



# SO GIANT OIL SEAL INDUSTRIAL CO., LTD.

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## DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
4*10*4	115061						4	10	4
4*11*6	114032						4	11	6
4*12*6	110626						4	12	6
4*16*4	113512						4	16	4
4*16*6		111294					4	16	6
4*16*7	110233						4	16	7
4.5*15*7		103355					4.5	15	7
4.5*16*7		100422					4.5	16	7
5*12*5	108473						5	12	5
5*13*7	100791						5	13	7
5*15*4	103640						5	15	4
5*15*5	106058	109549					5	15	5
5*15*6	105263	102940					5	15	6
5*15*7		102435					5	15	7
5*16*5		110867					5	16	5
5*16*6	105712	110958					5	16	6
5*16*7	101409	109192					5	16	7
5*17*7		100205					5	17	7
5*17*8		116287					5	17	8
5*18*6		108452					5	18	6
5*18*7	101599	100206					5	18	7
5*19*5		106369					5	19	5
5*19*6	115145						5	19	6
5*19*7		103793					5	19	7
5*22*7		108110					5	22	7
5*22*8	116449						5	22	8
6*12*4	100581						6	12	4
6*12*4.5	109580						6	12	4.5
6*12*5		116308					6	12	5
6*12*5.5	109216						6	12	5.5
6*13*4.5	108777						6	13	4.5
6*13*5				115565		195565	6	13	5
6*14*4			109985		199985		6	14	4
6*14*6	114818						6	14	6
6*14.1*4	112840						6	14.1	4
6*15*4	116169						6	15	4
6*15*6	108597						6	15	6
6*15*7		106605					6	15	7
6*16*5	105096	100360					6	16	5
6*16*6	102138	112843					6	16	6

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
6*16*7	100738	102436	111168		191168		6	16	7
6*17*6	109847						6	17	6
6*17*7		109717					6	17	7
6*18*5	111094						6	18	5
6*18*6	111395	112159					6	18	6
6*18*7	109324	100588					6	18	7
6*19*5	109463						6	19	5
6*19*6	100660						6	19	6
6*19*7	106798	100424					6	19	7
6*20*5.5		109455					6	20	5.5
6*20*6	380001	105280					6	20	6
6*20*7		106322					6	20	7
6*20.5*7	113082						6	20.5	7
6*21*7	105229						6	21	7
6*22*7	101874	100425					6	22	7
6*22*8		108783					6	22	8
6*25*6	110039						6	25	6
6*35*7		111881					6	35	7
6.35*12.7*6.35	109869						6.35	12.7	6.35
6.35*15.87*4.76	102220						6.35	15.87	4.76
6.35*15.88*3.96	109400						6.35	15.88	3.96
6.35*15.88*6.35		111230					6.35	15.88	6.35
6.35*19.05*6.35	104624	107712					6.35	19.05	6.35
6.5*14.5*7		113293					6.5	14.5	7
6.8*22*7		115601					6.8	22	7
7*14*5	101879						7	14	5
7*15*5	107463	113060					7	15	5
7*15*7		110797					7	15	7
7*16*7	101185	101739	106948				7	16	7
7*17*7		105057					7	17	7
7*18*4		109053					7	18	4
7*18*4.5	111631						7	18	4.5
7*18*7	106949	109595					7	18	7
7*19*6	109198						7	19	6
7*19*7		110533					7	19	7
7*20*7		115698					7	20	7
7*22*7	100364	107143					7	22	7
7*22*8		106606					7	22	8
7*24*8	114666						7	24	8
7*29*7		111500					7	29	7
7*31*7		113884					7	31	7
7.93*17.46*7.93	102061						7.93	17.46	7.93
7.93*22.22*6.35	106937	101702					7.93	22.22	6.35
7.95*14.3*6.35			112720		192720		7.95	14.3	6.35
7.95*15.88*6.35				100512			7.95	15.88	6.35
7.95*17.48*6.35		112520					7.95	17.48	6.35

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
7.95*19.05*5.94	103454						7.95	19.05	5.94
7.95*19.05*6.35	111224	103627		115919		195919	7.95	19.05	6.35
7.95*19.05*7.95	112559						7.95	19.05	7.95
7.95*20.65*3.96	114724						7.95	20.65	3.96
7.95*23.82*5.59		101680					7.95	23.82	5.59
8*14*4	101621		114184				8	14	4
8*14*5		111049					8	14	5
8*14*7		115324					8	14	7
8*15*4	100552						8	15	4
8*15*5	401193	112821					8	15	5
8*15*7	108933	115794					8	15	7
8*15*8	113550						8	15	8
8*16*4	113826						8	16	4
8*16*5	107916	115472	105208				8	16	5
8*16*6	380215	111469					8	16	6
8*16*6.5	116187	105852					8	16	6.5
8*16*7	101768	104645	110090	111515		191515	8	16	7
8*16*8	109579	111211					8	16	8
8*17*4.5	104261						8	17	4.5
8*17*5		109049					8	17	5
8*17*7		108754					8	17	7
8*17.5*7		100464					8	17.5	7
8*18*5	102872	105090					8	18	5
8*18*6	105713	110061					8	18	6
8*18*7	103317	104259					8	18	7
8*18*8		110322					8	18	8
8*19*6	111636						8	19	6
8*19*6.5	103409						8	19	6.5
8*19*7		106789					8	19	7
8*20*5		106702					8	20	5
8*20*7	102588	102683					8	20	7
8*20*8	103970	111711					8	20	8
8*21*6		106908					8	21	6
8*21.3*6.7		432068					8	21.3	6.7
8*22*4	112369						8	22	4
8*22*6	380256	106744					8	22	6
8*22*7	106427	102711	102305				8	22	7
8*22*8	109477	104981	101410				8	22	8
8*23*5		110023					8	23	5
8*23*7		116193					8	23	7
8*24*7	105714	108868	105957				8	24	7
8*25*7		106804					8	25	7
8*25*8		108425					8	25	8
8*26*6	108392						8	26	6
8*26*7		109509					8	26	7
8*28*5	109474						8	28	5

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
8*28*7		112307					8	28	7
8*30*7	102166						8	30	7
8*34*7		111443					8	34	7
8*34*8		108835					8	34	8
8.5*18*7	109575						8.5	18	7
9*16*4	101622						9	16	4
9*16*5	108467						9	16	5
9*16*6.5		114594					9	16	6.5
9*17*4			112162		192162		9	17	4
9*17*4.5			112498		192498		9	17	4.5
9*17*5		113706					9	17	5
9*18*5		114358					9	18	5
9*18*6	108729						9	18	6
9*18*7	105278	104163					9	18	7
9*19*4	101755						9	19	4
9*19*5	113834	102589					9	19	5
9*19*6		102647					9	19	6
9*19*7				110462		190462	9	19	7
9*20*6	106745						9	20	6
9*20*7		105042					9	20	7
9*22*7	101787	108896					9	22	7
9*23*7		116198					9	23	7
9*24*7	105715	111586					9	24	7
9*25*7		110651					9	25	7
9*25*8	107611						9	25	8
9*26*7	105993	110915					9	26	7
9*26*8		111712					9	26	8
9*29*7		111833					9	29	7
9*30*7		114133					9	30	7
9.15*16.2*4	112387						9.15	16.2	4
9.53*19.05*4.78	109330						9.53	19.05	4.78
9.53*19.05*6.35	108279		110320	112055	190320	192055	9.53	19.05	6.35
9.53*20.65*9.53		114956					9.53	20.65	9.53
9.53*21.2*5			430726				9.53	21.2	5
9.53*22.23*6.35		101631					9.53	22.23	6.35
9.53*25.4*6.35	109025						9.53	25.4	6.35
9.53*25.4*9.35					197124		9.53	25.4	9.35
9.53*25.4*9.53			107124				9.53	25.4	9.53
9.53*31.75*7.95	109106						9.53	31.75	7.95
10*16*4	105339	113615					10	16	4
10*16*5	106125						10	16	5
10*16*6			107126		197126		10	16	6
10*17*4		112672					10	17	4
10*17*5		108794	104149	108492		198492	10	17	5
10*17*6	109175						10	17	6
10*17*7		110183					10	17	7

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
10*18*4	105746	108057		106710			10	18	4
10*18*5	106781	103578					10	18	5
10*18*6	105091	108974					10	18	6
10*18*7		109052					10	18	7
10*18*8		105161					10	18	8
10*18*9	111406						10	18	9
10*19*3.5	110920						10	19	3.5
10*19*4	108955						10	19	4
10*19*6	107765						10	19	6
10*19*7	100538	101635	103384				10	19	7
10*19*8	113802						10	19	8
10*20*4	111975	114414	116174		196174		10	20	4
10*20*4.5	109308						10	20	4.5
10*20*5		106313					10	20	5
10*20*6	105041	102150					10	20	6
10*20*7	106195	115385					10	20	7
10*20*8	112817						10	20	8
10*20*9		109671					10	20	9
10*20*9.5		109974					10	20	9.5
10*21*4		109903					10	21	4
10*21*5	107559	103424					10	21	5
10*21*7		113298					10	21	7
10*21*10		113509					10	21	10
10*22*4	107153	111416					10	22	4
10*22*5		110225					10	22	5
10*22*6	103304	109386					10	22	6
10*22*7	103332	100084		111047		191047	10	22	7
10*22*8	103383	109630	101411				10	22	8
10*22*10	113691						10	22	10
10*23*7		109894					10	23	7
10*23*8		110725					10	23	8
10*23.5*7		110947					10	23.5	7
10*23.5*10		115216					10	23.5	10
10*24*4		113049					10	24	4
10*24*5		115822					10	24	5
10*24*6		109054					10	24	6
10*24*7	105092	100866	114272		194272		10	24	7
10*24*8		113048					10	24	8
10*24*10	109381						10	24	10
10*25*4.5		109208					10	25	4.5
10*25*5		110361					10	25	5
10*25*6	101662	112364					10	25	6
10*25*7		102712					10	25	7
10*25*8	104169	103746					10	25	8
10*25*10		111840					10	25	10
10*26*5	114889	116223					10	26	5

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
10*26*5.5	109682						10	26	5.5
10*26*7	101545	100589	113209		193209		10	26	7
10*26*8		110069					10	26	8
10*27*7		114916					10	27	7
10*28*7	101600	101727					10	28	7
10*28*8	109138	110034					10	28	8
10*28.5*8		111293					10	28.5	8
10*30*4		110995					10	30	4
10*30*7	103978	100591					10	30	7
10*30*8	101238	109889					10	30	8
10*30*10	104676	107479	112612		192612		10	30	10
10*32*7	110583	111782					10	32	7
10*35*8	112280						10	35	8
10*35*10		109975					10	35	10
10*40*7		110450					10	40	7
10*44*8.5	113989						10	44	8.5
11*17*4	110847	100423					11	17	4
11*17*5		100690		107688		197688	11	17	5
11*18*4	108558	111174					11	18	4
11*19*5		111281					11	19	5
11*19*6		108212					11	19	6
11*19*7	116048	115847					11	19	7
11*21*7		110451					11	21	7
11*21*8		109583					11	21	8
11*22*6		105605					11	22	6
11*22*7	100078	100426					11	22	7
11*22*8		106184					11	22	8
11*23*7		111152					11	23	7
11*23*8	109670						11	23	8
11*24*7		103376					11	24	7
11*25*7	115002	102713					11	25	7
11*25*8		113646					11	25	8
11*26*6	107766						11	26	6
11*26*7	105989	103133					11	26	7
11*28*7		110537					11	28	7
11*29*7		110284					11	29	7
11*30*5		112320					11	30	5
11*30*7		401202					11	30	7
11*30*8	110184						11	30	8
11*30*10	106052	102965					11	30	10
11*35*7	113055						11	35	7
11.11*25.4*6.35	380147	102080					11.11	25.4	6.35
11.13*22.23*6.35		109030		102855			11.13	22.23	6.35
11.13*25.4*9.53	113044		112633		192633		11.13	25.4	9.53
11.13*28.58*6.35			100287				11.13	28.58	6.35
11.13*28.58*9.53	110021						11.13	28.58	9.53

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
11.13*31.75*6.35		114922					11.13	31.75	6.35
11.13*31.75*7.95	101502						11.13	31.75	7.95
11.5*24*10	115018						11.5	24	10
11.6*24*10	116103	111541					11.6	24	10
11.91*25.4*7.95			115570		195570		11.91	25.4	7.95
12*18*4	109896		116114				12	18	4
12*18*4.5	104305	113214		113451		193451	12	18	4.5
12*18*5	116229	109484					12	18	5
12*18*6			100623				12	18	6
12*19*4	106035						12	19	4
12*19*5	102108	100914	110325				12	19	5
12*19*7		110195					12	19	7
12*20*4	110277	106816					12	20	4
12*20*4.5			112386		192386		12	20	4.5
12*20*5	104835	103509	100345	106082			12	20	5
12*20*5.5		116252		110374		190374	12	20	5.5
12*20*6		106985					12	20	6
12*20*7		102747					12	20	7
12*21*4		107850					12	21	4
12*21*5		106790		113793		193793	12	21	5
12*21*7	105123	108245		102018		192018	12	21	7
12*21.3*6.7		432069					12	21.3	6.7
12*22*4	104210	107654	112033		192033		12	22	4
12*22*4.5	106738	112970					12	22	4.5
12*22*5	106435	103481					12	22	5
12*22*6	107767	108748					12	22	6
12*22*6.5	101863	111573					12	22	6.5
12*22*7	102663	105298	100498	112365		192365	12	22	7
12*22*8	106569	108990					12	22	8
12*22*9		108293					12	22	9
12*22.5*7		115217					12	22.5	7
12*23*7		109620					12	23	7
12*23*8		109310					12	23	8
12*23*9	105619						12	23	9
12*23.5*7		113353					12	23.5	7
12*23.5*8		115218					12	23.5	8
12*24*4	116386						12	24	4
12*24*4.5	102941	111296					12	24	4.5
12*24*5	108964	113040					12	24	5
12*24*6	107769	108294					12	24	6
12*24*6.5	106170						12	24	6.5
12*24*7	102169	100344	102881				12	24	7
12*24*7.5	116490						12	24	7.5
12*24*8	109547	112509					12	24	8
12*24*10	107725						12	24	10
12*25*4	112538						12	25	4

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
12*25*4.5	108937	109201					12	25	4.5
12*25*5	113661	103809	110324		190324		12	25	5
12*25*6		105784	106567				12	25	6
12*25*7	101818	102648					12	25	7
12*25*8	111524	106607					12	25	8
12*25*10		108786					12	25	10
12*25.5*7		105341					12	25.5	7
12*26*5		113041					12	26	5
12*26*6	109355						12	26	6
12*26*7	103882	100590		113348		193348	12	26	7
12*26*8	104861	108507					12	26	8
12*26.5*4.6	111291						12	26.5	4.6
12*27*5	107330						12	27	5
12*27*7		115312					12	27	7
12*27*8		115313					12	27	8
12*27*9		110464					12	27	9
12*28*4		113570					12	28	4
12*28*5	116139	111214					12	28	5
12*28*6		109846					12	28	6
12*28*7	102481	107132	104993	109695		199695	12	28	7
12*28*8	113809	108302					12	28	8
12*28*10		113660					12	28	10
12*28.5*7		109461					12	28.5	7
12*30*5	103954		112138		192138		12	30	5
12*30*6		106223					12	30	6
12*30*7	102911	100428	110503	111823	190503	191823	12	30	7
12*30*8		100994					12	30	8
12*30*9		110346					12	30	9
12*30*10	380193	106608					12	30	10
12*32*5	107236	109883	101509				12	32	5
12*32*6	109444						12	32	6
12*32*7	103333	102224	110821	112736	190821	192736	12	32	7
12*32*8		112977					12	32	8
12*32*10	108340	109375					12	32	10
12*34*7		106262					12	34	7
12*35*4.3	102677						12	35	4.3
12*35*5	110134	111449					12	35	5
12*35*7	107169	100691					12	35	7
12*35*10	109510						12	35	10
12*37*7		109745					12	37	7
12*37*10	105952	109391					12	37	10
12*40*10		108707					12	40	10
12*42*8		113621					12	42	8
12*45*7	105102						12	45	7
12*47*7	115063						12	47	7
12.5*20*5	109108						12.5	20	5

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
12.5*22*4.5	108962						12.5	22	4.5
12.5*25*8		109423					12.5	25	8
12.5*28.6*7.9	430290						12.5	28.6	7.9
12.7*19.05*3.18			112102				12.7	19.05	3.18
12.7*19.05*6.35		115533					12.7	19.05	6.35
12.7*21.92*4.78	105361						12.7	21.92	4.78
12.7*22.23*3.18			105760				12.7	22.23	3.18
12.7*22.23*4.78			107895				12.7	22.23	4.78
12.7*22.23*6.35	108187		102698	410340			12.7	22.23	6.35
12.7*22.23*7.95	107536						12.7	22.23	7.95
12.7*25.07*6.35			101558				12.7	25.07	6.35
12.7*25.4*3.18	112929						12.7	25.4	3.18
12.7*25.4*4.78	108773	114620					12.7	25.4	4.78
12.7*25.4*6.35	115648	401060	101559	103554	197572		12.7	25.4	6.35
12.7*25.4*7.93	102111	101412					12.7	25.4	7.93
12.7*25.4*9.52			106969				12.7	25.4	9.52
12.7*25.4*9.53	109010						12.7	25.4	9.53
12.7*26*6	102395						12.7	26	6
12.7*26.98*6.35				115599		195599	12.7	26.98	6.35
12.7*28.58*4.78			100801				12.7	28.58	4.78
12.7*28.58*6.35		105172	100968	111116		191116	12.7	28.58	6.35
12.7*28.58*7.95	108061	109379					12.7	28.58	7.95
12.7*28.58*9.53	109558						12.7	28.58	9.53
12.7*31.75*6.35	101413	114810					12.7	31.75	6.35
12.7*31.75*7.95	108761						12.7	31.75	7.95
12.7*32*7	104308						12.7	32	7
12.7*34.92*6.35		108922	102369				12.7	34.92	6.35
12.7*34.92*9.53	111288			112317		192317	12.7	34.92	9.53
13*19*4		111297					13	19	4
13*20*4			111690	115094	191690	195094	13	20	4
13*20*5		108557					13	20	5
13*20*7		103204					13	20	7
13*21*4			112177		192177		13	21	4
13*22*4		105628					13	22	4
13*22*5	107314	104927	116227	104357	196227		13	22	5
13*22*5.5		116572		112276		192276	13	22	5.5
13*22*6	109347	113945					13	22	6
13*22*7		113811					13	22	7
13*23*7		110274					13	23	7
13*24*5	110287						13	24	5
13*24*6	108037						13	24	6
13*24*7	108513	113299					13	24	7
13*25*4	109592						13	25	4
13*25*5	108248	110701					13	25	5
13*25*6	115633						13	25	6
13*25*7		106452		105542			13	25	7

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
13*26*5	108153	113042					13	26	5
13*26*7		100119					13	26	7
13*26*8		110125					13	26	8
13*26*9		102842					13	26	9
13*27*7		112234					13	27	7
13*27*8		103794					13	27	8
13*28*5		113021					13	28	5
13*28*7	101549	101130					13	28	7
13*30*5	109586						13	30	5
13*30*7		110066					13	30	7
13*30*8		106196					13	30	8
13*30*10	109123	109986					13	30	10
13*32*6	109029						13	32	6
13*32*7	108951						13	32	7
13*35*7		104179					13	35	7
13*35*10	105716						13	35	10
13.44*25.4*9.65			100835				13.44	25.4	9.65
13.49*27*7.95				109325		199325	13.49	27	7.95
13.7*24*5	114073						13.7	24	5
14*20*4	105827			110778			14	20	4
14*20*5	107398	116465	114382				14	20	5
14*20*7		113300					14	20	7
14*21*4		114120					14	21	4
14*21*7		113301					14	21	7
14*22*4	100764	106465					14	22	4
14*22*5		101074	111593		191593		14	22	5
14*22*6		109850					14	22	6
14*22*7	380153	102981					14	22	7
14*23*6		108685					14	23	6
14*23*7		113302					14	23	7
14*24*4		106817					14	24	4
14*24*5	111596	108196					14	24	5
14*24*6	116052	108535	102813	111970		191970	14	24	6
14*24*7	100923	103003	100645	102025			14	24	7
14*24*8	116053	110036					14	24	8
14*25*4		110875					14	25	4
14*25*5	380265	105614					14	25	5
14*25*6	109170						14	25	6
14*25*7		100085		111851			14	25	7
14*25*8	109780	110441					14	25	8
14*25*9		111414					14	25	9
14*26*5	110012						14	26	5
14*26*6		107553					14	26	6
14*26*7	380223	102645		111337		191337	14	26	7
14*26*8		109720					14	26	8
14*26*8.5		110022					14	26	8.5

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
14*27*6	109439						14	27	6
14*27*7		106609					14	27	7
14*27*10		111706					14	27	10
14*28*4		113569					14	28	4
14*28*5		114858					14	28	5
14*28*7	100503	100209	110699	106169	190699	196169	14	28	7
14*28*8		109650					14	28	8
14*28*10	113960						14	28	10
14*29*7		110733					14	29	7
14*30*4.5	114996						14	30	4.5
14*30*5		113404					14	30	5
14*30*6	109189	111784					14	30	6
14*30*7	102515	102714	113284		193284		14	30	7
14*30*8		102871	101414				14	30	8
14*30*10		109284		113189		193189	14	30	10
14*32*5	108545						14	32	5
14*32*7		104756	110142		190142		14	32	7
14*32*9	112891						14	32	9
14*32*10	101190	110469					14	32	10
14*34*7	110665						14	34	7
14*35*4.5		109771					14	35	4.5
14*35*7	101934	100385					14	35	7
14*35*8		111471					14	35	8
14*35*10	380108	100888	106190				14	35	10
14*36*7		106818					14	36	7
14*40*7		108209					14	40	7
14*40*10		110753					14	40	10
14.25*25.27*5.33		103668					14.25	25.27	5.33
14.28*25.4*6.35	101324						14.28	25.4	6.35
14.29*34.92*6.35		115102					14.29	34.92	6.35
14.3*22.23*4.78		115754					14.3	22.23	4.78
14.3*25.4*4.78		113716					14.3	25.4	4.78
14.3*25.4*6.35		106026	103369		193369		14.3	25.4	6.35
14.3*25.4*9.53			102490		192490		14.3	25.4	9.53
14.3*27*4.78			112620		192620		14.3	27	4.78
14.3*28.58*6.35		104783	113720		193720		14.3	28.58	6.35
14.3*28.58*7.95				107801		197801	14.3	28.58	7.95
14.3*28.58*9.53	110881		113959	410164	193959		14.3	28.58	9.53
14.3*31.75*6.35				108914		198914	14.3	31.75	6.35
14.3*31.75*9.53				111187		191187	14.3	31.75	9.53
14.3*34.92*6.35	109396			113442		193442	14.3	34.92	6.35
14.3*34.93*9.53				114276		194276	14.3	34.93	9.53
14.8*30*5		106285					14.8	30	5
14.8*30*7.5		110775					14.8	30	7.5
14.8*30*10		110774					14.8	30	10
15*21*4	111033	111341					15	21	4

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
15*21*5	105857						15	21	5
15*21*7		111430					15	21	7
15*22*4		110979					15	22	4
15*22*5		103205		108612		198612	15	22	5
15*22*7		106323					15	22	7
15*23*4	106586						15	23	4
15*23*5	107121						15	23	5
15*23*7		110119					15	23	7
15*23.3*6	114185						15	23.3	6
15*24*4	105093	110938		112713			15	24	4
15*24*4.5		109577					15	24	4.5
15*24*4.75	102874						15	24	4.75
15*24*5	101194	101860					15	24	5
15*24*6		108100					15	24	6
15*24*7	101563	100207	101991				15	24	7
15*24*10		106128					15	24	10
15*25*4.6	111367						15	25	4.6
15*25*5	102205	103753	113307		193307		15	25	5
15*25*6		105839	109322		199322		15	25	6
15*25*7		104127	111454	103731	191454		15	25	7
15*25*10	113567		112782		192782		15	25	10
15*25.5*4.6	103114						15	25.5	4.6
15*25.5*7		108290					15	25.5	7
15*26*4	109406	113498					15	26	4
15*26*4.5		106263					15	26	4.5
15*26*5		110553					15	26	5
15*26*6	380066	107284					15	26	6
15*26*7	100571	100943	100266	102526			15	26	7
15*26*8		107087					15	26	8
15*26*9		101847		101921			15	26	9
15*26.5*4.6	108940						15	26.5	4.6
15*27*5		116002					15	27	5
15*27*7	105943	103393					15	27	7
15*28*4	107832	116075					15	28	4
15*28*5	108237	111388					15	28	5
15*28*5.5		114170					15	28	5.5
15*28*6		102597					15	28	6
15*28*7	102227	100210		107689		197689	15	28	7
15*28*8	101376	105888					15	28	8
15*28*10		110695					15	28	10
15*29*7		100479					15	29	7
15*29.6*4				104358			15	29.6	4
15*30*4.5	103887	104243					15	30	4.5
15*30*5	107041	102808					15	30	5
15*30*5.5	107905			109712			15	30	5.5
15*30*6	380002	105443					15	30	6

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
15*30*7	101239	102619	101032	104208			15	30	7
15*30*8		100676		105305			15	30	8
15*30*10	105696	100978	101281	100495	191281		15	30	10
15*30*12	380189	110960					15	30	12
15*31*7		110539					15	31	7
15*32*5	109563	110707					15	32	5
15*32*5.5	104657	109989					15	32	5.5
15*32*6		113376					15	32	6
15*32*7	101047	106530		105306			15	32	7
15*32*8		110365					15	32	8
15*32*9		106819					15	32	9
15*32*10		105889		115939		195939	15	32	10
15*33*6		113842					15	33	6
15*33*7	108304						15	33	7
15*33*10		107437					15	33	10
15*35*5	104720	111432					15	35	5
15*35*6	116209	108870					15	35	6
15*35*7	100661	102649	101111	104359			15	35	7
15*35*8	100768	108411					15	35	8
15*35*10		105467		100126			15	35	10
15*36*6	112136						15	36	6
15*36*7	105644	103579					15	36	7
15*37*6		103740					15	37	6
15*37*7		105524					15	37	7
15*37*10	108239						15	37	10
15*38*7		105162					15	38	7
15*40*7		108512					15	40	7
15*40*8		102004					15	40	8
15*40*10	440120	100455	101601				15	40	10
15*42*7	105375	105805					15	42	7
15*42*8		108762					15	42	8
15*42*10	101377	101610	112497		192497		15	42	10
15*47*7				111692		191692	15	47	7
15*48*8		110520					15	48	8
15*50*6		113987					15	50	6
15*50*7	109686						15	50	7
15.08*23.82*4.76	114368						15.08	23.82	4.76
15.09*28.58*9.53				108619		198619	15.09	28.58	9.53
15.09*35.18*7.95		103641					15.09	35.18	7.95
15.5*32*6				111448		191448	15.5	32	6
15.6*25.5*7		106210					15.6	25.5	7
15.7*25.5*4.6	109566						15.7	25.5	4.6
15.87*28.57*4.76			102401				15.87	28.57	4.76
15.87*28.57*9.52	102195						15.87	28.57	9.52
15.87*34.92*6.35	102172						15.87	34.92	6.35
15.88*23.83*4.78	109494	115097					15.88	23.83	4.78

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
15.88*25.38*6.35				430870			15.88	25.38	6.35
15.88*25.4*4.76	107668						15.88	25.4	4.76
15.88*25.4*4.78		108624	113719		193719		15.88	25.4	4.78
15.88*25.4*6.35	109292	112036	101033	100306			15.88	25.4	6.35
15.88*27*4.78			111240		191240		15.88	27	4.78
15.88*27*6.35			103615				15.88	27	6.35
15.88*28.45*3.96			112288		192288		15.88	28.45	3.96
15.88*28.58*4.78		115553		107953		197953	15.88	28.58	4.78
15.88*28.58*6.35	102386	103422	102492	110102		190102	15.88	28.58	6.35
15.88*28.58*7.93		108182					15.88	28.58	7.93
15.88*28.58*7.95			100308	113867		193867	15.88	28.58	7.95
15.88*28.58*9.53		112045		109227		199227	15.88	28.58	9.53
15.88*31.75*4.78			115489		195489		15.88	31.75	4.78
15.88*31.75*6.35	105953	108595		107539		197539	15.88	31.75	6.35
15.88*31.75*7.95	109145						15.88	31.75	7.95
15.88*31.75*9.53		109943		103657			15.88	31.75	9.53
15.88*33.35*6.35	108892	113305					15.88	33.35	6.35
15.88*34.92*6.35		108060	101006	101133			15.88	34.92	6.35
15.88*34.92*7.95	108755						15.88	34.92	7.95
15.88*34.92*9.53			110466	110611	190466	190611	15.88	34.92	9.53
15.88*34.93*9.53	116453						15.88	34.93	9.53
15.88*38.1*6.35		115274					15.88	38.1	6.35
15.88*38.1*7.95				114027		194027	15.88	38.1	7.95
15.88*38.1*9.53	110593						15.88	38.1	9.53
15.88*39.7*9.53				108662		198662	15.88	39.7	9.53
15.88*40*7.95				102907			15.88	40	7.95
15.88*41.28*6.35		114385					15.88	41.28	6.35
15.88*47.22*7.95	112372						15.88	47.22	7.95
16*22*4	116305	103833	103472				16	22	4
16*22*5	108070						16	22	5
16*22*7	109573	109483					16	22	7
16*22.63*4.37	111026						16	22.63	4.37
16*22.75*4.2	112287						16	22.75	4.2
16*23*4	113030						16	23	4
16*24*4	100802	111330		111977		191977	16	24	4
16*24*5	100920	107019		100487			16	24	5
16*24*6		105764	111119		191119		16	24	6
16*24*6.5		107315					16	24	6.5
16*24*7	103380	100086	105104				16	24	7
16*24*8	113056						16	24	8
16*25*5		108466					16	25	5
16*25*6		104244					16	25	6
16*25*7		100208					16	25	7
16*25*10		114712					16	25	10
16*26*4	106610						16	26	4
16*26*5	107780	115091					16	26	5

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
16*26*6	108292	109622					16	26	6
16*26*7	103188	102005	380222	109714		199714	16	26	7
16*26*8		100995					16	26	8
16*26*12		104617					16	26	12
16*27*7		107833					16	27	7
16*28*4		113968					16	28	4
16*28*6	108935						16	28	6
16*28*7	101321	113546		102420			16	28	7
16*28*8		105920					16	28	8
16*28.5*8		104922					16	28.5	8
16*28.58*7		100122					16	28.58	7
16*29*9.5	109242						16	29	9.5
16*29*10	107772						16	29	10
16*30*4.5	102173	104246					16	30	4.5
16*30*5	103283	110178					16	30	5
16*30*6		109130					16	30	6
16*30*7	108053	100733	107309	104826	197309		16	30	7
16*30*8	101240	109313	113371		193371		16	30	8
16*30*10		106611	103341	113200	193341	193200	16	30	10
16*32*6	109087						16	32	6
16*32*7	101985	104207	103321	112419		192419	16	32	7
16*32*8	108855	109811					16	32	8
16*32*9	114640						16	32	9
16*32*10	111561	109760	102912	111159	192912	191159	16	32	10
16*33*8	109141						16	33	8
16*33*11	111036						16	33	11
16*34*4		103513					16	34	4
16*34*7		115294					16	34	7
16*35*5	111231						16	35	5
16*35*6	109582						16	35	6
16*35*7	100492	101162	103263				16	35	7
16*35*8	109228						16	35	8
16*35*9		109394					16	35	9
16*35*10	103413	103629		114171			16	35	10
16*36*7		103288					16	36	7
16*37*6	111558						16	37	6
16*37*7		111643					16	37	7
16*38*7	103741	103834					16	38	7
16*38*8		109660					16	38	8
16*40*5	109739						16	40	5
16*40*7		103885	102236	108189		198189	16	40	7
16*40*8	109528						16	40	8
16*40*10		100128		111563		191563	16	40	10
16*42*6	111787						16	42	6
16*42*7		110366					16	42	7
16*47*7		108551					16	47	7

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
16*52*7			106360				16	52	7
16.66*27*6.35					195571		16.66	27	6.35
16.66*38.1*6.35	109405						16.66	38.1	6.35
16.66*40.01*6.35			115325		195325		16.66	40.01	6.35
16.66*40.08*6.35	101562						16.66	40.08	6.35
16.9*28*5	104928						16.9	28	5
17*24*5	380178	108398					17	24	5
17*24*7	106056	111079					17	24	7
17*25*4	100803	111433					17	25	4
17*25*5	110746						17	25	5
17*25*6		111434					17	25	6
17*25*7	380264	102989					17	25	7
17*25*8		109146					17	25	8
17*25*10		106129					17	25	10
17*26*4	112501						17	26	4
17*26*4.5		114875					17	26	4.5
17*26*5	102202						17	26	5
17*26*6	100742	110794					17	26	6
17*26*7	109274	111436					17	26	7
17*27*5		107931					17	27	5
17*27*6	110647	107156					17	27	6
17*27*6.35			115571				17	27	6.35
17*27*7	111228	100465					17	27	7
17*27*8		109205					17	27	8
17*27*10	105001	106820					17	27	10
17*28*4	114446						17	28	4
17*28*4.5	107560	116425					17	28	4.5
17*28*5	101550	107131					17	28	5
17*28*5.5		111873					17	28	5.5
17*28*6	103704	115853	110917	410217	190917		17	28	6
17*28*6.5		113369					17	28	6.5
17*28*7	101195	106951	103539	104866			17	28	7
17*28*8	105717	108647					17	28	8
17*28.58*7		100123					17	28.58	7
17*29*5	116104	102955					17	29	5
17*29*7		100211					17	29	7
17*29*8		105002					17	29	8
17*30*4		107494					17	30	4
17*30*5	110228	114746					17	30	5
17*30*6	115090	105444		110784		190784	17	30	6
17*30*7	101053	102536		100125			17	30	7
17*30*8	101241	105354	115955		195955		17	30	8
17*30*10		109217					17	30	10
17*31*7	101325	106779					17	31	7
17*32*4		113039					17	32	4
17*32*5	380271	106264					17	32	5

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
17*32*6		108803					17	32	6
17*32*7	103372	104272		107218			17	32	7
17*32*7.5		112216					17	32	7.5
17*32*8		105355		431416			17	32	8
17*32*10	109534	114359	101638		191638		17	32	10
17*33*7		104731		107372		197372	17	33	7
17*33*8	108345	109259					17	33	8
17*34*4	103847	103815	102174	108403		198403	17	34	4
17*34*7		106076					17	34	7
17*34*8				113285		193285	17	34	8
17*34.5*4		100087					17	34.5	4
17*35*5	108115	112819					17	35	5
17*35*6	116459	109882					17	35	6
17*35*7	100736	105654	101791				17	35	7
17*35*8	440127	102735	110846		190846		17	35	8
17*35*9		110386					17	35	9
17*35*10	105502	100485		111832		191832	17	35	10
17*36*7		108876					17	36	7
17*37*5		110896					17	37	5
17*37*7		106084		103118			17	37	7
17*37*8	113217						17	37	8
17*37*10	101075	101077		101076			17	37	10
17*38*7		103751					17	38	7
17*38*8	110160	112145					17	38	8
17*38*11	114456						17	38	11
17*39.9*5				104161			17	39.9	5
17*40*5		108943					17	40	5
17*40*6	108997	113020					17	40	6
17*40*6.35				433440			17	40	6.35
17*40*7	100792	101511		111252		191252	17	40	7
17*40*8	380206	104921					17	40	8
17*40*8.5	109269						17	40	8.5
17*40*9			186115				17	40	9
17*40*10		102625	106115		196115		17	40	10
17*42*5	112056						17	42	5
17*42*7		110126					17	42	7
17*42*8		113161					17	42	8
17*45*7		105108					17	45	7
17*46*6		112407					17	46	6
17*47*7	103307	101963	115371		195371		17	47	7
17*47*8		103886					17	47	8
17*47*10		101962					17	47	10
17*48*8		110948					17	48	8
17.07*28.58*6.35		108842					17.07	28.58	6.35
17.3*25.4*6	101884						17.3	25.4	6
17.4*30*7		106778					17.4	30	7

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
17.48*25.4*6.35		114633					17.48	25.4	6.35
17.48*28.58*6.35	102135	106036	104306				17.48	28.58	6.35
17.48*28.58*7.95		109430		115109			17.48	28.58	7.95
17.48*30.18*4.78		111827	109491				17.48	30.18	4.78
17.48*30.18*6.35	108351						17.48	30.18	6.35
17.48*31.75*6.35	107778	108976					17.48	31.75	6.35
17.48*34.92*6.35		115568					17.48	34.92	6.35
17.48*34.92*9.53	111817			113488		193488	17.48	34.92	9.53
17.48*38.1*6.35				109254		199254	17.48	38.1	6.35
17.48*38.1*9.53				113609		193609	17.48	38.1	9.53
17.48*41.28*6.35				111597		191597	17.48	41.28	6.35
17.5*32*7		401483					17.5	32	7
18*24*4	116298	107599	110478		190478		18	24	4
18*24*5	108969						18	24	5
18*24*6	107719						18	24	6
18*24*7		109487					18	24	7
18*25*4			115703	108752	195203		18	25	4
18*25*5		115645					18	25	5
18*25*6		111051	111127		191127		18	25	6
18*25*7	116325	108066					18	25	7
18*26*4.5		106288					18	26	4.5
18*26*6		108877					18	26	6
18*26*7	106514	108109					18	26	7
18*27*5	103387						18	27	5
18*27*7		109926					18	27	7
18*28*4	101740	111437					18	28	4
18*28*5	109467						18	28	5
18*28*6	106629	101602					18	28	6
18*28*7	101378	100454		110388		190388	18	28	7
18*28*7.5		112896					18	28	7.5
18*28*8	107773	109165					18	28	8
18*28*9		113870					18	28	9
18*29*5		109362					18	29	5
18*29*7		106083					18	29	7
18*30*5		100630					18	30	5
18*30*6		105781					18	30	6
18*30*7	100857	102650	101030		191030		18	30	7
18*30*8		105829		111681		191681	18	30	8
18*30*10		106559		105082			18	30	10
18*31*7		105342					18	31	7
18*32*4	102449						18	32	4
18*32*4.5	105773						18	32	4.5
18*32*5	112313	112972					18	32	5
18*32*6		106909					18	32	6
18*32*7	104293	102537	110111	431421		190111	18	32	7
18*32*8	116222	105890		107213			18	32	8

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
18*32*10		107834					18	32	10
18*33*8				107716		197716	18	33	8
18*34*7		110044		113072		193072	18	34	7
18*34*8		115815		116361		196361	18	34	8
18*35*5	108726						18	35	5
18*35*6	116094	108137					18	35	6
18*35*7	102315	100088		110575		190575	18	35	7
18*35*8	111232	106126	114418		194418		18	35	8
18*35*10	104139	104924	101415		191415		18	35	10
18*36*6		113224					18	36	6
18*36*7		108973					18	36	7
18*37*5	109133						18	37	5
18*37*6		105687					18	37	6
18*37*7		109468					18	37	7
18*37*8		107816					18	37	8
18*38*5	109661						18	38	5
18*38*6		113296					18	38	6
18*38*7		108593					18	38	7
18*38*9		111863					18	38	9
18*38*10		110383					18	38	10
18*40*7	107329	100213					18	40	7
18*40*10	101242	100214					18	40	10
18*42*7		106325					18	42	7
18*42*8	101582						18	42	8
18*43*8.5	108486						18	43	8.5
18*44*8	111686						18	44	8
18*45*8		114384					18	45	8
18*47*10		103956					18	47	10
18*52*8	114445	115370					18	52	8
18.26*28.58*6.35		108439					18.26	28.58	6.35
18.26*31.75*6.35				109668		199668	18.26	31.75	6.35
18.9*30*5	400639						18.9	30	5
19*25*6		110835					19	25	6
19*26*5.5	110175						19	26	5.5
19*27*5		108062					19	27	5
19*27*6	106515	103835	109633		199633		19	27	6
19*28*5	380316	116466					19	28	5
19*28*6		105960					19	28	6
19*28*7		100486					19	28	7
19*29*5	380276	107399					19	29	5
19*29*6		111052					19	29	6
19*29*6.5	111461						19	29	6.5
19*29*7		100124					19	29	7
19*30*4.5		105774					19	30	4.5
19*30*5	109398	116418					19	30	5
19*30*6		105143					19	30	6

