSTALLED LENGTH		
		Size	D's	mm
05022	Metric	M2-0.4	1D	2
05023	Metric	M2-0.4	1.5D	3
05024	Metric	M2-0.4	2D	4
05025	Metric	M2-0.4	2.5D	5
05026	Metric	M2-0.4	3D	6
05012	Metric	M2.2-0.45	1D	2.2
05013	Metric	M2.2-0.45	1.5D	3.3
05014	Metric	M2.2-0.45	2D	4.4
05015	Metric	M2.2-0.45	2.5D	5.5
05016	Metric	M2.2-0.45	3D	6.6
05252	Metric	M2.5- 0.45	1D	2.5
05253	Metric	M2.5- 0.45	1.5D	3.8
05254	Metric	M2.5- 0.45	2D	5
05255	Metric	M2.5- 0.45	2.5D	6.3
05256	Metric	M2.5- 0.45	3D	7.5
05032	Metric	M3-0.5	1D	3
05033	Metric	M3-0.5	1.5D	4.5
05034	Metric	M3-0.5	2D	6
05035	Metric	M3-0.5	2.5D	7.52
05036	Metric	M3-0.5	3D	9
05352	Metric	M3.5-0.6	1D	3.5
05353	Metric	M3.5-0.6	1.5D	5.3
05354	Metric	M3.5-0.6	2D	7
05355	Metric	M3.5-0.6	2.5D	8.8
05356	Metric	M3.5-0.6	3D	10.5
05042	Metric	M4-0.7	1D	4
05043	Metric	M4-0.7	1.5D	6
05044	Metric	M4-0.7	2D	8
05045	Metric	M4-0.7	2.5D	10
05046	Metric	M4-0.7	3D	12
05052	Metric	M5-0.8	1D	5
05050-6.25	Metric	M5-0.8	1.25D	6.25
05053	Metric	M5-0.8	1.5D	7.5
05054	Metric	M5-0.8	2D	10
05055	Metric	M5-0.8	2.5D	12.5
05056	Metric	M5-0.8	3D	15
05062	Metric	M6-1	1D	6
05060-7.5	Metric	M6-1	1.25D	7.5
05063	Metric	M6-1	1.5D	9
05064	Metric	M6-1	2D	12
05065	Metric	M6-1	2.5D	15
05066	Metric	M6-1	3D	18
05072	Metric	M7-1	1D	7

**INSTALLED LENGTH**

Part Number		Size	D's	mm
05073	Metric	M7-1	1.5D	10.5
05074	Metric	M7-1	2D	14
05075	Metric	M7-1	2.5D	17.5
05076	Metric	M7-1	3D	21
07082	Metric	M8-1	1D	8
07083	Metric	M8-1	1.5D	12
07084	Metric	M8-1	2D	16
07085	Metric	M8-1	2.5D	20
07086	Metric	M8-1	3D	24
05082	Metric	M8-1.25	1D	8
05080-10	Metric	M8-1.25	1.25D	10
05083	Metric	M8-1.25	1.5D	12
05084	Metric	M8-1.25	2D	16
05085	Metric	M8-1.25	2.5D	20
05086	Metric	M8-1.25	3D	24
07092	Metric	M9-1	1D	9
07093	Metric	M9-1	1.5D	13.5
07094	Metric	M9-1	2D	18
07095	Metric	M9-1	2.5D	22.5
07096	Metric	M9-1	3D	27
05092	Metric	M9-1.25	1D	9
05093	Metric	M9-1.25	1.5D	13.5
05094	Metric	M9-1.25	2D	18
05095	Metric	M9-1.25	2.5D	22.5
05096	Metric	M9-1.25	3D	27
08100-6.8	Metric	M10-1		6.8
08102	Metric	M10-1	1D	10
08103	Metric	M10-1	1.5D	15
08104	Metric	M10-1	2D	20
08105	Metric	M10-1	2.5D	25
08106	Metric	M10-1	3D	30
07102	Metric	M10-1.25	1D	10
07103	Metric	M10-1.25	1.5D	15
07104	Metric	M10-1.25	2D	20
07105	Metric	M10-1.25	2.5D	25
07106	Metric	M10-1.25	3D	30
05102	Metric	M10-1.5	1D	10
05100-12.5	Metric	M10-1.5	1.25D	12.5
05103	Metric	M10-1.5	1.5D	15
05104	Metric	M10-1.5	2D	20
05105	Metric	M10-1.5	2.5D	25
05106	Metric	M10-1.5	3D	30
08112	Metric	M11-1	1D	11
08113	Metric	M11-1	1.5D	16.5
08114	Metric	M11-1	2D	22
08115	Metric	M11-1	2.5D	27.5
08116	Metric	M11-1	3D	33
07112	Metric	M11-1.25	1D	11
07113	Metric	M11-1.25	1.5D	16.5