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
19*30*6.5		107633					19	30	6.5
19*30*7	380314	111266	440063	113142		193142	19	30	7
19*30*8		106201					19	30	8
19*30*10	112659						19	30	10
19*31*6	102203						19	31	6
19*31*8		111487					19	31	8
19*32*5		108322					19	32	5
19*32*6		109628					19	32	6
19*32*7	107547	103348	106014				19	32	7
19*32*8		103737					19	32	8
19*32*10		106935					19	32	10
19*33*7		103936					19	33	7
19*33*8		109809					19	33	8
19*33.35*10		101636					19	33.35	10
19*34*6		109928					19	34	6
19*34*7		109931					19	34	7
19*34*8		106516					19	34	8
19*35*5		115166					19	35	5
19*35*6	108385						19	35	6
19*35*7	101583	100386					19	35	7
19*35*8		112400					19	35	8
19*35*10		106612					19	35	10
19*35*10.3				106358		196358	19	35	10.3
19*36*7	107926	108543					19	36	7
19*36*8	103171						19	36	8
19*37*7		102748					19	37	7
19*37*10	101326		101416				19	37	10
19*38*7		105294					19	38	7
19*38*8		115812					19	38	8
19*38*10		101637					19	38	10
19*39*7		104847					19	39	7
19*40*7		105386					19	40	7
19*40*8	108609						19	40	8
19*40*10	106023	107281					19	40	10
19*41*7		110254					19	41	7
19*41.5*8		101078					19	41.5	8
19*42*7	108128	111299					19	42	7
19*42*8		112392					19	42	8
19*42*10		112415					19	42	10
19*43*8	111234						19	43	8
19*47*7		100872					19	47	7
19*47*8		111419					19	47	8
19*47*10		100222					19	47	10
19*52*8		112959					19	52	8
19.05*25.4*3.18			102994				19.05	25.4	3.18
19.05*25.4*3.96			100616				19.05	25.4	3.96

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
19.05*25.4*4.78	109364						19.05	25.4	4.78
19.05*25.4*6.35		111611					19.05	25.4	6.35
19.05*28.58*4.78	108674		100583	100504			19.05	28.58	4.78
19.05*28.58*6.35		106613		103916			19.05	28.58	6.35
19.05*28.58*7.95		110561		100329			19.05	28.58	7.95
19.05*30.16*6.35	103318						19.05	30.16	6.35
19.05*30.18*3.18	113649						19.05	30.18	3.18
19.05*30.18*4.78	108336						19.05	30.18	4.78
19.05*30.18*6.35			108213		198213		19.05	30.18	6.35
19.05*31.75*4.78	108772		114297		194297		19.05	31.75	4.78
19.05*31.75*6.35	101007	104084	101135	105310			19.05	31.75	6.35
19.05*31.75*7.95	103911	108404		114236	380324	194236	19.05	31.75	7.95
19.05*31.75*9.53	108695			112191		192191	19.05	31.75	9.53
19.05*33.33*6.35	101514						19.05	33.33	6.35
19.05*33.33*7.93	107193						19.05	33.33	7.93
19.05*33.33*7.95		103808					19.05	33.33	7.95
19.05*33.35*6.35		104002					19.05	33.35	6.35
19.05*33.35*7.95	108766			108148		198148	19.05	33.35	7.95
19.05*33.73*6.35		114844					19.05	33.73	6.35
19.05*34.92*6.35				106966			19.05	34.92	6.35
19.05*34.92*7.95	110112			112531		192531	19.05	34.92	7.95
19.05*34.92*9.53				110942		190942	19.05	34.92	9.53
19.05*34.93*6.35		104784					19.05	34.93	6.35
19.05*34.93*9.53		104779					19.05	34.93	9.53
19.05*36.53*6.35			112229		192229		19.05	36.53	6.35
19.05*38.1*4.78		110496					19.05	38.1	4.78
19.05*38.1*6.35		104945	100297				19.05	38.1	6.35
19.05*38.1*7.95		109207					19.05	38.1	7.95
19.05*38.1*9.52	380102	101353					19.05	38.1	9.52
19.05*38.1*9.53						192015	19.05	38.1	9.53
19.05*40*6.35			103749				19.05	40	6.35
19.05*41.28*6.35	102182	114547	109701	108307	199701	198307	19.05	41.28	6.35
19.05*41.28*7.95	110058			101483		191483	19.05	41.28	7.95
19.05*41.28*9.53		104775					19.05	41.28	9.53
19.05*44.45*6.35		115038	100566	108256		198256	19.05	44.45	6.35
19.05*44.45*7.93	101663						19.05	44.45	7.93
19.05*47.63*6.35				109209		199209	19.05	47.63	6.35
19.3*30*4.7		113229					19.3	30	4.7
19.5*29*5	114367						19.5	29	5
19.5*33.35*10		103001					19.5	33.35	10
19.8*30*5		106211					19.8	30	5
19.8*30*6		114837					19.8	30	6
19.84*31.75*6.35	109243						19.84	31.75	6.35
19.84*34.92*6.35			114024				19.84	34.92	6.35
19.84*38.1*9.53						190334	19.84	38.1	9.53
19.84*44.6*8.33				103349			19.84	44.6	8.33

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
19.84*52.17*9.53		102642					19.84	52.17	9.53
20*26*4		107717	113339		193339		20	26	4
20*26*5		101373					20	26	5
20*26*5.6		110473					20	26	5.6
20*27*5	110843	111106					20	27	5
20*28*4	104327	105445		100121			20	28	4
20*28*4.5		111871					20	28	4.5
20*28*5	108421	110595					20	28	5
20*28*6	103411	104138		111685			20	28	6
20*28*7		104247	105958				20	28	7
20*28*8			114203		194203		20	28	8
20*28*10	101192						20	28	10
20*28.4*4	101819						20	28.4	4
20*29*7		105675					20	29	7
20*30*4	108542						20	30	4
20*30*4.5	106706	107127	115470		195470		20	30	4.5
20*30*4.7		111002					20	30	4.7
20*30*5	104251	105810	101737	104238			20	30	5
20*30*6	116492	106805		103594			20	30	6
20*30*7	100851	102651	100346	102978		192978	20	30	7
20*30*8	115880	106409					20	30	8
20*30*9		108368					20	30	9
20*30*10		105532		110070		190070	20	30	10
20*31*5		109722					20	31	5
20*31*6		114512					20	31	6
20*31*7		103930	101864	410197			20	31	7
20*31.75*5				100867			20	31.75	5
20*32*4				112712			20	32	4
20*32*5	106062	107348	107383		197383		20	32	5
20*32*6	101584	105359	113937		193937		20	32	6
20*32*7	100280	102715	115895	104976			20	32	7
20*32*8		109248		111131		191131	20	32	8
20*32*8.5			114972		194972		20	32	8.5
20*32*10		109973					20	32	10
20*32*12		110956					20	32	12
20*33*5		114221					20	33	5
20*33*7	106705	103150	106173				20	33	7
20*33*8	106066						20	33	8
20*33*9	101493						20	33	9
20*33*10	108190	112146	104209				20	33	10
20*34*4	109314						20	34	4
20*34*6		104870					20	34	6
20*34*7		104843					20	34	7
20*34*8		109190					20	34	8
20*35*4	112533						20	35	4
20*35*4.5				108723		198723	20	35	4.5

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
20*35*5	107331	106910					20	35	5
20*35*5.3		430866					20	35	5.3
20*35*5.5	108607	102610					20	35	5.5
20*35*6	116326	102942					20	35	6
20*35*7	100336	102652	104069	103342			20	35	7
20*35*8	380129	101207	102314	112366	192314	192366	20	35	8
20*35*10	105264	104844	101822	113188	191822	193188	20	35	10
20*35*12	109934	113155		113393			20	35	12
20*35*13		106821		115065		195065	20	35	13
20*36*5	110435						20	36	5
20*36*6	110710						20	36	6
20*36*7	103265	105376					20	36	7
20*36*8		107515					20	36	8
20*36*11		112630					20	36	11
20*37*6		109649		111971		191971	20	37	6
20*37*7	100804	103358	113308		193308		20	37	7
20*37*8		103728					20	37	8
20*37*10	108703	110043		111181		191181	20	37	10
20*38*5		105840					20	38	5
20*38*6	109515						20	38	6
20*38*7	380297	103394					20	38	7
20*38*8	106596	105891	114060		194060		20	38	8
20*38*9	111671						20	38	9
20*38*10	107238	105842					20	38	10
20*38*15		109003					20	38	15
20*39*4.5	380255	115272					20	39	4.5
20*39*6		111577					20	39	6
20*40*4	105178			108862		198862	20	40	4
20*40*5	110115						20	40	5
20*40*6		106482					20	40	6
20*40*7	100674	102653	102021	111197		191197	20	40	7
20*40*8	380268	104859					20	40	8
20*40*9		107420					20	40	9
20*40*10	101243	100089	101354	105961	191354		20	40	10
20*40*11	109280	110568					20	40	11
20*41*7		104128					20	41	7
20*41*8	110200						20	41	8
20*41*10				115273		195273	20	41	10
20*42*6	380246	104088					20	42	6
20*42*7	101048	103004		105314			20	42	7
20*42*8		108779					20	42	8
20*42*10	101515	100431	111105	111270	191105	191270	20	42	10
20*42*12		109971					20	42	12
20*43*7.5	102913						20	43	7.5
20*43*8		106130					20	43	8
20*44*7		110028					20	44	7

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
20*45*7		103814					20	45	7
20*45*8		105200					20	45	8
20*45*10	401219	103795		112728			20	45	10
20*46*6	109518						20	46	6
20*46*8		108071					20	46	8
20*47*5		108806					20	47	5
20*47*5.3		111945					20	47	5.3
20*47*7	100721	102718	105406	103738			20	47	7
20*47*8		401220					20	47	8
20*47*9		107845					20	47	9
20*47*10	104721	100223	101417	102139	191417	192139	20	47	10
20*47*12		110877					20	47	12
20*47.08*12.7		100387		101079			20	47.08	12.7
20*48*7		110817					20	48	7
20*48*9	108253						20	48	9
20*48*10		106614					20	48	10
20*50*7	111043						20	50	7
20*50*8		107531					20	50	8
20*50*10		110316					20	50	10
20*50*12		111343					20	50	12
20*52*5		111716					20	52	5
20*52*6	109419	112344					20	52	6
20*52*7	103345	100420		108265		198265	20	52	7
20*52*8		105841					20	52	8
20*52*9		102081					20	52	9
20*52*10	100341	100421					20	52	10
20*52*12	112766						20	52	12
20*54*7		110105					20	54	7
20*55*7		116274					20	55	7
20*55*10		109998		107937		197937	20	55	10
20*57*8	110479						20	57	8
20*58*7		115744					20	58	7
20*60*10	112268						20	60	10
20*60.4*7				106536			20	60.4	7
20*62*6		115748					20	62	6
20*62*6.5	106791						20	62	6.5
20*62*10		106273					20	62	10
20*64*5		116546					20	64	5
20*72*5	111614						20	72	5
20*72*10	101898						20	72	10
20.65*28.58*6.35			103449				20.65	28.58	6.35
20.65*30.18*6.35		111572					20.65	30.18	6.35
20.65*31.75*4.76			107592		197592		20.65	31.75	4.76
20.65*31.75*4.78		115685					20.65	31.75	4.78
20.65*33.73*8.74		103783					20.65	33.73	8.74
20.65*34.92*6.35		109068					20.65	34.92	6.35

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
20.65*34.92*7.95		116328					20.65	34.92	7.95
20.65*34.92*9.53			101137				20.65	34.92	9.53
20.65*34.93*12.7		100917					20.65	34.93	12.7
20.65*38.1*6.35	109226		114372		194372		20.65	38.1	6.35
20.65*41.28*6.35				112264		192264	20.65	41.28	6.35
20.65*44.45*4.78	109301						20.65	44.45	4.78
20.65*44.45*6.35				109805		199805	20.65	44.45	6.35
20.65*47.63*6.35		115169					20.65	47.63	6.35
21*28*4	105970						21	28	4
21*28*5				114937		194937	21	28	5
21*30*6.5	380232	114452	101923				21	30	6.5
21*31*5		109114					21	31	5
21*31*7		102843					21	31	7
21*32*5	109350	111922	112322		192322		21	32	5
21*32*5.5		105124					21	32	5.5
21*32*7		106939					21	32	7
21*32*8		111445					21	32	8
21*33*7		110370					21	33	7
21*35*4		113457					21	35	4
21*35*6	108608						21	35	6
21*35*7	107792	108035					21	35	7
21*35*8		103791					21	35	8
21*35*10	108236						21	35	10
21*35*13		114689					21	35	13
21*36*7	108719						21	36	7
21*37*7	108471	109605					21	37	7
21*40*5	111014						21	40	5
21*40*7		104096					21	40	7
21*40*10	380228	109900					21	40	10
21*42*7	107812						21	42	7
21*45*7		116178					21	45	7
21*47*10		109819					21	47	10
21*48*8	102530						21	48	8
21*52*8	109157						21	52	8
21.44*34.92*9.53		115511					21.44	34.92	9.53
22*28*4		115996	104092				22	28	4
22*28*8		113027					22	28	8
22*29*4		115092					22	29	4
22*30*4	116297	113147					22	30	4
22*30*5.5	108426						22	30	5.5
22*30*6	101735	110273					22	30	6
22*30*7	101184	103026	111048		191048		22	30	7
22*30*8		108701					22	30	8
22*31*5	107201	111331					22	31	5
22*31*6.5	114639						22	31	6.5
22*32*4	105855						22	32	4

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
22*32*4.5		114329					22	32	4.5
22*32*5		102656					22	32	5
22*32*5.5		107145		116058		196058	22	32	5.5
22*32*5.6	100118						22	32	5.6
22*32*6		106047	111418		191418		22	32	6
22*32*6.5	110002						22	32	6.5
22*32*7	100927	102678	102564	103240			22	32	7
22*32*8		106411					22	32	8
22*32*10	101418	116359	111156		191156		22	32	10
22*33*6		103937					22	33	6
22*33*6.5		110122					22	33	6.5
22*33*7		108337					22	33	7
22*33*10		110712					22	33	10
22*34*5	102412	113127					22	34	5
22*34*6		104140					22	34	6
22*34*6.5		107661					22	34	6.5
22*34*7		102250					22	34	7
22*34*8		107400					22	34	8
22*34*10		108878					22	34	10
22*35*5	116387	106753					22	35	5
22*35*5.5		100127					22	35	5.5
22*35*6	102095	104845					22	35	6
22*35*7	100921	102538	103712	109134		199134	22	35	7
22*35*8	106012	104019		410156			22	35	8
22*35*9		114206					22	35	9
22*35*10	101379	105468					22	35	10
22*35*13				105125			22	35	13
22*36*5		112402					22	36	5
22*36*6		106615					22	36	6
22*36*7		103630					22	36	7
22*36*8		108191		110173		190173	22	36	8
22*36*10		105873		410155			22	36	10
22*37*6	107616	111741					22	37	6
22*37*7	105461	106911					22	37	7
22*37*10		107401					22	37	10
22*38*5		110815					22	38	5
22*38*6		110328					22	38	6
22*38*7		102925					22	38	7
22*38*8		104257		115567		195567	22	38	8
22*38*10		105854					22	38	10
22*39*6		108887					22	39	6
22*39*8		115467					22	39	8
22*39*10		115165					22	39	10
22*40*5	114836	108848					22	40	5
22*40*7	101322	102943	101244	105228			22	40	7
22*40*8	104334	101573					22	40	8

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
22*40*10	100663	100430	101245		191245		22	40	10
22*40*12		108106					22	40	12
22*40*16		115198					22	40	16
22*41*6		111800					22	41	6
22*41.25*7		104646					22	41.25	7
22*42*5	111401						22	42	5
22*42*6		108384					22	42	6
22*42*7	107476	105109					22	42	7
22*42*8		106822					22	42	8
22*42*10		400544	105054	111329	195054	191329	22	42	10
22*42*11		111439					22	42	11
22*42*12		112808					22	42	12
22*42.5*8		113458					22	42.5	8
22*43*7		114917					22	43	7
22*43*8		111142					22	43	8
22*44*7		108437					22	44	7
22*44*11		113216					22	44	11
22*45*5		111147					22	45	5
22*45*7	102078	104613					22	45	7
22*45*8		105003	112140		192140		22	45	8
22*45*10	107819						22	45	10
22*45*11		116473					22	45	11
22*47*7	103880	102019					22	47	7
22*47*10		401378	102517	102249	192517		22	47	10
22*48*5		112373					22	48	5
22*48*7		101964					22	48	7
22*48*10	108891						22	48	10
22*50*4		115104					22	50	4
22*50*7		103514					22	50	7
22*50*8		115695					22	50	8
22*50*10		109852					22	50	10
22*52*7		113035					22	52	7
22*52*8		115054					22	52	8
22*52*10		104006					22	52	10
22*56*7		103515					22	56	7
22*56*10		103938					22	56	10
22*62*7	109625						22	62	7
22*62*12		113827					22	62	12
22.22*31.75*4.76	102631						22.22	31.75	4.76
22.22*35*10		103157					22.22	35	10
22.22*44.45*9.52	103547						22.22	44.45	9.52
22.23*30.18*3.96			115925		195925		22.23	30.18	3.96
22.23*31.75*4.78				108673		198673	22.23	31.75	4.78
22.23*31.75*6.35	108913	104776					22.23	31.75	6.35
22.23*31.75*9.53		111490					22.23	31.75	9.53
22.23*33.35*5.16	110511						22.23	33.35	5.16

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
22.23*33.35*6.35	114949			112032		192032	22.23	33.35	6.35
22.23*33.35*7.95				110017		190017	22.23	33.35	7.95
22.23*34.92*5.16			100356				22.23	34.92	5.16
22.23*34.92*6.35				108739		198739	22.23	34.92	6.35
22.23*34.92*7.95	109166						22.23	34.92	7.95
22.23*34.92*9.53		109096					22.23	34.92	9.53
22.23*34.93*6.35	110377	105785	116283		196283		22.23	34.93	6.35
22.23*34.93*7.95				116204		196204	22.23	34.93	7.95
22.23*35.15*9.53		103350					22.23	35.15	9.53
22.23*36.12*6.35			113000		193000		22.23	36.12	6.35
22.23*38.1*6.35		100409		110615		190615	22.23	38.1	6.35
22.23*38.1*7.95			101560	102208			22.23	38.1	7.95
22.23*38.1*9.53		104785		111158		191158	22.23	38.1	9.53
22.23*41.25*6.35				101138			22.23	41.25	6.35
22.23*41.28*7.95			110897		190897		22.23	41.28	7.95
22.23*41.28*9.53		104782					22.23	41.28	9.53
22.23*41.28*11.13			103979		193979		22.23	41.28	11.13
22.23*42.88*9.53		110558					22.23	42.88	9.53
22.23*44.45*9.53				112809		192809	22.23	44.45	9.53
22.23*46.43*6.35			110354		190354		22.23	46.43	6.35
22.23*47.63*6.35	109942			108728		198728	22.23	47.63	6.35
22.23*47.63*9.53		109762					22.23	47.63	9.53
22.23*47.68*6.35			110560		190560		22.23	47.68	6.35
22.23*50.8*6.35		115913	103987				22.23	50.8	6.35
22.23*50.8*9.53	380100	111640					22.23	50.8	9.53
22.23*52.4*11.13	112788						22.23	52.4	11.13
22.23*53.97*9.53				115196		195196	22.23	53.97	9.53
22.5*32*5	115898						22.5	32	5
22.7*47*7	110894						22.7	47	7
23*30*5		115468					23	30	5
23*32*5		109469	112272		192272		23	32	5
23*32*7		111305					23	32	7
23*33*8		113373					23	33	8
23*35*6		108740					23	35	6
23*35*7		108434					23	35	7
23*35*8				107943			23	35	8
23*36*6		108378					23	36	6
23*36*7		105411					23	36	7
23*36*13		112381					23	36	13
23*37*7	109641						23	37	7
23*38*7	400941	109267					23	38	7
23*38*8	104746						23	38	8
23*40*5		108909					23	40	5
23*40*6		101208					23	40	6
23*40*7		108738		102062			23	40	7
23*40*8	107755	107952					23	40	8

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
23*40*10		104771					23	40	10
23*42*6		109866					23	42	6
23*42*7		115780					23	42	7
23*42*8				108155		198155	23	42	8
23*42*10		107459	114188		194188		23	42	10
23*43*7		111053					23	43	7
23*45*8		107402					23	45	8
23*45*11		111978					23	45	11
23*47*7		103932					23	47	7
23*47*8		106298					23	47	8
23*47*10		102971					23	47	10
23*48*10		110020					23	48	10
23*52*10	107784						23	52	10
23*52*11		110683					23	52	11
23*55*7		115066					23	55	7
23.01*34.14*6.35	102197						23.01	34.14	6.35
23.81*44.45*9.52	103420						23.81	44.45	9.52
23.83*34.92*6.35		109129					23.83	34.92	6.35
23.83*34.93*6.35	107562						23.83	34.93	6.35
23.83*38.1*6.35		115547	107525	110106	197525	190106	23.83	38.1	6.35
23.83*38.1*9.53		103998					23.83	38.1	9.53
23.83*41.28*6.35		113004	111060		191060		23.83	41.28	6.35
23.83*41.28*7.95		113003		114014		194014	23.83	41.28	7.95
23.83*41.28*9.53				109810		199810	23.83	41.28	9.53
23.83*43.66*4.37	114065						23.83	43.66	4.37
23.83*44.45*6.35				115578		195578	23.83	44.45	6.35
23.83*44.45*9.53		115015					23.83	44.45	9.53
23.83*51.99*7.95		115082					23.83	51.99	7.95
24*32*4	116333	102810		112711			24	32	4
24*32*5	108413						24	32	5
24*32*7	107487	106722	105398	111319		191319	24	32	7
24*33*5	103608	111571					24	33	5
24*33*7		108664					24	33	7
24*34*5.5		106265					24	34	5.5
24*34*7	100972	101681					24	34	7
24*34.5*5	112186						24	34.5	5
24*35*5	112060			100212	199881		24	35	5
24*35*5.5		100755					24	35	5.5
24*35*6		104846					24	35	6
24*35*7	100578	104772	111134		191134		24	35	7
24*35*8		104047					24	35	8
24*35*8.5				115286		195286	24	35	8.5
24*36*5.5		104758					24	36	5.5
24*36*6	105718	114325		116563		196563	24	36	6
24*36*7		103621					24	36	7
24*36*8		104619					24	36	8

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
24*36*9				111405		191405	24	36	9
24*37*5	110196						24	37	5
24*37*7	102302	410216	106526				24	37	7
24*37*8.1		113676					24	37	8.1
24*38*5		113148					24	38	5
24*38*7		103742					24	38	7
24*38*8		101080					24	38	8
24*38*10		105004					24	38	10
24*38.5*10		105005					24	38.5	10
24*39*8	110643						24	39	8
24*40*6			114953		194953		24	40	6
24*40*7	102852	102716	102897				24	40	7
24*40*8		103206					24	40	8
24*40*10	105431	100868					24	40	10
24*40*12	110392						24	40	12
24*41*10		106823					24	41	10
24*42*7	400942	103580					24	42	7
24*42*8	380006	107520					24	42	8
24*42*10	380258	103769	101355	102615	191355	192615	24	42	10
24*43*6		110251					24	43	6
24*43*7		116059		109785		199785	24	43	7
24*43*8.5				107308			24	43	8.5
24*43*9		107785					24	43	9
24*44*6	111456						24	44	6
24*44*7	110776						24	44	7
24*45*5		105657					24	45	5
24*45*6		110098					24	45	6
24*45*7		106067					24	45	7
24*45*8		109139					24	45	8
24*45*10		112570		110639		190639	24	45	10
24*46*7		115296					24	46	7
24*46*10		103207					24	46	10
24*47*6	110514						24	47	6
24*47*7	105866	104574	116208		196208		24	47	7
24*47*8		106327					24	47	8
24*47*10	111562	100131					24	47	10
24*48*7		111345					24	48	7
24*48*8		108354					24	48	8
24*48*10	114334						24	48	10
24*49*12		100269					24	49	12
24*50*10	109074	110055					24	50	10
24*51*7		108858					24	51	7
24*52*7		103743					24	52	7
24*52*8		112305					24	52	8
24*52*10	108677	109012					24	52	10
24*52*11		111913					24	52	11

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
24*55*10		115342					24	55	10
24*62*7		100724					24	62	7
24*62*10		104263					24	62	10
24*78*8		112686					24	78	8
24.21*38.1*6.35			114311		194311		24.21	38.1	6.35
24.5*40*8.5	108659						24.5	40	8.5
24.59*52.02*9.53		103281					24.59	52.02	9.53
24.61*34.92*6.76			115067		195067		24.61	34.92	6.76
24.61*38.1*7.95		103038	113433		193433		24.61	38.1	7.95
24.61*41.28*7.95				111526		191526	24.61	41.28	7.95
24.61*42.88*7.95			116130	108139	196130		24.61	42.88	7.95
24.61*44.45*6.35				104040			24.61	44.45	6.35
24.61*52.17*9.53		105345					24.61	52.17	9.53
24.61*54.38*9.53				108173		198173	24.61	54.38	9.53
24.99*38.1*6.35				103980			24.99	38.1	6.35
24.99*44.45*5		103680					24.99	44.45	5
25*31*7				103425			25	31	7
25*32*4	107555	108638		112727			25	32	4
25*32*5		113349	110741	115563			25	32	5
25*32*6	105748	108408					25	32	6
25*32*7	104294	105837	101862	101041			25	32	7
25*33*4	116191	112511					25	33	4
25*33*5				112674			25	33	5
25*33*6	106104	113295					25	33	6
25*33*7	109704						25	33	7
25*34*5		100427	111009		191009		25	34	5
25*34*6				115737		195737	25	34	6
25*34*7		114121		113496		193496	25	34	7
25*35*4	110063	110940					25	35	4
25*35*5	103902	106806	102175				25	35	5
25*35*5.5		106391					25	35	5.5
25*35*6	105351	103759		103208			25	35	6
25*35*7	100240	100004	100837	104757			25	35	7
25*35*8		105850	101246	112306		192306	25	35	8
25*35*8.5	110384						25	35	8.5
25*35*9		110476		112673			25	35	9
25*35*10	107967	108355		104615			25	35	10
25*36*6		107518					25	36	6
25*36*7	105377	100389	110898		190898		25	36	7
25*36*8		101327					25	36	8
25*36*9		107815					25	36	9
25*36*10		106203					25	36	10
25*37*4				115404		195404	25	37	4
25*37*5	116038	107359		114688		194688	25	37	5
25*37*6	116051	100390					25	37	6
25*37*7	101227	102654		111502		191502	25	37	7

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
25*37*8		106199					25	37	8
25*37*10		109055					25	37	10
25*38*5		102533					25	38	5
25*38*6	107804	109150	110290		190290		25	38	6
25*38*7	101733	100001		103343			25	38	7
25*38*8		107403		107312		197312	25	38	8
25*38*10		101823					25	38	10
25*38.3*10	108328						25	38.3	10
25*39*7		110032					25	39	7
25*39*9	107793						25	39	9
25*40*5	102316	102188	101128				25	40	5
25*40*6	107006	106616		114560		194560	25	40	6
25*40*7	100756	102539	105387	400653			25	40	7
25*40*7.5		113677					25	40	7.5
25*40*8	101108	100045	105807	105207			25	40	8
25*40*9		105699					25	40	9
25*40*10	101042	100092	101247	105535	191247		25	40	10
25*40*11	113146						25	40	11
25*40*12		109902		105126		195126	25	40	12
25*41*6		108465					25	41	6
25*41*7		100456					25	41	7
25*41.1*6		104829					25	41.1	6
25*41.1*8		104830					25	41.1	8
25*41.25*6		111220					25	41.25	6
25*41.25*7		110302		113406			25	41.25	7
25*41.25*8		109451		105127			25	41.25	8
25*41.28*7		100466					25	41.28	7
25*41.5*6		100090					25	41.5	6
25*41.55*10		401229					25	41.55	10
25*42*5		113497					25	42	5
25*42*6	108718	110591	113643		193643		25	42	6
25*42*7	100561	103134	100677	112739		192739	25	42	7
25*42*8	103610	105006					25	42	8
25*42*8.5	102181						25	42	8.5
25*42*9	111845						25	42	9
25*42*10	100091	102953	101419	103158	191419		25	42	10
25*42*12		107625					25	42	12
25*42.6*6	110812						25	42.6	6
25*42.9*9.5		101082	103952	100391		190391	25	42.9	9.5
25*43*6		110754					25	43	6
25*43*7		112231					25	43	7
25*43*8		109188		111016		191016	25	43	8
25*43*9	108455	108663					25	43	9
25*43*10		111630					25	43	10
25*44*7		104258					25	44	7
25*44*8		101083					25	44	8

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
25*44.45*7		109219					25	44.45	7
25*44.45*10				100218			25	44.45	10
25*45*5	103293	106248	112664		192664		25	45	5
25*45*7	105944	105110					25	45	7
25*45*8		103768					25	45	8
25*45*9		111574					25	45	9
25*45*10	104800	104831	106389	100392	196389	190392	25	45	10
25*45*11		100780		110829		190829	25	45	11
25*46*7	105775	107058					25	46	7
25*46*8		114997					25	46	8
25*46*10		105941					25	46	10
25*46*15		112176					25	46	15
25*47*6	100291	100079					25	47	6
25*47*7	100862	100871	104126	101673			25	47	7
25*47*8	102348	106261	106436	110429		190429	25	47	8
25*47*8.7		115245					25	47	8.7
25*47*9			102407		192407		25	47	9
25*47*10	100969	110955	101248	103060	191248		25	47	10
25*48*7		102804					25	48	7
25*48*8	105640	108818					25	48	8
25*48*10		110649					25	48	10
25*49*9			114233		194233		25	49	9
25*49*10		101084					25	49	10
25*50*5		112473					25	50	5
25*50*7	107753	111346		111237		191237	25	50	7
25*50*8		105691					25	50	8
25*50*10		102661	102632		192632		25	50	10
25*50*12		106617	113823		193823		25	50	12
25*51*10		110571					25	51	10
25*51*11	116152						25	51	11
25*52*5	107917	108325					25	52	5
25*52*6	110802						25	52	6
25*52*7	100540	106174	103353	103061			25	52	7
25*52*8	104335	104582					25	52	8
25*52*9		109619	105664		195664		25	52	9
25*52*10	100281	102489	101249	100554	191249	190554	25	52	10
25*52*12	380312	108603	104750	109312		199312	25	52	12
25*52*15		106912					25	52	15
25*53*7		113064					25	53	7
25*53*10		109728					25	53	10
25*54*8		111286					25	54	8
25*55*7		113967					25	55	7
25*55*8		105081	107207		197207		25	55	8
25*55*9		109154					25	55	9
25*55*10		108047					25	55	10
25*55*11		112021					25	55	11

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
25*55*12		112897					25	55	12
25*58*10		107489					25	58	10
25*60*7	110082	110689					25	60	7
25*60*8		104180					25	60	8
25*60*10		106741					25	60	10
25*62*6	109420	112345					25	62	6
25*62*7	103419	105945		111402		191402	25	62	7
25*62*8	105867	105103					25	62	8
25*62*9		113278					25	62	9
25*62*10	100922	100146	101034		191034		25	62	10
25*62*12		111347	113941		193941		25	62	12
25*62*15				108226		198226	25	62	15
25*65*7	110783						25	65	7
25*65*10		112152					25	65	10
25*65*12		110385					25	65	12
25*68*8		111646					25	68	8
25*70*10		113942					25	70	10
25*70*17		107157					25	70	17
25*72*7	100005	108132					25	72	7
25*72*8		109775					25	72	8
25.4*31.75*6.35		111936					25.4	31.75	6.35
25.4*34.92*4.78		115144					25.4	34.92	4.78
25.4*34.92*6.35		109867					25.4	34.92	6.35
25.4*34.92*7.14				100354			25.4	34.92	7.14
25.4*34.93*6.35			103988				25.4	34.93	6.35
25.4*35*7		109223					25.4	35	7
25.4*36.53*6.35		108204	107789	108059	197789	198059	25.4	36.53	6.35
25.4*36.53*7.14				111982		191982	25.4	36.53	7.14
25.4*36.53*7.95				106633			25.4	36.53	7.95
25.4*38.1*4.78	112704						25.4	38.1	4.78
25.4*38.1*6.35		104038		103025			25.4	38.1	6.35
25.4*38.1*7.95	108828	113343		105174		195174	25.4	38.1	7.95
25.4*38.1*9.53		103997		107099		197099	25.4	38.1	9.53
25.4*38.1*9.93					410325		25.4	38.1	9.93
25.4*39.7*6.35				111115		191115	25.4	39.7	6.35
25.4*39.7*7.95	108830	115039					25.4	39.7	7.95
25.4*41.28*6.35		107903		105503			25.4	41.28	6.35
25.4*41.28*7.95	380141	105173					25.4	41.28	7.95
25.4*41.28*9.53	110100	111467		112338		192338	25.4	41.28	9.53
25.4*41.28*11.13				109493		199493	25.4	41.28	11.13
25.4*42.88*6.35			114934		194934		25.4	42.88	6.35
25.4*42.88*7.95				109756		199756	25.4	42.88	7.95
25.4*42.9*5	110708						25.4	42.9	5
25.4*44.45*4.78			102251				25.4	44.45	4.78
25.4*44.45*5.15	410001						25.4	44.45	5.15
25.4*44.45*5.16		100918					25.4	44.45	5.16

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
25.4*44.45*6.35	104042	104145	114483	108350	194483	198350	25.4	44.45	6.35
25.4*44.45*7.95		107440	114777		194777		25.4	44.45	7.95
25.4*44.45*9.52		410002		106552			25.4	44.45	9.52
25.4*44.45*11.13	108470		114944		194944		25.4	44.45	11.13
25.4*44.5*6.35				103024			25.4	44.5	6.35
25.4*46.05*7.95	112916						25.4	46.05	7.95
25.4*46.43*11.13				108665		198665	25.4	46.43	11.13
25.4*47.02*6.35			101140				25.4	47.02	6.35
25.4*47.62*6.35	103237						25.4	47.62	6.35
25.4*47.63*6.35		109128			193668		25.4	47.63	6.35
25.4*47.63*7.95		111895					25.4	47.63	7.95
25.4*47.63*9.53	108680	112396		109022		199022	25.4	47.63	9.53
25.4*47.63*11.13	110190			111028		191028	25.4	47.63	11.13
25.4*50.8*6.35	108194	108258		102993			25.4	50.8	6.35
25.4*50.8*7.95		108164		107445		197445	25.4	50.8	7.95
25.4*50.8*9.52	101756						25.4	50.8	9.52
25.4*50.8*9.53		104577		105488			25.4	50.8	9.53
25.4*50.8*11.13			100915				25.4	50.8	11.13
25.4*50.8*12.7		108056	114582		194582		25.4	50.8	12.7
25.4*51.99*6.35		111843					25.4	51.99	6.35
25.4*52*7		112318					25.4	52	7
25.4*52.38*9.52		106381					25.4	52.38	9.52
25.4*53.98*9.53		103620					25.4	53.98	9.53
25.4*57.15*9.53	380104	108965					25.4	57.15	9.53
25.4*58.75*7.95		113370					25.4	58.75	7.95
25.4*61.93*9.53				107757		197757	25.4	61.93	9.53
25.4*62*9	110962						25.4	62	9
25.58*50.39*6.35				114721		194721	25.58	50.39	6.35
26*32*5			110293				26	32	5
26*33*7			115004		195004		26	33	7
26*34*4	101788	116004					26	34	4
26*35*4	105971						26	35	4
26*35*5	108911						26	35	5
26*35*7	102624	106913	113659		193659		26	35	7
26*35.5*5		110751					26	35.5	5
26*36*5		107626					26	36	5
26*36*7	102728	109374					26	36	7
26*36*8			111767		191767		26	36	8
26*37*6		109860					26	37	6
26*37*7	380060	101085	106213				26	37	7
26*37*8		105446					26	37	8
26*37*9		112513					26	37	9
26*37*10	108217	108831					26	37	10
26*38*5		113859					26	38	5
26*38*7		101603					26	38	7
26*38*8		104828					26	38	8

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
26*39*5	110490						26	39	5
26*40*5		400945					26	40	5
26*40*6	380283	106433					26	40	6
26*40*7		106180					26	40	7
26*40*8		101938					26	40	8
26*40*9		106453		100215			26	40	9
26*40*10		107594					26	40	10
26*42*6	108409						26	42	6
26*42*7	105684	105111	115490		195490		26	42	7
26*42*8	380243	105868					26	42	8
26*42*9		104620					26	42	9
26*42*10	380009	103958	103558		193558		26	42	10
26*43*5		106131					26	43	5
26*43*7		108072					26	43	7
26*43*8		107818					26	43	8
26*43*10		102252					26	43	10
26*44*7		109008					26	44	7
26*45*6		110618					26	45	6
26*45*7		104348					26	45	7
26*45*9		110461					26	45	9
26*45*10		112689	115402		195402		26	45	10
26*46*8		110703					26	46	8
26*46*10		110087					26	46	10
26*47*5	109543						26	47	5
26*47*6		108521					26	47	6
26*47*7	380068	100461					26	47	7
26*47*8		105875					26	47	8
26*47*9		110353					26	47	9
26*47*10	104070	106914	105823		195823		26	47	10
26*47*12		107627					26	47	12
26*48*7		111236					26	48	7
26*48*8		108251					26	48	8
26*49*10		116150					26	49	10
26*50*7		109137					26	50	7
26*50*10		103201					26	50	10
26*52*6		113583					26	52	6
26*52*7		101865					26	52	7
26*52*8	101035	440020					26	52	8
26*52*9		111560					26	52	9
26*52*10		105736					26	52	10
26*62*9		110067					26	62	9
26*72*10		102328					26	72	10
26.19*41.28*7.95			410334				26.19	41.28	7.95
26.5*37*7	112939						26.5	37	7
26.5*47*7		111921					26.5	47	7
26.98*41.27*7.93	103548						26.98	41.27	7.93

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
26.98*42.86*7			107391		197391		26.98	42.86	7
27*34*4				107691			27	34	4
27*35*4	108216						27	35	4
27*35*7	101903						27	35	7
27*36*6		107669					27	36	6
27*36*7	110592	113405					27	36	7
27*37*4		115105		107687		197687	27	37	4
27*37*5	108907						27	37	5
27*37*7	102561	100592					27	37	7
27*37*10		112367					27	37	10
27*38*5		108906					27	38	5
27*38*6	115542						27	38	6
27*38*7		106324					27	38	7
27*39*7		112966					27	39	7
27*39.7*6.35		114026		108233		198233	27	39.7	6.35
27*40*6	108475	108704					27	40	6
27*40*6.5	111599						27	40	6.5
27*40*7	380130	107016					27	40	7
27*40*8		103041					27	40	8
27*40*10		100996					27	40	10
27*41*7		101163					27	41	7
27*41*10	440064	113633					27	41	10
27*41.28*6.35	114340						27	41.28	6.35
27*41.28*7.95	108291						27	41.28	7.95
27*41.28*9.53		108733					27	41.28	9.53
27*42*5		111486					27	42	5
27*42*7	101757	106915					27	42	7
27*42*8		108438					27	42	8
27*42*9		105412					27	42	9
27*42*10	103848	105990	104726				27	42	10
27*42.86*9.53		115172					27	42.86	9.53
27*43*7		105876					27	43	7
27*43*8		103822					27	43	8
27*43*9		110401		100643			27	43	9
27*43*10		101848					27	43	10
27*44.45*6.35				109162		199162	27	44.45	6.35
27*44.45*9.53		109135					27	44.45	9.53
27*44.45*11.13				109669		199669	27	44.45	11.13
27*45*6	111798						27	45	6
27*45*7		102272					27	45	7
27*45*8	103836	107777					27	45	8
27*45*9		107210					27	45	9
27*45*11	108930						27	45	11
27*46.43*11.13				114914		194914	27	46.43	11.13
27*47*5	113473						27	47	5
27*47*6	108444	109545					27	47	6

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
27*47*7	380054	100743	110747		190747		27	47	7
27*47*8		106200					27	47	8
27*47*10	100928	104072		115875		195875	27	47	10
27*47.63*6.35				108942		198942	27	47.63	6.35
27*47.63*9.53	380163	115391					27	47.63	9.53
27*48*8		110577					27	48	8
27*49*10	114447						27	49	10
27*50*10	108315	110446					27	50	10
27*50.8*9.53		109821					27	50.8	9.53
27*50.8*11.51				109393		199393	27	50.8	11.51
27*50.8*12.7				109937		199937	27	50.8	12.7
27*52*5		113766					27	52	5
27*52*8	106967	107158	111117		191117		27	52	8
27*52*10	116315	109261					27	52	10
27*52*12		111872					27	52	12
27*52.4*11.13			107310		197310		27	52.4	11.13
27*53*7	114413	108694					27	53	7
27*54*8		113817					27	54	8
27*55*8		104007					27	55	8
27*62*10		115369					27	62	10
27.79*44.45*9.52		100216					27.79	44.45	9.52
27.79*47.63*6.35			115183		195183		27.79	47.63	6.35
27.8*38*7	102235						27.8	38	7
27.95*56*10		114969					27.95	56	10
28*34*7	115886						28	34	7
28*35*4				110750			28	35	4
28*35*5		108678		108843		198843	28	35	5
28*35*7		100692					28	35	7
28*35*9		111910					28	35	9
28*36*4				113149		193149	28	36	4
28*36*5		115432					28	36	5
28*36*6		111575		107811		197811	28	36	6
28*36*7		113755					28	36	7
28*36*8	109333			105676			28	36	8
28*36*11				102253			28	36	11
28*37*4	116282	110834					28	37	4
28*37*5		111325					28	37	5
28*37*6		106916					28	37	6
28*37*7		103209					28	37	7
28*37*8	108702						28	37	8
28*38*5		109232					28	38	5
28*38*5.5		106085					28	38	5.5
28*38*6	108218						28	38	6
28*38*6.5		110916					28	38	6.5
28*38*7	103381	100093	107138		197138		28	38	7
28*38*8		105858					28	38	8