INSTALLED LENGTH				
Part Number		Size	D's	mm
07114	Metric	M11-1.25	2D	22
07115	Metric	M11-1.25	2.5D	27.5
07116	Metric	M11-1.25	3D	33
05112	Metric	M11-1.5	1D	11
05113	Metric	M11-1.5	1.5D	16.5
05114	Metric	M11-1.5	2D	22
05115	Metric	M11-1.5	2.5D	27.5
05116	Metric	M11-1.5	3D	33
08122-1	Metric	M12 - 1	1D	12
08123-1	Metric	M12 - 1	1.5D	18
08124-1	Metric	M12 - 1	2D	24
08125-1	Metric	M12 - 1	2.5D	30
08126-1	Metric	M12 - 1	3D	36
08122	Metric	M12-1.25	1D	12
08123	Metric	M12-1.25	1.5D	18
08124	Metric	M12-1.25	2D	24
08125	Metric	M12-1.25	2.5D	30
08126	Metric	M12-1.25	3D	36
07122	Metric	M12-1.5	1D	12
07123	Metric	M12-1.5	1.5D	18
07124	Metric	M12-1.5	2D	24
07125	Metric	M12-1.5	2.5D	30
07126	Metric	M12-1.5	3D	36
05122	Metric	M12-1.75	1D	12
05120-15	Metric	M12-1.75	1.25D	15
05123	Metric	M12-1.75	1.5D	18
05124	Metric	M12-1.75	2D	24
05125	Metric	M12-1.75	2.5D	30
05126	Metric	M12-1.75	3D	36
07142	Metric	M14-1.5	1D	14
07143	Metric	M14-1.5	1.5D	21
07144	Metric	M14-1.5	2D	28
07145	Metric	M14-1.5	2.5D	35
07146	Metric	M14-1.5	3D	42
05142	Metric	M14-2	1D	14
05143	Metric	M14-2	1.5D	21
05144	Metric	M14-2	2D	28
05145	Metric	M14-2	2.5D	35
05146	Metric	M14-2	3D	42
07162	Metric	M16-1.5	1D	16
07163	Metric	M16-1.5	1.5D	24
07164	Metric	M16-1.5	2D	32
07165	Metric	M16-1.5	2.5D	40
07166	Metric	M16-1.5	3D	48
05162	Metric	M16-2	1D	16
05160-20	Metric	M16 -2	1.25D	20
05163	Metric	M16-2	1.5D	24
05164	Metric	M16-2	2D	32
05165	Metric	M16-2	2.5D	40

INSTALLED LENGTH				
Part Number		Size	D's	mm
05166	Metric	M16-2	3D	48
08180-13.5	Metric	M18 - 1.5	0.75D	13.5
08182	Metric	M18 - 1.5	1D	18
08183	Metric	M18 - 1.5	1.5D	27
08184	Metric	M18 - 1.5	2D	36
08185	Metric	M18 - 1.5	2.5D	45
08186	Metric	M18 - 1.5	3D	54
07182	Metric	M18-2	1D	18
07183	Metric	M18-2	1.5D	27
07184	Metric	M18-2	2D	36
07185	Metric	M18-2	2.5D	45
07186	Metric	M18-2	3D	54
05182	Metric	M18-2.5	1D	18
05180-13.5	Metric	M18-2.5	1.25D	13.5
05183	Metric	M18-2.5	1.5D	27
05184	Metric	M18-2.5	2D	36
05185	Metric	M18-2.5	2.5D	45
05186	Metric	M18-2.5	3D	54
08200-10	Metric	M20-1.5	0.5D	10
08200-15	Metric	M20-1.5	0.75D	15
08202	Metric	M20-1.5	1D	20
08203	Metric	M20-1.5	1.5D	30
08204	Metric	M20-1.5	2D	40
08205	Metric	M20-1.5	2.5D	50
08206	Metric	M20-1.5	3D	60
07200-10	Metric	M20-2	0.5D	10
07200-15	Metric	M20-2	0.75D	15
07202	Metric	M20-2	1D	20
07203	Metric	M20-2	1.5D	30
07204	Metric	M20-2	2D	40
07205	Metric	M20-2	2.5D	50
07206	Metric	M20-2	3D	60
05200-10	Metric	M20-2.5	0.5D	10
05200-15	Metric	M20-2.5	0.75D	15
05202	Metric	M20-2.5	1D	20
05203	Metric	M20-2.5	1.5D	30
05204	Metric	M20-2.5	2D	40
05205	Metric	M20-2.5	2.5D	50
05206	Metric	M20-2.5	3D	60
08220-11	Metric	M22-1.5	0.5D	11
08220-16.5	Metric	M22-1.5	0.75D	16.5
08222	Metric	M22-1.5	1D	22
08223	Metric	M22-1.5	1.5D	33
08224	Metric	M22-1.5	2D	44
08225	Metric	M22-1.5	2.5D	55
08226	Metric	M22-1.5	3D	66
07220-11	Metric	M22-2.5	0.5D	11
07220-16.5	Metric	M22-2.5	0.75D	16.5
07222	Metric	M22-2	1D	22