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
28*38*10		106917					28	38	10
28*39*7	103007		115337		195337		28	39	7
28*39*9		106153					28	39	9
28*40*4							28	40	4
28*40*5	108198	109417					28	40	5
28*40*7	100374	102944	108199		198199		28	40	7
28*40*8	103210	400385		103736			28	40	8
28*40*9		110387					28	40	9
28*40*10	101250	102658	101420				28	40	10
28*41*7		111440		116564		196564	28	41	7
28*41*8				111533		191533	28	41	8
28*42*6		108107	112414		192414		28	42	6
28*42*7	104154	100451	103883				28	42	7
28*42*8	105795	104286					28	42	8
28*42*10		105413					28	42	10
28*42*11		105447					28	42	11
28*42.5*8		111303					28	42.5	8
28*42.9*10		104129					28	42.9	10
28*43*6.5				115042		195042	28	43	6.5
28*43*7		103193		106713			28	43	7
28*43*8		106564		107796		197796	28	43	8
28*43*9	112818						28	43	9
28*43*10	101380	105782	101251				28	43	10
28*43.5*6		111802					28	43.5	6
28*44*6		103837					28	44	6
28*44*7		105072					28	44	7
28*44*8		109782		111622		191622	28	44	8
28*44*10	101758						28	44	10
28*45*5	110957	111259					28	45	5
28*45*6	110075	110445					28	45	6
28*45*7	107291	100130					28	45	7
28*45*8	105094	104575					28	45	8
28*45*9	111569						28	45	9
28*45*10		105755					28	45	10
28*46*6		113447					28	46	6
28*46*8		104181					28	46	8
28*46*10	107843	113029					28	46	10
28*46*12		112969					28	46	12
28*47*5		109626					28	47	5
28*47*6		109873					28	47	6
28*47*7	101516	101696	106033	114590		194590	28	47	7
28*47*8	101252	400668	101421	107275		197275	28	47	8
28*47*9	112646		115874		195874		28	47	9
28*47*10	101253	102540	101254	108874	191254	198874	28	47	10
28*48*5	101776						28	48	5
28*48*6	111245	111277					28	48	6

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
28*48*7		100593	112169		192169		28	48	7
28*48*8		105448	107465		197465		28	48	8
28*48*10		107198					28	48	10
28*48*11		111441					28	48	11
28*49*7		103817					28	49	7
28*49.5*9				114172			28	49.5	9
28*50*6		108928					28	50	6
28*50*7		106329					28	50	7
28*50*8	380254	105449		110721		190721	28	50	8
28*50*10		100437					28	50	10
28*50*11		112107					28	50	11
28*50*12		112786					28	50	12
28*50.8*10		102719					28	50.8	10
28*52*5		109015					28	52	5
28*52*6		107762					28	52	6
28*52*7	102729	103135	114375		194375		28	52	7
28*52*8		108605					28	52	8
28*52*9			115926		195926		28	52	9
28*52*10	105915	100877					28	52	10
28*52*12	108552		101230		191230		28	52	12
28*54*7.5		113752					28	54	7.5
28*54*10.5				112742		192742	28	54	10.5
28*55*7		112903					28	55	7
28*55*9			107799		197799		28	55	9
28*55*10		104131					28	55	10
28*56*6		109664					28	56	6
28*56*7		110557					28	56	7
28*56*8		101164					28	56	8
28*56*9		113089					28	56	9
28*56*10		104621					28	56	10
28*57*7		114165					28	57	7
28*57*10		106395					28	57	10
28*58*6		109327					28	58	6
28*58*7			112278		192278		28	58	7
28*58*8		114360					28	58	8
28*58*10		107196					28	58	10
28*60*10		106535					28	60	10
28*62*7		111004					28	62	7
28*62*10	105776	102751					28	62	10
28*62*12	109302						28	62	12
28*70*10		104622					28	70	10
28*72*7		113647					28	72	7
28*72*12			107397		197397		28	72	12
28.17*43.26*7.95		103351					28.17	43.26	7.95
28.17*50.8*7.95		100235					28.17	50.8	7.95
28.17*56.36*11.91		109320					28.17	56.36	11.91

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
28.4*45*8	109285						28.4	45	8
28.5*38*6		107129					28.5	38	6
28.5*39.5*9.5		100711					28.5	39.5	9.5
28.5*43*7		111054					28.5	43	7
28.5*45*8.5		113230					28.5	45	8.5
28.56*48*6				109512		199512	28.56	48	6
28.57*41.27*7.93		101759					28.57	41.27	7.93
28.57*41.27*9.52			102254				28.57	41.27	9.52
28.57*44.45*7.93		101517					28.57	44.45	7.93
28.57*44.45*11.11	101537						28.57	44.45	11.11
28.57*50.8*9.52		101422					28.57	50.8	9.52
28.57*57.15*9.52	101460						28.57	57.15	9.52
28.57*57.15*12.7	109617						28.57	57.15	12.7
28.58*34.92*4.78		109750					28.58	34.92	4.78
28.58*34.92*6.35		114575					28.58	34.92	6.35
28.58*38.1*4.78				114938		194938	28.58	38.1	4.78
28.58*38.1*6.35	101844	106392	109349	110752	199349		28.58	38.1	6.35
28.58*39.7*4.78	115538						28.58	39.7	4.78
28.58*39.7*6.35		108635		108832		198832	28.58	39.7	6.35
28.58*39.7*7.95		112542					28.58	39.7	7.95
28.58*39.7*9.53		105106	109702		199702		28.58	39.7	9.53
28.58*41.28*5.5				114623		194623	28.58	41.28	5.5
28.58*41.28*6.35	104036	104039	111087		191087		28.58	41.28	6.35
28.58*41.28*7.95	100314			108846		198846	28.58	41.28	7.95
28.58*41.28*9.53	115125	104931		107498			28.58	41.28	9.53
28.58*42.88*6.35		111958					28.58	42.88	6.35
28.58*42.88*7.95		109021					28.58	42.88	7.95
28.58*44.45*6.35		107516		108849		198849	28.58	44.45	6.35
28.58*44.45*9.52		100217					28.58	44.45	9.52
28.58*44.45*9.53			410147				28.58	44.45	9.53
28.58*44.45*11.13				115379		195379	28.58	44.45	11.13
28.58*45.24*12.7		113969					28.58	45.24	12.7
28.58*45.64*6.35	108889						28.58	45.64	6.35
28.58*46.05*9.53				110084		190084	28.58	46.05	9.53
28.58*46.43*9.53				113839		193839	28.58	46.43	9.53
28.58*46.43*9.93		103931					28.58	46.43	9.93
28.58*46.43*11.13				108731		198731	28.58	46.43	11.13
28.58*47.02*7.95			101142		191142		28.58	47.02	7.95
28.58*47.63*6.35	107932		105579	107593		197593	28.58	47.63	6.35
28.58*47.63*7.95		115646					28.58	47.63	7.95
28.58*47.63*9.53	107056	104946		113210		193210	28.58	47.63	9.53
28.58*47.63*11.13			410392				28.58	47.63	11.13
28.58*50.39*6.35			113429	115110	193429	195110	28.58	50.39	6.35
28.58*50.39*11.13				108491		198491	28.58	50.39	11.13
28.58*50.8*6.35		107564		109662		199662	28.58	50.8	6.35
28.58*50.8*9.53				108999		198999	28.58	50.8	9.53

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
28.58*50.8*11.13	110864						28.58	50.8	11.13
28.58*52.4*7.95			101143				28.58	52.4	7.95
28.58*52.4*9.53	380162	107512	114036		194036		28.58	52.4	9.53
28.58*52.4*11.51				108225		198225	28.58	52.4	11.51
28.58*52.4*12.7				110291		190291	28.58	52.4	12.7
28.58*53.97*6.35	112951						28.58	53.97	6.35
28.58*53.97*7.95		108693					28.58	53.97	7.95
28.58*53.97*9.53		108494					28.58	53.97	9.53
28.58*57.15*6.35			112348		192348		28.58	57.15	6.35
28.58*57.15*9.53		104698					28.58	57.15	9.53
28.58*61.93*7.95		109109					28.58	61.93	7.95
28.58*61.93*9.53				108273		198273	28.58	61.93	9.53
28.58*61.93*11.13		108298					28.58	61.93	11.13
28.58*62*9.53		103778					28.58	62	9.53
28.58*64.29*6.35		114862					28.58	64.29	6.35
28.58*71.83*9.53	109077						28.58	71.83	9.53
28.6*39.6*4.7		113227					28.6	39.6	4.7
28.6*40*8		401160					28.6	40	8
28.6*43*6.5				103691			28.6	43	6.5
28.8*46.5*11.2		103211					28.8	46.5	11.2
29*36*7				112048			29	36	7
29*38*6	109972						29	38	6
29*39*5	110275						29	39	5
29*40*6			114347		194347		29	40	6
29*40*7	108422	109152					29	40	7
29*40*8		107972					29	40	8
29*41*5	111557						29	41	5
29*41*6	112081						29	41	6
29*41*7				113034		193034	29	41	7
29*41*10				100869			29	41	10
29*42*7	108220						29	42	7
29*42*8		106132					29	42	8
29*43*7	112380						29	43	7
29*43*8		111121					29	43	8
29*43*10		108879					29	43	10
29*44*7		111322					29	44	7
29*45*7		105587					29	45	7
29*45*8		106918					29	45	8
29*45*9	110285	112950					29	45	9
29*45*9.5	110642						29	45	9.5
29*45*10				101961			29	45	10
29*46*7		109056					29	46	7
29*46*9		105878					29	46	9
29*46*10	103702	102844					29	46	10
29*47*8		108781					29	47	8
29*47*10	440026	104623					29	47	10

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
29*48*7				115993		195993	29	48	7
29*48*8			112187		192187		29	48	8
29*48*10	111822						29	48	10
29*50*8		105879					29	50	8
29*50*10	105269	100438		110755		190755	29	50	10
29*52*7		115270					29	52	7
29*52*9	109173						29	52	9
29*55*9	109706						29	55	9
29*62*10	108692	116549					29	62	10
29.36*38.1*4.78		110853					29.36	38.1	4.78
29.36*39.7*5.94	112256						29.36	39.7	5.94
29.36*42.86*8.33		108281					29.36	42.86	8.33
29.36*42.88*6.35			112334		192334		29.36	42.88	6.35
29.36*42.88*7.95				108950		198950	29.36	42.88	7.95
29.36*46.43*11.13			410163				29.36	46.43	11.13
29.36*47.63*6.35			100309	112054		192054	29.36	47.63	6.35
29.36*50.39*6.35				114064		194064	29.36	50.39	6.35
29.36*50.8*11.13			103989		193989		29.36	50.8	11.13
29.36*52.4*9.53				109806		199806	29.36	52.4	9.53
29.5*42.5*8.15	110973						29.5	42.5	8.15
29.5*47.9*9		106290					29.5	47.9	9
29.77*46.43*9.53				108344		198344	29.77	46.43	9.53
29.8*47*9.9		103520					29.8	47	9.9
29.8*47.63*6.35			430980				29.8	47.63	6.35
30*36*5	111244						30	36	5
30*37*4	100617		104089	103175			30	37	4
30*37*6.5	107146						30	37	6.5
30*37*8	108598						30	37	8
30*38*4	103972	105898					30	38	4
30*38*5		102859	110306	116232			30	38	5
30*38*6		107628					30	38	6
30*38*7	102206	114578					30	38	7
30*38*8		114495					30	38	8
30*39*7				104872		194872	30	39	7
30*40*4	103650	111746		113954		193954	30	40	4
30*40*5	380241	103953					30	40	5
30*40*6		109426			191306		30	40	6
30*40*7	100493	101114	100525	101571			30	40	7
30*40*8		107865					30	40	8
30*40*9	111633						30	40	9
30*40*10		102255					30	40	10
30*41*7		105450		430930			30	41	7
30*41*9				107147			30	41	9
30*42*4.5		104926					30	42	4.5
30*42*5	113542	107551					30	42	5
30*42*5.5		101062					30	42	5.5

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
30*42*5.7	101054						30	42	5.7
30*42*6	104734	104071	116468	115028	196468	195028	30	42	6
30*42*7	100278	100393	100798	101749		191749	30	42	7
30*42*8	106127	101512	109282		199282		30	42	8
30*42*8.5		112004					30	42	8.5
30*42*9		109454					30	42	9
30*42*10		105469					30	42	10
30*42*12		109746					30	42	12
30*42.5*8		107235					30	42.5	8
30*43*5		115791					30	43	5
30*43*5.4	110748						30	43	5.4
30*43*6		115790					30	43	6
30*43*7		108433					30	43	7
30*43*8	101381	106393	105394				30	43	8
30*43*9		108538					30	43	9
30*43*10		103581		112528		192528	30	43	10
30*43.5*10				109830		199830	30	43.5	10
30*44*5				110819		190819	30	44	5
30*44*7	101538	105357		430929			30	44	7
30*44*8		108499					30	44	8
30*44*9		111104		111866		191866	30	44	9
30*44*10		105688					30	44	10
30*44.45*7				100467			30	44.45	7
30*44.45*10		100870					30	44.45	10
30*45*5	104219	108301					30	45	5
30*45*5.5	112572						30	45	5.5
30*45*6		106762	113790	104592	193790		30	45	6
30*45*7	104336	102717	101924				30	45	7
30*45*8	101315	102534	101404	101255			30	45	8
30*45*9	380010	105358					30	45	9
30*45*9.5			113101		193101		30	45	9.5
30*45*10	105501	100481		113603		193603	30	45	10
30*45*11		107820					30	45	11
30*45*13		107490					30	45	13
30*45.7*6		112424					30	45.7	6
30*46*5	108257	111075					30	46	5
30*46*7		101209					30	46	7
30*46*8	113107	100221		115701		195701	30	46	8
30*46*10		102256					30	46	10
30*46.5*7.5		103212					30	46.5	7.5
30*47*5	380259	106919					30	47	5
30*47*6	106356	109665					30	47	6
30*47*7	100279	100432	101574	105584			30	47	7
30*47*8	101539	100758	102306	110822		190822	30	47	8
30*47*9				112012		192012	30	47	9
30*47*10	101323	100132	101196	102063	191196		30	47	10

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
30*48*7		102006					30	48	7
30*48*8	104087	104774					30	48	8
30*48*10		100133	102746				30	48	10
30*48.5*8		114994					30	48.5	8
30*49*7		110924					30	49	7
30*49*8		111166					30	49	8
30*49*9	111421						30	49	9
30*50*5		110717					30	50	5
30*50*6				110686		190686	30	50	6
30*50*7	100687	100483	110364		190364		30	50	7
30*50*8		103346					30	50	8
30*50*10	101575	100186	101461	109164		199164	30	50	10
30*50*11	105160	105336	181461	113900		193900	30	50	11
30*50*12		103047	101665		191665		30	50	12
30*50*12.5		112430					30	50	12.5
30*50*15		116118					30	50	15
30*51*6			109640		199640		30	51	6
30*51*8		111218					30	51	8
30*51*9		109034					30	51	9
30*51*10		109585					30	51	10
30*52*5	102096	109749					30	52	5
30*52*6	108365						30	52	6
30*52*7	100458	102541		100520			30	52	7
30*52*8		100135					30	52	8
30*52*8.5	104611						30	52	8.5
30*52*9		111025		101717		191717	30	52	9
30*52*10	100823	105462	101256	102956	191256		30	52	10
30*52*11		106920					30	52	11
30*52*12		103443	101904	105312	191904	195312	30	52	12
30*52*14		102623					30	52	14
30*53*8		108500					30	53	8
30*53*13		112066					30	53	13
30*54*6				109681		199681	30	54	6
30*54*7		107404					30	54	7
30*54*8		112431					30	54	8
30*54*9		107473					30	54	9
30*54*10		103601					30	54	10
30*54*10.5				112013		192013	30	54	10.5
30*54*12		110978					30	54	12
30*55*5		113549					30	55	5
30*55*6		108282					30	55	6
30*55*7	100184	102499		102884			30	55	7
30*55*8		108980					30	55	8
30*55*10	101026	100189	112103	103191	192103		30	55	10
30*55*11		109663					30	55	11
30*55*12	101382	101257	101356	106181	191356		30	55	12

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
30*56*6		109184					30	56	6
30*56*7	109181	114122					30	56	7
30*56*8	102664	109414					30	56	8
30*56*10	380011	100682					30	56	10
30*56*12	101383	110758	105594		195594		30	56	12
30*57*7		111140					30	57	7
30*57*8	101777						30	57	8
30*57*10		108508	107578		197578		30	57	10
30*58*8		111839					30	58	8
30*58*10		103634					30	58	10
30*60*7		108343					30	60	7
30*60*8		102749	113578		193578		30	60	8
30*60*10	108812	401244	107140	107039	197140	197039	30	60	10
30*60*12		108751	106243		196243		30	60	12
30*62*5		108324					30	62	5
30*62*6			102628				30	62	6
30*62*7	101797	101119	102223	101674			30	62	7
30*62*8	101666	104832					30	62	8
30*62*9		108653	114674		194674		30	62	9
30*62*10	100977	101197	101462	102689	191462	192689	30	62	10
30*62*11		111976					30	62	11
30*62*12	101258	103136	101463	111374	191463	191374	30	62	12
30*62*13		112085	112266		192266		30	62	13
30*62*14				113638		193638	30	62	14
30*65*5	380012	113840					30	65	5
30*65*7		106335					30	65	7
30*65*8		107909					30	65	8
30*65*10	105201	103898					30	65	10
30*65*13				104182			30	65	13
30*66*12		112999					30	66	12
30*68*7	108147	108283					30	68	7
30*68*8				113013		193013	30	68	8
30*68*10		104183					30	68	10
30*70*7		115103					30	70	7
30*70*8.5		104184					30	70	8.5
30*70*10		104851					30	70	10
30*72*6	109421	112346					30	72	6
30*72*7	108388	114846		106549			30	72	7
30*72*8	103671	101036					30	72	8
30*72*10	102170	100958	104270	111625	194270	191625	30	72	10
30*72*12			105645	108188	195645	198188	30	72	12
30*72*13		111055					30	72	13
30*75*9		110259					30	75	9
30*75*10		108314					30	75	10
30*77*9		112335					30	77	9
30*80*7	114063		112201		192201		30	80	7

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
30*80*10		108949					30	80	10
30*82*10		113150					30	82	10
30*85*10	103708	112690					30	85	10
30*90*7		112042					30	90	7
30*90*10		114900					30	90	10
30.16*42.86*6.35			430981				30.16	42.86	6.35
30.16*50.8*7.93	102679						30.16	50.8	7.93
30.18*41.28*6.35		114828					30.18	41.28	6.35
30.18*42.88*7.95	107529						30.18	42.88	7.95
30.18*42.88*9.53	108775	114986		107598		197598	30.18	42.88	9.53
30.18*43.66*12.7	103855			116483		196483	30.18	43.66	12.7
30.18*44.45*4.78		109177					30.18	44.45	4.78
30.18*44.45*6.35	108429	111404					30.18	44.45	6.35
30.18*44.45*9			101798		191798		30.18	44.45	9
30.18*44.45*9.52		104966					30.18	44.45	9.52
30.18*44.45*11.13	111829						30.18	44.45	11.13
30.18*46.43*11.13				113651		193651	30.18	46.43	11.13
30.18*47.63*6.35	106044		102366				30.18	47.63	6.35
30.18*47.63*7.95		108530					30.18	47.63	7.95
30.18*47.63*8.89			100985				30.18	47.63	8.89
30.18*47.63*9.53		115431					30.18	47.63	9.53
30.18*50.39*11.13	109653						30.18	50.39	11.13
30.18*50.8*6.35	116131	102803					30.18	50.8	6.35
30.18*50.8*7.14		100187					30.18	50.8	7.14
30.18*50.8*9.53		104947					30.18	50.8	9.53
30.18*50.8*11.13				115433		195433	30.18	50.8	11.13
30.18*52.4*6.35	111375		115345			195345	30.18	52.4	6.35
30.18*53.97*6.35				113514		193514	30.18	53.97	6.35
30.18*57.15*6.35				116454			30.18	57.15	6.35
30.18*57.15*7.95				110128		190128	30.18	57.15	7.95
30.18*61.93*6.35	114872						30.18	61.93	6.35
30.18*61.93*9.53		111061					30.18	61.93	9.53
30.18*62*9.53				101155		191155	30.18	62	9.53
30.18*62.18*9.53		103642					30.18	62.18	9.53
30.18*63.5*6.35						196454	30.18	63.5	6.35
31*41*5	110782						31	41	5
31*41*7		111057					31	41	7
31*42*8	116224	108175					31	42	8
31*43*6		115406					31	43	6
31*43*7		116364					31	43	7
31*43*8		110677					31	43	8
31*43*10		108326					31	43	10
31*43*12.5		107711					31	43	12.5
31*44*7		110645					31	44	7
31*44*8		103792					31	44	8
31*45*6	110231						31	45	6

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
31*45*7		107949					31	45	7
31*45*8		114870					31	45	8
31*46*6		107844					31	46	6
31*47*7		106186		110859			31	47	7
31*47*8		109490					31	47	8
31*47*10		110009					31	47	10
31*48*7		110682					31	48	7
31*48*10		116025					31	48	10
31*49*7		113745					31	49	7
31*50*8		107629					31	50	8
31*51*7		110238					31	51	7
31*52*6		100594					31	52	6
31*52*7	108263	108648					31	52	7
31*52*8	110338						31	52	8
31*52*9	108778						31	52	9
31*52*12				112098		192098	31	52	12
31*55*9	102209						31	55	9
31*62.5*4.5	103635						31	62.5	4.5
31.5*43.2*10	108556						31.5	43.2	10
31.5*47*7	109339						31.5	47	7
31.5*52*7	111656						31.5	52	7
31.5*72*9.5		410322					31.5	72	9.5
31.7*44.53*6.3		401393					31.7	44.53	6.3
31.75*40*7		109076					31.75	40	7
31.75*41.28*4.78		115293					31.75	41.28	4.78
31.75*41.28*6.35		110975					31.75	41.28	6.35
31.75*42.86*6.35		101423					31.75	42.86	6.35
31.75*42.86*7.95		107557					31.75	42.86	7.95
31.75*42.88*7.95				111172		191172	31.75	42.88	7.95
31.75*42.88*9.53	108247						31.75	42.88	9.53
31.75*42.88*11.13				108373		198373	31.75	42.88	11.13
31.75*44.45*6.35		104203		106119			31.75	44.45	6.35
31.75*44.45*7.93		112397					31.75	44.45	7.93
31.75*44.45*7.95				100328		190328	31.75	44.45	7.95
31.75*44.45*9.53		104085		114461			31.75	44.45	9.53
31.75*44.45*12.7		109991					31.75	44.45	12.7
31.75*44.5*6.35			104172				31.75	44.5	6.35
31.75*46.43*9.53		110199					31.75	46.43	9.53
31.75*47.63*6.35	108823	115012	107751	115033	197751	195033	31.75	47.63	6.35
31.75*47.63*7.95		108626		109835		199835	31.75	47.63	7.95
31.75*47.63*9.53	103862	115013					31.75	47.63	9.53
31.75*47.63*11.13		111103					31.75	47.63	11.13
31.75*48.03*9.53				108970		198970	31.75	48.03	9.53
31.75*49.23*11.13	110224						31.75	49.23	11.13
31.75*50.19*7.95		115525					31.75	50.19	7.95
31.75*50.39*6.35			114506	115885	194506	195885	31.75	50.39	6.35

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
31.75*50.39*9.93				108503		198503	31.75	50.39	9.93
31.75*50.39*12.7			112039		192039		31.75	50.39	12.7
31.75*50.8*6.35		108472		109354		199354	31.75	50.8	6.35
31.75*50.8*7.93		112398					31.75	50.8	7.93
31.75*50.8*7.95		107565					31.75	50.8	7.95
31.75*50.8*9.53		104332		108050		198050	31.75	50.8	9.53
31.75*50.8*11.13				111238		191238	31.75	50.8	11.13
31.75*50.8*12.7		106618	107464		197464		31.75	50.8	12.7
31.75*52.38*9.53		107802					31.75	52.38	9.53
31.75*52.38*11.13				108725		198725	31.75	52.38	11.13
31.75*52.4*6.35				109602		199602	31.75	52.4	6.35
31.75*52.4*9.53				108975		198975	31.75	52.4	9.53
31.75*53.97*6.35	109465	114799	101144				31.75	53.97	6.35
31.75*53.97*7.95		108601					31.75	53.97	7.95
31.75*53.97*9.53		108095					31.75	53.97	9.53
31.75*53.97*11.13				110179		190179	31.75	53.97	11.13
31.75*55.58*9.53		110240					31.75	55.58	9.53
31.75*55.58*11.13	103485	103991					31.75	55.58	11.13
31.75*57.15*6.35	380096	110117	114229		194229		31.75	57.15	6.35
31.75*57.15*7.95	109136			109361		199361	31.75	57.15	7.95
31.75*57.15*9.53	107752	112170		108502		198502	31.75	57.15	9.53
31.75*57.15*12.7		106008	109611		199611		31.75	57.15	12.7
31.75*59.13*11.13				109856		199856	31.75	59.13	11.13
31.75*60.33*7.95				109112		199112	31.75	60.33	7.95
31.75*60.33*9.53		109436					31.75	60.33	9.53
31.75*60.33*12.7		113708					31.75	60.33	12.7
31.75*61.93*6.35				111915		191915	31.75	61.93	6.35
31.75*61.93*7.95				109277		199277	31.75	61.93	7.95
31.75*62*7		112775					31.75	62	7
31.75*63.5*9.53		109769		109676		199676	31.75	63.5	9.53
31.75*68.28*7.95				113906		193906	31.75	68.28	7.95
31.75*68.28*9.53				114470		194470	31.75	68.28	9.53
31.75*69.85*9.52		103181					31.75	69.85	9.52
31.75*72*9.53		100653					31.75	72	9.53
31.75*73.02*9.53	112183						31.75	73.02	9.53
31.8*47*8		111699					31.8	47	8
32*39*7				109218			32	39	7
32*40*4	113450						32	40	4
32*40*5	380177	108745					32	40	5
32*40*7	103238	104679					32	40	7
32*40*8		108427					32	40	8
32*40*10		112237					32	40	10
32*41*7				107148			32	41	7
32*42*4	112553						32	42	4
32*42*5		108074					32	42	5
32*42*6		114409					32	42	6

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
32*42*7	105777	400291	440022	103247			32	42	7
32*42*8		102750					32	42	8
32*42*9		112002					32	42	9
32*42*10		110129					32	42	10
32*42.5*5		115264					32	42.5	5
32*43*5.5		108961					32	43	5.5
32*43*7		106666					32	43	7
32*44*7		101769					32	44	7
32*44*8		106299					32	44	8
32*44*9		103496		101086			32	44	9
32*44*10	106732	100395					32	44	10
32*44*11		113872					32	44	11
32*44*12		109891					32	44	12
32*44.45*7		103295					32	44.45	7
32*44.45*9		100129					32	44.45	9
32*44.57*7				102921			32	44.57	7
32*45*5		106217					32	45	5
32*45*6	103651	106079					32	45	6
32*45*6.5				113516		193516	32	45	6.5
32*45*7	100662	100854		103901			32	45	7
32*45*8		105071	104724				32	45	8
32*45*10	380013	400779					32	45	10
32*45*12		111169					32	45	12
32*46*7		101849					32	46	7
32*46*8		108369	112120	112263	192120	192263	32	46	8
32*47*6		109511					32	47	6
32*47*7	100562	101824	101801	101802			32	47	7
32*47*8		400300		112697		192697	32	47	8
32*47*9		106497					32	47	9
32*47*10	107756	103137	103382	106425			32	47	10
32*47*12		109901					32	47	12
32*48*7		105470	114705		194705		32	48	7
32*48*8	103838	103138	113205		193205		32	48	8
32*48*10		103631					32	48	10
32*48*12		106557					32	48	12
32*49.5*10		103482					32	49.5	10
32*50*6		106394					32	50	6
32*50*7	100852	101087	101905				32	50	7
32*50*8	101675	101965					32	50	8
32*50*10	105778	100433	116409	110206	196409		32	50	10
32*50*12	101259	115621	102621		192621		32	50	12
32*50.8*7				102274			32	50.8	7
32*51*8	106493	108978					32	51	8
32*51*9	107846						32	51	9
32*51*9.5		111227					32	51	9.5
32*51*12		109142					32	51	12

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
32*52*5	108339						32	52	5
32*52*6		115608					32	52	6
32*52*6.5		111942	100856	111390		191390	32	52	6.5
32*52*7	100489	100757	101856	104559		194559	32	52	7
32*52*7.5	106019						32	52	7.5
32*52*8	101328	104773					32	52	8
32*52*9	110661	102896	101703		191703		32	52	9
32*52*10	101384	100462	101424	105779	191424		32	52	10
32*52*11		103562		113902		193902	32	52	11
32*52*12	101260	114839	104643		194643		32	52	12
32*54*6			113861		193861		32	54	6
32*54*7		111803					32	54	7
32*54*8	107181						32	54	8
32*54*10	107338	100136	114820		194820		32	54	10
32*55*7		102542					32	55	7
32*55*8		104185					32	55	8
32*55*9		114013					32	55	9
32*55*10	105337	100997	105595	113236	195595	193236	32	55	10
32*55*11		107847					32	55	11
32*55*12	108688	111545		103147		193147	32	55	12
32*56*8		106517					32	56	8
32*56*10	101464	102659	101425	103214			32	56	10
32*56*11		104273					32	56	11
32*56*12	101623						32	56	12
32*57*7.5		111865					32	57	7.5
32*57*9.5	114572						32	57	9.5
32*57*12	110787						32	57	12
32*58*7	105212	111993					32	58	7
32*58*8		108457					32	58	8
32*58*12		105655		104166			32	58	12
32*60*7		115048					32	60	7
32*60*8		103949					32	60	8
32*60*10	380124	107848	103744		193744		32	60	10
32*60*12			109357	111793	199357	191793	32	60	12
32*62*6	108338						32	62	6
32*62*7		106725					32	62	7
32*62*8		103889					32	62	8
32*62*10		100723	106729		196729		32	62	10
32*62*12	101261		114573		194573		32	62	12
32*64*7		106133					32	64	7
32*64*10		112046					32	64	10
32*65*6.5		109197					32	65	6.5
32*65*8		107205					32	65	8
32*65*9		109377					32	65	9
32*65*10		103196	109081	108040	199081	198040	32	65	10
32*65*12		110633		104186			32	65	12

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
32*65*13		106154					32	65	13
32*66*10	109080						32	66	10
32*67*8		110542					32	67	8
32*68*8		109759					32	68	8
32*68*10		103820					32	68	10
32*70*8	105719	109258					32	70	8
32*70*10		103428					32	70	10
32*72*8		103727					32	72	8
32*72*10		102789					32	72	10
32*78*10		112156					32	78	10
32*80*10				111165		191165	32	80	10
32.54*49.23*12.7		115178					32.54	49.23	12.7
32.54*50.8*9.53		115487					32.54	50.8	9.53
32.94*50.8*7.95				110900		190900	32.94	50.8	7.95
33*43*6	101597						33	43	6
33*43*7	101906	111269					33	43	7
33*43*8		107720					33	43	8
33*44*8		105740		100050			33	44	8
33*45*7	103716	105451					33	45	7
33*45*8		115357					33	45	8
33*45*11		109471					33	45	11
33*46*10		108228					33	46	10
33*47*6		113678					33	47	6
33*47*7	111981			110079		190079	33	47	7
33*47*8		110104					33	47	8
33*48*6		111093					33	48	6
33*48*8		110048		108497		198497	33	48	8
33*48*8.9		102814					33	48	8.9
33*48*10		105880					33	48	10
33*48*12	113684						33	48	12
33*50*6		100874					33	50	6
33*50*7		400724					33	50	7
33*50*8	116221	100434					33	50	8
33*50*10	107704	100396		111837		191837	33	50	10
33*50*11		110477					33	50	11
33*50*12		109885		105665			33	50	12
33*52*6	380199	100463					33	52	6
33*52*7		105122		109348		199348	33	52	7
33*52*8		109443					33	52	8
33*52*8.5	111320						33	52	8.5
33*52*10		106619		110832		190832	33	52	10
33*55*9.5				100048			33	55	9.5
33*55*10		108548		109147		199147	33	55	10
33*55*12		108721		109017		199017	33	55	12
33*56*12	107718	111384					33	56	12
33*59*12		114405					33	59	12

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
33*60*10				109674		199674	33	60	10
33*62*8		115333					33	62	8
33*62*10	107779			107976	431231	197976	33	62	10
33*63*9		104849					33	63	9
33*64*10		112051					33	64	10
33*66*12		100600					33	66	12
33*72*10		110004					33	72	10
33.33*73.02*9.53		114951					33.33	73.02	9.53
33.34*57.15*9.52	110519						33.34	57.15	9.52
33.35*44.45*4.78	104289						33.35	44.45	4.78
33.35*44.45*9.53		115074					33.35	44.45	9.53
33.35*46.05*8.74		111740					33.35	46.05	8.74
33.35*46.84*4.78	108888						33.35	46.84	4.78
33.35*47.63*6.35	109823						33.35	47.63	6.35
33.35*47.63*7.95	108591			113417		193417	33.35	47.63	7.95
33.35*47.63*11.13		114727					33.35	47.63	11.13
33.35*49.23*6.35		104917					33.35	49.23	6.35
33.35*49.23*9.53		105066					33.35	49.23	9.53
33.35*50.8*7.95		107540					33.35	50.8	7.95
33.35*50.8*9.53	109610			111141		191141	33.35	50.8	9.53
33.35*52.4*7.95			101406	109351		199351	33.35	52.4	7.95
33.35*52.4*9.53		104902					33.35	52.4	9.53
33.35*52.4*12.7	109344						33.35	52.4	12.7
33.35*52.4*15.88				115560		195560	33.35	52.4	15.88
33.35*53.98*9.53		104948					33.35	53.98	9.53
33.35*57.15*9.53		115040					33.35	57.15	9.53
33.35*57.94*12.7				109088		199088	33.35	57.94	12.7
33.35*57.96*12.7		115436					33.35	57.96	12.7
33.35*60.33*7.95				109111		199111	33.35	60.33	7.95
33.35*60.33*12.7			112243		192243		33.35	60.33	12.7
33.35*63.5*9.53	108952						33.35	63.5	9.53
33.35*71.83*9.53			115234		195234		33.35	71.83	9.53
33.73*52.4*9.53		103906					33.73	52.4	9.53
33.73*58.75*11.13			410035				33.73	58.75	11.13
34*42*8		115505					34	42	8
34*43*7		108880					34	43	7
34*44*6	111143						34	44	6
34*44*7	380208	107521		111242		191242	34	44	7
34*44*8		107630		104347			34	44	8
34*44*10				109613		199613	34	44	10
34*45*6	109572						34	45	6
34*45*7		106309					34	45	7
34*45*8	380067	103985					34	45	8
34*45*9		110177					34	45	9
34*46*5	101634						34	46	5
34*46*7		114365					34	46	7

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
34*46*8		103426	101518				34	46	8
34*46*10	108221						34	46	10
34*47*7	105202	107852		104001			34	47	7
34*47*8		111962	116411		196411		34	47	8
34*47*9		107631	115072		195072		34	47	9
34*47*10		107159					34	47	10
34*47*12	112019						34	47	12
34*48*7		107946					34	48	7
34*48*8		106591	432580	111939		191939	34	48	8
34*48*9		111718					34	48	9
34*48*10		108881					34	48	10
34*48*11		111383					34	48	11
34*49*8	111223						34	49	8
34*50*7		400161					34	50	7
34*50*8	107678	109294					34	50	8
34*50*10	105720	106316	105516		195516		34	50	10
34*50*12		115031					34	50	12
34*51*8	110541						34	51	8
34*52*7		101642	109264		199264		34	52	7
34*52*7.5	103710	113920					34	52	7.5
34*52*8	105265	100998		110430		190430	34	52	8
34*52*10		102595	103187	112519	193187	192519	34	52	10
34*52*11	110064	110319					34	52	11
34*53*10		113531					34	53	10
34*54*7		109182					34	54	7
34*54*8		106074		103796			34	54	8
34*54*9		103826					34	54	9
34*54*10		108075					34	54	10
34*54*11		107963					34	54	11
34*54*12.5		105297					34	54	12.5
34*55*6		114932					34	55	6
34*55*7	380218	115014					34	55	7
34*55*9	109777	103745					34	55	9
34*55*10		108509		110076		190076	34	55	10
34*55*12		108730					34	55	12
34*56*8		105830					34	56	8
34*56*10		111804					34	56	10
34*57*6		110963					34	57	6
34*57*10		105420					34	57	10
34*58*8		114755		108274		198274	34	58	8
34*58*10		116580					34	58	10
34*58*13	380224	109328	108093		198093		34	58	13
34*59*10		108076					34	59	10
34*60*5	115319						34	60	5
34*62*6		114020					34	62	6
34*62*7	105271						34	62	7

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
34*62*8		109841					34	62	8
34*62*10	102221	103839	105646		195646		34	62	10
34*62*12				111621		191621	34	62	12
34*62*14		110045					34	62	14
34*70*10		107761		108090		198090	34	70	10
34*72*10		107204	107485		197485		34	72	10
34*72*12			106214		196214		34	72	12
34*72*14.5		106838					34	72	14.5
34*75*10		100442					34	75	10
34*80*10				114002		194002	34	80	10
34*80*12		112973					34	80	12
34*83*11.5		108077					34	83	11.5
34.5*47*7		103593					34.5	47	7
34.5*52*7	115457						34.5	52	7
34.52*56.74*5.94	111065						34.52	56.74	5.94
34.52*57.15*12.7				114116		194116	34.52	57.15	12.7
34.59*55.65*6.35			107136		197136		34.59	55.65	6.35
34.59*55.65*11.89			106646				34.59	55.65	11.89
34.9*46.4*6		100397					34.9	46.4	6
34.92*44.45*6.35	108197	114731					34.92	44.45	6.35
34.92*46.4*6	102309						34.92	46.4	6
34.92*47.63*4.78		113334					34.92	47.63	4.78
34.92*47.63*6.35		114732	101145				34.92	47.63	6.35
34.92*47.63*7.95	103486						34.92	47.63	7.95
34.92*47.63*11.13				111005		191005	34.92	47.63	11.13
34.92*49.23*6.35				108968		198968	34.92	49.23	6.35
34.92*50.8*7.95				100350		190350	34.92	50.8	7.95
34.92*50.8*11.13		109014					34.92	50.8	11.13
34.92*50.8*12.7	109747						34.92	50.8	12.7
34.92*52.38*6.35	102947						34.92	52.38	6.35
34.92*52.4*11.13				109874		199874	34.92	52.4	11.13
34.92*53.97*7.93	105491						34.92	53.97	7.93
34.92*53.97*7.95			101146	100304			34.92	53.97	7.95
34.92*53.97*9.52		101551					34.92	53.97	9.52
34.92*53.97*9.53				114500		194500	34.92	53.97	9.53
34.92*53.97*12.7				110935		190935	34.92	53.97	12.7
34.92*55.58*6.35		115526					34.92	55.58	6.35
34.92*55.58*12.7	109104						34.92	55.58	12.7
34.92*57.15*6.35				114702		194702	34.92	57.15	6.35
34.92*57.15*7.93				101552			34.92	57.15	7.93
34.92*57.15*7.95		103418					34.92	57.15	7.95
34.92*57.15*9.52	101210						34.92	57.15	9.52
34.92*57.15*9.53		105284					34.92	57.15	9.53
34.92*57.15*12.7				108321		198321	34.92	57.15	12.7
34.92*58.75*11.13	380204	109204					34.92	58.75	11.13
34.92*59.13*10.3		440023					34.92	59.13	10.3