INSTALLED LENGTH				
Part Number		Size	D's	mm
07223	Metric	M22-2	1.5D	33
07224	Metric	M22-2	2D	44
07225	Metric	M22-2	2.5D	55
07226	Metric	M22-2	3D	66
05220-11	Metric	M22-2.5	0.5D	11
05220-16.5	Metric	M22-2.5	0.75D	16.5
05222	Metric	M22-2.5	1D	22
05223	Metric	M22-2.5	1.5D	33
05224	Metric	M22-2.5	2D	44
05225	Metric	M22-2.5	2.5D	55
05226	Metric	M22-2.5	3D	66
08240-12	Metric	M24-1.5	0.5D	12
08242	Metric	M24-1.5	1D	24
08243	Metric	M24-1.5	1.5D	36
08244	Metric	M24-1.5	2D	48
08245	Metric	M24-1.5	2.5D	60
08246	Metric	M24-1.5	3D	72
07240-12	Metric	M24 - 2	0.5D	12
07242	Metric	M24-2	1D	24
07243	Metric	M24-2	1.5D	36
07244	Metric	M24-2	2D	48
07245	Metric	M24-2	2.5D	60
07246	Metric	M24-2	3D	72
05240-12	Metric	M24-2.5	0.5D	12
05240-18	Metric	M24-2.5	0.75D	18
05242	Metric	M24-3	1D	24
05243	Metric	M24-3	1.5D	36
05244	Metric	M24-3	2D	48
05245	Metric	M24-3	2.5D	60
05246	Metric	M24-3	3D	72
08262	Metric	M26-1.5	1D	26
08263	Metric	M26-1.5	1.5D	39
08264	Metric	M26-1.5	2D	52
08270-13.5	Metric	M27-1.5	0.5D	13.5
08270-20.25	Metric	M27-1.5	0.75D	20.25
08272	Metric	M27-1.5	1D	27
08273	Metric	M27-1.5	1.5D	40.5
07270-13.5	Metric	M27-2	0.5D	13.5
07270-20.25	Metric	M27-2	0.75D	20.25
07272	Metric	M27-2	1D	27
07273	Metric	M27-2	1.5D	40.5
07274	Metric	M27-2	2D	54
07275	Metric	M27-2	2.5D	67.5
07276	Metric	M27-2	3D	81
05270-13.5	Metric	M27-3	0.5D	13.5
05270-20.25	Metric	M27-3	0.75D	20.25
05272	Metric	M27-3	1D	27
05273	Metric	M27-3	1.5D	40.5
05274	Metric	M27-3	2D	54



INSTALLED LENGTH				
Part Number		Size	D's	mm
05275	Metric	M27-3	2.5D	67.5
05276	Metric	M27-3	3D	81
08302	Metric	M30-1.5	1D	30
08303	Metric	M30-1.5	1.5D	45
08304	Metric	M30-1.5	2D	60
08305	Metric	M30-1.5	2.5D	75
08306	Metric	M30-1.5	3D	90
07302	Metric	M30-2	1D	30
07303	Metric	M30-2	1.5D	45
07304	Metric	M30-2	2D	60
07305	Metric	M30-2	2.5D	75
07306	Metric	M30-2	3D	90
05302-3	Metric	M30-3	1D	30
05303-3	Metric	M30-3	1.5D	45
05304-3	Metric	M30-3	2D	60
05305-3	Metric	M30-3	2.5D	75
05306-3	Metric	M30-3	3D	90
05302	Metric	M30-3.5	1D	30
05303	Metric	M30-3.5	1.5D	45
05304	Metric	M30-3.5	2D	60
05305	Metric	M30-3.5	2.5D	75
05306	Metric	M30-3.5	3D	90
08362	Metric	M36-1.5	1D	36
08363	Metric	M36-1.5	1.5D	54
08364	Metric	M36-1.5	2D	72
08365	Metric	M36-1.5	2.5D	90
08366	Metric	M36-1.5	3D	108
07362	Metric	M36-3	1D	36
07363	Metric	M36-3	1.5D	34.5
07364	Metric	M36-3	2D	72
07365	Metric	M36-3	2.5D	90
07366	Metric	M36-3	3	108
05362	Metric	M36-4	1D	36
05363	Metric	M36-4	1.5D	54
05364	Metric	M36-4	2D	72
05365	Metric	M36-4	2.5D	90
05366	Metric	M36-4	3D	108
08392	Metric	M39-2	1D	39
08393	Metric	M39-2	1.5D	58.5
08394	Metric	M39-2	2D	78
08395	Metric	M39-2	2.5D	97.5
08396	Metric	M39-2	3D	117
07392	Metric	M39-3	1D	39
07393	Metric	M39-3	1.5D	58.5
07394	Metric	M39-3	2D	78
07395	Metric	M39-3	2.5D	97.5
07396	Metric	M39-3	3D	117
05392	Metric	M39-4	1D	39
05393	Metric	M39-4	1.5D	58.5

**INSTALLED LENGTH**

Part Number		Size	D's	mm
05394	Metric	M39-4	2D	78
05395	Metric	M39 -4	2.5D	97.5
05396	Metric	M39 -4	3D	117
08422	Metric	M42-2	1D	42
08423	Metric	M42-2	1.5D	63
07422	Metric	M42-3	1D	42
07423	Metric	M42-3	1.5D	63
07424	Metric	M42-3	2D	84
05422-4	Metric	M42-4	1D	42
05423-4	Metric	M42-4	1.5D	63
05424-4	Metric	M42-4	2D	84
05422	Metric	M42-4.5	1D	42
05423	Metric	M42-4.5	1.5D	63
05424	Metric	M42-4.5	2D	84
05453	Metric	M45-3	1.5D	67.5
05483-4	Metric	M48-4	1.5D	72
07483	Metric	M48-3	1.5D	72
05483	Metric	M48-5	1.5D	72
07523	Metric	M52-3	1.5D	78
05523	Metric	M52-5	1.5D	78

SPARK PLUGS

08108	Metric	M10-1	0.339	0.3125
08109	Metric	M10-1	1/2"	0.3905
08122	Metric	M12-1.25	1/2"	0.4732
08123	Metric	M12-1.25	3/4"	0.6226
08140	Metric	M14 - 1.25	3/4"	1.4682
08147	Metric	M14 - 1.25	7/16"	0.8125
08148	Metric	M14 - 1.25	3/8"	0.5645
08149	Metric	M14 - 1.25	1/2"	0.9993
08189	Metric	M18 - 1.5	1/2"	1.1551

EXHAUST ANALYSER KIT

08181XUP	Metric	M18 - 1.5		
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UNC

03522	UNC	2-56	1D	0.086
03523	UNC	2-56	1.5D	0.129
03524	UNC	2-56	2D	0.172
03525	UNC	2-56	2.5D	0.215
03526	UNC	2-56	3D	0.258
03532	UNC	3-48	1D	0.099
03533	UNC	3-48	1.5D	0.149
03534	UNC	3-48	2D	0.198
03535	UNC	3-48	2.5D	0.248
03536	UNC	3-48	3D	0.297
03542	UNC	4-40	1D	0.112
03543	UNC	4-40	1.5D	0.168
03544	UNC	4-40	2D	0.224
03545	UNC	4-40	2.5D	0.28

**INSTALLED LENGTH**

Part Number		Size	D's	mm
03546	UNC	4-40	3D	0.336
03552	UNC	5-40	1D	0.125
03553	UNC	5-40	1.5D	0.188
03554	UNC	5-40	2D	0.25
03555	UNC	5-40	2.5D	0.313
03556	UNC	5-40	3D	0.375
03562	UNC	6-32	1D	0.138
03563	UNC	6-32	1.5D	0.207
03564	UNC	6-32	2D	0.276
03565	UNC	6-32	2.5D	0.345
03566	UNC	6-32	3D	0.414
03582	UNC	8-32	1D	0.164
03583	UNC	8-32	1.5D	0.246
03584	UNC	8-32	2D	0.328
03585	UNC	8-32	2.5D	0.41
03586	UNC	8-32	3D	0.492
03602	UNC	10-24	1D	0.19
03603	UNC	10-24	1.5D	0.285
03604	UNC	10-24	2D	0.38
03605	UNC	10-24	2.5D	0.475
03606	UNC	10-24	3D	0.57
03622	UNC	12-24	1D	0.216
03623	UNC	12-24	1.5D	0.324
03624	UNC	12-24	2D	0.432
03625	UNC	12-24	2.5D	0.54
03626	UNC	12-24	3D	0.648
03042	UNC	1/4-20	1D	0.25
03043	UNC	1/4-20	1.5D	0.375
03044	UNC	1/4-20	2D	0.5
03045	UNC	1/4-20	2.5D	0.625
03046	UNC	1/4-20	3D	0.75
03052	UNC	5/16-18	1D	0.312
03053	UNC	5/16-18	1.5D	0.468
03054	UNC	5/16-18	2D	0.624
03055	UNC	5/16-18	2.5D	0.78
03056	UNC	5/16-18	3D	0.936
03062	UNC	3/8-16	1D	0.375
03063	UNC	3/8-16	1.5D	0.563
03064	UNC	3/8-16	2D	0.75
03065	UNC	3/8-16	2.5D	0.938
03066	UNC	3/8-16	3D	1.125
03072	UNC	7/16-14	1D	0.438
03073	UNC	7/16-14	1.5D	0.657
03074	UNC	7/16-14	2D	0.876
03075	UNC	7/16-14	2.5D	1.095
03076	UNC	7/16-14	3D	1.314
03082	UNC	1/2-13	1D	0.438
03083	UNC	1/2-13	1.5D	0.657
03084	UNC	1/2-13	2D	0.876