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
34.92*60.33*7.95				103006			34.92	60.33	7.95
34.92*60.33*9.53	103487						34.92	60.33	9.53
34.92*60.33*12.7	108758						34.92	60.33	12.7
34.92*62*7.95			410051				34.92	62	7.95
34.92*63.5*11.13		115175					34.92	63.5	11.13
34.92*63.5*12.7	102371	110501	112250				34.92	63.5	12.7
34.92*65.1*11.13				113631		193631	34.92	65.1	11.13
34.92*65.1*12.7				109388		199388	34.92	65.1	12.7
34.92*66.68*9.53	110085						34.92	66.68	9.53
34.92*69.85*12.7	113930						34.92	69.85	12.7
34.92*72.24*7.95				107457		197457	34.92	72.24	7.95
34.92*72.24*9.53		109639					34.92	72.24	9.53
34.93*46.43*5.94				106455			34.93	46.43	5.94
34.93*47.63*6.35	108255						34.93	47.63	6.35
34.93*47.63*7.95		104223		104781			34.93	47.63	7.95
34.93*47.63*9.53		105925		107095		197095	34.93	47.63	9.53
34.93*49.23*9.53		104578	115671		195671		34.93	49.23	9.53
34.93*50.8*7				100875			34.93	50.8	7
34.93*50.8*7.95		106574		106649			34.93	50.8	7.95
34.93*50.8*9.53		106228					34.93	50.8	9.53
34.93*52.4*7.95		106575					34.93	52.4	7.95
34.93*52.4*9.53	108506						34.93	52.4	9.53
34.93*52.4*12.7	110299						34.93	52.4	12.7
34.93*53.98*6.35		105139					34.93	53.98	6.35
34.93*53.98*7.95		104793		108485		198485	34.93	53.98	7.95
34.93*53.98*11.13		109886		108799		198799	34.93	53.98	11.13
34.93*55.56*12.7				110740		190740	34.93	55.56	12.7
34.93*57.15*6.35		113152					34.93	57.15	6.35
34.93*57.15*9.53				108234		198234	34.93	57.15	9.53
34.93*57.15*11.13		103904					34.93	57.15	11.13
34.93*57.15*12.7		106620					34.93	57.15	12.7
34.93*60.33*7.95		103544					34.93	60.33	7.95
34.93*60.33*9.53		109675					34.93	60.33	9.53
34.93*60.33*12.7				109127		199127	34.93	60.33	12.7
34.93*61.93*6.35		103542	113432		193432		34.93	61.93	6.35
34.93*61.93*9.53				110508		190508	34.93	61.93	9.53
34.93*63.5*9.53		108366					34.93	63.5	9.53
34.93*63.5*12.7					192250		34.93	63.5	12.7
34.93*69.85*9.53		106229					34.93	69.85	9.53
34.93*73.03*7.95				105213			34.93	73.03	7.95
34.93*88.9*12.7			116329		196329		34.93	88.9	12.7
35*42*4	110594	113374	104090	101639			35	42	4
35*42*7		114874					35	42	7
35*42*8		107817					35	42	8
35*42*10		111247					35	42	10
35*43*4.5		114607					35	43	4.5

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
35*43*6	102701						35	43	6
35*43*8				115073			35	43	8
35*44*7		108206		106326			35	44	7
35*45*4		115816					35	45	4
35*45*5	110702	111600		107239		197239	35	45	5
35*45*6	101803	109121	114295		194295		35	45	6
35*45*7	100767	100219	100993				35	45	7
35*45*8		105452	114958		194958		35	45	8
35*45*10	107636	100220		109774		199774	35	45	10
35*45*12		115753					35	45	12
35*45.2*7		113065					35	45.2	7
35*46*6.5	112812						35	46	6.5
35*46*7		103564		100744			35	46	7
35*47*4.5	109303						35	47	4.5
35*47*5	102834	101615	111835		191835		35	47	5
35*47*6	108335	114079					35	47	6
35*47*7	100551	101585	101070	103062		193062	35	47	7
35*47*8	108280	109019					35	47	8
35*47*9		101866					35	47	9
35*47*10		100480	101880		191880		35	47	10
35*47*12		111627					35	47	12
35*47.6*7	110964						35	47.6	7
35*48*6		112976					35	48	6
35*48*7		100908					35	48	7
35*48*8	103854	103213	115873	107853	195873	197853	35	48	8
35*48*9	108222	110318					35	48	9
35*48*10	105564	100907		111708		191708	35	48	10
35*48*11		107842					35	48	11
35*48*12		111092					35	48	12
35*48*15		106940					35	48	15
35*49*7			107326		197326		35	49	7
35*49*8		106328					35	49	8
35*49.5*10		112353					35	49.5	10
35*50*4		115246					35	50	4
35*50*4.5			102818				35	50	4.5
35*50*5	111333	113764					35	50	5
35*50*6	110312	115652	181350				35	50	6
35*50*7	100734	103703	101350		191350		35	50	7
35*50*8	107048	101513	101426	104109			35	50	8
35*50*9		111861	101741		191741		35	50	9
35*50*9.5				107183		197183	35	50	9.5
35*50*10	100950	100435	101624	102082	191624		35	50	10
35*50*11		106907					35	50	11
35*50*12		107040	102629	105515	192629		35	50	12
35*51*8	109304	111576					35	51	8
35*51*9		109390					35	51	9

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
35*51*9.5				112277		192277	35	51	9.5
35*51*10		109196					35	51	10
35*51*12		103319					35	51	12
35*52*5		112181		111896		191896	35	52	5
35*52*6		101566		103739			35	52	6
35*52*6.5				108259		198259	35	52	6.5
35*52*7	100526	102655	102509	108353	192509	198353	35	52	7
35*52*8	103700	105453		109693		199693	35	52	8
35*52*8.8	106495		410099				35	52	8.8
35*52*9	101329	103436	111167	102430	191167		35	52	9
35*52*9.5		116412					35	52	9.5
35*52*10	100080	103048	101211	108700	191211	198700	35	52	10
35*52*11		112703					35	52	11
35*52*12	107042	101825	108657	101778	198657		35	52	12
35*52*13		116026					35	52	13
35*52*15				109086		199086	35	52	15
35*52.5*6	112355						35	52.5	6
35*53*7	380167	110667					35	53	7
35*53*8	109868						35	53	8
35*53*10		103215					35	53	10
35*54*7.5		112429					35	54	7.5
35*54*8		103818		109590		199590	35	54	8
35*54*10	101779	102387					35	54	10
35*55*5	109378						35	55	5
35*55*7	380014	104960	115317		195317		35	55	7
35*55*8	101750	112049	101113	103389			35	55	8
35*55*9		108482					35	55	9
35*55*10	100821	100612	102329	113534	192329	193534	35	55	10
35*55*11	100626	103347		103565		193565	35	55	11
35*55*12	380253	105798	101262	110252		190252	35	55	12
35*55.5*9		109740					35	55.5	9
35*56*5.8		110410					35	56	5.8
35*56*6		114037					35	56	6
35*56*7		105881					35	56	7
35*56*8	116077	105068					35	56	8
35*56*9		108518					35	56	9
35*56*10	101263	100138	101586	110297	191586		35	56	10
35*56*12	101465	106840	111307	112804	191307	192804	35	56	12
35*57*6	102983						35	57	6
35*57*7		110759		111647		191647	35	57	7
35*57*8		107723					35	57	8
35*57*9		108260		103819			35	57	9
35*57*10		103939		109124		199124	35	57	10
35*57*12				111275		191275	35	57	12
35*58*7		108860					35	58	7
35*58*7.5	102210						35	58	7.5

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
35*58*8	113907	111267		111963		191963	35	58	8
35*58*9		111598		101088			35	58	9
35*58*10	101466	100459	103733	111792	193733	191792	35	58	10
35*58*11	380251	107353					35	58	11
35*58*12	101264	102544	102228		192228		35	58	12
35*58*13			107983		197983		35	58	13
35*58*15		111815					35	58	15
35*59*12		114290					35	59	12
35*60*5	110167						35	60	5
35*60*7		111476					35	60	7
35*60*8	108617	107579					35	60	8
35*60*10	105780	104552	106770		196770		35	60	10
35*60*12		107200	105331		195331		35	60	12
35*60*15				113896		193896	35	60	15
35*62*5	107460		108699		198699		35	62	5
35*62*6		107178					35	62	6
35*62*7	100621	107192	100556	103190			35	62	7
35*62*8	116489	104107	109371		199371		35	62	8
35*62*9		105606					35	62	9
35*62*9.5		109340					35	62	9.5
35*62*10	101503	102545	100799	110845	190799	190845	35	62	10
35*62*12	107043	440092	101467	109275		199275	35	62	12
35*63*7	112823						35	63	7
35*64*8	112050						35	64	8
35*64*9		109631					35	64	9
35*64*10		113028					35	64	10
35*64*12		100597		103976			35	64	12
35*64*13		110586		111389		191389	35	64	13
35*65*7		111534					35	65	7
35*65*8		106336					35	65	8
35*65*9	111207						35	65	9
35*65*10	104795	103049	105137		195137		35	65	10
35*65*12		101742		100194			35	65	12
35*65*13				102549			35	65	13
35*67*7	109726						35	67	7
35*68*6	114570						35	68	6
35*68*8	112679	115655		108971		198971	35	68	8
35*68*10		101729					35	68	10
35*68*12	102633	105897					35	68	12
35*70*8		103747	110610		190610		35	70	8
35*70*10		105678		113612		193612	35	70	10
35*70*12			103264		193264		35	70	12
35*72*7	102572	101760					35	72	7
35*72*8	380016	107907					35	72	8
35*72*10	100625	101427	100624	109799		199799	35	72	10
35*72*12	103754	102882	100959	112309	190959	192309	35	72	12

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
35*74*10		110765					35	74	10
35*75*7		113024					35	75	7
35*75*8		109286					35	75	8
35*75*10		111783					35	75	10
35*75*12		116595					35	75	12
35*75*15		113061					35	75	15
35*76*9		107897					35	76	9
35*76*10		108078		107567		197567	35	76	10
35*78*8		110181					35	78	8
35*78*10		114998					35	78	10
35*79*10		111058					35	79	10
35*80*7		114896	116574	108195	196574	198195	35	80	7
35*80*8		101494					35	80	8
35*80*10	106755	101689		115486		195486	35	80	10
35*80*12	102357	100999	101330	111029	191330	191029	35	80	12
35*80*13	101055	101587	102823	113556	192823	193556	35	80	13
35*82*6	110893						35	82	6
35*82*7		114912					35	82	7
35*83*12		108811					35	83	12
35*85*10				109306		199306	35	85	10
35*90*10		109097					35	90	10
35*92*12		112025					35	92	12
35*100*10		115551					35	100	10
35*100*12	116046	116430					35	100	12
35.53*58.22*11.7			410071				35.53	58.22	11.7
35.71*50.8*7.95		103352					35.71	50.8	7.95
35.8*68*10	101468		101469				35.8	68	10
36*42*6	114520						36	42	6
36*44*5		114124					36	44	5
36*45*6	109185						36	45	6
36*46*4		111311					36	46	4
36*46*6	116269	111442					36	46	6
36*46*8		115197					36	46	8
36*46*9			102845	112211		192211	36	46	9
36*47*7	101225	101897	101996				36	47	7
36*48*7		113066					36	48	7
36*48*8	113218						36	48	8
36*48*10	380192	107667					36	48	10
36*48*12	112265						36	48	12
36*49*9		112571					36	49	9
36*50*6		110123					36	50	6
36*50*7	100327	104155		104026		194026	36	50	7
36*50*8		105882					36	50	8
36*50*9		111071					36	50	9
36*50*10	107648	115128					36	50	10
36*50.8*8				106690			36	50.8	8

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
36*51*8		110253					36	51	8
36*52*5	109167						36	52	5
36*52*6.3		112092					36	52	6.3
36*52*6.5	102064						36	52	6.5
36*52*7	103037	101826					36	52	7
36*52*8		106921					36	52	8
36*52*9		106844		108837		198837	36	52	9
36*52*10		107509		112699		192699	36	52	10
36*53*7	102183						36	53	7
36*53*9		107715					36	53	9
36*54*6.5	102440						36	54	6.5
36*54*7	102119	103102					36	54	7
36*54*7.4			106577				36	54	7.4
36*54*7.5		100514					36	54	7.5
36*54*8	103827	103960					36	54	8
36*54*10	101265	107119	101470				36	54	10
36*54*11		105416					36	54	11
36*55*7		108715		110260			36	55	7
36*55*10		108041		108487		198487	36	55	10
36*55*11				114003		194003	36	55	11
36*55*12		115820		110151		190151	36	55	12
36*56*6	110914						36	56	6
36*56*7	111848						36	56	7
36*56*8		113382					36	56	8
36*56*9		108519		114760		194760	36	56	9
36*56*10	105991		110086		190086		36	56	10
36*57*7		114918					36	57	7
36*57*10		111860					36	57	10
36*57.15*6.35				102428			36	57.15	6.35
36*58*8		102024					36	58	8
36*58*10	102864	104796					36	58	10
36*58*12	101428	107754					36	58	12
36*60*7		103748					36	60	7
36*60*8		114473					36	60	8
36*60*10		107955		108946		198946	36	60	10
36*61*12				109897		199897	36	61	12
36*62*7	105615	106845					36	62	7
36*62*10		105415	102151		192151		36	62	10
36*62*12	114571						36	62	12
36*65*7		111672					36	65	7
36*65*10		104850					36	65	10
36*65*12	109677						36	65	12
36*68*10		100693	111072	114899	191072	194899	36	68	10
36*68*12				101971			36	68	12
36*75*12	110612						36	75	12
36*83*12	106412						36	83	12

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
36.07*53.98*10.87						410364	36.07	53.98	10.87
36.5*80*10		110188					36.5	80	10
36.51*63.5*12.7	102083						36.51	63.5	12.7
36.52*63.6*12.7		440114					36.52	63.6	12.7
36.53*47.63*6.35		111925					36.53	47.63	6.35
36.53*50.8*6.35		106318					36.53	50.8	6.35
36.53*50.8*7.95		103996		109244		199244	36.53	50.8	7.95
36.53*50.8*9.53	108759						36.53	50.8	9.53
36.53*51.99*7.95		105597					36.53	51.99	7.95
36.53*52.4*7.95		105505					36.53	52.4	7.95
36.53*53.98*6.35	108795						36.53	53.98	6.35
36.53*53.98*7.95				106647			36.53	53.98	7.95
36.53*53.98*9.53				109689		199689	36.53	53.98	9.53
36.53*54.38*7.95						190486	36.53	54.38	7.95
36.53*55.58*12.7	110201						36.53	55.58	12.7
36.53*57.15*7.95			108308	108309	198308	198309	36.53	57.15	7.95
36.53*57.15*9.53		104949		110420		190420	36.53	57.15	9.53
36.53*58.75*6.35		113779					36.53	58.75	6.35
36.53*58.75*9.53				114954		194954	36.53	58.75	9.53
36.53*59.13*6.35		115392					36.53	59.13	6.35
36.53*60.33*7.95				109783		199783	36.53	60.33	7.95
36.53*60.33*12.7				110339		190339	36.53	60.33	12.7
36.53*61.93*7.95			115623		195623		36.53	61.93	7.95
36.53*69.85*7.95		109316					36.53	69.85	7.95
36.53*73.02*9.53				115492		195492	36.53	73.02	9.53
36.58*54.16*7.94				110486			36.58	54.16	7.94
36.7*76.2*9.53				115194		195194	36.7	76.2	9.53
37*43*8				113523			37	43	8
37*45*10		111349					37	45	10
37*47*7		109387					37	47	7
37*47*9		103973					37	47	9
37*47*10		109544					37	47	10
37*47.5*5.2		102931					37	47.5	5.2
37*48*5	112928						37	48	5
37*48*6		108926					37	48	6
37*50*7		107658					37	50	7
37*50*10	110606						37	50	10
37*51*8				111474		191474	37	51	8
37*52*7		107230					37	52	7
37*52*8	101838	106473	108931		198931		37	52	8
37*52*10		106692					37	52	10
37*52*12		108249					37	52	12
37*53*7		106922					37	53	7
37*54*11			116197		196197		37	54	11
37*55*7	116235						37	55	7
37*55*8		101804					37	55	8

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
37*55*9		111719					37	55	9
37*55*11		115990					37	55	11
37*56*9				107923		197923	37	56	9
37*57*7				115797			37	57	7
37*57*9		113576					37	57	9
37*57*10		108079					37	57	10
37*58*7		107919					37	58	7
37*58*8		114103					37	58	8
37*58*13	102152	105520	115445		195445		37	58	13
37*60*10		111505					37	60	10
37*60*12				109784	380107	199784	37	60	12
37*61*10		113702					37	61	10
37*62*7		103813					37	62	7
37*62*8	440112	102790	103103		193103		37	62	8
37*62*9	106034	112856		108367		198367	37	62	9
37*62*10	108958	113067					37	62	10
37*62*11	112573						37	62	11
37*62*12	110880		115180		195180		37	62	12
37*62*14		107316		109940		199940	37	62	14
37*64*8		115953					37	64	8
37*66*7		114105					37	66	7
37*66*9.5		112147					37	66	9.5
37*70*13				108405		198405	37	70	13
37*72*7		108032					37	72	7
37*72*12	110351						37	72	12
37*76*10		115798					37	76	10
37*80*12	103105						37	80	12
37*80*13			101157		191157		37	80	13
37.31*47*10			103155				37.31	47	10
37.31*60.33*7.95			115643		195643		37.31	60.33	7.95
37.31*60.33*9.53				115628		195628	37.31	60.33	9.53
37.46*65.05*9.53		100236					37.46	65.05	9.53
38*44*8		113485					38	44	8
38*45*5	115464						38	45	5
38*45*7				114714			38	45	7
38*45*8		114992					38	45	8
38*45*10			114959		194959		38	45	10
38*47*5		115008					38	47	5
38*47*7		106498					38	47	7
38*47*8		115772					38	47	8
38*47*10		103491	401265				38	47	10
38*48*6	116300	108802					38	48	6
38*48*7		107632					38	48	7
38*48*8		111862					38	48	8
38*48*10		106965					38	48	10
38*49.2*9				104669			38	49.2	9

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
38*50*7	104972	101089	102390	113238	192390	193238	38	50	7
38*50*8		102606	115408		195408		38	50	8
38*50*10		101519					38	50	10
38*50*11		110437					38	50	11
38*50*12		112394					38	50	12
38*50.8*8				102273			38	50.8	8
38*51*7		104187					38	51	7
38*51*7.4		111271					38	51	7.4
38*52*6		106824		100188			38	52	6
38*52*7	100580	100262	107080	104046	197080	194046	38	52	7
38*52*8	100560	100595		184046			38	52	8
38*52*8.5		103840					38	52	8.5
38*52*9		107231					38	52	9
38*52*10	101385	100436	101266	110756	191266		38	52	10
38*53*8		103828	107137		197137		38	53	8
38*53*10		109768					38	53	10
38*54*5	107764	115496					38	54	5
38*54*6.5	100506			112215		192215	38	54	6.5
38*54*7		103841					38	54	7
38*54*10	104337	100707	116288		196288		38	54	10
38*54*11				109565		199565	38	54	11
38*54*13		113833					38	54	13
38*55*6	109600						38	55	6
38*55*7	100639	101827	103588				38	55	7
38*55*8	103498	106272	106627				38	55	8
38*55*9		113664	106245		196245		38	55	9
38*55*10	104309	100482	102441		192441		38	55	10
38*55*12		111455	110809		190809		38	55	12
38*55.5*8				110757			38	55.5	8
38*55.5*9			102951	109191			38	55.5	9
38*56*7		107835		113524			38	56	7
38*56*9		112109					38	56	9
38*56*10	101267	101165	101429		191429		38	56	10
38*56*12	108332	109148	111123		191123		38	56	12
38*57*7		109397					38	57	7
38*57*8		109475					38	57	8
38*57*9		104188	107621		197621		38	57	9
38*57*10	108905			108402		198402	38	57	10
38*58*5	110491						38	58	5
38*58*7		108044					38	58	7
38*58*8	111520	105454		100038		190038	38	58	8
38*58*9		114031					38	58	9
38*58*10	101386	100142	101471	110214			38	58	10
38*58*11	101780	104276		100064		190064	38	58	11
38*58*12			103536		193536		38	58	12
38*59*8		111321					38	59	8

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
38*60*7		105883					38	60	7
38*60*8		102605					38	60	8
38*60*10		102665	102837	108440	192837	198440	38	60	10
38*60*12	102027						38	60	12
38*62*6		114466					38	62	6
38*62*7	104302	104301	102968	109656		199656	38	62	7
38*62*8	116460	107290	114596		194596		38	62	8
38*62*9		110700					38	62	9
38*62*10	104310	400594	102330	109651	192330	199651	38	62	10
38*62*11		401351					38	62	11
38*62*12	102331	101828	101430		191430		38	62	12
38*62*14		102917					38	62	14
38*63*9		109385					38	63	9
38*64*10		100599					38	64	10
38*64*12	103647						38	64	12
38*65*8	105396	103785	114670		194670		38	65	8
38*65*9		113226		106772			38	65	9
38*65*10		103517	105847	102147	195847		38	65	10
38*65*12				109591		199591	38	65	12
38*68*8		103910					38	68	8
38*68*10	105814	100878					38	68	10
38*68*12		103390		102973			38	68	12
38*70*7		115155					38	70	7
38*70*10		103913		108379		198379	38	70	10
38*70*12		109990		111391		191391	38	70	12
38*72*8		107160					38	72	8
38*72*10	101357	401424	107930		197930		38	72	10
38*72*11		102984					38	72	11
38*72*12		108168	101704		191704		38	72	12
38*74*8		103829					38	74	8
38*74*10		102008					38	74	10
38*74*11		103518					38	74	11
38*75*5	115267						38	75	5
38*75*10		107077					38	75	10
38*80*8		115690					38	80	8
38*80*10	101520	102752					38	80	10
38*80*12	110074						38	80	12
38*90*8		107226					38	90	8
38.1*47.63*4.78	111948	114987	111107	108272	191107	198272	38.1	47.63	4.78
38.1*47.63*6.35	111396	114082		107786		197786	38.1	47.63	6.35
38.1*47.63*9.53	109464						38.1	47.63	9.53
38.1*49.23*6.35				115446		195446	38.1	49.23	6.35
38.1*50.29*7		114484					38.1	50.29	7
38.1*50.8*6.35	430053	105926	101331	108642		198642	38.1	50.8	6.35
38.1*50.8*7.95		110143		107918		197918	38.1	50.8	7.95
38.1*50.8*9.53	109486						38.1	50.8	9.53

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
38.1*50.8*12.7	111737						38.1	50.8	12.7
38.1*52.4*6.35	380095	108696		112708		192708	38.1	52.4	6.35
38.1*52.4*7.95		106470					38.1	52.4	7.95
38.1*52.4*9.53	112540			113144		193144	38.1	52.4	9.53
38.1*52.4*11.13	104041						38.1	52.4	11.13
38.1*53.97*9.53	380148	109807					38.1	53.97	9.53
38.1*53.97*11.13				109684		199684	38.1	53.97	11.13
38.1*53.98*7.93				440131			38.1	53.98	7.93
38.1*53.98*7.95		110326					38.1	53.98	7.95
38.1*55.56*9.52	103511						38.1	55.56	9.52
38.1*55.58*7.95	110246						38.1	55.58	7.95
38.1*57.15*6.35	101576						38.1	57.15	6.35
38.1*57.15*7.95	109492	111135		110193		190193	38.1	57.15	7.95
38.1*57.15*9.52		102413		107896		197896	38.1	57.15	9.52
38.1*57.15*12.7	101431						38.1	57.15	12.7
38.1*57.2*12.7			101930		191930		38.1	57.2	12.7
38.1*59.13*9.53		113844		109890		199890	38.1	59.13	9.53
38.1*60.32*9.52	102824	102414					38.1	60.32	9.52
38.1*60.33*6.35				110149		190149	38.1	60.33	6.35
38.1*60.33*7.95				108712		198712	38.1	60.33	7.95
38.1*60.33*9.53				111821		191821	38.1	60.33	9.53
38.1*60.33*12.7	116285			104880		194880	38.1	60.33	12.7
38.1*61.93*9.53	109257	114776					38.1	61.93	9.53
38.1*63.5*6.35	109621						38.1	63.5	6.35
38.1*63.5*7.14			107380		197380		38.1	63.5	7.14
38.1*63.5*7.95	108306	114726		109193			38.1	63.5	7.95
38.1*63.5*9.53		104078		101174			38.1	63.5	9.53
38.1*63.5*11.13				107103		197103	38.1	63.5	11.13
38.1*63.5*12.7		100149	102918	107098		197098	38.1	63.5	12.7
38.1*63.55*7.95			101147				38.1	63.55	7.95
38.1*65.05*12.7			106252		196252		38.1	65.05	12.7
38.1*65.1*12.7	109727						38.1	65.1	12.7
38.1*66.68*9.53		111044					38.1	66.68	9.53
38.1*66.68*12.7		108166					38.1	66.68	12.7
38.1*68.28*12.7				108602		198602	38.1	68.28	12.7
38.1*68.66*11.89				103622			38.1	68.66	11.89
38.1*69.85*7.95			115541		195541		38.1	69.85	7.95
38.1*69.85*9.53		106230					38.1	69.85	9.53
38.1*69.85*12.7		109466					38.1	69.85	12.7
38.1*70*12.7			106253		196253		38.1	70	12.7
38.1*72*7.95			100739				38.1	72	7.95
38.1*73.02*9.53		115288		110031		190031	38.1	73.02	9.53
38.1*76.2*9.53	380101	114051		103626			38.1	76.2	9.53
38.89*53.19*7.95		113791					38.89	53.19	7.95
38.89*60.33*9.53			112164		192164		38.89	60.33	9.53
39*50*9				102429			39	50	9

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
39*50.5*7				104329			39	50.5	7
39*50.5*8.5		111660					39	50.5	8.5
39*50.55*8.5				104918			39	50.55	8.5
39*51*7.5	101837	115076					39	51	7.5
39*52*5	112090						39	52	5
39*52*7				108203		198203	39	52	7
39*52*8	109118						39	52	8
39*52*10		106847					39	52	10
39*54*9.5				112321		192321	39	54	9.5
39*54*10.5				109352		199352	39	54	10.5
39*55.5*9	102730						39	55.5	9
39*56*7		109556					39	56	7
39*58*6		115241					39	58	6
39*60*8		109643					39	60	8
39*60*10				107317		197317	39	60	10
39*62*7	111189						39	62	7
39*62*11				106443			39	62	11
39*64*9		109945					39	64	9
39*65*8		109058					39	65	8
39*65*9	109694						39	65	9
39.3*68*10	102128						39.3	68	10
39.5*52*8		116401					39.5	52	8
39.5*60*10		103519					39.5	60	10
39.68*63.5*7.95	108390						39.68	63.5	7.95
39.68*63.5*9.52	101212						39.68	63.5	9.52
39.68*63.5*12.7		102825					39.68	63.5	12.7
39.68*68.26*9.52	101387	107220					39.68	68.26	9.52
39.7*52.4*6.35				113262		193262	39.7	52.4	6.35
39.7*52.4*6.5			410033				39.7	52.4	6.5
39.7*53.97*6.35		113707					39.7	53.97	6.35
39.7*53.97*7.95			101876				39.7	53.97	7.95
39.7*53.97*9.53		115173		114472		194472	39.7	53.97	9.53
39.7*53.98*7.95	115058						39.7	53.98	7.95
39.7*55.58*7.95	111088						39.7	55.58	7.95
39.7*57.15*7.95	108460			103624			39.7	57.15	7.95
39.7*57.15*9.53	108441			110460		190460	39.7	57.15	9.53
39.7*57.15*10		100140					39.7	57.15	10
39.7*58.75*7.95		103285					39.7	58.75	7.95
39.7*58.75*9.52		410008					39.7	58.75	9.52
39.7*58.75*9.53		109576					39.7	58.75	9.53
39.7*58.75*11.13				115561		195561	39.7	58.75	11.13
39.7*60.33*7.95		115651		111875		191875	39.7	60.33	7.95
39.7*60.33*9.53		104950		114797		194797	39.7	60.33	9.53
39.7*60.33*12.7				108094	380114	198094	39.7	60.33	12.7
39.7*61.93*7.95			114507		194507		39.7	61.93	7.95
39.7*61.93*11.91				114606		194606	39.7	61.93	11.91

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
39.7*62*6.35			106073				39.7	62	6.35
39.7*63.5*7.95		114728					39.7	63.5	7.95
39.7*63.5*9.53	109581	115079					39.7	63.5	9.53
39.7*63.5*12.7	108181				410200		39.7	63.5	12.7
39.7*66.68*9.53		108515		114004		194004	39.7	66.68	9.53
39.7*66.68*11.13				107945		197945	39.7	66.68	11.13
39.7*68.28*9.53		105253					39.7	68.28	9.53
39.7*68.28*11.13				108319		198319	39.7	68.28	11.13
39.7*69.85*9.53	109472						39.7	69.85	9.53
39.7*76.2*9.53		115290					39.7	76.2	9.53
40*47*4		108872	104091	109713			40	47	4
40*47*10				115075			40	47	10
40*48*4		112515					40	48	4
40*48*5		111720					40	48	5
40*48*6.3	105227						40	48	6.3
40*48*8	102184						40	48	8
40*49*6				100873			40	49	6
40*49*10	114521						40	49	10
40*49.6*6.5				110258			40	49.6	6.5
40*50*4	105972	110690	115444		195444		40	50	4
40*50*5		108634					40	50	5
40*50*6				116166		196166	40	50	6
40*50*6.5		107001					40	50	6.5
40*50*7		101966					40	50	7
40*50*8	380284	101090					40	50	8
40*50*9	110605						40	50	9
40*50*10		105536					40	50	10
40*51*6		109473					40	51	6
40*52*4	111980						40	52	4
40*52*4.5			102819				40	52	4.5
40*52*5	105821	107696					40	52	5
40*52*6	106105	400233					40	52	6
40*52*7	100585	106312	100083	400018			40	52	7
40*52*8	107049	104639	105959	114193		194193	40	52	8
40*52*9		106825					40	52	9
40*52*10		104130		108183		198183	40	52	10
40*53*6.5		113921					40	53	6.5
40*53*7		111721		100596			40	53	7
40*53*8		106330		114126			40	53	8
40*53*8.5		109944					40	53	8.5
40*54*5		105656		110925			40	54	5
40*54*5.5		400085		410068			40	54	5.5
40*54*7		104104		100889			40	54	7
40*54*8		107942		100417			40	54	8
40*54*10		108299					40	54	10
40*55*5		113824					40	55	5

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
40*55*6		112844		109027		199027	40	55	6
40*55*6.5	104818						40	55	6.5
40*55*7	100570	104572		100750			40	55	7
40*55*8	100894	102157	107285	410038	197285		40	55	8
40*55*9	103260	113694	102816	401271	192816		40	55	9
40*55*10	102817	101643	102204	107920	192204	197920	40	55	10
40*55*12		107441	101332	109020		199020	40	55	12
40*56*6		108873					40	56	6
40*56*7	101472	100694	101432	100139			40	56	7
40*56*8	101375	104023		100656			40	56	8
40*56*9	105105						40	56	9
40*56*10		400227	102332	111682	192332	191682	40	56	10
40*56*12	101829	111317					40	56	12
40*57*4.5	111797						40	57	4.5
40*57*7		110411					40	57	7
40*57*8		113770					40	57	8
40*57*10		103914					40	57	10
40*57.15*10	101268	107499	101473	112993			40	57.15	10
40*58*4.5		116403					40	58	4.5
40*58*6.5		115974					40	58	6.5
40*58*7	107708			115675		195675	40	58	7
40*58*8	103684	104674		110786		190786	40	58	8
40*58*8.5		112753					40	58	8.5
40*58*9	104797	103148	104687		194687		40	58	9
40*58*10	105803	100095	102690		192690		40	58	10
40*58*12		107232		410108			40	58	12
40*58*15		111148					40	58	15
40*59*5.5				114125			40	59	5.5
40*59*9.5		106850					40	59	9.5
40*60*5		115821					40	60	5
40*60*7	105638	107508		111751			40	60	7
40*60*8	107032	106155					40	60	8
40*60*9		108526					40	60	9
40*60*10	100282	103050	101269	100665	191269	190665	40	60	10
40*60*12	101270	101271	103628	111653	193628	191653	40	60	12
40*61*8		115528					40	61	8
40*61*12		114614					40	61	12
40*62*5	116203	107423					40	62	5
40*62*6		114625	110551				40	62	6
40*62*7	100731	100147	100618	113934		193934	40	62	7
40*62*8	100769	105163	106191	107439	196191	197439	40	62	8
40*62*9		105455	101881		191881		40	62	9
40*62*10	100542	100191	101705	102333	191705	192333	40	62	10
40*62*11	116510	105129		104892		194892	40	62	11
40*62*11.5	108636						40	62	11.5
40*62*12	116189	100550	102480	101508	192480	191508	40	62	12

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
40*62*14		102334					40	62	14
40*63*6	111045						40	63	6
40*63*7		103648					40	63	7
40*63*8		116517					40	63	8
40*63*10	105721						40	63	10
40*63.65*10		100684					40	63.65	10
40*64*7				115057		195057	40	64	7
40*64*8		115872					40	64	8
40*64*10		105677					40	64	10
40*64*12		100598					40	64	12
40*65*6		110345					40	65	6
40*65*7	380061	102400					40	65	7
40*65*8		107202					40	65	8
40*65*9	106693	111246	101655				40	65	9
40*65*10	100062	100096	102402	110037		190037	40	65	10
40*65*12	380262	103051	103344	105056	193344	195056	40	65	12
40*65*13		110081					40	65	13
40*66*7		113645					40	66	7
40*66*10		109061					40	66	10
40*66*11		111722					40	66	11
40*67*7		111261					40	67	7
40*67*8		108903	111162				40	67	8
40*67*10		105831	110236		190236		40	67	10
40*68*6		106746					40	68	6
40*68*7	116319	103707	101656				40	68	7
40*68*8	116171	108382					40	68	8
40*68*10	103685	101697	101388	112058	191388	192058	40	68	10
40*68*11		110475					40	68	11
40*68*12		105244		109593		199593	40	68	12
40*69*9		109553					40	69	9
40*70*8	106953	103139					40	70	8
40*70*10	105722	106538	103591	115443	193591	195443	40	70	10
40*70*12		106546		102932		192932	40	70	12
40*72*7	101546	104225	101351				40	72	7
40*72*8		105112					40	72	8
40*72*9		105710	102112		192112		40	72	9
40*72*10	100237	103140	102335	102883	192335	192883	40	72	10
40*72*12	400976	101091	101110		191110		40	72	12
40*74*10		109437					40	74	10
40*75*5		114859					40	75	5
40*75*7	107674						40	75	7
40*75*8		111530					40	75	8
40*75*10		105836					40	75	10
40*75*12		102546					40	75	12
40*76*9		106742					40	76	9
40*78*8		103890					40	78	8

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
40*78*10	104287						40	78	10
40*80*7		102510					40	80	7
40*80*8	100929	106661					40	80	8
40*80*10	100627	106898	101433	106101	191433		40	80	10
40*80*12		102399	107351		197351		40	80	12
40*80*13	105513	103925	103401		193401		40	80	13
40*82*12		112962					40	82	12
40*85*10	100960	107979		108046		198046	40	85	10
40*85*11				107389		197389	40	85	11
40*85*12		114829		111959		191959	40	85	12
40*88*6	109422						40	88	6
40*88*10				114029		194029	40	88	10
40*90*8	101012	107161					40	90	8
40*90*9		109537	113650		193650		40	90	9
40*90*10	105723	106102					40	90	10
40*90*12	105378	102238	103924		193924		40	90	12
40*95*10	110444						40	95	10
40*100*10		115359					40	100	10
40*100*13		110426					40	100	13
40.49*61.93*11.91				114338		194338	40.49	61.93	11.91
40.49*70.05*7.95			101148				40.49	70.05	7.95
40.87*60.73*9.52		101728					40.87	60.73	9.52
41*50.8*6				100781			41	50.8	6
41*51*6	114035						41	51	6
41*52*7		108116		108117			41	52	7
41*52*8	103699						41	52	8
41*52*10	115162						41	52	10
41*53*7		107782	100416	103560		193560	41	53	7
41*53*8		108727					41	53	8
41*54*7		109927					41	54	7
41*54*12				106492		196492	41	54	12
41*55*6				100501			41	55	6
41*55*7		110423		103440			41	55	7
41*55*8.5	108908						41	55	8.5
41*55*9		400089		103734			41	55	9
41*55.7*9		105065					41	55.7	9
41*56*6		115983					41	56	6
41*56*7	104206	104245	105216	101644			41	56	7
41*56*8		112267					41	56	8
41*56*9				111960		191960	41	56	9
41*56*10	101213	110422					41	56	10
41*60*10				115544		195544	41	60	10
41*61*9				100549			41	61	9
41*61*10		111280					41	61	10
41*62*10		115725					41	62	10
41*63*6	109914						41	63	6

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
41*64*10		103940					41	64	10
41*64.5*12		112825					41	64.5	12
41*65*6				103797			41	65	6
41*65*9			109723		199723		41	65	9
41.27*50.8*7				100876			41.27	50.8	7
41.27*52.38*6.98			101553				41.27	52.38	6.98
41.27*55.56*9.52	101743						41.27	55.56	9.52
41.27*57.15*9.52			102090				41.27	57.15	9.52
41.27*61.91*9.52			103870				41.27	61.91	9.52
41.27*61.91*12.7	102044						41.27	61.91	12.7
41.27*63.5*7.93	103310						41.27	63.5	7.93
41.27*66.67*12.7	101792						41.27	66.67	12.7
41.27*66.68*9.52	101358						41.27	66.68	9.52
41.27*73.02*7.93	103165						41.27	73.02	7.93
41.27*73.02*12.7	101907						41.27	73.02	12.7
41.28*50.8*6.35	111901			108381		198381	41.28	50.8	6.35
41.28*50.8*9.53	109326						41.28	50.8	9.53
41.28*50.8*12.7		112464					41.28	50.8	12.7
41.28*53.97*6.35	430675	114988					41.28	53.97	6.35
41.28*53.97*7.95		113519					41.28	53.97	7.95
41.28*53.98*6.35				115447		195447	41.28	53.98	6.35
41.28*53.98*9.53		105140					41.28	53.98	9.53
41.28*57.15*6.35		108705					41.28	57.15	6.35
41.28*57.15*7.95		114929		108910		198910	41.28	57.15	7.95
41.28*57.15*9.53	108312	109200					41.28	57.15	9.53
41.28*58.75*11.13			114341		194341		41.28	58.75	11.13
41.28*60.33*6.35				112740		192740	41.28	60.33	6.35
41.28*60.33*7.95	110062			101149			41.28	60.33	7.95
41.28*60.33*9.53		104585	107367	114617	197367	194617	41.28	60.33	9.53
41.28*60.33*12.7	109673			109085		199085	41.28	60.33	12.7
41.28*61.93*7.95				113904		193904	41.28	61.93	7.95
41.28*61.93*9.53		115550		108912		198912	41.28	61.93	9.53
41.28*61.93*11.13				109568		199568	41.28	61.93	11.13
41.28*61.93*12.7		104777					41.28	61.93	12.7
41.28*63.5*6.35		109499					41.28	63.5	6.35
41.28*63.5*9.53	103857	109105		108458		198458	41.28	63.5	9.53
41.28*63.5*12.7		104579	101618		191618		41.28	63.5	12.7
41.28*63.55*7.95				101150			41.28	63.55	7.95
41.28*65.1*7.95				113868		193868	41.28	65.1	7.95
41.28*65.1*9.53	380019	108525					41.28	65.1	9.53
41.28*66.68*7.95				106637			41.28	66.68	7.95
41.28*66.68*9.53		105335					41.28	66.68	9.53
41.28*66.68*12.7				114860		194860	41.28	66.68	12.7
41.28*69.85*6.35				107563		197563	41.28	69.85	6.35
41.28*69.85*7.95			116184	110836	380234	190836	41.28	69.85	7.95
41.28*69.85*9.53		112565					41.28	69.85	9.53