INSTALLED LENGTH					
Part Number		Size	D's	mm	
03085	UNC	1/2-13	2.5D	1.095	
03086	UNC	1/2-13	3D	1.314	
03092	UNC	9/16-12	1D	0.562	
03093	UNC	9/16-12	1.5D	0.843	
03094	UNC	9/16-12	2D	1.124	
03095	UNC	9/16-12	2.5D	1.405	
03096	UNC	9/16-12	3D	1.686	
03102	UNC	5/8-11	1D	0.625	
03103	UNC	5/8-11	1.5D	0.938	
03104	UNC	5/8-11	2D	1.25	
03105	UNC	5/8-11	2.5D	1.563	
03106	UNC	5/8-11	3D	1.875	
03112	UNC	11/16-11	1D	0.688	
03113	UNC	11/16-11	1.5D	1.032	
03114	UNC	11/16-11	2D	1.376	
03115	UNC	11/16-11	2.5D	1.72	
03116	UNC	11/16-11	3D	2.064	
03122	UNC	3/4-10	1D	0.75	
03123	UNC	3/4-10	1.5D	1.125	
03124	UNC	3/4-10	2D	1.5	
03125	UNC	3/4-10	2.5D	1.875	
03126	UNC	3/4-10	3D	2.25	
03142	UNC	7/8-9	1D	0.875	
03143	UNC	7/8-9	1.5D	1.313	
03144	UNC	7/8-9	2D	1.75	
03145	UNC	7/8-9	2.5D	2.188	
03146	UNC	7/8-9	3D	2.625	
03162	UNC	1"-8	1D	1	
03163	UNC	1"-8	1.5D	1.5	
03164	UNC	1"-8	2D	2	
03165	UNC	1"-8	2.5D	2.5	
03166	UNC	1"-8	3D	3	
03182	UNC	1 1/8-7	1D	1.125	
03183	UNC	1 1/8-7	1.5D	1.688	
03184	UNC	1 1/8-7	2D	2.25	
03185	UNC	1 1/8-7	2.5D	2.812	
03186	UNC	1 1/8-7	3D	3.375	
03202	UNC	1 1/4-7	1D	1.25	
03203	UNC	1 1/4-7	1.5D	1.875	
03204	UNC	1 1/4-7	2D	2.5	
03205	UNC	1 1/4-7	2.5D	3.125	
03206	UNC	1 1/4-7	3D	3.75	
03222	UNC	1 3/8-6	1D	1.375	
03223	UNC	1 3/8-6	1.5D	2.063	
03224	UNC	1 3/8-6	2D	2.75	
03225	UNC	1 3/8-6	2.5D	3.438	
03226	UNC	1 3/8-6	3D	4.125	
03242	UNC	1 1/2-6	1D	1.5	
03243	UNC	1 1/2-6	1.5D	2.25	



INSTALLED LENGTH				
Part Number		Size	D's	mm
03244	UNC	1 1/2-6	2D	3
03245	UNC	1 1/2-6	2.5D	3.75
03246	UNC	1 1/2-6	3D	4.5
UNF				
04532	UNF	3-56	1D	0.099
04533	UNF	3-56	1.5D	0.149
04534	UNF	3-56	2D	0.198
04535	UNF	3-56	2.5D	0.248
04536	UNF	3-56	3D	0.297
04542	UNF	4-48	1D	0.112
04543	UNF	4-48	1.5D	0.168
04544	UNF	4-48	2D	0.224
04545	UNF	4-48	2.5D	0.28
04546	UNF	4-48	3D	0.336
04562	UNF	6-40	1D	0.138
04563	UNF	6-40	1.5D	0.207
04564	UNF	6-40	2D	0.276
04565	UNF	6-40	2.5D	0.345
04566	UNF	6-40	3D	0.414
04582	UNF	8-36	1D	0.164
04583	UNF	8-36	1.5D	0.246
04584	UNF	8-36	2D	0.328
04585	UNF	8-36	2.5D	0.41
04586	UNF	8-36	3D	0.492
04602	UNF	10-32	1D	0.19
04603	UNF	10-32	1.5D	0.285
04604	UNF	10-32	2D	0.38
04605	UNF	10-32	2.5D	0.475
04606	UNF	10-32	3D	0.57
04622	UNF	12-28	1D	0.216
04623	UNF	12-28	1.5D	0.324
04624	UNF	12-28	2D	0.432
04625	UNF	12-28	2.5D	0.54
04626	UNF	12-28	3D	0.648
04042	UNF	1/4-28	1D	0.25
04043	UNF	1/4-28	1.5D	0.375
04044	UNF	1/4-28	2D	0.5
04045	UNF	1/4-28	2.5D	0.625
04046	UNF	1/4-28	3D	0.75
04052	UNF	5/16-24	1D	0.312
04053	UNF	5/16-24	1.5D	0.468
04054	UNF	5/16-24	2D	0.624
04055	UNF	5/16-24	2.5D	0.78
04056	UNF	5/16-24	3D	0.936
04062	UNF	3/8-24	1D	0.375
04063	UNF	3/8-24	1.5D	0.563
04064	UNF	3/8-24	2D	0.75
04065	UNF	3/8-24	2.5D	0.938



INSTALLED LENGTH					
Part Number		Size	D's		mm
04066	UNF	3/8-24	3D		1.125
04072	UNF	7/16-20	1D		0.438
04073	UNF	7/16-20	1.5D		0.657
04074	UNF	7/16-20	2D		0.876
04075	UNF	7/16-20	2.5D		1.095
04076	UNF	7/16-20	3D		1.314
04082	UNF	1/2-20	1D		0.438
04083	UNF	1/2-20	1.5D		0.657
04084	UNF	1/2-20	2D		0.876
04085	UNF	1/2-20	2.5D		1.095
04086	UNF	1/2-20	3D		1.314
04092	UNF	9/16-18	1D		0.562
04093	UNF	9/16-18	1.5D		0.843
04094	UNF	9/16-18	2D		1.124
04095	UNF	9/16-18	2.5D		1.405
04096	UNF	9/16-18	3D		1.686
04102	UNF	5/8-18	1D		0.625
04103	UNF	5/8-18	1.5D		0.938
04104	UNF	5/8-18	2D		1.25
04105	UNF	5/8-18	2.5D		1.563
04106	UNF	5/8-18	3D		1.875
04122	UNF	3/4-16	1D		0.75
04123	UNF	3/4-16	1.5D		1.125
04124	UNF	3/4-16	2D		1.5
04125	UNF	3/4-16	2.5D		1.875
04126	UNF	3/4-16	3D		2.25
04142	UNF	7/8-14	1D		0.875
04143	UNF	7/8-14	1.5D		1.313
04144	UNF	7/8-14	2D		1.75
04145	UNF	7/8-14	2.5D		2.188
04146	UNF	7/8-14	3D		2.625
04162	UNF	1"-12	1D		1
04163	UNF	1"-12	1.5D		1.5
04164	UNF	1"-12	2D		2
04165	UNF	1"-12	2.5D		2.5
04166	UNF	1"-12	3D		3
04162-14	UNF	1"-14	1D		1
04163-14	UNF	1"-14	1.5D		1.5
04164-14	UNF	1"-14	2D		2
04182	UNF	1 1/8-12	1D		1.125
04183	UNF	1 1/8-12	1.5D		1.688
04184	UNF	1 1/8-12	2D		2.25
04185	UNF	1 1/8-12	2.5D		2.812
04186	UNF	1 1/8-12	3D		3.375
04202	UNF	1 1/4-12	1D		1.25
04203	UNF	1 1/4-12	1.5D		1.875
04204	UNF	1 1/4-12	2D		2.5
04205	UNF	1 1/4-12	2.5D		3.125
04206	UNF	1 1/4-12	3D		3.75

**INSTALLED LENGTH**

Part Number		Size	D's	mm
04222	UNF	1 3/8-12	1D	1.375
04223	UNF	1 3/8-12	1.5D	2.063
04224	UNF	1 3/8-12	2D	2.75
04225	UNF	1 3/8-12	2.5D	3.438
04226	UNF	1 3/8-12	3D	4.125
04242	UNF	1 1/2-12	1D	1.5
04243	UNF	1 1/2-12	1.5D	2.25
04244	UNF	1 1/2-12	2D	3
04245	UNF	1 1/2-12	2.5D	3.75
04246	UNF	1 1/2-12	3D	4.5
BSW				
02022	BSW	1/8-40	1D	0.125
02023	BSW	1/8-40	1.5D	0.188
02024	BSW	1/8-40	2D	0.25
02025	BSW	1/8-40	2.5D	0.313
02026	BSW	1/8-40	3D	0.375
02032	BSW	3/16-24	1D	0.188
02033	BSW	3/16-24	1.5D	0.281
02034	BSW	3/16-24	2D	0.375
02035	BSW	3/16-24	2.5D	0.469
02036	BSW	3/16-24	3D	0.563
02042	BSW	1/4-20	1D	0.25
02043	BSW	1/4-20	1.5D	0.375
02044	BSW	1/4-20	2D	0.5
02045	BSW	1/4-20	2.5D	0.625
02046	BSW	1/4-20	3D	0.75
02052	BSW	5/16-18	1D	0.312
02053	BSW	5/16-18	1.5D	0.468
02054	BSW	5/16-18	2D	0.624
02055	BSW	5/16-18	2.5D	0.78
02056	BSW	5/16-18	3D	0.936
02062	BSW	3/8-16	1D	0.375
02063	BSW	3/8-16	1.5D	0.563
02064	BSW	3/8-16	2D	0.75
02065	BSW	3/8-16	2.5D	0.938
02066	BSW	3/8-16	3D	1.125
02072	BSW	7/16-14	1D	0.438
02073	BSW	7/16-14	1.5D	0.657
02074	BSW	7/16-14	2D	0.876
02075	BSW	7/16-14	2.5D	1.095
02076	BSW	7/16-14	3D	1.314
02082	BSW	1/2-12	1D	0.5
02083	BSW	1/2-12	1.5D	0.75
02084	BSW	1/2-12	2D	1
02085	BSW	1/2-12	2.5D	1.25
02086	BSW	1/2-12	3D	1.5
02092	BSW	9/16-12	1D	0.562
02093	BSW	9/16-12	1.5D	0.843