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
41.28*69.85*12.7	108639						41.28	69.85	12.7
41.28*73.02*9.53		115311		111650		191650	41.28	73.02	9.53
41.28*73.43*10		113747					41.28	73.43	10
41.28*76.2*6.35		111665					41.28	76.2	6.35
41.28*76.2*9.53		115909		113666		193666	41.28	76.2	9.53
41.28*76.2*12.7				108514		198514	41.28	76.2	12.7
41.7*55*7		115557					41.7	55	7
41.7*55*10		108454					41.7	55	10
41.75*49.23*6.35				102259			41.75	49.23	6.35
41.75*57.15*10		100141					41.75	57.15	10
42*50*5				108114			42	50	5
42*50*6		108661					42	50	6
42*50*7	108223	113943					42	50	7
42*50*8		113294		112992			42	50	8
42*52*4		102189					42	52	4
42*52*5	109933	114735					42	52	5
42*52*6		108300					42	52	6
42*52*7		102753					42	52	7
42*52*8	110281	111644	112774		192774		42	52	8
42*52*9		113487					42	52	9
42*52*10		106743	109507		199507		42	52	10
42*53*7		107760		103596			42	53	7
42*53*7.5				110424			42	53	7.5
42*53*8				106331			42	53	8
42*54*5		109338					42	54	5
42*54*6		115507					42	54	6
42*54*7		111806		100745			42	54	7
42*54*7.5				107541		197541	42	54	7.5
42*54*10		114919					42	54	10
42*55*4	113773						42	55	4
42*55*5		110949					42	55	5
42*55*6		109855		105301			42	55	6
42*55*7	103085	101688	101521	104152	193079		42	55	7
42*55*8	100339	105456	103084				42	55	8
42*55*9		102358	102144	100649			42	55	9
42*55*10		103974		112421		192421	42	55	10
42*56*5	109589						42	56	5
42*56*6	110521						42	56	6
42*56*7	101389	104099	101272	101761			42	56	7
42*56*8	410049	110727	109540		199540		42	56	8
42*56*10		100190		109459		199459	42	56	10
42*57*7	112279						42	57	7
42*57*8				113933		193933	42	57	8
42*57*10		116360					42	57	10
42*57.15*10		102805	107360		197360		42	57.15	10
42*58*7	102359	101000	102336	110136		190136	42	58	7

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
42*58*8		110719					42	58	8
42*58*10	106799	101969	114652		194652		42	58	10
42*58*12	108801						42	58	12
42*58*13		107406					42	58	13
42*60*5		111786					42	60	5
42*60*7		104175		113352		193352	42	60	7
42*60*8	108863	106562		107377		197377	42	60	8
42*60*9		105032		111619		191619	42	60	9
42*60*10	440109	103014	102634		192634		42	60	10
42*60*12	101273	111425		108285		198285	42	60	12
42*60*14	116484						42	60	14
42*62*5		112978					42	62	5
42*62*6	105583						42	62	6
42*62*7	103879	100148	105330	106494			42	62	7
42*62*8	102076	102791	101908	115813		195813	42	62	8
42*62*9		109272					42	62	9
42*62*10	101131	100192	104690	103119		193119	42	62	10
42*62*12		100788	101434	101092	191434	191092	42	62	12
42*63*7		108814					42	63	7
42*64*7		106266					42	64	7
42*64*10		100747		112370		192370	42	64	10
42*64*13		107407					42	64	13
42*65*7		110261					42	65	7
42*65*8	102229	106679					42	65	8
42*65*9		105064					42	65	9
42*65*10	104018	100150	102565	108820	192565		42	65	10
42*65*12	380166	105063	104562	113237	194562	193237	42	65	12
42*66*7				114106		194106	42	66	7
42*66*8		105009		108643		198643	42	66	8
42*66*10		105884					42	66	10
42*67*10		100909					42	67	10
42*67*12		108882					42	67	12
42*68*8		103950					42	68	8
42*68*10	105340	100399					42	68	10
42*68*11	101390						42	68	11
42*68*12		109062					42	68	12
42*69*10	109711						42	69	10
42*70*8		109947					42	70	8
42*70*10	116332	103198					42	70	10
42*70*12		106826					42	70	12
42*72*6		109930					42	72	6
42*72*7	102488	104941		113927		193927	42	72	7
42*72*8	104798	103141					42	72	8
42*72*9		111655		105060			42	72	9
42*72*10	102239	103076	109596	103582	199596	193582	42	72	10
42*72*12		103583	101274		191274		42	72	12

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
42*72.5*10		104760					42	72.5	10
42*73*13				113160		193160	42	73	13
42*74*10		116338					42	74	10
42*75*8				112340		192340	42	75	8
42*75*10		107836					42	75	10
42*75*12		103521					42	75	12
42*76*10		115360					42	76	10
42*76*12		109946					42	76	12
42*78*10		114127					42	78	10
42*80*8		103891					42	80	8
42*80*10	104288						42	80	10
42*80*13			105621		195621		42	80	13
42*81*13	103305						42	81	13
42*85*8	110362	110722					42	85	8
42*92*13				115209		195209	42	92	13
42.06*66.68*9.53		114585		106060			42.06	66.68	9.53
42.06*68.28*9.53			113917		193917		42.06	68.28	9.53
42.06*68.28*12.7	109688						42.06	68.28	12.7
42.87*69.85*9.53				111352		191352	42.87	69.85	9.53
42.88*55.58*4.78	109089		108549				42.88	55.58	4.78
42.88*57.15*7.93	105220						42.88	57.15	7.93
42.88*59.13*9.53		115098					42.88	59.13	9.53
42.88*59.13*12.7				110296			42.88	59.13	12.7
42.88*60.33*9.53				113521		193521	42.88	60.33	9.53
42.88*61.93*7.95				106650			42.88	61.93	7.95
42.88*63.5*9.53		104951		110395		190395	42.88	63.5	9.53
42.88*63.5*12.7	109072			116064		196064	42.88	63.5	12.7
42.88*66.68*9.53				113544		193544	42.88	66.68	9.53
42.88*66.68*12.7				109741		199741	42.88	66.68	12.7
42.88*68.28*12.7	110202						42.88	68.28	12.7
42.88*69.85*12.7		108618					42.88	69.85	12.7
43*53*5	104151						43	53	5
43*53.57*9.53		109427					43	53.57	9.53
43*54*6				105436		195436	43	54	6
43*54*7		109559					43	54	7
43*54*7.5	109724			102865			43	54	7.5
43*55*7		106041					43	55	7
43*55*7.5				114128			43	55	7.5
43*55*8		103786					43	55	8
43*55*10		107510					43	55	10
43*55*10.5		108490					43	55	10.5
43*58*7		108271					43	58	7
43*58*8		109517					43	58	8
43*58*12		115784					43	58	12
43*58*13.5	107513		110884		190884		43	58	13.5
43*59*8		110488					43	59	8

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
43*59*10		112432					43	59	10
43*60*6.5				110559		190559	43	60	6.5
43*60*8				110329		190329	43	60	8
43*60*10	101359	106202		115419		195419	43	60	10
43*60*12			116357		196357		43	60	12
43*60*15		107864					43	60	15
43*61*9				112491		192491	43	61	9
43*62*8		108614					43	62	8
43*62*10		109057		107969		197969	43	62	10
43*62*12		108034					43	62	12
43*63*8	102185						43	63	8
43*63*12		113819					43	63	12
43*64*12		109098					43	64	12
43*65*8	116242	103830					43	65	8
43*65*10	107522	110049		114357		194357	43	65	10
43*65*13	116456	108174					43	65	13
43*66*10		107638					43	66	10
43*68*8		115184					43	68	8
43*68*11				113741		193741	43	68	11
43*68*12				110670		190670	43	68	12
43*70*10		109763		107468		197468	43	70	10
43*70*12				109498		199498	43	70	12
43*70*13				108443		198443	43	70	13
43*72*10				110019		190019	43	72	10
43*72*12				111503		191503	43	72	12
43*73*10		111394					43	73	10
43*75*8		111649					43	75	8
43*75*10	102160	114492		110844		190844	43	75	10
43*75*12				109309		199309	43	75	12
43*80*10	107915						43	80	10
43*92*10				111512		191512	43	92	10
43.26*78.33*12.7				410032			43.26	78.33	12.7
43.5*56*7		114486					43.5	56	7
43.5*65*7		114485					43.5	65	7
43.66*60.33*9.53		106447					43.66	60.33	9.53
43.66*63.5*7.95				112297		192297	43.66	63.5	7.95
44*54*4.5	109007						44	54	4.5
44*54*6		106332					44	54	6
44*54*7		115456					44	54	7
44*54*7.5		106446					44	54	7.5
44*55*7		108883					44	55	7
44*56*7			110060		190060		44	56	7
44*58*7			109153		199153		44	58	7
44*58*8		108180					44	58	8
44*58*9		109174					44	58	9
44*58*10	114761						44	58	10

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
44*58.4*10	106668						44	58.4	10
44*60*7		103534		110311		190311	44	60	7
44*60*8	108833						44	60	8
44*60*9		102833					44	60	9
44*60*10	101275	101992	105846		195846		44	60	10
44*60*12		112547					44	60	12
44*61*8		112168					44	61	8
44*62*5		116523					44	62	5
44*62*7		106669	103963				44	62	7
44*62*8		103036	102427				44	62	8
44*62*9		109979					44	62	9
44*62*10	116320	105683		111683		191683	44	62	10
44*62*11.5		112602					44	62	11.5
44*62*12		107393	106246		196246		44	62	12
44*63*7				100254			44	63	7
44*64*8				109084		199084	44	64	8
44*64*9		106333					44	64	9
44*65*8	380020	106924					44	65	8
44*65*10	105180	104707		111458		191458	44	65	10
44*65*11		104670					44	65	11
44*66*13	112248						44	66	13
44*67*10		114936					44	67	10
44*68*6	103553						44	68	6
44*68*8		112499					44	68	8
44*68*10				113815		193815	44	68	10
44*68*12			112044		192044		44	68	12
44*68*12.8	100230						44	68	12.8
44*69*11		111262					44	69	11
44*70*8			114050		194050		44	70	8
44*70*10		115362	113828		193828		44	70	10
44*70*12			114306		194306		44	70	12
44*72*7	114202						44	72	7
44*72*8				109001		199001	44	72	8
44*72*10	100834	106343		110726		190726	44	72	10
44*72*12	108453	111544	105809		195809		44	72	12
44*73*12	110532						44	73	12
44*80*12	109159						44	80	12
44*80*13				107970		197970	44	80	13
44*90*10				109380		199380	44	90	10
44*92*10		106005		107612		197612	44	92	10
44.45*53.97*4.75		115756					44.45	53.97	4.75
44.45*53.98*4.78				104789			44.45	53.98	4.78
44.45*57.15*6.35		110402	115289				44.45	57.15	6.35
44.45*57.15*7.95	100855	105950					44.45	57.15	7.95
44.45*57.15*9.53		104987	116284		196284		44.45	57.15	9.53
44.45*57.15*11.13		113342					44.45	57.15	11.13

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
44.45*57.15*12.7	113123						44.45	57.15	12.7
44.45*58.75*6.35		109514					44.45	58.75	6.35
44.45*58.75*9.53	114381						44.45	58.75	9.53
44.45*59.13*6.35		115099					44.45	59.13	6.35
44.45*59.13*11.13			410039				44.45	59.13	11.13
44.45*60.32*7.93	101541						44.45	60.32	7.93
44.45*60.32*12.7	380221	101718					44.45	60.32	12.7
44.45*60.33*6.35	109071			112790		192790	44.45	60.33	6.35
44.45*60.33*7.95				107189			44.45	60.33	7.95
44.45*60.33*9.52		105217					44.45	60.33	9.52
44.45*60.33*9.53				107618		197618	44.45	60.33	9.53
44.45*61.93*7.95	108058	109707		103368			44.45	61.93	7.95
44.45*61.93*9.52			107455		197455		44.45	61.93	9.52
44.45*61.93*9.53		110025					44.45	61.93	9.53
44.45*63.5*6.35		109500					44.45	63.5	6.35
44.45*63.5*7.95		103993		107109			44.45	63.5	7.95
44.45*63.5*9.5				100145			44.45	63.5	9.5
44.45*63.5*9.53	100778	104122		107958		197958	44.45	63.5	9.53
44.45*63.5*12.7		104079		104881		194881	44.45	63.5	12.7
44.45*65.08*7.93	101830						44.45	65.08	7.93
44.45*65.09*7.95				110379		190379	44.45	65.09	7.95
44.45*65.1*9.53	111470						44.45	65.1	9.53
44.45*65.1*12.7				113692		193692	44.45	65.1	12.7
44.45*66.67*9.52		102566					44.45	66.67	9.52
44.45*66.68*7.95		116372		106639			44.45	66.68	7.95
44.45*66.68*9.53				110455		190455	44.45	66.68	9.53
44.45*66.68*12.7		103994		109249		199249	44.45	66.68	12.7
44.45*68.28*9.53	108531						44.45	68.28	9.53
44.45*68.28*12.7	108305	110026		108391		198391	44.45	68.28	12.7
44.45*69.06*9.53				108682		198682	44.45	69.06	9.53
44.45*69.1*12.7	101435						44.45	69.1	12.7
44.45*69.85*7.93	110153			101805			44.45	69.85	7.93
44.45*69.85*7.95		112675					44.45	69.85	7.95
44.45*69.85*9.53		104080		108901			44.45	69.85	9.53
44.45*69.85*12.7		104125	108149	109212	198149	199212	44.45	69.85	12.7
44.45*70.15*9.52				102854			44.45	70.15	9.52
44.45*71.45*9.53	111529						44.45	71.45	9.53
44.45*73.02*6.35		113015					44.45	73.02	6.35
44.45*73.02*9.53	103488	103995					44.45	73.02	9.53
44.45*73.02*12.7		107961		110500		190500	44.45	73.02	12.7
44.45*76.2*9.52	102028						44.45	76.2	9.52
44.45*76.2*9.53		109752		111466	191466		44.45	76.2	9.53
44.45*76.2*12.7	108534						44.45	76.2	12.7
44.45*77.8*12.7	111659						44.45	77.8	12.7
44.45*79.38*9.53				114180		194180	44.45	79.38	9.53
44.45*80.16*7.95			114488		194488		44.45	80.16	7.95

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
44.45*80.98*9.53		114989					44.45	80.98	9.53
44.45*80.98*11.13				110241		190241	44.45	80.98	11.13
44.45*80.98*12.7	108461	110412					44.45	80.98	12.7
44.45*84.94*9.53		105662					44.45	84.94	9.53
44.45*85.73*12.7						192110	44.45	85.73	12.7
44.5*62*10		105709					44.5	62	10
44.5*80*10	106733						44.5	80	10
44.73*100.23*9.53		104217					44.73	100.23	9.53
44.85*61.26*9.53						195580	44.85	61.26	9.53
45*52*5		111265					45	52	5
45*52*7		111898					45	52	7
45*52*8	107707	112514					45	52	8
45*53*8		112722					45	53	8
45*54*4.5	116299	108797					45	54	4.5
45*54*5.5				108080			45	54	5.5
45*54*7.5		111807					45	54	7.5
45*55*4	105973						45	55	4
45*55*5		113759					45	55	5
45*55*6		106267					45	55	6
45*55*6.5	111618						45	55	6.5
45*55*7	105277	101967	106451	103955			45	55	7
45*55*7.5				400488			45	55	7.5
45*55*8	380142	107908	110625		190625		45	55	8
45*55*10	380126	101968					45	55	10
45*55*12	111559						45	55	12
45*56*6	106072	115829					45	56	6
45*56*7		103969					45	56	7
45*56*9				103218			45	56	9
45*56*10		103633					45	56	10
45*57*5.5		104920					45	57	5.5
45*57*7	108796	110113					45	57	7
45*57*9		100400					45	57	9
45*58*4		113486					45	58	4
45*58*7	105036	100751					45	58	7
45*58*8		108436					45	58	8
45*58*9		107686		105145			45	58	9
45*58*10		100752		111747			45	58	10
45*58*12		109716					45	58	12
45*59*7		103194					45	59	7
45*59*8	109516						45	59	8
45*59*10		102388					45	59	10
45*59.13*10				115947		195947	45	59.13	10
45*60*5		105916					45	60	5
45*60*5.5			115530		195530		45	60	5.5
45*60*6.5	107322						45	60	6.5
45*60*7	100858	110498	100787	106402			45	60	7

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
45*60*8	100587	102432	102337	101914		191914	45	60	8
45*60*9		102826		106906			45	60	9
45*60*10	103552	100144	101436	111022	191436	191022	45	60	10
45*60*12	101474	108784	101867		191867		45	60	12
45*61*9	111318	111603	111506		191506		45	61	9
45*62*6	108038						45	62	6
45*62*7	100903	101886	103330	102914		192914	45	62	7
45*62*7.5		430531					45	62	7.5
45*62*8	100477	103705	107670	109698	197670	199698	45	62	8
45*62*8.5		108523					45	62	8.5
45*62*9		104049		102547			45	62	9
45*62*10	100539	100193	101276	101588	380298	191588	45	62	10
45*62*11		112127					45	62	11
45*62*12	105816	100097	106188	101475	196188	191475	45	62	12
45*62*15				115051		195051	45	62	15
45*62.5*12	103653						45	62.5	12
45*63*7				103522			45	63	7
45*63*10	112841						45	63	10
45*63*12				109550		199550	45	63	12
45*63*14				111987			45	63	14
45*63.5*10	114535						45	63.5	10
45*64*7		102754					45	64	7
45*64*8		106334					45	64	8
45*64*9		105962					45	64	9
45*64*9.5	111983						45	64	9.5
45*64*12		108081					45	64	12
45*65*5		101166		410031			45	65	5
45*65*6	108681						45	65	6
45*65*7		103197		114174			45	65	7
45*65*8	102317	102945	102702	109699		199699	45	65	8
45*65*9	111638						45	65	9
45*65*10	100842	100098	101277	105742	191277	195742	45	65	10
45*65*12	105918	401283		101094		191094	45	65	12
45*66*6	102230						45	66	6
45*66*9	111392						45	66	9
45*66*10	102866	109899					45	66	10
45*66*12		103365					45	66	12
45*67*7				109271		199271	45	67	7
45*67*8	107388						45	67	8
45*67*10		103977					45	67	10
45*67*12		111588					45	67	12
45*68*7		110718					45	68	7
45*68*8	101604	105164		111428		191428	45	68	8
45*68*9		107685					45	68	9
45*68*10	103399	101645		114021		194021	45	68	10
45*68*11				113892		193892	45	68	11

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
45*68*12	109529	112016		110005		190005	45	68	12
45*68*13		110959					45	68	13
45*68*14		110837					45	68	14
45*69*12				109692		199692	45	69	12
45*69.1*12	101437						45	69.1	12
45*70*5		108854					45	70	5
45*70*7	103437						45	70	7
45*70*10	100981	101167	102415		192415		45	70	10
45*70*11		111350					45	70	11
45*70*12	116408	106547	102867	108347	192867	198347	45	70	12
45*70*14	113655						45	70	14
45*72*7	100077	103772	114443		194443		45	72	7
45*72*8	100654	102858		101010			45	72	8
45*72*9	104736						45	72	9
45*72*9.5		111289					45	72	9.5
45*72*10	100974	101198	102240	110927	192240		45	72	10
45*72*12	101278	105895	101279	101544	191279	191544	45	72	12
45*72*13		100099					45	72	13
45*73*10				114112		194112	45	73	10
45*73*12		100453		109457		199457	45	73	12
45*74*10		110207					45	74	10
45*74*12				111122		191122	45	74	12
45*75*6	102097	109383					45	75	6
45*75*6.35			112134		192134		45	75	6.35
45*75*7		103831					45	75	7
45*75*8	101056	101057		106415			45	75	8
45*75*10	100951	101013		115694		195694	45	75	10
45*75*12		106942	103241	105070	193241	195070	45	75	12
45*76*8			114454		194454		45	76	8
45*76*10		105130					45	76	10
45*76*12		115190					45	76	12
45*78*8		108845	107692		197692		45	78	8
45*78*10		115800					45	78	10
45*78*12		103523					45	78	12
45*78*13	104963						45	78	13
45*80*7		106662	104361	116514	194361	196514	45	80	7
45*80*8	107954	110905		116262		196262	45	80	8
45*80*8 S		101632					45	80	8 S
45*80*10	101014	100609	101214	109910	191214	199910	45	80	10
45*80*12		102389	114905		194905		45	80	12
45*80*13	102098	102875	106307	103219	196307		45	80	13
45*82*8		115226					45	82	8
45*82*12		114129					45	82	12
45*85*8		108346	106340				45	85	8
45*85*10	101159	100805	100673	109854	190673	199854	45	85	10
45*85*12		112920					45	85	12

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
45*85*13	105765	104265	100531	112425	190531	192425	45	85	13
45*90*8	103202	111934					45	90	8
45*90*10	100770	101001					45	90	10
45*90*13				108957		198957	45	90	13
45*92*10		115549					45	92	10
45*95*10		112104					45	95	10
45*100*8		113413					45	100	8
45*100*10		103019					45	100	10
45*100*15		112148					45	100	15
45*120*12		115150					45	120	12
45.24*100.03*9.53		103388					45.24	100.03	9.53
45.6*56*7		114487					45.6	56	7
45.67*69.85*7.95				410363			45.67	69.85	7.95
45.95*59.97*9.65			410047				45.95	59.97	9.65
46*54*5				103427			46	54	5
46*55*9	116079						46	55	9
46*56*7		110811	110644		190644		46	56	7
46*56*9			111604		191604		46	56	9
46*59*12		111620					46	59	12
46*60*7		107576	107545		197545		46	60	7
46*60*8	103928						46	60	8
46*60*10		102924					46	60	10
46*62*8	116143	101215					46	62	8
46*62*9	108956						46	62	9
46*64*7			113993		193993		46	64	7
46*64*8		102847					46	64	8
46*64*9		113743					46	64	9
46*64*10		104176					46	64	10
46*65*7		103892					46	65	7
46*65*9		108288					46	65	9
46*65*10	114225	107480		115001		195001	46	65	10
46*65*12		113513					46	65	12
46*65*13				111648		191648	46	65	13
46*68*8	103927	112500					46	68	8
46*68*10		106156					46	68	10
46*68*12				108329		198329	46	68	12
46*70*8		103893					46	70	8
46*70*10	109851	109904					46	70	10
46*70*12				113391			46	70	12
46*72*7		111891	114901		194901		46	72	7
46*72*10		113776					46	72	10
46*73*7.5		114877					46	73	7.5
46*73*10		109445					46	73	10
46*78*10	101391	110766	101333				46	78	10
46*80*8	114890						46	80	8
46*80*10	112831						46	80	10

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
46.03*76.2*9.53		104614					46.03	76.2	9.53
46.05*63.5*6.35	108127						46.05	63.5	6.35
46.05*63.5*9.53	110399	109399					46.05	63.5	9.53
46.05*66.62*7.95			103450				46.05	66.62	7.95
46.05*66.68*9.53	109392	104952					46.05	66.68	9.53
46.05*68.28*12.7				114207		194207	46.05	68.28	12.7
46.05*69.85*12.7	108620						46.05	69.85	12.7
46.05*76.2*9.53	109571						46.05	76.2	9.53
46.2*80*6	109266						46.2	80	6
46.2*80*10	109273						46.2	80	10
47*56*7	108959			106982			47	56	7
47*57*5				110760			47	57	5
47*58*6	105724						47	58	6
47*58*7		108167					47	58	7
47*58*10		116533					47	58	10
47*60*6		115817					47	60	6
47*60*7		108488					47	60	7
47*60*8		106291					47	60	8
47*60*10		106292					47	60	10
47*62*6	101015						47	62	6
47*62*7		106556					47	62	7
47*62*8	105637	103915		110926			47	62	8
47*62*9		110906	103569				47	62	9
47*62*12		106157					47	62	12
47*63.5*12		102929					47	63.5	12
47*64*8		109599					47	64	8
47*65*8		103894					47	65	8
47*65*10	104606	103292					47	65	10
47*66*6				111831		191831	47	66	6
47*67*12	102876						47	67	12
47*68*6	109160						47	68	6
47*68*10				110587		190587	47	68	10
47*68*12				113629		193629	47	68	12
47*68*13				110697		190697	47	68	13
47*70*8		110397					47	70	8
47*70*9		116218					47	70	9
47*70*10		103895					47	70	10
47*70*12		109070					47	70	12
47*72*7	107435						47	72	7
47*72*8		113388	410130				47	72	8
47*72*9	107899						47	72	9
47*72*10	102403	115364	107374		197374		47	72	10
47*72*12		109224	111089		191089		47	72	12
47*75*8				110337		190337	47	75	8
47*77*8	113208						47	77	8
47*80*10	110613	115477					47	80	10

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
47*80*12		106943					47	80	12
47*84*8		116005					47	84	8
47*84*10		113063					47	84	10
47*84*12		115167					47	84	12
47*90*8		108241					47	90	8
47.22*71.45*9.53		108524					47.22	71.45	9.53
47.5*60*9	112312						47.5	60	9
47.5*65*10		105817					47.5	65	10
47.5*70.65*9		105820					47.5	70.65	9
47.5*71*9		111700					47.5	71	9
47.6*66.8*11	105934						47.6	66.8	11
47.62*60.32*6.35			105514				47.62	60.32	6.35
47.62*63.5*12.7	106362						47.62	63.5	12.7
47.62*66.67*9.52		102567					47.62	66.67	9.52
47.62*66.67*12.7		106212					47.62	66.67	12.7
47.62*69.85*7.95		108134					47.62	69.85	7.95
47.62*69.85*16.66				108765		198765	47.62	69.85	16.66
47.62*80.96*12.7	103502						47.62	80.96	12.7
47.63*60.33*6.35	107082						47.63	60.33	6.35
47.63*60.33*9.53		115291					47.63	60.33	9.53
47.63*61.11*6.35	113772						47.63	61.11	6.35
47.63*61.93*7.95	108847			109742		199742	47.63	61.93	7.95
47.63*62*8.26			410046				47.63	62	8.26
47.63*63.5*6.35	108532		113669		193669		47.63	63.5	6.35
47.63*63.5*7.95	108516		110120		190120		47.63	63.5	7.95
47.63*63.5*9.53		105285		114271		194271	47.63	63.5	9.53
47.63*63.5*12.7			113249		193249		47.63	63.5	12.7
47.63*65.1*7.95	109424			107870		197870	47.63	65.1	7.95
47.63*66.68*7.95	114045		114076	110010	194076	190010	47.63	66.68	7.95
47.63*66.68*9.53				106655			47.63	66.68	9.53
47.63*66.68*11.51		109637					47.63	66.68	11.51
47.63*68.28*7.95				111477		191477	47.63	68.28	7.95
47.63*68.28*9.53		115555		107750		197750	47.63	68.28	9.53
47.63*68.28*12.7				109801		199801	47.63	68.28	12.7
47.63*69.85*7.95				114908		194908	47.63	69.85	7.95
47.63*69.85*9.53		104119					47.63	69.85	9.53
47.63*69.85*12.7		103908		107749		197749	47.63	69.85	12.7
47.63*71.45*9.53	116162						47.63	71.45	9.53
47.63*73.02*7.95				109367			47.63	73.02	7.95
47.63*73.02*9.53	108528	108981		189367			47.63	73.02	9.53
47.63*73.02*11.91		110072					47.63	73.02	11.91
47.63*73.02*12.7	109125			109978		199978	47.63	73.02	12.7
47.63*73.03*7.95		116211					47.63	73.03	7.95
47.63*76.2*7.95	114046			106653			47.63	76.2	7.95
47.63*76.2*9.53	110580	111531					47.63	76.2	9.53
47.63*76.2*12.7		106594		110269		190269	47.63	76.2	12.7

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
47.63*79.38*9.53		114376		109343		199343	47.63	79.38	9.53
47.63*79.38*12.7				101170			47.63	79.38	12.7
47.63*79.78*9.52						194451	47.63	79.78	9.52
47.63*79.78*9.53				114451			47.63	79.78	9.53
47.63*80.16*14.3			107097		197097		47.63	80.16	14.3
47.63*80.9*7.14	103606						47.63	80.9	7.14
47.63*80.98*12.7				110868		190868	47.63	80.98	12.7
47.63*82.55*12.7		110101					47.63	82.55	12.7
47.63*85.73*11.1						183499	47.63	85.73	11.1
47.63*85.73*11.91				113499		193499	47.63	85.73	11.91
47.63*88.9*12.7				108919		198919	47.63	88.9	12.7
48*55*4		112730					48	55	4
48*56*9				114715			48	56	9
48*58*4	101392	100516	107054		197054		48	58	4
48*58*7		115878					48	58	7
48*58*8		107408					48	58	8
48*58*10		108945					48	58	10
48*60*7		102755					48	60	7
48*60*8		112857		102353			48	60	8
48*60*9		106925		106995			48	60	9
48*60*10		101970		107797		197797	48	60	10
48*60*12		110944					48	60	12
48*61.82*6.35			410082				48	61.82	6.35
48*62*6		110493					48	62	6
48*62*7		104732	101393	102998		192998	48	62	7
48*62*8	100272	440125	102802	110854		190854	48	62	8
48*62*9		106533		111066		191066	48	62	9
48*62*10		103257	106116	102148			48	62	10
48*62*12	109616	112017		111918		191918	48	62	12
48*63*8		111543					48	63	8
48*63*10		111478					48	63	10
48*64*8		107500					48	64	8
48*64*10		107409					48	64	10
48*64*12		115365					48	64	12
48*64*14				104644		194644	48	64	14
48*65*7		106926					48	65	7
48*65*8	108380	109363					48	65	8
48*65*9		105865		106351			48	65	9
48*65*10	102525	103299	102113	100401	192113	190401	48	65	10
48*65*12		106827	101394	108364	191394	198364	48	65	12
48*65*14			107319		197319		48	65	14
48*65*15		110485					48	65	15
48*66*10		106224	114363		194363		48	66	10
48*67*10		103602					48	67	10
48*68*8		108371					48	68	8
48*68*9		112534					48	68	9

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
48*68*10	105639	102007	103549	111335	193549	191335	48	68	10
48*68*12	105690	108789	112631		192631		48	68	12
48*68*14		106864					48	68	14
48*69*10		103430					48	69	10
48*70*7		107639					48	70	7
48*70*8		107910					48	70	8
48*70*9	103842	104112		104111			48	70	9
48*70*9.5				106385			48	70	9.5
48*70*10	116521	101168		100100			48	70	10
48*70*12	103301	102660		111446		191446	48	70	12
48*70*14		109435					48	70	14
48*72*7	100511	101065					48	72	7
48*72*8	102050	104156	114707		194707		48	72	8
48*72*8.5		103798					48	72	8.5
48*72*9		105156					48	72	9
48*72*10	100101	103142	101857		191857		48	72	10
48*72*12	380021	102548	105596	111376	195596	191376	48	72	12
48*72*15	110341			111637		191637	48	72	15
48*72.5*10		105849		106396			48	72.5	10
48*72.5*12		100695					48	72.5	12
48*73*7				105768			48	73	7
48*73*8				185768			48	73	8
48*74*10	102504	104729					48	74	10
48*74*11		100197					48	74	11
48*75*8	110065						48	75	8
48*75*10		103896					48	75	10
48*75*12		108824		108825			48	75	12
48*76*10		112769					48	76	10
48*76*13				113362		193362	48	76	13
48*78*10		114920					48	78	10
48*80*8	106344	104008		108722		198722	48	80	8
48*80*10		100944		114909		194909	48	80	10
48*80*12		102986					48	80	12
48*80*13		105417	105870		195870		48	80	13
48*82*10		107534					48	82	10
48*82*11		102721					48	82	11
48*82*12		104189					48	82	12
48*85*6	113611						48	85	6
48*85*10		107968					48	85	10
48*85*13	110011						48	85	13
48*88*10	115037						48	88	10
48*90*8			113018		193018		48	90	8
48*90*10	106024	103881	102644				48	90	10
48*90*12	111110						48	90	12
48*90*13		102338		112426		192426	48	90	13
48.41*63.5*9.53		109120					48.41	63.5	9.53

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
48.66*63.5*9.52		100515					48.66	63.5	9.52
48.82*65.1*7.95					195591		48.82	65.1	7.95
49*62*6		113971					49	62	6
49*65*6		114285					49	65	6
49*65*8		104190					49	65	8
49*65*10	106945						49	65	10
49*68*7	110438						49	68	7
49*68*9		112295					49	68	9
49*68*12	108683						49	68	12
49*69*8	114561						49	69	8
49*70*9.5	114693						49	70	9.5
49*72*10		115587					49	72	10
49*77*18		116318					49	77	18
49*92*10		109253		109481		199481	49	92	10
49.19*76.2*12.7		100517					49.19	76.2	12.7
49.21*63.5*9.52	102045	107362					49.21	63.5	9.52
49.21*69.85*9.52	101762						49.21	69.85	9.52
49.21*69.85*12.7			104313		194313		49.21	69.85	12.7
49.21*76.2*12.7	101438						49.21	76.2	12.7
49.21*76.2*14.7			101931		191931		49.21	76.2	14.7
49.22*61.93*6.35				109103		199103	49.22	61.93	6.35
49.23*61.93*6.35			100353				49.23	61.93	6.35
49.23*62.71*7.95		105476					49.23	62.71	7.95
49.23*63.5*7.95	103863						49.23	63.5	7.95
49.23*63.5*9.53		106595	114070		194070		49.23	63.5	9.53
49.23*63.5*12.7		115786					49.23	63.5	12.7
49.23*65.1*7.95				114062		194062	49.23	65.1	7.95
49.23*66.68*6.35		113869					49.23	66.68	6.35
49.23*66.68*7.95		109276		114851		194851	49.23	66.68	7.95
49.23*66.68*12.7			115945		195945		49.23	66.68	12.7
49.23*68.22*12.7			105409				49.23	68.22	12.7
49.23*68.28*7.95				107965		197965	49.23	68.28	7.95
49.23*68.28*9.53			111284		191284		49.23	68.28	9.53
49.23*68.28*12.7				108179		198179	49.23	68.28	12.7
49.23*69.58*9.53			107583		197583		49.23	69.58	9.53
49.23*69.85*9.53		103992		115832		195832	49.23	69.85	9.53
49.23*73.02*6.35	108068						49.23	73.02	6.35
49.23*73.02*7.95		110038		108067		198067	49.23	73.02	7.95
49.23*76.2*7.95				111357		191357	49.23	76.2	7.95
49.23*76.2*9.53		105537		108904		198904	49.23	76.2	9.53
49.23*76.2*12.7		105899		109709		199709	49.23	76.2	12.7
49.23*79.38*12.7		115397		111897		191897	49.23	79.38	12.7
49.23*89.99*12.7				106674		196674	49.23	89.99	12.7
49.23*107.95*9.53				114941		194941	49.23	107.95	9.53
49.61*68.28*12.7				108808		198808	49.61	68.28	12.7
49.99*68.22*12.7			107713		197713		49.99	68.22	12.7

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
50*57*5		115882					50	57	5
50*58*4		112018					50	58	4
50*58*4.5	105942						50	58	4.5
50*60*6		111616					50	60	6
50*60*7	107552	113005		111338			50	60	7
50*60*8		107162					50	60	8
50*60*9				113364		193364	50	60	9
50*60*10	107535	108867	113139		193139		50	60	10
50*62*5	105384						50	62	5
50*62*6	110263			114947		194947	50	62	6
50*62*7	103697	104545	100081				50	62	7
50*62*8		107125		103799			50	62	8
50*62*9		114733		113905		193905	50	62	9
50*62*10	103115	112427	105529	102972			50	62	10
50*62*14				114763			50	62	14
50*63*6		113122					50	63	6
50*63*7				114577		194577	50	63	7
50*63*8		107405		109737		199737	50	63	8
50*63*10		113703					50	63	10
50*64*8		107925					50	64	8
50*64*10	107033	104191					50	64	10
50*65*6		109519					50	65	6
50*65*7		104942					50	65	7
50*65*8	101366	105043	100502	101395		191395	50	65	8
50*65*9		108645					50	65	9
50*65*10	101016	100696	101806	104986	191806		50	65	10
50*65*12	107034	111540	103306				50	65	12
50*66*6		112914					50	66	6
50*66*7.93	105295						50	66	7.93
50*66*8	109718						50	66	8
50*66*10	109526			114952		194952	50	66	10
50*66*11				114628		194628	50	66	11
50*67*7		110172					50	67	7
50*67*9		102657		100238			50	67	9
50*67*10		104100					50	67	10
50*67*11		105783					50	67	11
50*68*7		104943		110348		190348	50	68	7
50*68*8	100296	103143		106413		196413	50	68	8
50*68*9		103077		103561		193561	50	68	9
50*68*10	102051	100152	101909	102046	191909	192046	50	68	10
50*68*11	112813						50	68	11
50*68*12	101396	109818	109132		199132		50	68	12
50*68*14	110330		102372	100945			50	68	14
50*69*10		106087		112137		192137	50	69	10
50*70*6		106828					50	70	6
50*70*7		104944		113780		193780	50	70	7

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
50*70*8	440056	105165	102022	105219	192022		50	70	8
50*70*9		410087		103730			50	70	9
50*70*10	101612	103052	101676	111615	191676	191615	50	70	10
50*70*11		110279					50	70	11
50*70*12	100063	100116	101439	108049	191439	198049	50	70	12
50*70*13.5				105531			50	70	13.5
50*70*14		109849	109887		199887		50	70	14
50*72*6	108156						50	72	6
50*72*7		106048		105525			50	72	7
50*72*8	100822	101280	100735	112752		192752	50	72	8
50*72*9		104295					50	72	9
50*72*10	100901	100439	105753	111645	195753	191645	50	72	10
50*72*12	103656	102891	106368	104889	196368	194889	50	72	12
50*72*14		111226		110482		190482	50	72	14
50*72*15				107977		197977	50	72	15
50*72.5*12		103603					50	72.5	12
50*73*8		109790					50	73	8
50*73*9		114130		100040		190040	50	73	9
50*73*10		110270					50	73	10
50*73*12		114592		115003		195003	50	73	12
50*74*9	110083						50	74	9
50*74*10	105144	107410		109252		199252	50	74	10
50*75*6		110549					50	75	6
50*75*7	113291						50	75	7
50*75*8		102756	113575		193575		50	75	8
50*75*9				189551			50	75	9
50*75*10	100961	102627	109117	109551	199117	199551	50	75	10
50*75*12	101793	104894	101542	109878	191542	199878	50	75	12
50*75*13		109793					50	75	13
50*76*10	380315	104192					50	76	10
50*76*12		107823	101002	110317	191002	190317	50	76	12
50*76.2*9.53		102286					50	76.2	9.53
50*77*8		114973					50	77	8
50*78*8		113622					50	78	8
50*78*10	102373	112692					50	78	10
50*78*12		100155					50	78	12
50*80*6		107609					50	80	6
50*80*7		106724					50	80	7
50*80*8	100277	100771	102733				50	80	8
50*80*10	101843	100443	101125	104061	191125	194061	50	80	10
50*80*12	101282	103053	101476	106680	191476	196680	50	80	12
50*80*13	380304	100198	400342	105632		195632	50	80	13
50*80*14		109804					50	80	14
50*80*15		112303					50	80	15
50*81*10		108082					50	81	10
50*81*13		106134					50	81	13

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
50*82*10		113338					50	82	10
50*82*12		106496					50	82	12
50*85*8		103897					50	85	8
50*85*10	380320	103941	101003	111422	191003	191422	50	85	10
50*85*12		107911					50	85	12
50*85*13	104021	104854	102114	109100	192114	199100	50	85	13
50*86*10		103391					50	86	10
50*90*7		113922					50	90	7
50*90*8		103877					50	90	8
50*90*10	101734	101547	102339	110808	192339	190808	50	90	10
50*90*12		105885		110952		190952	50	90	12
50*90*13	102153	102723	110807		190807		50	90	13
50*92*10				109018		199018	50	92	10
50*95*7	114543						50	95	7
50*95*10		111351		110512		190512	50	95	10
50*98*6		112347					50	98	6
50*100*10		110375		108356		198356	50	100	10
50*100*12		111316					50	100	12
50*100*13		115803					50	100	13
50*110*10		108334					50	110	10
50*110*10.5	100930						50	110	10.5
50*110*12	110599	112691		107840		197840	50	110	12
50*120*12		109861					50	120	12
50.01*68.22*12.7			103616		193616		50.01	68.22	12.7
50.01*69.44*9.53		113527					50.01	69.44	9.53
50.5*62*9		111479					50.5	62	9
50.8*60.33*6.35	108953						50.8	60.33	6.35
50.8*63.5*6.35		100541		108713		198713	50.8	63.5	6.35
50.8*63.5*7.95			115348		195348		50.8	63.5	7.95
50.8*63.5*9.53		112705		115124		195124	50.8	63.5	9.53
50.8*65.1*7.95	108310						50.8	65.1	7.95
50.8*65.1*13.5			410041				50.8	65.1	13.5
50.8*66.62*7.95				104033		194033	50.8	66.62	7.95
50.8*66.67*9.52		102898					50.8	66.67	9.52
50.8*66.68*9.53				108819		198819	50.8	66.68	9.53
50.8*68.26*9.52		104863					50.8	68.26	9.52
50.8*68.28*8.33				115044		195044	50.8	68.28	8.33
50.8*68.28*9.53				109425		199425	50.8	68.28	9.53
50.8*68.28*11.13		116142					50.8	68.28	11.13
50.8*68.28*12.7	104345						50.8	68.28	12.7
50.8*68.99*11.89				106645		196645	50.8	68.99	11.89
50.8*69.06*11.91			100347		190347		50.8	69.06	11.91
50.8*69.85*6.35		109598					50.8	69.85	6.35
50.8*69.85*7.95		113322		103981		193981	50.8	69.85	7.95
50.8*69.85*9.52	101781						50.8	69.85	9.52
50.8*69.85*9.53		104123		109755		199755	50.8	69.85	9.53