INSTALLED LENGTH				
Part Number		Size	D's	mm
02094	BSW	9/16-12	2D	1.124
02095	BSW	9/16-12	2.5D	1.405
02096	BSW	9/16-12	3D	1.686
02102	BSW	5/8-11	1D	0.625
02103	BSW	5/8-11	1.5D	0.938
02104	BSW	5/8-11	2D	1.25
02105	BSW	5/8-11	2.5D	1.563
02106	BSW	5/8-11	3D	1.875
02122	BSW	3/4-10	1D	0.75
02123	BSW	3/4-10	1.5D	1.125
02124	BSW	3/4-10	2D	1.5
02125	BSW	3/4-10	2.5D	1.875
02126	BSW	3/4-10	3D	2.25
02142	BSW	7/8-9	1D	0.875
02143	BSW	7/8-9	1.5D	1.313
02144	BSW	7/8-9	2D	1.75
02145	BSW	7/8-9	2.5D	2.188
02146	BSW	7/8-9	3D	2.625
02162	BSW	1 -8	1D	1
02163	BSW	1 -8	1.5D	1.5
02164	BSW	1 -8	2D	2
02165	BSW	1 -8	2.5D	2.5
02166	BSW	1 -8	3D	3
BSF				
00032	BSF	3/16-32	1D	0.188
00033	BSF	3/16-32	2.5D	0.281
00034	BSF	3/16-32	2D	0.375
00035	BSF	3/16-32	2.5D	0.469
00036	BSF	3/16-32	3D	0.563
00042	BSF	1/4-26	1D	0.25
00043	BSF	1/4-26	1.5D	0.375
00044	BSF	1/4-26	2D	0.5
00045	BSF	1/4-26	2.5D	0.625
00046	BSF	1/4-26	3D	0.75
00052	BSF	5/16-22	1D	0.312
00053	BSF	5/16-22	1.5D	0.468
00054	BSF	5/16-22	2D	0.624
00055	BSF	5/16-22	2.5D	0.78
00056	BSF	5/16-22	3D	0.936
00062	BSF	3/8-20	1D	0.375
00063	BSF	3/8-20	1.5D	0.563
00064	BSF	3/8-20	2D	0.75
00065	BSF	3/8-20	2.5D	0.938
00066	BSF	3/8-20	3D	1.125
00072	BSF	7/16-18	1D	0.438
00073	BSF	7/16-18	1.5D	0.657
00074	BSF	7/16-18	2D	0.876
00075	BSF	7/16-18	2.5D	1.095



INSTALLED LENGTH					
Part Number		Size	D's		mm
00076	BSF	7/16 -18	3D		0.134
00082	BSF	1/2-16	1D		0.5
00083	BSF	1/2-16	1.5D		0.75
00084	BSF	1/2-16	2D		1
00085	BSF	1/2-16	2.5D		1.25
00086	BSF	1/2-16	3D		1.5
00092	BSF	9/16-16	1D		0.562
00093	BSF	9/16-16	1.5D		0.843
00094	BSF	9/16-16	2D		1.124
00095	BSF	9/16 - 16	2.5D		1.405
00096	BSF	9/16-16	3D		1.686
00102	BSF	5/8-14	1D		0.625
00103	BSF	5/8-14	1.5D		0.938
00104	BSF	5/8-14	2D		1.25
00105	BSF	5/8-14	2.5D		1.563
00106	BSF	5/8-14	3D		1.875
00122	BSF	3/4-12	1D		0.75
00123	BSF	3/4-12	1.5D		1.125
00124	BSF	3/4-12	2D		1.5
00125	BSF	3/4-12	2.5D		1.875
00126	BSF	3/4-12	3D		2.25
00142	BSF	7/8-11	1D		0.875
00143	BSF	7/8-11	1.5D		1.313
00144	BSF	7/8-11	2D		1.75
00145	BSF	7/8-11	2.5D		2.188
00146	BSF	7/8 - 11	3D		2.625
00162	BSF	1- 10	1D		1
00163	BSF	1 -10	1.5D		1.5
00164	BSF	1 -10	2D		2
00165	BSF	1 -10	2.5D		2.5
00166	BSF	1 - 10	3D		3
BSC					
06502	BSC	5/16-26	1D		0.313
06503	BSC	5/16-26	1.5D		0.469
06504	BSC	5/16-26	2D		0.625
06602	BSC	3/8-26	1D		0.375
06603	BSC	3/8-26	1.5D		0.563
06604	BSC	3/8-26	2D		0.75
06702	BSC	7/16-26	1D		0.438
06703	BSC	7/16-26	1.5D		0.656
06704	BSC	7/16-26	2D		0.875
06802	BSC	1/2-26	1D		0.5
06803	BSC	1/2-26	1.5D		0.75
06804	BSC	1/2-26	2D		1
BSP - GAS					
01022	BSP - GAS	1/8-28	1D		0.125
01023	BSP - GAS	1/8-28	1.5D		0.188
01024	BSP - GAS	1/8-28	2D		0.25