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
50.8*69.85*11.13	114974						50.8	69.85	11.13
50.8*69.85*12.7	101589	105030		107822		197822	50.8	69.85	12.7
50.8*72.24*11.91				107462		197462	50.8	72.24	11.91
50.8*73.02*9.52	102374	102995					50.8	73.02	9.52
50.8*73.02*11.91		102806		110007		190007	50.8	73.02	11.91
50.8*73.02*12.7		104580		108184		198184	50.8	73.02	12.7
50.8*73.03*7.95			115865		195865		50.8	73.03	7.95
50.8*73.81*7.93	105400						50.8	73.81	7.93
50.8*76.12*9.53			432449				50.8	76.12	9.53
50.8*76.2*6.35		111666	113871		193871		50.8	76.2	6.35
50.8*76.2*7.95	112246			108768		198768	50.8	76.2	7.95
50.8*76.2*9.52				107381		197381	50.8	76.2	9.52
50.8*76.2*9.53		108205	100671				50.8	76.2	9.53
50.8*76.2*12.7		104082		104877		194877	50.8	76.2	12.7
50.8*76.2*19.05				108986		198986	50.8	76.2	19.05
50.8*77.8*9.53				113877		193877	50.8	77.8	9.53
50.8*79.38*9.53	110436						50.8	79.38	9.53
50.8*79.38*12.7		115100					50.8	79.38	12.7
50.8*80.98*12.7		115323		108960		198960	50.8	80.98	12.7
50.8*82.55*9.53	110247						50.8	82.55	9.53
50.8*82.55*12.7				107467		197467	50.8	82.55	12.7
50.8*85.62*11.13				103535		193535	50.8	85.62	11.13
50.8*85.73*12.7		111694		111423		191423	50.8	85.73	12.7
50.8*88.9*12.7	102915						50.8	88.9	12.7
50.8*92.07*12.7				113472		193472	50.8	92.07	12.7
50.8*92.08*11.13			115721		380179	183472	50.8	92.08	11.13
51*62*7			106988				51	62	7
51*63*8		116047		111130		191130	51	63	8
51*63*9				110762			51	63	9
51*64*7		110471					51	64	7
51*65*7		410133		105477		195477	51	65	7
51*65*9				104590			51	65	9
51*66*7		116598					51	66	7
51*68*9				110764			51	68	9
51*72*10	109233						51	72	10
51*76*9.5	106734						51	76	9.5
51*76*10		113259		109876		199876	51	76	10
51*85*12				112292		192292	51	85	12
51.59*80.98*6.35			113899		193899		51.59	80.98	6.35
52*60*8	110114						52	60	8
52*62*7		107837					52	62	7
52*62*8	108501	109956					52	62	8
52*62*9				108732		198732	52	62	9
52*62*10		103195					52	62	10
52*63*8		104733		104167			52	63	8
52*63*8.5				113843		193843	52	63	8.5

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
52*63*9				115892			52	63	9
52*63*10		113855					52	63	10
52*64*9		111496		106997			52	64	9
52*65*8	105599	110865					52	65	8
52*65*9		105029		100195			52	65	9
52*65*10		107640		102146			52	65	10
52*65*12		109059					52	65	12
52*66*7	114239						52	66	7
52*66*8		109060					52	66	8
52*67*10	113656						52	67	10
52*68*7		101817		113769		193769	52	68	7
52*68*8	101118	102757	111191	111634	191191	191634	52	68	8
52*68*9	109607			106338			52	68	9
52*68*10	102073	102720	102099	106952	192099		52	68	10
52*68*12			105607		195607		52	68	12
52*68*13	107985	108895	114648	115135	194648		52	68	13
52*68*13.5				101590			52	68	13.5
52*69*10	380322	103821					52	69	10
52*70*7		107554					52	70	7
52*70*8		104541					52	70	8
52*70*9		104752		104025			52	70	9
52*70*10		103431	102047	103441	192047		52	70	10
52*70*12		106716		109458		199458	52	70	12
52*70*13	109606	109836					52	70	13
52*71*9	116214						52	71	9
52*72*7	113290						52	72	7
52*72*8	103843	103144		107318		197318	52	72	8
52*72*9		101719					52	72	9
52*72*10	100884	100103	102476	108118	192476		52	72	10
52*72*12	101066	104296	101440	103271	191440	193271	52	72	12
52*73*9.5	102186						52	73	9.5
52*73*10				109734		199734	52	73	10
52*74*9				116062		196062	52	74	9
52*75*6	112957						52	75	6
52*75*8	109287	110413					52	75	8
52*75*9		111011					52	75	9
52*75*10		105418	108144				52	75	10
52*75*12	101495	103666	104727	108232	194727	198232	52	75	12
52*75*14.7				106579			52	75	14.7
52*75*15		109482					52	75	15
52*76*10			107693		197693		52	76	10
52*76*12	110024						52	76	12
52*76*13				112508		192508	52	76	13
52*78*9	116578						52	78	9
52*78*10		113801					52	78	10
52*78*12		100156		113895		193895	52	78	12

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
52*78*13	101283						52	78	13
52*78*15		108145					52	78	15
52*79*10		106135					52	79	10
52*80*8	101522	110570					52	80	8
52*80*10	104157	100610	105631		195631		52	80	10
52*80*12				110939		190939	52	80	12
52*80*13	101284	104264	101004	107814	191004	197814	52	80	13
52*84*10		104193					52	84	10
52*85*8	109495	112304					52	85	8
52*85*10	101017	104702	101285		191285		52	85	10
52*85*12		110414					52	85	12
52*85*13		110208		115716		195716	52	85	13
52*87*8		112020					52	87	8
52*87*13		112475					52	87	13
52*87*15		112526					52	87	15
52*90*8		112360					52	90	8
52*90*10		106458		112374		192374	52	90	10
52*90*13		106459	101667		191667		52	90	13
52*100*10		112820		108944		198944	52	100	10
52*100*12		112026					52	100	12
52.38*73.02*9.52		103184					52.38	73.02	9.52
52.38*76.2*9.52	102065						52.38	76.2	9.52
52.4*66.68*7.95	110280						52.4	66.68	7.95
52.4*76.2*9.53	380288	111114		110352		190352	52.4	76.2	9.53
52.4*76.2*11.13		109317					52.4	76.2	11.13
52.4*76.2*12.7		112047					52.4	76.2	12.7
52.4*80.98*9.53	109297						52.4	80.98	9.53
52.4*80.98*11.51	108415						52.4	80.98	11.51
52.4*80.98*12.7				107922		197922	52.4	80.98	12.7
52.4*92.07*12.7	114508						52.4	92.07	12.7
53*62*8				107150			53	62	8
53*63*8		109554					53	63	8
53*63*10	102187						53	63	10
53*65*5		114569					53	65	5
53*65*10		106537					53	65	10
53*68*8			113929		193929		53	68	8
53*68*10	105693	104692	101441				53	68	10
53*68*13		105011					53	68	13
53*68.2*7		103046					53	68.2	7
53*70*8			112783		192783		53	70	8
53*72*8		114196					53	72	8
53*72*10		106136					53	72	10
53*73*10				111757			53	73	10
53*75*12		105967					53	75	12
53*76*10		115304					53	76	10
53*76*13		106137					53	76	13

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
53*78*10				110860		190860	53	78	10
53*78*11				110630		190630	53	78	11
53*79*10		110907					53	79	10
53*80*10		105832					53	80	10
53*80*12				114235		194235	53	80	12
53*80*13				107957		197957	53	80	13
53*82*12		113923					53	82	12
53*90*13			107634		197634		53	90	13
53*100*13				108042		198042	53	100	13
53.5*90*6	106189						53.5	90	6
53.97*66.68*4.78	113260						53.97	66.68	4.78
53.97*69.85*7.93	109447						53.97	69.85	7.93
53.97*73.02*6.35					196200		53.97	73.02	6.35
53.97*73.02*7.95				107841		197841	53.97	73.02	7.95
53.97*73.02*9.53	108323						53.97	73.02	9.53
53.97*73.02*11.13				104878	410352	194878	53.97	73.02	11.13
53.97*73.02*11.91				107100		197100	53.97	73.02	11.91
53.97*73.03*9.53				100505		190505	53.97	73.03	9.53
53.97*76.2*9.53		108092		108359		198359	53.97	76.2	9.53
53.97*76.2*12.7	400051	100154		102626			53.97	76.2	12.7
53.97*77.8*12.7				114012		194012	53.97	77.8	12.7
53.97*79.37*9.52		102100					53.97	79.37	9.52
53.97*79.38*9.53				109552		199552	53.97	79.38	9.53
53.97*80.98*6.35		114861					53.97	80.98	6.35
53.97*80.98*9.53		108431					53.97	80.98	9.53
53.97*80.98*11.91				109408		199408	53.97	80.98	11.91
53.97*82.55*9.52		102375					53.97	82.55	9.52
53.97*82.55*11.13			113430		193430		53.97	82.55	11.13
53.97*82.55*12.7				112205		192205	53.97	82.55	12.7
53.97*85.73*9.53		105286					53.97	85.73	9.53
53.97*88.9*12.7	103356						53.97	88.9	12.7
53.97*92.07*12.7				109337		199337	53.97	92.07	12.7
53.98*68.28*7.95	110099						53.98	68.28	7.95
53.98*69.85*7.95			100916				53.98	69.85	7.95
53.98*69.85*9.53		108442		105038		195038	53.98	69.85	9.53
53.98*72.24*7.95	110974						53.98	72.24	7.95
53.98*73.02*6.35			116200				53.98	73.02	6.35
53.98*73.03*9.53		104120					53.98	73.03	9.53
53.98*73.03*12.7		105808		110389		190389	53.98	73.03	12.7
53.98*77.8*12.7		103905					53.98	77.8	12.7
53.98*79.38*12.7		104121		112024		192024	53.98	79.38	12.7
53.98*80.98*11.13				108711		198711	53.98	80.98	11.13
53.98*80.98*12.7		104581					53.98	80.98	12.7
53.98*85.73*9.53				110008		190008	53.98	85.73	9.53
53.98*85.73*12.7		105928					53.98	85.73	12.7
53.98*88.9*12.7		112132					53.98	88.9	12.7

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
53.98*90.09*12.7				115972		195972	53.98	90.09	12.7
54*64*9		112131					54	64	9
54*64*13		105658					54	64	13
54*65*8		103787					54	65	8
54*65*9				108822			54	65	9
54*65*10		114131		100151			54	65	10
54*65*13		104101		104113			54	65	13
54*66*7		112626					54	66	7
54*67*7		107411					54	67	7
54*68*8		107966					54	68	8
54*68*10		107694					54	68	10
54*68*10.5	108383						54	68	10.5
54*68*12		109220					54	68	12
54*70*9		108252					54	70	9
54*70*10	380024	105010	104824		194824		54	70	10
54*70*12		111950					54	70	12
54*72*5	107775						54	72	5
54*72*7				108119			54	72	7
54*72*8	107035	109730					54	72	8
54*72*9		105851					54	72	9
54*72*10	107044	401358	115279	101652	195279		54	72	10
54*72*12			107928		197928		54	72	12
54*72.5*9		103903		104117			54	72.5	9
54*73*6.5	107787						54	73	6.5
54*73*8		103832					54	73	8
54*73*10		114132		102398			54	73	10
54*73*12				112121		192121	54	73	12
54*73.1*6.3	113758						54	73.1	6.3
54*74*8	102140		106363	113104		193104	54	74	8
54*74*10		100441	103259		193259		54	74	10
54*75*8		108430					54	75	8
54*75*12	109562						54	75	12
54*76*8		108622					54	76	8
54*76*9		105833					54	76	9
54*76*12	107613						54	76	12
54*76*13		109013					54	76	13
54*78*10		116006		110059		190059	54	78	10
54*78*12	104980						54	78	12
54*78*13		113459					54	78	13
54*80*8	109685						54	80	8
54*80*10		105419	102442	115224	192442	195224	54	80	10
54*80*12			112502		192502		54	80	12
54*80*13		105620		115700		195700	54	80	13
54*81*10		400225					54	81	10
54*81*12		107412					54	81	12
54*82*10	116377	107163		104762			54	82	10

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
54*82*11		100402		104173			54	82	11
54*82*13		106397					54	82	13
54*85*8		109332					54	85	8
54*85*10	380025	105557	104803	112849	194803	192849	54	85	10
54*85*15	104737						54	85	15
54*90*10		103755					54	90	10
54*90*13	104802		102799		192799		54	90	13
54.76*73.02*9.53	380026	108741					54.76	73.02	9.53
54.76*82.55*12.7	112182						54.76	82.55	12.7
54.97*120.24*9.53		103280					54.97	120.24	9.53
55*63*7		115430					55	63	7
55*65*5		108135					55	65	5
55*65*7	107342						55	65	7
55*65*8	380249	102662					55	65	8
55*65*10		102609					55	65	10
55*65*12				103801			55	65	12
55*66*8	102207						55	66	8
55*66*8.5		107421					55	66	8.5
55*67*10		104132					55	67	10
55*68*8	100833	103844	111567	111684	191567	191684	55	68	8
55*68*8.5		105711					55	68	8.5
55*68*9		103597					55	68	9
55*68*10		100601		112971		192971	55	68	10
55*68*12		103222		103223			55	68	12
55*69*5.5		101071					55	69	5.5
55*69*8		101072					55	69	8
55*70*6		108192					55	70	6
55*70*7	102997						55	70	7
55*70*8	101191	101040	100411	109250		199250	55	70	8
55*70*9	102691	107078	114226		194226		55	70	9
55*70*10	100931	103054	101334	109323	191334	199323	55	70	10
55*70*12		109063		108133		198133	55	70	12
55*71*10		114159					55	71	10
55*72*6	107587	114593					55	72	6
55*72*7		106927		103224			55	72	7
55*72*8	100275	100460	101910	111639	191910	191639	55	72	8
55*72*9		105059		106111			55	72	9
55*72*10	101442	100535	100790	102551	190790	192551	55	72	10
55*72*12	101481	106815	101286	111161	191286	191161	55	72	12
55*72*13	108489						55	72	13
55*73*10		100962		100602			55	73	10
55*73*12		116063					55	73	12
55*73*13		114840					55	73	13
55*73.65*11		111758					55	73.65	11
55*74*10		111460					55	74	10
55*75*7		106138					55	75	7

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
55*75*8	116163	101687		106658			55	75	8
55*75*9		107280		112670		192670	55	75	9
55*75*10	103667	100708	101443	110527	191443	190527	55	75	10
55*75*12	101397	103253	100789	111511	190789	191511	55	75	12
55*75*16		108747		112619		192619	55	75	16
55*76*8		100576					55	76	8
55*76*10		106159		111995		191995	55	76	10
55*76*12		106481		102922		192922	55	76	12
55*77*9				115366		195366	55	77	9
55*77*10	107788	114770					55	77	10
55*78*8	102738	105113		113893		193893	55	78	8
55*78*9	107046	111326					55	78	9
55*78*10	113426	401288		110861		190861	55	78	10
55*78*12	101605	103823		111485		191485	55	78	12
55*78*13			107486		197486		55	78	13
55*80*5		113090					55	80	5
55*80*6	111196						55	80	6
55*80*7	113331						55	80	7
55*80*8	101619	103055	101706		191706		55	80	8
55*80*10	100572	100105	102101	102190	192101	192190	55	80	10
55*80*12	101199	116511		108826		198826	55	80	12
55*80*13	104020	106110	101444	101807	191444	191807	55	80	13
55*82*8		114812					55	82	8
55*82*9.35		115482					55	82	9.35
55*82*10	105561	108160		110150		190150	55	82	10
55*82*12		106357		107810		197810	55	82	12
55*85*8	100586	105114	104642				55	85	8
55*85*10	101043	102758	110095	109245	190095	199245	55	85	10
55*85*12	107335	100157		110818		190818	55	85	12
55*85*13	101287	101096	109213	103016	199213	193016	55	85	13
55*85*14		112125					55	85	14
55*88*10	101477	111010					55	88	10
55*88*12		112028					55	88	12
55*88*13		111651					55	88	13
55*90*8	100891	103679	108917			198917	55	90	8
55*90*10	102908	101548		113813		193813	55	90	10
55*90*12		107933					55	90	12
55*90*13		102732	105311	110972	195311	190972	55	90	13
55*92*9		114878					55	92	9
55*95*10		112101					55	95	10
55*100*10	103922	104027		108374		198374	55	100	10
55*100*12		108463					55	100	12
55*100*13	103686	103604	101720		191720		55	100	13
55*100*16	103027						55	100	16
55*110*10				107451		197451	55	110	10
55*110*13		113327					55	110	13

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
55*120*12		107453					55	120	12
55*120*16		113068					55	120	16
55.56*73.02*9.52	102115						55.56	73.02	9.52
55.56*76.2*9.52	102376						55.56	76.2	9.52
55.58*72.24*7.14				107603		197603	55.58	72.24	7.14
55.58*73.02*9.53		109418		106634		196634	55.58	73.02	9.53
55.58*73.02*11.13				110427		190427	55.58	73.02	11.13
55.58*73.02*12.7	380311	110509		108098		198098	55.58	73.02	12.7
55.58*76.2*9.53		108264					55.58	76.2	9.53
55.58*76.2*11.13				115236		195236	55.58	76.2	11.13
55.58*77.8*11.13				114611		194611	55.58	77.8	11.13
55.58*77.8*12.7		115326					55.58	77.8	12.7
55.58*79.38*12.7			114408		194408		55.58	79.38	12.7
55.58*80.98*9.53				101949		191949	55.58	80.98	9.53
55.58*80.98*11.13				114266		194266	55.58	80.98	11.13
55.58*80.98*12.7	108646						55.58	80.98	12.7
55.58*82.55*9.53	380293	110286					55.58	82.55	9.53
55.58*82.55*12.7				109011		199011	55.58	82.55	12.7
55.58*85.32*11.13			114857		194857		55.58	85.32	11.13
55.58*85.73*12.7	110046	110141	114455		194455		55.58	85.73	12.7
56*65*8		115260					56	65	8
56*65*12		109980					56	65	12
56*66*10	110833						56	66	10
56*68*10				111412		191412	56	68	10
56*69*10	116165	102974					56	69	10
56*70*8	107179	104105					56	70	8
56*70*8.5				107333		197333	56	70	8.5
56*70*9		106829					56	70	9
56*72*7		111527					56	72	7
56*72*8	102391	103160	109002	105346	199002		56	72	8
56*72*9		109871					56	72	9
56*72*10	107443	115778		111664		191664	56	72	10
56*72*12				109524		199524	56	72	12
56*73*10		107422					56	73	10
56*73*12.5		107164					56	73	12.5
56*74*10		110185					56	74	10
56*75*7	109679						56	75	7
56*75*8		107165	410078	108270		198270	56	75	8
56*75*12				108268		198268	56	75	12
56*76*9.5		107505					56	76	9.5
56*76*11	110227						56	76	11
56*78*8	107450						56	78	8
56*78*12			107386		197386		56	78	12
56*80*8	116164	105668					56	80	8
56*80*10				112080		192080	56	80	10
56*80*12		105997					56	80	12

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
56*80*13		111215					56	80	13
56*85*8	106775	111285					56	85	8
56*85*10		100697					56	85	10
56*85*13		109230					56	85	13
56*86*13		109642					56	86	13
56*86*22		113094					56	86	22
56*88*10	113787						56	88	10
56*90*8				103875			56	90	8
56*90*10	101496	115240					56	90	10
56*90*13		110696		110487		190487	56	90	13
56*100*10		102154		108200		198200	56	100	10
56*100*12		115322					56	100	12
56*102*10				100605			56	102	10
56*110*10		114789					56	110	10
56.36*67.08*4.78				114175			56.36	67.08	4.78
57*67*5	114522						57	67	5
57*67*5.56			430613				57	67	5.56
57*67*6		110109					57	67	6
57*67*7		106583					57	67	7
57*67*9		106337					57	67	9
57*68*9				102355			57	68	9
57*70*10				110581		190581	57	70	10
57*71*8		105834					57	71	8
57*72*9		112693		112537		192537	57	72	9
57*72*10		106301	102592	112418	192592	192418	57	72	10
57*72*15		111552					57	72	15
57*73*7		109345					57	73	7
57*75*7.5		101497					57	75	7.5
57*75*9			113938		193938		57	75	9
57*75*10		106204					57	75	10
57*75*12		109772					57	75	12
57*76*10		108229					57	76	10
57*76*12.5	110518						57	76	12.5
57*77*7		102762					57	77	7
57*78*12	110088						57	78	12
57*80*8		108230		109288		199288	57	80	8
57*80*12	106057	103243					57	80	12
57*80*13	112270						57	80	13
57*85*10	110886						57	85	10
57*85*12		108372	103644				57	85	12
57*85*13		103873	105652		195652		57	85	13
57*85*15		114115					57	85	15
57*86*13		111077					57	86	13
57*87*15		101911					57	87	15
57*90*13	101882	106187	102416		192416		57	90	13
57*95*10	110165						57	95	10

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
57*110*10	114815			108064		198064	57	110	10
57.15*69.85*6.35			101009	107461		197461	57.15	69.85	6.35
57.15*69.85*9.53	103864	109829					57.15	69.85	9.53
57.15*69.85*12.7		115863					57.15	69.85	12.7
57.15*73.02*9.52		102102					57.15	73.02	9.52
57.15*73.02*9.53				108920		198920	57.15	73.02	9.53
57.15*73.02*11.13	103858						57.15	73.02	11.13
57.15*76.2*7.95				109548		199548	57.15	76.2	7.95
57.15*76.2*9.53		104124	115839	440117	195839		57.15	76.2	9.53
57.15*76.2*11.13			102380	109289		199289	57.15	76.2	11.13
57.15*76.2*12.7		104588	104935	112399	194935	192399	57.15	76.2	12.7
57.15*77.8*9.53				113318		193318	57.15	77.8	9.53
57.15*77.8*11.13				109006			57.15	77.8	11.13
57.15*77.8*11.91	114213						57.15	77.8	11.91
57.15*79.37*9.52	102552						57.15	79.37	9.52
57.15*79.38*9.53		104034					57.15	79.38	9.53
57.15*80.96*12.7	101808	104968					57.15	80.96	12.7
57.15*80.98*11.91				111481		191481	57.15	80.98	11.91
57.15*82.55*6.35		105963					57.15	82.55	6.35
57.15*82.55*9.53		115393		108807		198807	57.15	82.55	9.53
57.15*82.55*11.13				113918		193918	57.15	82.55	11.13
57.15*82.55*12.7	100932	106300		104887		194887	57.15	82.55	12.7
57.15*84.15*7.54		113849					57.15	84.15	7.54
57.15*84.94*11.13				108666		198666	57.15	84.94	11.13
57.15*84.94*12.7				109256		199256	57.15	84.94	12.7
57.15*85.62*9.53				101944		191944	57.15	85.62	9.53
57.15*85.72*9.53				100529		190529	57.15	85.72	9.53
57.15*85.72*12.7				110344		190344	57.15	85.72	12.7
57.15*85.73*7.95	103286						57.15	85.73	7.95
57.15*85.73*9.52		104969					57.15	85.73	9.52
57.15*85.73*12.7		100201					57.15	85.73	12.7
57.15*88.9*9.53	110566			110588		190588	57.15	88.9	9.53
57.15*88.9*11.13			112593		192593		57.15	88.9	11.13
57.15*88.9*12.7	110194	114232		108763		198763	57.15	88.9	12.7
57.15*92.07*11.13			112594		192594		57.15	92.07	11.13
57.15*92.07*12.7		111775		114053		194053	57.15	92.07	12.7
57.15*95.25*12.7				109005			57.15	95.25	12.7
57.15*98.43*11.13				107446		197446	57.15	98.43	11.13
57.15*101.6*12.7				113571		193571	57.15	101.6	12.7
57.15*110*10		114330					57.15	110	10
57.5*81*11.5		106139					57.5	81	11.5
57.5*120*10				102278			57.5	120	10
57.56*85.73*12.7		106540					57.56	85.73	12.7
58*68*6				114491			58	68	6
58*68*7				111584			58	68	7
58*68*9		109168		108341		198341	58	68	9

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
58*68*10	101872	105023					58	68	10
58*70*10		104648					58	70	10
58*72*6		115259					58	72	6
58*72*7		109766					58	72	7
58*72*8	102699	102368	102201	111964		191964	58	72	8
58*72*9	103706	104852					58	72	9
58*72*10		103225					58	72	10
58*72*12		107913					58	72	12
58*74*8		100153					58	74	8
58*74*10		112079					58	74	10
58*75*5	102568						58	75	5
58*75*8		107227	105901				58	75	8
58*75*9	112035	105281	116172		196172		58	75	9
58*75*10	380106	104638					58	75	10
58*75*11	103698	103845					58	75	11
58*75*12		103525	109604	103526	199604	193526	58	75	12
58*75*15				106491			58	75	15
58*76*7	115213						58	76	7
58*76*9	106801						58	76	9
58*76*10		115779		109110		199110	58	76	10
58*78*10		109064					58	78	10
58*78*12		103432					58	78	12
58*78*13	107898						58	78	13
58*80*7		115119					58	80	7
58*80*8	100841	102443		110692		190692	58	80	8
58*80*9		104982					58	80	9
58*80*10	101360	103145	101445	109412	191445	199412	58	80	10
58*80*12	104168	101288	101027	104890	191027		58	80	12
58*80*13	101289	101335		111170		191170	58	80	13
58*81.2*5	114469						58	81.2	5
58*82*10		116030					58	82	10
58*82*12		110176					58	82	12
58*83*10		107413					58	83	10
58*85*7		105028					58	85	7
58*85*8		111965					58	85	8
58*85*10	102211	100445	115629		195629		58	85	10
58*85*12	105845	110415					58	85	12
58*85*13		105766	105333		195333		58	85	13
58*90*8	108827	111609					58	90	8
58*90*10	105725	106793					58	90	10
58*90*11		103362					58	90	11
58*90*13	101625	100611	103090	109113	193090	199113	58	90	13
58*92*8		110169					58	92	8
58*100*10		115388					58	100	10
58*108*13		116395					58	108	13
58.5*100*8				115255		195255	58.5	100	8

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
58.7*85.09*7.94			105686				58.7	85.09	7.94
58.73*79.37*9.52	102103						58.73	79.37	9.52
58.75*76.2*12.7				115968		195968	58.75	76.2	12.7
58.75*79.38*9.53		112247					58.75	79.38	9.53
58.75*80.16*12.7	106065						58.75	80.16	12.7
58.75*82.55*9.53				113022		193022	58.75	82.55	9.53
58.75*82.55*12.7		112988		112989		192989	58.75	82.55	12.7
58.75*84.94*7.95				104786			58.75	84.94	7.95
58.75*85.1*7.95		110899					58.75	85.1	7.95
58.75*85.32*7.95		103149					58.75	85.32	7.95
58.75*85.73*11.91				113057		193057	58.75	85.73	11.91
58.75*88.9*12.7				110217		190217	58.75	88.9	12.7
58.75*95.25*12.7				113261		193261	58.75	95.25	12.7
59*75*9				113735		193735	59	75	9
59*75*10				105485			59	75	10
59*80*7	109710						59	80	7
59*80*10	103302			111290		191290	59	80	10
59*85*8	105811						59	85	8
59*85*12		115801					59	85	12
59*90*10		115572					59	90	10
60*70*7	105641	110180	100720				60	70	7
60*70*8	108275	110724	111612		191612		60	70	8
60*70*10		104694					60	70	10
60*72*6			113131			193131	60	72	6
60*72*7		115890		111018		191018	60	72	7
60*72*7.5				105046			60	72	7.5
60*72*8	104297	104194	101044	104248			60	72	8
60*72*8.5	111400						60	72	8.5
60*72*9		108655					60	72	9
60*72*10		106518					60	72	10
60*72*12		109342					60	72	12
60*73*10		115766					60	73	10
60*74*8			111257		191257		60	74	8
60*74*10	107222	103120		100404		190404	60	74	10
60*75*6.5		112014					60	75	6.5
60*75*7	108262		113990		193990		60	75	7
60*75*8	100988	113962	101045	100613	191045		60	75	8
60*75*9	116043	107155		109654		199654	60	75	9
60*75*10	101446	101097	113830		193830		60	75	10
60*75*12	380260	101831					60	75	12
60*76*8		114379					60	76	8
60*76*9		111994					60	76	9
60*76*10	109215						60	76	10
60*77*6	107665		107414		197414		60	77	6
60*77*12		109624		101695			60	77	12
60*78*7	109122	113789					60	78	7

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
60*78*8		103962					60	78	8
60*78*9	106754	101169	102759	113355		193355	60	78	9
60*78*10	380063	103161					60	78	10
60*78*12		111365					60	78	12
60*78*13	101398			115639		195639	60	78	13
60*79*8	114523						60	79	8
60*80*5	105974	111188					60	80	5
60*80*6			113915		193915		60	80	6
60*80*7		115011					60	80	7
60*80*8	100772	100338	105176	103546	195176	191589	60	80	8
60*80*9		103303					60	80	9
60*80*10	100284	104147	100620	101478	190620	191478	60	80	10
60*80*12	104017	104051	102392	103063	192392	194717	60	80	12
60*80*13	101290	100559	101291	109736	191291	199736	60	80	13
60*82*6		109462					60	82	6
60*82*7		103899					60	82	7
60*82*8		107166		115159		195159	60	82	8
60*82*9		101523					60	82	9
60*82*10		101098		106088			60	82	10
60*82*12	115831	104597		104888		194888	60	82	12
60*82*13				114374		194374	60	82	13
60*83*13				108936		198936	60	83	13
60*83.5*11			410443				60	83.5	11
60*85*6		115624					60	85	6
60*85*8	100629	103056		110140		190140	60	85	8
60*85*10	101845	100158	101186	109341	191186	199341	60	85	10
60*85*11		108083					60	85	11
60*85*12	101067	104316	101543	110536	191543	190536	60	85	12
60*85*13	101292	100160	101293	106013	191293	196013	60	85	13
60*86.5*10		114404					60	86.5	10
60*88*10		106161					60	88	10
60*88*12		108401					60	88	12
60*89*11	111260						60	89	11
60*90*6	109765						60	90	6
60*90*8	104298	104014	101554				60	90	8
60*90*10	101316	102954	101912	103064	191912	193064	60	90	10
60*90*11		104923					60	90	11
60*90*12		106621	102178	110632	192178	190632	60	90	12
60*90*13	101626	100161	102710	102622	192710	192622	60	90	13
60*90*16		110276					60	90	16
60*91.5*10		115736					60	91.5	10
60*92*11	110047						60	92	11
60*93*10		111927					60	93	10
60*93*13	103586						60	93	13
60*95*8	116434	103789					60	95	8
60*95*10	101899	100167		108410		198410	60	95	10

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
60*95*12		107914					60	95	12
60*95*13		100204	101809	110127	191809	190127	60	95	13
60*96*13	108435						60	96	13
60*100*10	102687	104855					60	100	10
60*100*12			104718		194718		60	100	12
60*100*13	380028	100446		108983		198983	60	100	13
60*103*12		115658					60	103	12
60*105*13				112319		192319	60	105	13
60*110*8		103788					60	110	8
60*110*10	104060	104992					60	110	10
60*110*12	104542	107608					60	110	12
60*110*13	108885	101698	106182		196182		60	110	13
60*120*8		115959					60	120	8
60*120*10		113398					60	120	10
60*125*13				113014		193014	60	125	13
60*130*10		114964					60	130	10
60*130*15	111696						60	130	15
60.32*79.37*9.52	101810						60.32	79.37	9.52
60.32*79.37*12.7				103494		193494	60.32	79.37	12.7
60.32*85.72*12.7	102868						60.32	85.72	12.7
60.32*85.73*12.7		100881					60.32	85.73	12.7
60.32*88.9*11.11	102692						60.32	88.9	11.11
60.32*88.9*12.7				107569		197569	60.32	88.9	12.7
60.32*90.09*11.91				107798		197798	60.32	90.09	11.91
60.32*90.09*12.7						187798	60.32	90.09	12.7
60.32*98.42*11.1			110545		190545		60.32	98.42	11.1
60.33*73.02*7.95	108948	109959					60.33	73.02	7.95
60.33*76.2*9.53		108625	115158		195158		60.33	76.2	9.53
60.33*76.2*12.7				108154		198154	60.33	76.2	12.7
60.33*77.8*9.53				112376		192376	60.33	77.8	9.53
60.33*79.38*9.53		106593		113340		193340	60.33	79.38	9.53
60.33*80.98*9.53				114303		194303	60.33	80.98	9.53
60.33*82.55*9.53		109480		105792		195792	60.33	82.55	9.53
60.33*82.55*12.7	110198	115122					60.33	82.55	12.7
60.33*84.94*9.53				115615		195615	60.33	84.94	9.53
60.33*84.94*11.13				112057		192057	60.33	84.94	11.13
60.33*85.73*9.53		110016		115662		195662	60.33	85.73	9.53
60.33*85.73*12.7				112096		192096	60.33	85.73	12.7
60.33*88.9*9.53				109199		199199	60.33	88.9	9.53
60.33*88.9*11.13				108934		198934	60.33	88.9	11.13
60.33*88.9*12.7		109877					60.33	88.9	12.7
60.33*90.09*9.53				112676		192676	60.33	90.09	9.53
60.33*92.07*9.53				114406		194406	60.33	92.07	9.53
60.33*92.07*11.13	111154		113595		193595		60.33	92.07	11.13
60.33*95.25*12.7	113795			110056		190056	60.33	95.25	12.7
61*75*8	115367						61	75	8

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
61*80*13	112212						61	80	13
61*85*13				104801			61	85	13
61.93*79.38*8.74	112574						61.93	79.38	8.74
61.93*79.38*9.53				109912	410288	199912	61.93	79.38	9.53
61.93*82.55*9.53		104254		113428		193428	61.93	82.55	9.53
61.93*85.09*9.53				101152			61.93	85.09	9.53
61.93*85.73*12.7	108760	109346					61.93	85.73	12.7
61.93*88.9*9.53				108544		198544	61.93	88.9	9.53
61.93*92.07*9.53				110298			61.93	92.07	9.53
62*72*9		109584					62	72	9
62*72*10		102531					62	72	10
62*75*6		115498					62	75	6
62*75*8		116604	113635		193635		62	75	8
62*75*10		107610	103589	100812			62	75	10
62*75*12		107830					62	75	12
62*76*9						195512	62	76	9
62*76*10	107829	114716		113978		193978	62	76	10
62*77*9		113446					62	77	9
62*78*10		107641					62	78	10
62*80*9		103375		102237			62	80	9
62*80*10	106015	104584	102899	101707		191707	62	80	10
62*80*11		105012					62	80	11
62*80*12	101336	103244	102553		192553		62	80	12
62*81*6		112654					62	81	6
62*82*10	103776	110535					62	82	10
62*82*12	105761	104195		108834		198834	62	82	12
62*83*7		112351					62	83	7
62*83*9		109176					62	83	9
62*83*12			107430		197430		62	83	12
62*83*15	109126						62	83	15
62*84*8		116365					62	84	8
62*85*8		106563		101887			62	85	8
62*85*9		113380		115962		195962	62	85	9
62*85*10	104973	100199	105055	100248	195055	190248	62	85	10
62*85*12		105146	104682	115332	194682	195332	62	85	12
62*85*13		100200	104708	110390	194708	190390	62	85	13
62*88*12		114222					62	88	12
62*89*12		110638					62	89	12
62*90*10	100863	400754	105622	111253	195622	191253	62	90	10
62*90*11	102393	112403					62	90	11
62*90*12		102438	104709		194709		62	90	12
62*90*13	101294	100452	102231				62	90	13
62*92*12		111475					62	92	12
62*93*10		111928					62	93	10
62*93*12		112535					62	93	12
62*93*13		112858					62	93	13

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
62*95*10		102848					62	95	10
62*95*13		104135					62	95	13
62*100*10		103492					62	100	10
62*100*12		105819					62	100	12
62*100*13		100883		110489		190489	62	100	13
62*110*10		107415					62	110	10
62*110*12	109872						62	110	12
62*110*13	105407	103093					62	110	13
62*120*12		113644		182089			62	120	12
62*120*13				112089		192089	62	120	13
63*75*5		115997					63	75	5
63*75*6				107240		197240	63	75	6
63*75*9		109194					63	75	9
63*78*8			114250				63	78	8
63*80*8	113287						63	80	8
63*80*9		104277					63	80	9
63*80*10		108084					63	80	10
63*80*12		113444		104991		194991	63	80	12
63*80*13				108821		198821	63	80	13
63*82*9				108527		198527	63	82	9
63*82*10				188527			63	82	10
63*83*9.5		111723					63	83	9.5
63*83*11		115914					63	83	11
63*83*12	116228			112073		192073	63	83	12
63*85*8		109538	113768		193768		63	85	8
63*85*10	101216	105669		110080		190080	63	85	10
63*85*12		107927	104710	110788	194710	190788	63	85	12
63*85*13	102241						63	85	13
63*88*10	110398	111015					63	88	10
63*88*12		102861					63	88	12
63*90*10	110215	103909					63	90	10
63*90*12		110418					63	90	12
63*90*13				111669		191669	63	90	13
63*95*14				112274		192274	63	95	14
63*100*10		112539					63	100	10
63*100*12				110730		190730	63	100	12
63*100*13	103442	112149					63	100	13
63*110*12	108002						63	110	12
63*110*13	102838						63	110	13
63.5*76.2*6.35		115257		109748		199748	63.5	76.2	6.35
63.5*76.2*7.93		108706					63.5	76.2	7.93
63.5*76.2*9.53		105141					63.5	76.2	9.53
63.5*79.38*6.35	109409						63.5	79.38	6.35
63.5*79.38*9.53		115699					63.5	79.38	9.53
63.5*80.16*7.95			113001		193001		63.5	80.16	7.95
63.5*80.96*9.52	101337						63.5	80.96	9.52

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
63.5*80.98*9.53		112114					63.5	80.98	9.53
63.5*80.98*11.13			116158		196158		63.5	80.98	11.13
63.5*82.55*6.35				111580		191580	63.5	82.55	6.35
63.5*82.55*9.53	109646	104081		431604			63.5	82.55	9.53
63.5*82.55*11.13				101153		191153	63.5	82.55	11.13
63.5*82.55*12.7	400132			107101		197101	63.5	82.55	12.7
63.5*84.94*7.95		116327					63.5	84.94	7.95
63.5*84.94*11.91				107839		197839	63.5	84.94	11.91
63.5*85*10		107705					63.5	85	10
63.5*85*12		111366					63.5	85	12
63.5*85.72*12.7		101524				190419	63.5	85.72	12.7
63.5*85.73*7.95		104224					63.5	85.73	7.95
63.5*85.73*9.53		115292					63.5	85.73	9.53
63.5*85.73*12.7				110419			63.5	85.73	12.7
63.5*88.9*6.35	109265						63.5	88.9	6.35
63.5*88.9*7.95				109570		199570	63.5	88.9	7.95
63.5*88.9*9.52				107336		197336	63.5	88.9	9.52
63.5*88.9*9.53		104787					63.5	88.9	9.53
63.5*88.9*11.13			106011		196011		63.5	88.9	11.13
63.5*88.9*11.29				113630		193630	63.5	88.9	11.29
63.5*88.9*12.7	400052	106038		106630		196630	63.5	88.9	12.7
63.5*88.9*15.88				112522		192522	63.5	88.9	15.88
63.5*89.92*12.7	430055						63.5	89.92	12.7
63.5*90*12.5			101531		191531		63.5	90	12.5
63.5*90*13	110919						63.5	90	13
63.5*90.09*11.13		110713					63.5	90.09	11.13
63.5*90.09*11.91		105247					63.5	90.09	11.91
63.5*90.09*12.7		105530					63.5	90.09	12.7
63.5*92.07*12.7	111204	113051					63.5	92.07	12.7
63.5*95.25*9.53		115989					63.5	95.25	9.53
63.5*95.25*11.13				110716		190716	63.5	95.25	11.13
63.5*95.25*12.7	101126	106070		108798		198798	63.5	95.25	12.7
63.5*98.43*11.91				111878		191878	63.5	98.43	11.91
63.5*101.6*9.53				108988		198988	63.5	101.6	9.53
63.5*101.6*11.91	112236						63.5	101.6	11.91
63.5*101.6*12.7	112293						63.5	101.6	12.7
64*80*7	109634						64	80	7
64*80*8	106016	400601		100522			64	80	8
64*80*10		108884		110092		190092	64	80	10
64*80*13		105325					64	80	13
64*82*7		112568		110732		190732	64	82	7
64*82*8		107416					64	82	8
64*85*8		103961					64	85	8
64*85*10		101773	101568		191568		64	85	10
64*85*12		109833					64	85	12
64*85*13	112204						64	85	13

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
64*85*16		103934					64	85	16
64*88*8		115305					64	88	8
64*88*12	113194						64	88	12
64*89*13.2 H			410006				64	89	13.2
64*90*9				105984			64	90	9
64*90*10			102693		192693		64	90	10
64*90*12				183555			64	90	12
64*90*13		101606	106183	103555	196183	193555	64	90	13
64*95*10		113761					64	95	10
64*100*13			112179		192179		64	100	13
64*120*12		110885					64	120	12
64.29*82.55*9.53				109172		199172	64.29	82.55	9.53
64.29*120.24*9.53		104171					64.29	120.24	9.53
64.8*103.07*11.43	100939						64.8	103.07	11.43
65*75*5	106784	116417					65	75	5
65*75*6		112694					65	75	6
65*75*7	109950	115985					65	75	7
65*75*8		108504					65	75	8
65*75*10		103527					65	75	10
65*77*7				115799			65	77	7
65*77*8.5	114991						65	77	8.5
65*77*12				106539			65	77	12
65*80*7		115916					65	80	7
65*80*8	102233	101598	100362	105756			65	80	8
65*80*9				106112			65	80	9
65*80*10	101338	115386		101132		191132	65	80	10
65*80*11		108085					65	80	11
65*80*12	102212	106830	106100	110871	196100	190871	65	80	12
65*80*13	101447						65	80	13
65*81*13		107206					65	81	13
65*82*8		108386					65	82	8
65*82*9		108331					65	82	9
65*82*10	106599	109987	107343		197343		65	82	10
65*82*12	109281						65	82	12
65*83*9				112291		192291	65	83	9
65*83*10		109976		108616		198616	65	83	10
65*83*13				112734			65	83	13
65*84*9		111076					65	84	9
65*85*5	105975						65	85	5
65*85*8	105726	106802	110550				65	85	8
65*85*9	114299						65	85	9
65*85*10	100741	106531	101370	400816	191370		65	85	10
65*85*12	101540	101339	103129	109924	193129	199924	65	85	12
65*85*13	101295	100890	101296		191296		65	85	13
65*85*16		106872		108240		198240	65	85	16
65*86*10		113679					65	86	10

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
65*88*8	106524	108829					65	88	8
65*88*10		103874					65	88	10
65*88*12		101217		113392			65	88	12
65*89*12.5		115191					65	89	12.5
65*90*7		114879					65	90	7
65*90*8		102760	112251		192251		65	90	8
65*90*10	100860	103057	101297	109738	191297	199738	65	90	10
65*90*12	101535	100107	101794	104540	191794	194540	65	90	12
65*90*13	101482	115792	101313	100036	191313	190036	65	90	13
65*90*15		114380		114369		194369	65	90	15
65*92*12	101298			105132			65	92	12
65*92*13		106767		110283		190283	65	92	13
65*92*14				112294		192294	65	92	14
65*95*8		114336					65	95	8
65*95*10	108966	102340	104711		194711		65	95	10
65*95*12		105457					65	95	12
65*95*13		101099	104712	110666	194712	190666	65	95	13
65*95*14		107364					65	95	14
65*98*12				111382		191382	65	98	12
65*100*6		110554					65	100	6
65*100*8		112219	111997		191997		65	100	8
65*100*9.5		108644					65	100	9.5
65*100*10	101223	100818	104543	110029	194543	190029	65	100	10
65*100*12		101832		110474		190474	65	100	12
65*100*13	105698	100447	104713	103645	194713	193645	65	100	13
65*100*15		108813					65	100	15
65*102*13		104741					65	102	13
65*105*10				109743		199743	65	105	10
65*105*12		104742					65	105	12
65*110*10		107197		112126		192126	65	110	10
65*110*12		110892		108894		198894	65	110	12
65*110*13		102725					65	110	13
65*115*12		102761					65	115	12
65*115*13		111966					65	115	13
65*115*15		111967					65	115	15
65*120*8	112637						65	120	8
65*120*10		107959		109520		199520	65	120	10
65*120*12	116099	108201					65	120	12
65*120*13		106740					65	120	13
65*125*12	102213						65	125	12
65*130*12		114636					65	130	12
65*140*10		111024					65	140	10
65.08*85.72*9.52	102444						65.08	85.72	9.52
65.1*79.38*9.53				115460		195460	65.1	79.38	9.53
65.1*88.9*12.7				109311		199311	65.1	88.9	12.7
65.1*90.09*9.53				115711		195711	65.1	90.09	9.53

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
65.1*92.02*11.13				101154	191154		65.1	92.02	11.13
65.1*95.25*12.7	113443			109837		199837	65.1	95.25	12.7
65.89*88.9*12.7				114354		194354	65.89	88.9	12.7
66*80*9				106075		196075	66	80	9
66*80*10		112460					66	80	10
66*85*10				108994		198994	66	85	10
66*90*8	112990						66	90	8
66*90*10				109857		199857	66	90	10
66*90*13		114833	103314		193314		66	90	13
66*92*11			114754		194754		66	92	11
66*92.2*13				111990			66	92.2	13
66.67*85.72*9.52		102179					66.67	85.72	9.52
66.67*88.9*12.7	106462						66.67	88.9	12.7
66.67*92.07*12.7	101555	103185					66.67	92.07	12.7
66.68*82.55*9.53		115659					66.68	82.55	9.53
66.68*84.94*12.7				109163		199163	66.68	84.94	12.7
66.68*85.59*12.7				107449		197449	66.68	85.59	12.7
66.68*85.72*12.7						187449	66.68	85.72	12.7
66.68*85.73*7.95	108941						66.68	85.73	7.95
66.68*85.73*9.53				114850		194850	66.68	85.73	9.53
66.68*88.9*9.53		106141		109541		199541	66.68	88.9	9.53
66.68*88.9*11.13			112653		192653		66.68	88.9	11.13
66.68*88.9*12.7		104990					66.68	88.9	12.7
66.68*90.09*11.13			114602		194602		66.68	90.09	11.13
66.68*90.09*11.91		107706					66.68	90.09	11.91
66.68*90.09*12.7				109446		199446	66.68	90.09	12.7
66.68*92.07*9.53	107986	108045					66.68	92.07	9.53
66.68*92.07*11.13					187104		66.68	92.07	11.13
66.68*92.07*11.91	113223			107104		197104	66.68	92.07	11.91
66.68*92.07*12.7				108103		198103	66.68	92.07	12.7
66.68*93.68*12.7		109638		109776		199776	66.68	93.68	12.7
66.68*95.25*9.53		108554		108246		198246	66.68	95.25	9.53
66.68*95.25*12.7	109647	105964		108651		198651	66.68	95.25	12.7
66.68*98.43*11.89				107152		197152	66.68	98.43	11.89
66.68*98.43*12.7				108522		198522	66.68	98.43	12.7
66.68*101.6*9.53				113543		193543	66.68	101.6	9.53
66.68*101.6*12.7		106231					66.68	101.6	12.7
66.68*110.91*11.13				113693		193693	66.68	110.91	11.13
67*80*6.7	112611						67	80	6.7
67*80*10			102308	108284		198284	67	80	10
67*82*7		101730					67	82	7
67*85*8				111882		191882	67	85	8
67*85*10		109791	102554	107624	192554	197624	67	85	10
67*90*13		114160					67	90	13
67*95*13				114655		194655	67	95	13
67*100*13		111969					67	100	13

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
68*78*7			107676		197676		68	78	7
68*80*7	102950						68	80	7
68*80*8	105871	109450	113228		193228		68	80	8
68*80*10		106928					68	80	10
68*82*7	100028	106808					68	82	7
68*82*10	110729						68	82	10
68*83*10		103918					68	83	10
68*85*8	102191	107020		114289		194289	68	85	8
68*85*10	101627	106171	110904		190904		68	85	10
68*85*12		113582					68	85	12
68*85*13	108414	108529					68	85	13
68*86*8		109501					68	86	8
68*86*10		112155					68	86	10
68*87*8		105493					68	87	8
68*88*9		108596					68	88	9
68*88*10				100108		190108	68	88	10
68*88*12		102862					68	88	12
68*88.9*12				101974			68	88.9	12
68*90*7		108606					68	90	7
68*90*8		115630	430583				68	90	8
68*90*10	103479	440045	101868	400508	191868		68	90	10
68*90*12	102242	102877		105663		195663	68	90	12
68*90*13	103182	100202		105181		195181	68	90	13
68*92*12				110674		190674	68	92	12
68*94*8		100577					68	94	8
68*95*10	102012	110416		110336		190336	68	95	10
68*95*12	107934	116362					68	95	12
68*95*13	103028	100845		103226		193226	68	95	13
68*98*10		110164					68	98	10
68*100*10	106439	109448	100002		190002		68	100	10
68*100*12		106695		108243		198243	68	100	12
68*100*13	101448	104349					68	100	13
68*110*10		112904					68	110	10
68*110*13		104856	107017	107431	197017	197431	68	110	13
68*115*13	115838						68	115	13
68*120*7		110908					68	120	7
68.28*88.9*9.53		104953					68.28	88.9	9.53
68.28*95.25*12.7	101183	105793		116065		196065	68.28	95.25	12.7
68.28*101.6*12.7	112000						68.28	101.6	12.7
69*85*8	380030	106142	107375		197375		69	85	8
69*85*10		105886		101957			69	85	10
69*90*10	109300	112220					69	90	10
69.85*82.55*6.35		112504					69.85	82.55	6.35
69.85*85.73*7.95		115284					69.85	85.73	7.95
69.85*85.73*12.7	109917						69.85	85.73	12.7
69.85*88.9*9.52	101399						69.85	88.9	9.52

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
69.85*88.9*9.53		104075		109834		199834	69.85	88.9	9.53
69.85*88.9*11.13				110785		190785	69.85	88.9	11.13
69.85*88.9*12.7	100669	105653		107537		197537	69.85	88.9	12.7
69.85*88.9*14.3		109703					69.85	88.9	14.3
69.85*90.09*12.7				116491		196491	69.85	90.09	12.7
69.85*92.07*11.13		113329					69.85	92.07	11.13
69.85*92.07*12.7	109908		111177		191177		69.85	92.07	12.7
69.85*95.25*7.95	108649						69.85	95.25	7.95
69.85*95.25*9.52		101782					69.85	95.25	9.52
69.85*95.25*11.13		112845					69.85	95.25	11.13
69.85*95.25*12.7	101997	106232	101617	108400	191617	198400	69.85	95.25	12.7
69.85*95.25*15.88				106009		196009	69.85	95.25	15.88
69.85*98.42*11.91			103239		193239		69.85	98.42	11.91
69.85*98.42*12.7	101744						69.85	98.42	12.7
69.85*98.43*11.13		105931		111431		191431	69.85	98.43	11.13
69.85*98.43*12.7		110804		109395		199395	69.85	98.43	12.7
69.85*98.45*9.52				410050			69.85	98.45	9.52
69.85*101.6*12.7		113116		109290		199290	69.85	101.6	12.7
69.85*101.68*9.53				114275		194275	69.85	101.68	9.53
69.85*101.68*11.13			105241		195241		69.85	101.68	11.13
69.85*104.78*11.13			111465	113157	191465	193157	69.85	104.78	11.13
69.85*104.78*12.7	116543						69.85	104.78	12.7
69.85*107.95*12.7				108717		198717	69.85	107.95	12.7
69.85*114.3*12.7	112209						69.85	114.3	12.7
69.85*117.48*10.31				114942		194942	69.85	117.48	10.31
70*80*6	109376						70	80	6
70*80*8		107635					70	80	8
70*80*10		105421					70	80	10
70*80*12		110745					70	80	12
70*81.5*6.5	101783						70	81.5	6.5
70*82*12				102200			70	82	12
70*84*8		109028					70	84	8
70*85*5		115905					70	85	5
70*85*6	106372		103675				70	85	6
70*85*7	102036	113924					70	85	7
70*85*8	104684	102722	101556	101926	191556		70	85	8
70*85*9		114682	181556				70	85	9
70*85*10	106103	105014					70	85	10
70*85*12		109065		109922		199922	70	85	12
70*85*13			112510		192510		70	85	13
70*85*15		114581					70	85	15
70*86*8.5	110216						70	86	8.5
70*86*10				112406		192406	70	86	10
70*86*12	114067						70	86	12
70*88*8		101973					70	88	8
70*88*9	111124	111332					70	88	9

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
70*88*10	380071	106143					70	88	10
70*88*12		114923		112007		192007	70	88	12
70*89*12		109895					70	89	12
70*90*5	105976						70	90	5
70*90*6		114061					70	90	6
70*90*7	106506	106756					70	90	7
70*90*8	100732	109178					70	90	8
70*90*10	100271	100203	100982	100521	190982	190521	70	90	10
70*90*11		109911		106113			70	90	11
70*90*12	101400	103758	106404	104891	196404	194891	70	90	12
70*90*13	110792	100407	101833	108395	191833	198395	70	90	13
70*90*13.5				107428		197428	70	90	13.5
70*90*15		110928					70	90	15
70*92*9		109691					70	92	9
70*92*10		108104	111836		191836		70	92	10
70*92*12	102666	400186	110831	112525	190831	192525	70	92	12
70*92*13	116106	105799	113491		193491		70	92	13
70*93*12		115106					70	93	12
70*94*10		106520		114798		194798	70	94	10
70*94*12		106521					70	94	12
70*95*8		111724		109929		199929	70	95	8
70*95*10	101187	103245	100813	110434	190813	190434	70	95	10
70*95*12	102013	105458		113894		193894	70	95	12
70*95*13	101299	101218	101607	100667	191607	190667	70	95	13
70*95*14		110465					70	95	14
70*96*13	111578						70	96	13
70*97*10		115802					70	97	10
70*98*13		109099					70	98	13
70*100*6	103098		114608		194608		70	100	6
70*100*8	102155	102341					70	100	8
70*100*10	100983	100952	102246	103065	192246	193065	70	100	10
70*100*12	440060	112239		100814		190814	70	100	12
70*100*13	107141	103775	101525	105250	191525	195250	70	100	13
70*100*14		103676					70	100	14
70*100*15		114568					70	100	15
70*100*16	112578						70	100	16
70*102*12.5	107935						70	102	12.5
70*102*13		103942					70	102	13
70*102*15		108231		109240		199240	70	102	15
70*105*10		104196		110600		190600	70	105	10
70*105*12		110781					70	105	12
70*105*13	104158	106541	100530	111680	190530	191680	70	105	13
70*105*15		109504					70	105	15
70*106*14				107614		197614	70	106	14
70*110*8	114228	101869					70	110	8
70*110*10	100992	101058					70	110	10

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
70*110*12	103267	106068		111413		191413	70	110	12
70*110*13	440046	100170		102352		192352	70	110	13
70*110*14		111725					70	110	14
70*112*12	101449	109839					70	112	12
70*112*13		101690					70	112	13
70*115*13		102763	107392		197392		70	115	13
70*115*15		106624					70	115	15
70*120*10		105750		103337		193337	70	120	10
70*120*12		108003					70	120	12
70*120*13	110728	108138	105598	110294		190294	70	120	13
70*120*14		111726					70	120	14
70*125*10	103538	113460					70	125	10
70*125*12		108316		116589		196589	70	125	12
70*130*12		110849		108269		198269	70	130	12
70*135*12	104098						70	135	12
70*140*12				112027		192027	70	140	12
70*150*12		114925					70	150	12
71*88*8		100699		102579			71	88	8
71*88*10		104630					71	88	10
71*112*9.5		114361					71	112	9.5
71.45*90.5*15.09				115081		195081	71.45	90.5	15.09
71.45*92.08*9.53		107093					71.45	92.08	9.53
71.45*95.25*12.7				109075		199075	71.45	95.25	12.7
71.45*98.43*11.91	106560			110052		190052	71.45	98.43	11.91
71.45*101.6*9.53		113585					71.45	101.6	9.53
71.45*101.6*12.7				112465		192465	71.45	101.6	12.7
71.81*86.05*7		101811					71.81	86.05	7
71.83*95.66*7.14	110174						71.83	95.66	7.14
72*82*6			106581				72	82	6
72*84*7				102214			72	84	7
72*85*8	109678	114430					72	85	8
72*85*10	105727	108311					72	85	10
72*86*7		108105					72	86	7
72*88*8		100666					72	88	8
72*90*8	102505			106359			72	90	8
72*90*10	105245	114612	102694	100783	192694	190783	72	90	10
72*90*12		102765					72	90	12
72*90*13		101975		110282		190282	72	90	13
72*92*12		107270					72	92	12
72*94*8				106089			72	94	8
72*94*10				105062			72	94	10
72*94*12		107004					72	94	12
72*95*10	105573	102764		109938		199938	72	95	10
72*95*12	101349	107960					72	95	12
72*95*13		100946	108091	110458	198091	190458	72	95	13
72*96*9		115582					72	96	9

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
72*100*10	104351	100450		111435		191435	72	100	10
72*100*12		401015		109935		199935	72	100	12
72*100*13	101300	102192		103943		193943	72	100	13
72*102*12		116379					72	102	12
72*105*10		108397					72	105	10
72*105*13	100761	103944	106268	100650	196268	190650	72	105	13
72*110*12	104032						72	110	12
72*110*13		104995					72	110	13
72*120*12				110597		190597	72	120	12
72*125*12		111943					72	125	12
72*130*10	110035						72	130	10
72*130*12	107675						72	130	12
72*140*12		112217	112861	113281	192861	193281	72	140	12
72*180*12		115179					72	180	12
72.21*100.05*12.57				410058			72.21	100.05	12.57
73*90*7		107052					73	90	7
73*90*8				103357			73	90	8
73*90*10	114283						73	90	10
73*93*13		106144					73	93	13
73*95*10	102611						73	95	10
73*96*9		111274					73	96	9
73*100*10				110433		190433	73	100	10
73*100*13				111623		191623	73	100	13
73*104*7		113461					73	104	7
73*112*12			114635		194635		73	112	12
73.02*85.73*4.78	111825						73.02	85.73	4.78
73.02*88.9*7.95		112349					73.02	88.9	7.95
73.02*92.07*7.95				113652		193652	73.02	92.07	7.95
73.02*92.07*9.52	103396	103313	101958				73.02	92.07	9.52
73.02*92.07*9.53				101948		191948	73.02	92.07	9.53
73.02*95.25*4.78		114990					73.02	95.25	4.78
73.02*95.25*12.7	102827	109000	102501	114048		194048	73.02	95.25	12.7
73.02*98.42*11.11			106319		196319		73.02	98.42	11.11
73.02*98.43*12.7		114831					73.02	98.43	12.7
73.02*100.03*9.53				112935		192935	73.02	100.03	9.53
73.02*101.6*9.53	111195		112393		192393		73.02	101.6	9.53
73.02*101.6*12.7				114407		194407	73.02	101.6	12.7
73.02*101.6*15.47		109156					73.02	101.6	15.47
73.03*95.25*9.53		110529	106657		380169		73.03	95.25	9.53
73.03*101.6*12.7		106233					73.03	101.6	12.7
73.03*101.6*17.48		108979					73.03	101.6	17.48
74*88*8		111809		114479		194479	74	88	8
74*88*12		105015					74	88	12
74*89*12		106519					74	89	12
74*90*8		114842					74	90	8
74*90*10		107454	112053	115416	192053	195416	74	90	10

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
74*90*12		108244					74	90	12
74*90*13		106162					74	90	13
74*93*12		114167					74	93	12
74*94*10		111810					74	94	10
74*95*7		108660					74	95	7
74*95*10		109892					74	95	10
74*95*13				109293		199293	74	95	13
74*96*9		115080					74	96	9
74*96*12		103377					74	96	12
74*97*12		103359					74	97	12
74*98*10		105892					74	98	10
74*98*12		107424					74	98	12
74*100*10				114302		194302	74	100	10
74*100*13		107677					74	100	13
74*101.78*12.7				101653			74	101.78	12.7
74*102*13		107417					74	102	13
74*104*10		114966					74	104	10
74*105*12	103029	109485					74	105	12
74.2*114.65*12.7		106717					74.2	114.65	12.7
74.61*95.25*9.52	101812						74.61	95.25	9.52
74.61*101.6*15.87				103075		193075	74.61	101.6	15.87
74.63*92.07*9.53			107577		197577		74.63	92.07	9.53
74.63*95.25*9.53		116594		109143		199143	74.63	95.25	9.53
74.63*98.43*12.7		111973		115193		195193	74.63	98.43	12.7
74.63*101.6*11.91				107105		197105	74.63	101.6	11.91
74.63*101.6*12.7		103999					74.63	101.6	12.7
74.63*101.6*15.88		112649					74.63	101.6	15.88
74.63*104.78*14.3			114894		194894		74.63	104.78	14.3
74.63*114.3*11.91				114349		194349	74.63	114.3	11.91
75*85*6		111617					75	85	6
75*85*10		103528					75	85	10
75*90*7		109004	112115		192115		75	90	7
75*90*8	103612	104747	103537	112814		192814	75	90	8
75*90*10	107217	101677	105828	111243	195828	191243	75	90	10
75*90*11.5		102576					75	90	11.5
75*90*12		108086	102116		192116		75	90	12
75*90*13	112446	100166		108162		198162	75	90	13
75*92*6	114748						75	92	6
75*92*7	102445						75	92	7
75*92*12		108447					75	92	12
75*94*8.1	110505						75	94	8.1
75*94*12		109961					75	94	12
75*95*5	105977		102613				75	95	5
75*95*7		103709					75	95	7
75*95*8	105353	105558	105231				75	95	8
75*95*9		101059					75	95	9

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
75*95*10	100564	101745	101998	101591	191998	191591	75	95	10
75*95*12	103262	104326		103386		193386	75	95	12
75*95*13	101340	100603	105326	102271	195326	192271	75	95	13
75*95*14		105689					75	95	14
75*96*11				104975			75	96	11
75*98*12		107030		107921		197921	75	98	12
75*100*7	107947						75	100	7
75*100*10	100563	102736	101129	102408	191129	192408	75	100	10
75*100*12	440100	101834	101628		191628		75	100	12
75*100*13	103929	103824	101678	103100	191678	193100	75	100	13
75*100*15		112116					75	100	15
75*102*10		114825					75	102	10
75*102*12	380263	109659					75	102	12
75*102*13		102976		102977			75	102	13
75*105*10		107069	108780	113697	198780	193697	75	105	10
75*105*12	105095	105215	102066	101928	192066	191928	75	105	12
75*105*13	440103	106622	102840	100169	192840		75	105	13
75*105*15		100035		105069		195069	75	105	15
75*106*6		115021					75	106	6
75*106*10		114480					75	106	10
75*106*13		105427					75	106	13
75*107*10	109757						75	107	10
75*108*10		105016					75	108	10
75*108*13				100606			75	108	13
75*110*8		116317					75	110	8
75*110*10		102767					75	110	10
75*110*12	105670	102555	102500	183529	192500		75	110	12
75*110*13	104612	103433	103127	103529	193127	193529	75	110	13
75*115*8		116471					75	115	8
75*115*9.5		107168					75	115	9.5
75*115*10	101161	102766		110608		190608	75	115	10
75*115*12	106349	107167		106983			75	115	12
75*115*13	116261	103678		113903		193903	75	115	13
75*120*10		110585	107387	113750	197387	193750	75	120	10
75*120*12		105166		112160		192160	75	120	12
75*120*13		104136		110332		190332	75	120	13
75*121*13		103228		100251			75	121	13
75*122*12				112974		192974	75	122	12
75*122*13				101979			75	122	13
75*125*12	109449	115427					75	125	12
75*130*10		111668					75	130	10
75*130*12	110378			112743		192743	75	130	12
75*130*13	102377	110780					75	130	13
76*90*10	114190						76	90	10
76*93*10		111842					76	93	10
76*94*12		112241					76	94	12

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
76*95*10			116470		196470		76	95	10
76*96*12		112067					76	96	12
76*98*12		102926					76	98	12
76*100*10		113038					76	100	10
76*100*12		110163					76	100	12
76*102*12	109539	109635					76	102	12
76*105*12	109171						76	105	12
76*105*13	103030	106929					76	105	13
76*110*13	111186						76	110	13
76*121*14		111744					76	121	14
76.2*85.73*4.95			100843				76.2	85.73	4.95
76.2*88.9*6.35	115534		410394	108399		198399	76.2	88.9	6.35
76.2*88.9*9.53		115519					76.2	88.9	9.53
76.2*95.25*7.95		111906					76.2	95.25	7.95
76.2*95.25*9.52	430062						76.2	95.25	9.52
76.2*95.25*9.53		104778		110901		190901	76.2	95.25	9.53
76.2*95.25*11.13				114779		194779	76.2	95.25	11.13
76.2*95.25*12.7	106269			114835		194835	76.2	95.25	12.7
76.2*98.43*9.53		111778					76.2	98.43	9.53
76.2*98.43*12.7				109334		199334	76.2	98.43	12.7
76.2*101.6*9.53	107558	108613					76.2	101.6	9.53
76.2*101.6*11.11						187106	76.2	101.6	11.11
76.2*101.6*11.13		107276		112375		192375	76.2	101.6	11.13
76.2*101.6*11.91				107106		197106	76.2	101.6	11.91
76.2*101.6*12.7	101018	101526		115083		195083	76.2	101.6	12.7
76.2*101.68*11.13			100859	105483	190859	195483	76.2	101.68	11.13
76.2*104.78*11.91				107438		197438	76.2	104.78	11.91
76.2*104.78*12.7		113950					76.2	104.78	12.7
76.2*104.78*14.3				108157		198157	76.2	104.78	14.3
76.2*107.95*11.13		105751		114310		194310	76.2	107.95	11.13
76.2*107.95*12.7	101746	102215		109384		199384	76.2	107.95	12.7
76.2*107.95*15.88				101947		191947	76.2	107.95	15.88
76.2*110*12.7				116066		196066	76.2	110	12.7
76.2*111.13*15.88				112721		192721	76.2	111.13	15.88
76.2*114.3*11.13				109179		199179	76.2	114.3	11.13
76.2*114.3*12.7		102404					76.2	114.3	12.7
76.2*114.3*15.88	115499						76.2	114.3	15.88
76.2*120.65*12.7				110396		190396	76.2	120.65	12.7
77*93*10				400819			77	93	10
77*95*10	106460		102949		192949		77	95	10
77*95.5*9.5		112094					77	95.5	9.5
77*98*10		113680					77	98	10
77*100*10	102409		101557		191557		77	100	10
77*100*11.5		101852					77	100	11.5
77.77*103.89*13.16	100940						77.77	103.89	13.16
77.8*95.25*11.13		105100					77.8	95.25	11.13

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
77.8*95.25*12.7		113765					77.8	95.25	12.7
77.8*104.78*12.7		104954					77.8	104.78	12.7
77.8*107.95*12.7		109470					77.8	107.95	12.7
78*90*8	110502						78	90	8
78*95*8			100361				78	95	8
78*95*11	103435	109428					78	95	11
78*95*13			113346	109636	193346	199636	78	95	13
78*98*5	113581						78	98	5
78*98*12		110806					78	98	12
78*100*10	100478	105822					78	100	10
78*100*12		111111	102084		192084		78	100	12
78*100*13	105489	105158		111282		191282	78	100	13
78*105*10				111635		191635	78	105	10
78*105*13	106525	116076	102685				78	105	13
78*110*10		110723					78	110	10
78*110*12	105728	110107		109195		199195	78	110	12
78*110*13		101647					78	110	13
78*113*13	108541						78	113	13
78*115*10	103289	106930					78	115	10
78*115*13				109555		199555	78	115	13
78*120*7		108087					78	120	7
78*136*16		116366					78	136	16
79*97*10				115085			79	97	10
79*110*12	110961						79	110	12
79*120*13				113911		193911	79	120	13
79.37*101.6*11.11				103248		193248	79.37	101.6	11.11
79.37*104.77*12.7	101401						79.37	104.77	12.7
79.37*107.95*12.7	102342						79.37	107.95	12.7
79.38*98.43*6.35		116234					79.38	98.43	6.35
79.38*98.43*7.95				111564		191564	79.38	98.43	7.95
79.38*98.43*12.7	110515						79.38	98.43	12.7
79.38*101.6*9.53				114943		194943	79.38	101.6	9.53
79.38*101.6*12.7	108977						79.38	101.6	12.7
79.38*104.78*12.7		109918		114337		194337	79.38	104.78	12.7
79.38*105.97*7.54				410034			79.38	105.97	7.54
79.38*107.95*9.53				113672		193672	79.38	107.95	9.53
79.38*107.95*12.7				102797		192797	79.38	107.95	12.7
79.38*107.95*15.88				114047		194047	79.38	107.95	15.88
79.38*111.13*12.7				112678		192678	79.38	111.13	12.7
79.38*114.3*12.7		108394					79.38	114.3	12.7
79.38*114.3*15.88	112960						79.38	114.3	15.88
79.38*114.71*12.7		100227					79.38	114.71	12.7
79.38*120.65*12.7	114224	115177					79.38	120.65	12.7
80*90*6		107571					80	90	6
80*90*7		115986					80	90	7
80*90*8		115007					80	90	8

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
80*90*10		111153					80	90	10
80*95*8	101037	103254	111675		191675		80	95	8
80*95*10		106529					80	95	10
80*95*12		109067					80	95	12
80*95*13	114975						80	95	13
80*98*13			107596		197596		80	98	13
80*99*7	109997						80	99	7
80*100*7	105978	101567					80	100	7
80*100*8	380097	108176					80	100	8
80*100*9			114580		194580		80	100	9
80*100*10	100307	100933	100865	106108	190865	196108	80	100	10
80*100*11	115060						80	100	11
80*100*12	440028	104554	101527	101103	191527	191103	80	100	12
80*100*13	101368	100168	101592	101999	191592	191999	80	100	13
80*100*14		107466					80	100	14
80*100*15		111073					80	100	15
80*100*18		104009					80	100	18
80*105*8		107051					80	105	8
80*105*8.5		109536					80	105	8.5
80*105*10	107170	113592		114000		194000	80	105	10
80*105*12	101479	105422		102506			80	105	12
80*105*13	101068	400141	102117	103968	192117	193968	80	105	13
80*105*14		106001		113213		193213	80	105	14
80*105*15		111641	100648	106225			80	105	15
80*108*15		111796					80	108	15
80*110*10	100919	102614	103099	111163	193099	191163	80	110	10
80*110*12	440034	104226	101528	111899	191528	191899	80	110	12
80*110*13	101302	104280	101784	105705	191784	195705	80	110	13
80*110*14		109862		115064		195064	80	110	14
80*110*15		109262					80	110	15
80*112*12			105397		195397		80	112	12
80*112*13				112273		192273	80	112	13
80*113*12	111463	112180		113557		193557	80	113	12
80*115*10	103770	106718		113608		193608	80	115	10
80*115*12	107223	110590					80	115	12
80*115*13	105955	106719		112536		192536	80	115	13
80*115*15		111462					80	115	15
80*120*10		106163					80	120	10
80*120*12		105115	103331		193331		80	120	12
80*120*13	105466	101978		110400		190400	80	120	13
80*125*8		113069		110272		190272	80	125	8
80*125*10		108254					80	125	10
80*125*12	116041	106255		110440		190440	80	125	12
80*125*13	101219	103599	101160	110796	191160	190796	80	125	13
80*125*14		110340					80	125	14
80*130*12		111017					80	130	12

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
80*130*13	101450	105800		110921		190921	80	130	13
80*140*12	100836	112456					80	140	12
80*140*13	103926	106466	104063		194063		80	140	13
80*145*13	104640						80	145	13
80*150*12				102768			80	150	12
80*150*14		113397					80	150	14
80*150*15		110852		106527		196527	80	150	15
80*150.5*13	111570						80	150.5	13
80*160*12		111909					80	160	12
80*170*13		111908					80	170	13
80.96*117.47*18.25	107024						80.96	117.47	18.25
80.96*120.65*12.7		107507					80.96	120.65	12.7
80.98*107.95*7.95		114156					80.98	107.95	7.95
80.98*107.95*12.7		104576		107456		197456	80.98	107.95	12.7
80.98*107.95*15.88			114629		194629		80.98	107.95	15.88
80.98*114.3*11.89			106440				80.98	114.3	11.89
80.98*114.3*11.91					410391		80.98	114.3	11.91
80.98*114.3*12.7				108536		198536	80.98	114.3	12.7
80.98*114.3*15.88				114847		194847	80.98	114.3	15.88
80.98*117.48*11.13				112445		192445	80.98	117.48	11.13
81*100*10			101620	112524	191620	192524	81	100	10
81*100*13				112383		192383	81	100	13
81*105*11	110242						81	105	11
82*100*8	109169	112695					82	100	8
82*100*12				109838		199838	82	100	12
82*102*12		104197					82	102	12
82*102*13				107783		197783	82	102	13
82*104*6		114892					82	104	6
82*105*10		440011					82	105	10
82*105*12	105772	108469		110304		190304	82	105	12
82*105*13		105815	106117	115400	196117	195400	82	105	13
82*105*14	103012						82	105	14
82*110*12	107858	109476					82	110	12
82*110*13		103825		110883		190883	82	110	13
82*114.65*13		103982					82	114.65	13
82*120*12		113753					82	120	12
82*120*13	114686						82	120	13
82*160*13				111795		191795	82	160	13
82.55*98.42*12.7				114364		194364	82.55	98.42	12.7
82.55*101.6*9.53		113729					82.55	101.6	9.53
82.55*101.6*12.7		104794		107591		197591	82.55	101.6	12.7
82.55*104.78*12.7				103623		193623	82.55	104.78	12.7
82.55*107.95*7.95	112390						82.55	107.95	7.95
82.55*107.95*9.53				103276			82.55	107.95	9.53
82.55*107.95*11.13				108227		198227	82.55	107.95	11.13
82.55*107.95*11.91				104879		194879	82.55	107.95	11.91

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
82.55*107.95*12.7		102900		108890		198890	82.55	107.95	12.7
82.55*107.95*15.88				104886		194886	82.55	107.95	15.88
82.55*111.13*9.53				108476		198476	82.55	111.13	9.53
82.55*111.13*12.7	103489						82.55	111.13	12.7
82.55*114.3*11.13				108303		198303	82.55	114.3	11.13
82.55*114.3*12.7		104790		106249		196249	82.55	114.3	12.7
82.55*114.3*14.3				108186		198186	82.55	114.3	14.3
82.55*114.3*15.88				110680		190680	82.55	114.3	15.88
82.55*117.48*11.13			116424		196424		82.55	117.48	11.13
82.55*117.48*12.7		110110	103277	109026	193277	199026	82.55	117.48	12.7
82.55*120.65*9.53		106234					82.55	120.65	9.53
82.55*120.65*11.91	103340						82.55	120.65	11.91
82.55*120.65*12.7				103250			82.55	120.65	12.7
82.55*127*12.7				112001		192001	82.55	127	12.7
82.55*133.35*12.7		111095	101721		191721		82.55	133.35	12.7
83*100*8		113681					83	100	8
83*100*9			108746		198746		83	100	9
83*100*13				108641		198641	83	100	13
83*105*12		111912					83	105	12
83*110*12		109116	102343		192343		83	110	12
83*110*13	116416	109429					83	110	13
83*142*13		112410					83	142	13
84*100*10	111353						84	100	10
84*100*13	110170			108101		198101	84	100	13
84*102*13		106145					84	102	13
84*104*10		113682					84	104	10
84*104*12		115862					84	104	12
84*105*12		109870					84	105	12
84*105*13	103269		103073		193073		84	105	13
84*110*10		116591					84	110	10
84*110*12			106222		196222		84	110	12
84*110*13				108764		198764	84	110	13
84*110*13.5		102304					84	110	13.5
84*110*16		106876					84	110	16
84*127*13				112064		192064	84	127	13
84.15*104.78*11.13			115660		195660		84.15	104.78	11.13
84.15*111.13*12.7		100226					84.15	111.13	12.7
84.15*114.3*12.7				112065		192065	84.15	114.3	12.7
84.15*114.3*15.88				108800		198800	84.15	114.3	15.88
84.15*120.65*12.7				113533		193533	84.15	120.65	12.7
84.15*127*12.7		105951					84.15	127	12.7
84.53*107.95*12.7		109321					84.53	107.95	12.7
84.94*114.65*12.7		107503					84.94	114.65	12.7
85*100*6		106274					85	100	6
85*100*7	111380		114699		194699		85	100	7
85*100*8		109036		112677		192677	85	100	8

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
85*100*9	101038	108972		107950		197950	85	100	9
85*100*10		104198		101976			85	100	10
85*100*12		105017	105812	107671	195812	197671	85	100	12
85*100*13		101593		111472		191472	85	100	13
85*102*9		105682					85	102	9
85*102*13	380323	103530		107601		197601	85	102	13
85*104*7		115722					85	104	7
85*105*6	114747						85	105	6
85*105*8	105729	106528					85	105	8
85*105*10	102487	102769	100838	101104	196144	191104	85	105	10
85*105*12		106006	102118	114499		194499	85	105	12
85*105*13	106500	103178	101188	100718	191188	190718	85	105	13
85*108*10				113559		193559	85	108	10
85*108*14				109268		199268	85	108	14
85*109*9	112271						85	109	9
85*110*7	105980		107570		197570		85	110	7
85*110*9		111444					85	110	9
85*110*10	111489	101019					85	110	10
85*110*12	100274	103168	106469	102344	196469	192344	85	110	12
85*110*13	101303	105044	100286	105509	190286	195509	85	110	13
85*110*15		105999	101498		191498		85	110	15
85*110*16				110053		190053	85	110	16
85*111*10		105283					85	111	10
85*114*13		105835					85	114	13
85*115*10		111429					85	115	10
85*115*12		111547		111314		191314	85	115	12
85*115*13	105052	104857	110417	108393	190417	198393	85	115	13
85*115*15	107582	107980					85	115	15
85*115*16	103308						85	115	16
85*117.55*12		104703					85	117.55	12
85*120*8	114806						85	120	8
85*120*10		101901					85	120	10
85*120*12	104303	110635	102703	109700		199700	85	120	12
85*120*13		104137	102360	108238	192360	198238	85	120	13
85*120*14		109705					85	120	14
85*120*15	108932	110257	101341		191341		85	120	15
85*120*17		115688					85	120	17
85*125*7	107589						85	125	7
85*125*12		107838					85	125	12
85*125*13		103605		113972		193972	85	125	13
85*125*14		106931					85	125	14
85*126*13	112133						85	126	13
85*130*6		115707					85	130	6
85*130*10		106703					85	130	10
85*130*12	102946	103086					85	130	12
85*130*13		105018		110359		190359	85	130	13

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
85*130*15		102928					85	130	15
85*130*22	109206						85	130	22
85*135*12		113602					85	135	12
85*135*13		104199					85	135	13
85*140*10		114708					85	140	10
85*140*12	101049	101050					85	140	12
85*140*13		103625	105754				85	140	13
85*140*14		115188					85	140	14
85*150*12	108493	108517					85	150	12
85*150*13	114217		110614		190614		85	150	13
85*160*13		112457					85	160	13
85.72*101.6*12.7	103311						85.72	101.6	12.7
85.72*111.12*9.52				107617		197617	85.72	111.12	9.52
85.72*111.12*12.7	103557						85.72	111.12	12.7
85.72*114.3*12.7				109812		199812	85.72	114.3	12.7
85.72*117.47*12.7		101657					85.72	117.47	12.7
85.72*133.35*12.7				108985		198985	85.72	133.35	12.7
85.73*98.43*9.53		115520					85.73	98.43	9.53
85.73*101.6*9.53		115283					85.73	101.6	9.53
85.73*104.78*9.53			107548		197548		85.73	104.78	9.53
85.73*107.95*12.7		108495					85.73	107.95	12.7
85.73*111.13*12.7		105214		110197		190197	85.73	111.13	12.7
85.73*114.3*12.7	103859	115016					85.73	114.3	12.7
85.73*114.3*14.3				114350		194350	85.73	114.3	14.3
85.73*114.3*15.88				115720		195720	85.73	114.3	15.88
85.73*117.48*9.53	430056		104314		194314		85.73	117.48	9.53
85.73*117.48*11.13				114482		194482	85.73	117.48	11.13
85.73*117.48*12.7				109151		199151	85.73	117.48	12.7
85.73*120.65*12.7		112601					85.73	120.65	12.7
85.73*123.82*12.7		115390					85.73	123.82	12.7
85.73*127*11.91				113912		193912	85.73	127	11.91
85.73*127*12.7	111473						85.73	127	12.7
86*100*7	113120						86	100	7
86*100*9	115261						86	100	9
86*100*10		115149					86	100	10
86*105*13				109687		199687	86	105	13
86*106*8		109415					86	106	8
86*110*13	101020						86	110	13
86*125*13	113774						86	125	13
87*105*9		106310					87	105	9
87*110*13	103008						87	110	13
87*114.65*13		103255					87	114.65	13
87.31*114.3*12.7	101608	103402					87.31	114.3	12.7
87.33*107.95*9.53		113277					87.33	107.95	9.53
87.33*107.95*15.88				108136		198136	87.33	107.95	15.88
87.33*114.3*9.53				113130		193130	87.33	114.3	9.53