**INSTALLED LENGTH**

Part Number		Size	D's	mm
01025	BSP - GAS	1/8-28	2.5D	0.3125
01042	BSP - GAS	1/4-19	1D	0.25
01043	BSP - GAS	1/4-19	1.5D	0.375
01044	BSP - GAS	1/4-19	2D	0.5
01045	BSP - GAS	1/4-19	2.5D	0.625
01062	BSP - GAS	3/8-19	1D	0.375
01063	BSP - GAS	3/8-19	1.5D	0.563
01064	BSP - GAS	3/8-19	2D	0.75
01065	BSP - GAS	3/8-19	2.5D	0.9375
01082	BSP - GAS	1/2-14	1D	0.5
01083	BSP - GAS	1/2-14	1.5D	0.75
01084	BSP - GAS	1/2-14	2D	1
01102	BSP - GAS	5/8-14	1D	0.625
01103	BSP - GAS	5/8-14	1.5D	0.938
01104	BSP - GAS	5/8-14	2D	1.25
01122	BSP - GAS	3/4-14	1D	0.75
01123	BSP - GAS	3/4-14	1.5D	1.125
01124	BSP - GAS	3/4-14	2D	1.5
01162	BSP - GAS	1 -11	1D	1
01163	BSP - GAS	1 -11	1.5D	1.5
01164	BSP - GAS	1 -11	2D	2
NPT				
06023	NPT	1/8-27	1.5D	0.188
06043	NPT	1/4-18	1.5D	0.375
06063	NPT	3/8-18	1.5D	0.563
06083	NPT	1/2-14	1.5D	0.75
06123	NPT	3/4-14	1.5D	1.125
06163	NPT	1-11 1/2	1.5D	1.5
8 TPI UN				
06182	8 TPI UN	1 1/8-8	1D	1.125
06183	8 TPI UN	1 1/8-8	1.5D	1.688
06184	8 TPI UN	1 1/8-8	2D	2.25
06202	8 TPI UN	1 1/4-8	1D	1.25
06203	8 TPI UN	1 1/4-8	1.5D	1.875
06204	8 TPI UN	1 1/4-8	2D	2.5
06222	8 TPI UN	1 3/8-8	1D	1.375
06223	8 TPI UN	1 3/8-8	1.5D	2.063
06224	8 TPI UN	1 3/8-8	2D	2.75
06242	8 TPI UN	1 1/2-8	1D	1.5
06243	8 TPI UN	1 1/2-8	1.5D	2.25
06244	8 TPI UN	1 1/2-8	2D	3
06262	8 TPI UN	1 5/8-8	1D	1.625
06263	8 TPI UN	1 5/8-8	1.5D	2.438
06264	8 TPI UN	1 5/8-8	2D	3.25
06282	8 TPI UN	1 3/4-8	1D	1.75
06283	8 TPI UN	1 3/4-8	1.5D	2.625
06284	8 TPI UN	1 3/4-8	2D	3.5
06302	8 TPI UN	1 7/8-8	1D	1.875



INSTALLED LENGTH				
Part Number		Size	D's	mm
06303	8 TPI UN	1 7/8-8	1.5D	2.813
06304	8 TPI UN	1 7/8-8	2D	3.75
06322	8 TPI UN	2-8	1D	2
06323	8 TPI UN	2-8	1.5D	3
06324	8 TPI UN	2-8	2D	4
06363	8 TPI UN	2 1/4-8	1.5D	3.375
06403	8 TPI UN	2 1/2-8	1.5D	2.5
BA				
00522	BA	2BA	1D	0.185
00523	BA	2BA	1.5D	0.278
00524	BA	2BA	2.5D	0.463
00525	BA	2BA	2D	0.37
00526	BA	2BA	3D	0.555
00542	BA	4BA	1D	0.142
00543	BA	4BA	1.5D	0.213
00544	BA	4BA	2D	0.284
00545	BA	4BA	2.5D	0.355
00546	BA	4BA	3D	0.426
UNC LEFT HAND THREAD				
03043LH	UNC LEFT HAND THREAD	1/4-20	1.5D	0.375
03053LH	UNC LEFT HAND THREAD	5/16-18	1.5D	0.468
03063LH	UNC LEFT HAND THREAD	3/8-16	1.5D	0.563
03073LH	UNC LEFT HAND THREAD	7/16-14	1.5D	0.657
03083LH	UNC LEFT HAND THREAD	1/2-13	1.5D	0.75
UNEF				
04042-24	UNEF	1/4-24	1D	0.25
04043-24	UNEF	1/4-24	1.5D	0.375
04042-32	UNEF	1/4-32	1D	0.25
04043-32	UNEF	1/4-32	1.5D	0.375
HARLEY				
04073-16	HARLEY	7/16-16		0.657
CUMMINS				
04110-16-1.25	CUMMINS	11/16-16		1.25
CARBY				
04140-20-.330	CARBY	7/8-20		0.33
04160-20-.325	CARBY	1-20		0.325