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
87.33*114.3*11.13				116067		196067	87.33	114.3	11.13
87.33*114.3*12.7		104077					87.33	114.3	12.7
87.33*114.3*15.88		108150					87.33	114.3	15.88
87.33*117.48*9.53			115491		195491		87.33	117.48	9.53
87.33*117.48*12.7				111185		191185	87.33	117.48	12.7
87.33*120.65*12.7	109416	113541					87.33	120.65	12.7
87.33*120.65*14.3		105965					87.33	120.65	14.3
88*100*13	111217						88	100	13
88*105*12				109715		199715	88	105	12
88*105*13				115308		195308	88	105	13
88*106*8.5		115053					88	106	8.5
88*106*10		111328					88	106	10
88*108*11		111370					88	108	11
88*110*12	105585	103846					88	110	12
88*110*13	100953	103598		110528		190528	88	110	13
88*115*9	115429						88	115	9
88*115*12		109329		111830		191830	88	115	12
88*115*13				105862		195862	88	115	13
88*120*12	108654						88	120	12
88*120*13		103246	114366		194366		88	120	13
88*125*13				109828		199828	88	125	13
88*126*12	108734						88	126	12
88*128*12	103031						88	128	12
88*140*13	109794						88	140	13
88*150.5*13	111368						88	150.5	13
88*160*13		114621					88	160	13
88.89*114.3*12.7				107436		197436	88.89	114.3	12.7
88.9*101.6*7.95		108864					88.9	101.6	7.95
88.9*104.78*7.95	105159		115849	114970		194970	88.9	104.78	7.95
88.9*104.78*9.53	380115	109401					88.9	104.78	9.53
88.9*104.78*12.7		105142					88.9	104.78	12.7
88.9*107.95*12.7	109587						88.9	107.95	12.7
88.9*111.12*9.52	106250						88.9	111.12	9.52
88.9*111.13*9.53				114626		194626	88.9	111.13	9.53
88.9*111.13*12.7		115577					88.9	111.13	12.7
88.9*114.3*6.35			109731		199731		88.9	114.3	6.35
88.9*114.3*9.53	111133	112608		115879		195879	88.9	114.3	9.53
88.9*114.3*11.13		112575	114599		194599		88.9	114.3	11.13
88.9*114.3*11.89				104291		194291	88.9	114.3	11.89
88.9*114.3*11.91				115669		195669	88.9	114.3	11.91
88.9*114.3*12.7	102512	104076		108861		198861	88.9	114.3	12.7
88.9*114.3*14.68		113070					88.9	114.3	14.68
88.9*114.3*15.87	105671						88.9	114.3	15.87
88.9*114.3*15.88				109035		199035	88.9	114.3	15.88
88.9*116.84*11				115807			88.9	116.84	11
88.9*117.48*12.7				108129		198129	88.9	117.48	12.7

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
88.9*120.65*12.7		102630					88.9	120.65	12.7
88.9*120.65*14.28		440052					88.9	120.65	14.28
88.9*120.65*15.87			102000				88.9	120.65	15.87
88.9*120.65*15.88		105360					88.9	120.65	15.88
88.9*123.04*22.23			107096				88.9	123.04	22.23
88.9*127*11.91	116593						88.9	127	11.91
88.9*127*12.7	103287	106037		110513		190513	88.9	127	12.7
88.9*133.35*11.13			113810		193810		88.9	133.35	11.13
88.9*133.35*15.88	110078						88.9	133.35	15.88
88.9*136.52*12.7	106286						88.9	136.52	12.7
88.9*139.7*12.7				410165			88.9	139.7	12.7
89*105*9.5	115670						89	105	9.5
89*120*13			114204		194204		89	120	13
90*10*8						195644	90	10	8
90*100*8				115644			90	100	8
90*100*10		105495					90	100	10
90*100*12		110040					90	100	12
90*100*13		110909					90	100	13
90*102.8*6.5			410361				90	102.8	6.5
90*104*10		111811					90	104	10
90*105*6		113154					90	105	6
90*105*7		116045					90	105	7
90*105*8		108051		108102			90	105	8
90*105*10	105995	104563	113885		193885		90	105	10
90*105*12		107642					90	105	12
90*105*13		105423					90	105	13
90*110*7	105979						90	110	7
90*110*7.5		108417					90	110	7.5
90*110*8	104011	108004	100342	108039	191486	198039	90	110	8
90*110*10	105343	105116	101342	100225	191342		90	110	10
90*110*11		108611					90	110	11
90*110*12	100785	100786	100490	110617	190490	190617	90	110	12
90*110*13	101203	100518	101725	101106	191725	191106	90	110	13
90*110*15	102569	102708	101499		191499		90	110	15
90*110*16	107721	112095		107605		197605	90	110	16
90*112*12		108389					90	112	12
90*112.7*13		105473	103592	104769	193592	194769	90	112.7	13
90*115*8	109402			181739			90	115	8
90*115*9	101813	110997	105603	111739	195603	191739	90	115	9
90*115*10		102809					90	115	10
90*115*12		101594		112371		192371	90	115	12
90*115*13	104725	103654	101633	107068	191633	197068	90	115	13
90*115*15		106944					90	115	15
90*117.5*12.5		112958					90	117.5	12.5
90*118*12		101987		104875		194875	90	118	12
90*118*13				109440		199440	90	118	13

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
90*120*8			112890	115453	192890	195453	90	120	8
90*120*10	101451	113312					90	120	10
90*120*12	100904	102419	102029	110564		190564	90	120	12
90*120*13	103270	103439	101747	108686	191747	198686	90	120	13
90*120*15	102570	103082	102681		192681		90	120	15
90*122*12.5				109094		199094	90	122	12.5
90*125*12		110996					90	125	12
90*125*13	106584	103637	102477	111229	192477	191229	90	125	13
90*125*15		105459					90	125	15
90*125*16	107722						90	125	16
90*130*10		110447					90	130	10
90*130*12	105266	105167					90	130	12
90*130*13		104200	108478	101892	198478	191892	90	130	13
90*130*15				107962		197962	90	130	15
90*135*13		107199		114397		194397	90	135	13
90*135*15		106167		114398			90	135	15
90*140*10		108215					90	140	10
90*140*11		114880					90	140	11
90*140*12		110648		187984			90	140	12
90*140*13	102909	107825	104997	107984	194997	197984	90	140	13
90*145*12			113798		193798		90	145	12
90*150*12				113098		193098	90	150	12
90*160*12	111661						90	160	12
90*160*15		111890					90	160	15
90*165*13		112068					90	165	13
90*170*12		115230					90	170	12
90*180*14		113400					90	180	14
90.09*112.72*12.7				100172			90.09	112.72	12.7
90.5*114.3*11.89				106644		196644	90.5	114.3	11.89
90.5*120.65*12.7				113418		193418	90.5	120.65	12.7
90.5*127*12.7				111263		191263	90.5	127	12.7
91*111*10				103476			91	111	10
92*105*10		111426					92	105	10
92*110*8.5		112151					92	110	8.5
92*110*10		108177					92	110	10
92*110*12				111381		191381	92	110	12
92*110*13				109404		199404	92	110	13
92*112*10		108033					92	112	10
92*112*13.5	110546						92	112	13.5
92*115*13				109923		199923	92	115	13
92*120*10				116596		196596	92	120	10
92*120*12	103646	110264					92	120	12
92*120*13	105616	112173	103011	109767	193011	199767	92	120	13
92*120*14	113792						92	120	14
92.07*111.13*11.13		110071	107808		197808		92.07	111.13	11.13
92.07*114.3*9.53		114945					92.07	114.3	9.53

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
92.07*114.3*11.91						430584	92.07	114.3	11.91
92.07*114.3*12.7		112810					92.07	114.3	12.7
92.07*117.07*15.88				108921		198921	92.07	117.07	15.88
92.07*117.47*12.7	100934						92.07	117.47	12.7
92.07*117.48*12.7		104000		112586		192586	92.07	117.48	12.7
92.07*117.48*15.88				109497		199497	92.07	117.48	15.88
92.07*120.65*12.7				114897		194897	92.07	120.65	12.7
92.07*123.82*11.13			107974		197974		92.07	123.82	11.13
92.07*127*11.91				110132		190132	92.07	127	11.91
92.07*127*12.7		109567		114049		194049	92.07	127	12.7
92.08*114.3*12.7	107277						92.08	114.3	12.7
92.08*120.65*12.7	110321						92.08	120.65	12.7
92.08*123.83*9.53				116161		196161	92.08	123.83	9.53
92.08*133.35*15.88				108333		198333	92.08	133.35	15.88
93*108*7		108088					93	108	7
93*113*13		110910					93	113	13
93*115*13		113036	107394		197394		93	115	13
93*120*13			102686	108432		198432	93	120	13
93*130*13				109411		199411	93	130	13
93.65*142.88*12.7	430054			106219		196219	93.65	142.88	12.7
93.68*120.65*12.7		104955					93.68	120.65	12.7
93.68*123.82*12.7				113256		193256	93.68	123.82	12.7
93.68*130.17*12.7		115527					93.68	130.17	12.7
93.68*133.35*11.91				114269		194269	93.68	133.35	11.91
94*114*7			104873				94	114	7
94*120*10		115269					94	120	10
94*120*13			114632		194632		94	120	13
95*105*5	112129	114615					95	105	5
95*110*6	111849						95	110	6
95*110*7		105786		114261		194261	95	110	7
95*110*9	100816	107879	100782	108317		198317	95	110	9
95*110*10	104339	103790	104714	111824	194714	191824	95	110	10
95*110*11		114034					95	110	11
95*110*12		104735					95	110	12
95*110*13	101452	105893	104715	103802	194715	193802	95	110	13
95*112*12		105410					95	112	12
95*112*12.5		102849					95	112	12.5
95*115*8	102532						95	115	8
95*115*10		108668		110327		190327	95	115	10
95*115*11	108916						95	115	11
95*115*12	104304	116220					95	115	12
95*115*13	104605	100947	101189	103231	191189	193231	95	115	13
95*115*15		105425					95	115	15
95*117*12		106293					95	117	12
95*118*12		116007					95	118	12
95*120*7	105981						95	120	7

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
95*120*8		115154					95	120	8
95*120*10		106881					95	120	10
95*120*12	100807	103416	105634	112617	195634	192617	95	120	12
95*120*13	101875	103300	101814	104744	191814	194744	95	120	13
95*120*15		106000	101500		191500		95	120	15
95*125*10		109040					95	125	10
95*125*12	101060	101061	104825	108224	194825	198224	95	125	12
95*125*13	104012	105424	104299	101172	194299		95	125	13
95*125*15		111268	101785		191785		95	125	15
95*125*16		109982					95	125	16
95*127*12	110976						95	127	12
95*128*12				109995		199995	95	128	12
95*130*10		105117					95	130	10
95*130*12		105237		114684		194684	95	130	12
95*130*13		100519	101763	110576	191763	190576	95	130	13
95*130*15	102478	105460		106370			95	130	15
95*132*12	112228						95	132	12
95*135*13		104106					95	135	13
95*135*14		115808					95	135	14
95*135*15			113115		193115		95	135	15
95*136*13	112084						95	136	13
95*136.5*18				115084		195084	95	136.5	18
95*140*8		112681					95	140	8
95*140*12		116570					95	140	12
95*140*13				107821		197821	95	140	13
95*145*8	100375	108348					95	145	8
95*145*10		109960					95	145	10
95*145*13	108320	110118					95	145	13
95*160*13		113480					95	160	13
95*160*15	102193	112286					95	160	15
95*170*13		115650		109988		199988	95	170	13
95*170*14		113399					95	170	14
95.25*107.95*12.7				101951		191951	95.25	107.95	12.7
95.25*114.28*11.89						440134	95.25	114.28	11.89
95.25*114.3*7.95				115938		195938	95.25	114.3	7.95
95.25*114.3*9.53		113952					95.25	114.3	9.53
95.25*114.3*11.91				107108		197108	95.25	114.3	11.91
95.25*114.3*12.7		101595		110073		190073	95.25	114.3	12.7
95.25*117.48*12.7		109432					95.25	117.48	12.7
95.25*120.65*9.53				112123		192123	95.25	120.65	9.53
95.25*120.65*11.13				107444		197444	95.25	120.65	11.13
95.25*120.65*12.7		101764		109356		199356	95.25	120.65	12.7
95.25*123.82*12.7				113257		193257	95.25	123.82	12.7
95.25*123.82*15.88				112882		192882	95.25	123.82	15.88
95.25*127*9.53				111273		191273	95.25	127	9.53
95.25*127*11.13		112428					95.25	127	11.13

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
95.25*127*12.7		104988		114853		194853	95.25	127	12.7
95.25*130.17*11.91	113156						95.25	130.17	11.91
95.25*133.35*12.7	102243			112984		192984	95.25	133.35	12.7
95.25*133.35*15.88			102618		192618		95.25	133.35	15.88
95.25*136.52*11.11	102001						95.25	136.52	11.11
95.66*114.3*11.13				114178			95.66	114.3	11.13
96*112*10	106747						96	112	10
96*117*10	113121						96	117	10
96*120*11		113464					96	120	11
96*120*12				107929		197929	96	120	12
96*136*12	105287						96	136	12
96*145*13		114881					96	145	13
96.82*123.82*12.7		104083					96.82	123.82	12.7
97*114*12				109291		199291	97	114	12
97*120*13				113377		193377	97	120	13
97*124.13*13		103189					97	124.13	13
97*130*13				108982		198982	97	130	13
98*110*13		105894					98	110	13
98*114*12				115170		195170	98	114	12
98*116*10		105426					98	116	10
98*120*7		107088					98	120	7
98*120*13	105992	109557	107981	109813	197981	199813	98	120	13
98*124*13				115340		195340	98	124	13
98*125*12		106164					98	125	12
98*125*13	101658	108121	106377		196377		98	125	13
98*128*10	103385	106681					98	128	10
98*130*13		112350		102023		192023	98	130	13
98*135*14				115702		195702	98	135	14
98.42*127*12.7		114415					98.42	127	12.7
98.43*119.2*9.53				103169			98.43	119.2	9.53
98.43*120.65*9.53				113510		193510	98.43	120.65	9.53
98.43*120.65*12.7		114855					98.43	120.65	12.7
98.43*123.82*12.7	108362			107542	410161	197542	98.43	123.82	12.7
98.43*123.83*12.7		104956					98.43	123.83	12.7
98.43*127*12.7	103866						98.43	127	12.7
98.43*130.17*12.7		115481		114181		194181	98.43	130.17	12.7
98.43*133.35*15.88			113742		193742		98.43	133.35	15.88
98.43*136.53*12.7		115250		108146		198146	98.43	136.53	12.7
98.43*139.7*12.7				111203		191203	98.43	139.7	12.7
98.43*144.48*12.7		115396		106311		196311	98.43	144.48	12.7
98.43*144.48*19.05				107107		197107	98.43	144.48	19.05
99.82*127*12.7	114383						99.82	127	12.7
100*112*9		100607					100	112	9
100*114*7				104867			100	114	7
100*114*10		114166		102726			100	114	10
100*114*12				106989			100	114	12

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
100*115*7	114104						100	115	7
100*115*9	105327	101648		100633		197951	100	115	9
100*115*10	104315	111951					100	115	10
100*115*12		109187					100	115	12
100*115*13		115465					100	115	13
100*118*9			107623		197623		100	118	9
100*118*10		106147					100	118	10
100*118*12		106148	115426		195426		100	118	12
100*120*7		112254					100	120	7
100*120*7.5	114672						100	120	7.5
100*120*8		112255	102556	107975		197975	100	120	8
100*120*10	100773	102030	102067	111139	192067	191139	100	120	10
100*120*11	100042	103434		113620		193620	100	120	11
100*120*12	101374	104810	101343	109331	191343	199331	100	120	12
100*120*13	101031	106628	100067	102987	190067	192987	100	120	13
100*120*14			114622		194622		100	120	14
100*120*15		105887		113320		193320	100	120	15
100*120*17		102303					100	120	17
100*122*13		106149					100	122	13
100*124*8	108318						100	124	8
100*125*8		106483					100	125	8
100*125*10		109037					100	125	10
100*125*11				110768			100	125	11
100*125*12	102088	103132	100926	103066	190926	193066	100	125	12
100*125*13	103971	100527	100657	401269	190657		100	125	13
100*125*14		102770					100	125	14
100*125*15	108805	110584					100	125	15
100*127*10		114118					100	127	10
100*127*12		109041					100	127	12
100*127*13	102417			114910		194910	100	127	13
100*130*7		113619					100	130	7
100*130*8			114019		194019		100	130	8
100*130*10		108869	108710		198710		100	130	10
100*130*12	101786	103810	105392	440070	195392		100	130	12
100*130*13	106254	102361	100494	401365	190494		100	130	13
100*130*14	107313	106809					100	130	14
100*130*15		110673		101988			100	130	15
100*130*16			110245		190245		100	130	16
100*132*12.5				112623		192623	100	132	12.5
100*132*13		111629					100	132	13
100*134*10			114696		194696		100	134	10
100*135*10		110640					100	135	10
100*135*12		104146					100	135	12
100*135*13		101731		106795			100	135	13
100*135*14		114854					100	135	14
100*135*15		101939		115973		195973	100	135	15

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
100*137*11		115210					100	137	11
100*140*10		109045					100	140	10
100*140*12	440071	101940					100	140	12
100*140*13	380145	102822	108479	108313	198479	198313	100	140	13
100*140*14		116057					100	140	14
100*140*15		109046		103475			100	140	15
100*145*13		107432					100	145	13
100*150*10		113530					100	150	10
100*150*12		105168					100	150	12
100*150*12.7		105317					100	150	12.7
100*150*13		106623		108278		198278	100	150	13
100*150*15		106256					100	150	15
100*152*15				114808		194808	100	152	15
100*160*12				115735		195735	100	160	12
100*160*13		111287					100	160	13
100*170*15		112902					100	170	15
100*180*12		108918					100	180	12
100*180*13	103617	111450					100	180	13
100*180*14		113401					100	180	14
100*185*13	105288						100	185	13
100*190*15		110851					100	190	15
100.03*127*12.7		105254					100.03	127	12.7
100.03*133.35*11.13				114903		194903	100.03	133.35	11.13
100.03*136.53*12.7				109913		199913	100.03	136.53	12.7
101*114*10				106061			101	114	10
101.6*114.3*6.35		110767					101.6	114.3	6.35
101.6*114.3*12.7		111765					101.6	114.3	12.7
101.6*120.65*12.7	106382	115101					101.6	120.65	12.7
101.6*123.82*14.3				112119		192119	101.6	123.82	14.3
101.6*127*7.95		101021	106632	113280	196632	193280	101.6	127	7.95
101.6*127*9.52				109496		199496	101.6	127	9.52
101.6*127*9.53		111023					101.6	127	9.53
101.6*127*11.13		101022	102381		192381		101.6	127	11.13
101.6*127*11.89			104290		194290		101.6	127	11.89
101.6*127*12.7	102448	104249		104550		194550	101.6	127	12.7
101.6*127*15.88				110734		190734	101.6	127	15.88
101.6*130.17*14.29	107528						101.6	130.17	14.29
101.6*130.17*14.3				113663		193663	101.6	130.17	14.3
101.6*130.18*12.7		108520	103278		193278		101.6	130.18	12.7
101.6*133.35*12.7		104792		107538		197538	101.6	133.35	12.7
101.6*133.35*15.88	109255						101.6	133.35	15.88
101.6*136.53*12.7				107075		197075	101.6	136.53	12.7
101.6*139.7*12.7	103860	106235					101.6	139.7	12.7
101.6*141.68*11.13			115438		195438		101.6	141.68	11.13
101.6*142.88*9.53				114898		194898	101.6	142.88	9.53
101.6*142.88*12.7		111403		104035		194035	101.6	142.88	12.7

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
101.6*146.05*14.3				110376		190376	101.6	146.05	14.3
101.6*152.4*12.7		107600		110449		190449	101.6	152.4	12.7
101.6*152.4*15.88				115321		195321	101.6	152.4	15.88
102*116*14				107982		197982	102	116	14
102*120*12	108412						102	120	12
102*125*13		100887		112003		192003	102	125	13
102*130*13	105763	100173	114616		194616		102	130	13
102*132*13		112150					102	132	13
102*135*13		106576					102	135	13
103*122*10		114292					103	122	10
103*125*13			105861		195861		103	125	13
103*140*12				110425		190425	103	140	12
103.19*130.17*12.7	103861						103.19	130.17	12.7
104*120*10		110051					104	120	10
104*120*13		110534					104	120	13
104*125*10	102486	110248					104	125	10
104*130*13		108866					104	130	13
104.78*127*12.7	106383						104.78	127	12.7
104.78*127*14.3			111192		191192		104.78	127	14.3
104.78*130.18*12.7		104957					104.78	130.18	12.7
104.78*133.35*12.7				109916		199916	104.78	133.35	12.7
104.78*136.53*12.7	114211						104.78	136.53	12.7
104.78*136.53*15.88				108327		198327	104.78	136.53	15.88
104.78*139.7*12.7		111313		113204		193204	104.78	139.7	12.7
105*120*7	102668		106558				105	120	7
105*120*8		106275		106270			105	120	8
105*120*9.5		114744					105	120	9.5
105*120*10	108604	114425					105	120	10
105*120*11	100954			104266			105	120	11
105*120*13	107904	111952	113914		193914		105	120	13
105*120*15			101501		191501		105	120	15
105*122*13	113994						105	122	13
105*125*10		109038	105528				105	125	10
105*125*12	113808	109039	101765				105	125	12
105*125*13	105838	102771	100956	100701	190956	190701	105	125	13
105*125*16				109815		199815	105	125	16
105*127*10		111777					105	127	10
105*127*15		115466					105	127	15
105*129*12	116370						105	129	12
105*130*9.5		103366					105	130	9.5
105*130*10		109042		113076		193076	105	130	10
105*130*12	101039	103151	102362	105747	192362	195747	105	130	12
105*130*13	440130	113665	103322	102269	193322	192269	105	130	13
105*130*15	106414	103613	103649	110538	193649	190538	105	130	15
105*135*12		110013					105	135	12
105*135*13	106194	102792		105133		195133	105	135	13

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
105*135*14	106508	115336					105	135	14
105*135*15		104653					105	135	15
105*135*16				113897		193897	105	135	16
105*136*13		108742					105	136	13
105*138*12		113858					105	138	12
105*140*10		109047					105	140	10
105*140*12	100935	101051	102741				105	140	12
105*140*13	101304	113641	101815	100681	191815	190681	105	140	13
105*140*14		108788	110244		190244		105	140	14
105*140*15	104660	110310		107195		197195	105	140	15
105*140*16		106294					105	140	16
105*145*13		106972					105	145	13
105*145*15		109644	110394		190394		105	145	15
105*145*16	103166						105	145	16
105*150*13		111728					105	150	13
105*150*15		106257	107379	114161	197379	194161	105	150	15
105*160*10				116015		196015	105	160	10
105*160*12		110403		112078		192078	105	160	12
105*160*13				110349		190349	105	160	13
105*170*12		111222					105	170	12
105*180*13		114248					105	180	13
105*180*15		111953					105	180	15
105*190*12		115598					105	190	12
106*120.5*6		115265					106	120.5	6
106.37*127*11.88				110823		190823	106.37	127	11.88
106.38*127*9.53				110870		190870	106.38	127	9.53
106.38*133.35*12.7	116519			109832		199832	106.38	133.35	12.7
106.38*152.4*15.88				112523		192523	106.38	152.4	15.88
106.38*158.75*12.7				111184		191184	106.38	158.75	12.7
106.6*127*7.95			114496		194496		106.6	127	7.95
107*130*13		101173		113573		193573	107	130	13
107*140*13				113898		193898	107	140	13
107.95*127*12.7	105672			108357		198357	107.95	127	12.7
107.95*133.35*9.53				107944		197944	107.95	133.35	9.53
107.95*133.35*11.13	106384		115093		195093		107.95	133.35	11.13
107.95*133.35*12.7	380272	104738	107426	180654	197426		107.95	133.35	12.7
107.95*133.35*14.3				110654		190654	107.95	133.35	14.3
107.95*136.52*12.7	103374	114882					107.95	136.52	12.7
107.95*136.53*12.7			115944		195944		107.95	136.53	12.7
107.95*139.7*12.7		106080					107.95	139.7	12.7
107.95*139.7*14.3	113634			109939		199939	107.95	139.7	14.3
107.95*139.7*19.05		109155					107.95	139.7	19.05
107.95*142.88*11.13				114462		194462	107.95	142.88	11.13
107.95*142.88*12.7		104037					107.95	142.88	12.7
107.95*146.05*11.13	112548						107.95	146.05	11.13
107.95*146.05*12.7		114134					107.95	146.05	12.7

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
107.95*146.05*14.29				113518		193518	107.95	146.05	14.29
107.95*152.4*12.7	111510						107.95	152.4	12.7
107.95*152.4*14.3		108859					107.95	152.4	14.3
108*130*12	110138						108	130	12
108*130*13			102635		192635		108	130	13
108*140*12		116375		116384		196384	108	140	12
108*140*13				107447		197447	108	140	13
108*144*12		116289					108	144	12
108*145*15	114785						108	145	15
108*152.6*13				109239		199239	108	152.6	13
109.55*136.53*12.7				113958		193958	109.55	136.53	12.7
109.55*139.7*11.13				115661		195661	109.55	139.7	11.13
109.55*139.7*14.30				108996		198996	109.55	139.7	14.30
109.55*146.05*12.7				113837		193837	109.55	146.05	12.7
109.55*152.4*14.3				109023		199023	109.55	152.4	14.3
109.93*142.88*11.91				111358		191358	109.93	142.88	11.91
109.93*142.88*12.7				105927		195927	109.93	142.88	12.7
110*120*12	113448						110	120	12
110*125*7		115637					110	125	7
110*125*8				111046		191046	110	125	8
110*125*9.5		110027					110	125	9.5
110*125*12	102345	112569					110	125	12
110*125*13	109603	110715					110	125	13
110*127*11	430401						110	127	11
110*128*9			100797	107806	190797	197806	110	128	9
110*130*8	104213	112934	380176	115683		195683	110	130	8
110*130*10	103072	108375		440079			110	130	10
110*130*12	100820	101046	101344	440098	192085		110	130	12
110*130*13	104675	106751	100557	105633	190557	195633	110	130	13
110*130*14	111658						110	130	14
110*130*14.5	105730						110	130	14.5
110*130*15		111083	101748	107948	191748	197948	110	130	15
110*132*10	114158						110	132	10
110*135*10		109043					110	135	10
110*135*12	102853	107939					110	135	12
110*135*13		104281	105758	105903	195758	195903	110	135	13
110*135*14		108697					110	135	14
110*135*15		106150					110	135	15
110*140*8	106040						110	140	8
110*140*9				108207		198207	110	140	9
110*140*10	105731		105169		195169		110	140	10
110*140*12	114604	102772	108477	110744	198477	190744	110	140	12
110*140*13	101305	113940	103711	100702	193711	190702	110	140	13
110*140*14	116205	104834	110091	110945	190091	190945	110	140	14
110*140*15		106260	101345	111250	191345	191250	110	140	15
110*142*12			114790		194790		110	142	12

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
110*142.85*12		103290					110	142.85	12
110*145*13		106542	107649	113335	197649	193335	110	145	13
110*145*14		110685					110	145	14
110*145*15	102557	106480		103315			110	145	15
110*145*16				110589		190589	110	145	16
110*148*15		114468					110	148	15
110*150*12				111768		191768	110	150	12
110*150*13	107050	102277		101480		191480	110	150	13
110*150*15	116290	103871	103690	108165	193690	198165	110	150	15
110*150*16				112311		192311	110	150	16
110*152*15		106295		111679		191679	110	152	15
110*155*12		115381					110	155	12
110*160*12		105204		107527		197527	110	160	12
110*160*13		111364		103095			110	160	13
110*160*15	107650						110	160	15
110*160*16				102354		192354	110	160	16
110*165*12				109719		199719	110	165	12
110*167*17		108839					110	167	17
110*170*12		111525					110	170	12
110*170*12.7				107666		197666	110	170	12.7
110*170*13		108424					110	170	13
110*170*15		110838					110	170	15
110*180*13		111907					110	180	13
110*180*15		111339					110	180	15
110*190*13		111992					110	190	13
110*200*13	105643	108698					110	200	13
110*215*15		110841					110	215	15
110.34*133.35*11.91				108547		198547	110.34	133.35	11.91
110.34*136.53*12.7				111911		191911	110.34	136.53	12.7
111.13*133.35*12.7	112326						111.13	133.35	12.7
111.13*136.53*12.7		104958		102796		192796	111.13	136.53	12.7
111.13*136.53*14.3		115422					111.13	136.53	14.3
111.13*139.7*12.7				103329		193329	111.13	139.7	12.7
111.13*139.7*14.3	100766						111.13	139.7	14.3
111.13*146.05*14.3				107262		197262	111.13	146.05	14.3
111.13*150.01*25.4				114244		194244	111.13	150.01	25.4
111.13*152.4*12.7		104102					111.13	152.4	12.7
111.13*158.75*12.7				108296		198296	111.13	158.75	12.7
111.13*158.75*14.3		115204					111.13	158.75	14.3
111.2*152.6*12.8				115871		195871	111.2	152.6	12.8
111.91*146.05*12.7		110211					111.91	146.05	12.7
112*130*8			101989				112	130	8
112*130*12	114301			109865		199865	112	130	12
112*130*13				107607		197607	112	130	13
112*132*7.5	106424	108358					112	132	7.5
112*140*12		106146		111691		191691	112	140	12

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
112*140*13	103611	103872		106398			112	140	13
112*140*15		106522					112	140	15
112*142*14		115961					112	142	14
112*150*15				111112		191112	112	150	15
112.73*133.35*9.53				113092		193092	112.73	133.35	9.53
112.73*139.7*12.7	110641						112.73	139.7	12.7
112.73*139.7*14.3				112967		192967	112.73	139.7	14.3
113*140*13			109574	111709	199574	191709	113	140	13
113*150*12				114904		194904	113	150	12
113*160*12			103673		193673		113	160	12
113.79*140.06*15	105223						113.79	140.06	15
113.79*146.05*15	105523						113.79	146.05	15
114*126*6		108342					114	126	6
114*127*9	114410						114	127	9
114*130*13		107089					114	130	13
114*135*12		106339					114	135	12
114*135*13		111583		109814		199814	114	135	13
114*140*13		103094					114	140	13
114*145*12	114826						114	145	12
114*145*13		102992		100948			114	145	13
114*146*13		113683					114	146	13
114*146*15				113332		193332	114	146	15
114.3*133.35*9.53	110363						114.3	133.35	9.53
114.3*133.35*11.13	110192		380186	110941		190941	114.3	133.35	11.13
114.3*136.52*11.11	102014						114.3	136.52	11.11
114.3*139.7*9.52	103512						114.3	139.7	9.52
114.3*139.7*12.7	102498	104003		101952		191952	114.3	139.7	12.7
114.3*139.7*14.3				104896		194896	114.3	139.7	14.3
114.3*142.88*12.7	111173			115237		195237	114.3	142.88	12.7
114.3*146.05*9.53				114971		194971	114.3	146.05	9.53
114.3*146.05*12.7	109655	114377		107442		197442	114.3	146.05	12.7
114.3*146.05*14.3				113272		193272	114.3	146.05	14.3
114.3*146.05*15.88				107452		197452	114.3	146.05	15.88
114.3*152.4*12.7		106071		113637		193637	114.3	152.4	12.7
114.3*152.4*15.88				113728		193728	114.3	152.4	15.88
114.3*155.58*14.3		106010					114.3	155.58	14.3
114.3*158.75*12.7				115407		195407	114.3	158.75	12.7
114.3*161.92*14.3		114665					114.3	161.92	14.3
115*130*9			113951		193951		115	130	9
115*130*12	101795	111955		102079		192079	115	130	12
115*130*13		110133					115	130	13
115*135*8				115964		195964	115	135	8
115*135*9			103111		193111		115	135	9
115*135*10	107606						115	135	10
115*135*12		109044					115	135	12
115*135*13	108684	114749	102704	101732			115	135	13

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
115*135*14		110030					115	135	14
115*135*15		103803					115	135	15
115*140*10	106735						115	140	10
115*140*11		111729					115	140	11
115*140*12	100059	101052	102705	103067	192705	193067	115	140	12
115*140*13	101220	103584	101724	102068	191724	192068	115	140	13
115*140*14		109225					115	140	14
115*140*15		110911	103117		193117		115	140	15
115*140*16		103804		104659			115	140	16
115*145*12	114339	114827		109977		199977	115	145	12
115*145*13	102636	106226		107690		197690	115	145	13
115*145*14	105051	109808		111940		191940	115	145	14
115*145*15	111736		102793		192793		115	145	15
115*145*16		113071					115	145	16
115*146*16		110912					115	146	16
115*150*12	106017	105138					115	150	12
115*150*13	104609	107237	108480	101980	198480		115	150	13
115*150*14		111310					115	150	14
115*150*15		101402		103945		193945	115	150	15
115*150*16		114679					115	150	16
115*155*10		105853					115	155	10
115*155*12		112800					115	155	12
115*160*13				106093			115	160	13
115*160*15		111295	101913		191913		115	160	15
115*165*15		111698					115	165	15
115*170*12		111670					115	170	12
115*180*12		114843					115	180	12
115*180*15	113390						115	180	15
116*132*12		107000					116	132	12
116*135*13				108108		198108	116	135	13
116*140*13			113283		193283		116	140	13
116*150*13				112529		192529	116	150	13
116*160*13		105474					116	160	13
117.07*142.88*12.7		101649					117.07	142.88	12.7
117.47*142.87*12.7	102878			105153		195153	117.47	142.87	12.7
117.47*142.88*12.7		104241					117.47	142.88	12.7
117.47*146.05*12.7	113235						117.47	146.05	12.7
117.47*146.05*14.28			104716		194716		117.47	146.05	14.28
117.47*152.4*12.7				103618		193618	117.47	152.4	12.7
117.47*152.4*15.87			104677		194677		117.47	152.4	15.87
117.47*152.4*15.88				107519		197519	117.47	152.4	15.88
117.48*146.05*12.7				108352		198352	117.48	146.05	12.7
117.48*158.75*14.3				104740			117.48	158.75	14.3
117.48*158.75*15.88				115201		195201	117.48	158.75	15.88
118*136*13			102969	102276			118	136	13
118*140*13	380033	106198	107390	106399	197390		118	140	13

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
118*140*16	116032						118	140	16
118*148*15		106296					118	148	15
118*150*12	104594	104595		108838		198838	118	150	12
118*150*15	107813			107448		197448	118	150	15
118*160*15				115243		195243	118	160	15
119.08*152.4*7.95				113279		193279	119.08	152.4	7.95
119.86*146.05*12.7		101693					119.86	146.05	12.7
120*130*7	107186						120	130	7
120*135*12	111480						120	135	12
120*140*10	107282	110981		110862		190862	120	140	10
120*140*12		100679		107002			120	140	12
120*140*13	102363	101835	102127	101023	192127	191023	120	140	13
120*140*14	101453	104282		181023			120	140	14
120*140*15	106428	109488		104201		194201	120	140	15
120*140*16		115373					120	140	16
120*145*10		106227					120	145	10
120*145*12	102637	108658					120	145	12
120*145*13		102266		100703		190703	120	145	13
120*145*14		106625					120	145	14
120*145*15		102048	102244	104766	192244	194766	120	145	15
120*146*12			107710		197710		120	146	12
120*150*10	113784	113901	113832		193832		120	150	10
120*150*11		107418					120	150	11
120*150*12	100905	102742	110331	101346	190331	191346	120	150	12
120*150*13	100760	104283	108656	108687	198656	198687	120	150	13
120*150*14	116081	101024	107025	105184	197025		120	150	14
120*150*15	105315	105268	102031	102346	192031	192346	120	150	15
120*150*16		109614					120	150	16
120*152.4*13				105539			120	152.4	13
120*153*15		431590					120	153	15
120*155*10		113062					120	155	10
120*155*12	103693	110888					120	155	12
120*155*14		107643					120	155	14
120*155*15		103677					120	155	15
120*155*16		111324					120	155	16
120*160*12	103718	102696	102002	108141		198141	120	160	12
120*160*13	440104	107824	105986	108857	195986	198857	120	160	13
120*160*14		106682					120	160	14
120*160*15	102364	104636	108481	107936	198481	197936	120	160	15
120*160*16		102580					120	160	16
120*165*15				114429		194429	120	165	15
120*170*15		114307	107340	115343	197340	195343	120	170	15
120*170*16		106166					120	170	16
120*175*13		115515					120	175	13
120*180*13		113073					120	180	13
120*180*14		111340					120	180	14

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
120*180*15		110624		108208		198208	120	180	15
120*190*13				112596		192596	120	190	13
120*200*14		109251					120	200	14
120*215*13		115689					120	215	13
120*215*15		116551					120	215	15
120.65*139.7*9.53	111550						120.65	139.7	9.53
120.65*139.7*12.7	109335	114135					120.65	139.7	12.7
120.65*142.88*12.7				101953		191953	120.65	142.88	12.7
120.65*146.05*12.7		103907	106598	104174		194174	120.65	146.05	12.7
120.65*146.05*14.3				113953		193953	120.65	146.05	14.3
120.65*149.23*12.7				112948		192948	120.65	149.23	12.7
120.65*152.4*12.7	101883	106968		113151		193151	120.65	152.4	12.7
120.65*152.4*14.28	102015						120.65	152.4	14.28
120.65*152.4*14.3		114136		105794			120.65	152.4	14.3
120.65*152.4*15.88		109431		110314		190314	120.65	152.4	15.88
120.65*155.57*14.3				113435		193435	120.65	155.57	14.3
120.65*158.75*12.7		112218					120.65	158.75	12.7
120.65*165.1*12.7				101954		191954	120.65	165.1	12.7
122*150*13	109231	110014					122	150	13
122*150*15	109237						122	150	15
122*152.4*18				105134		195134	122	152.4	18
122.25*140.89*11.91		112259					122.25	140.89	11.91
122.25*150.01*12.7		109319					122.25	150.01	12.7
122.25*152.4*6.35	111457						122.25	152.4	6.35
123.8*152.4*12.7			107278		197278		123.8	152.4	12.7
123.82*146.05*11.13		104004					123.82	146.05	11.13
123.82*146.05*12.7				113625		193625	123.82	146.05	12.7
123.82*149.22*12.7	103867						123.82	149.22	12.7
123.82*149.23*12.7				111923		191923	123.82	149.23	12.7
123.82*152.4*12.7				113097		193097	123.82	152.4	12.7
123.82*155.57*15.88				108954		198954	123.82	155.57	15.88
123.82*158.75*12.7				112964		192964	123.82	158.75	12.7
123.82*158.75*14.3	108474						123.82	158.75	14.3
123.82*168.27*12.7		112507					123.82	168.27	12.7
123.83*152.4*14.3				107263		197263	123.83	152.4	14.3
123.83*158.75*14.3		114137		104884		194884	123.83	158.75	14.3
124*150*12			112327		192327		124	150	12
124*150*15				111879		191879	124	150	15
125*140*10	107074	108737					125	140	10
125*140*13		111812					125	140	13
125*143*13		101796					125	143	13
125*145*7.5	113117						125	145	7.5
125*145*12		102773					125	145	12
125*145*13		111956		103983			125	145	13
125*146*10		105021					125	146	10
125*150*12	101564	111040	103674	102961	193674	192961	125	150	12

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
125*150*13	100936	105022	100850	100714	190850	190714	125	150	13
125*150*14	104817	106810		430631			125	150	14
125*150*15	106276	104103	105609	108065	195609	198065	125	150	15
125*152.4*12		112135					125	152.4	12
125*152.4*15			102815	100713	192815	190713	125	152.4	15
125*155*12	102839	105737					125	155	12
125*155*14		107790		112213		192213	125	155	14
125*155*15		110621					125	155	15
125*160*10		114999					125	160	10
125*160*12	102161	103035		103081		193081	125	160	12
125*160*13		106069		110249		190249	125	160	13
125*160*14		113481					125	160	14
125*160*15	380118	105940	107477	110579	197477	190579	125	160	15
125*160*17				105994		195994	125	160	17
125*160*18		115787					125	160	18
125*165*13		116001					125	165	13
125*165*15		107481		114274		194274	125	165	15
125*165*16				113096		193096	125	165	16
125*170*13			105954	114494	195954	194494	125	170	13
125*170*15				111932		191932	125	170	15
125*180*15				112638		192638	125	180	15
125*200*15		114677					125	200	15
125.02*161.93*12.7				116008		196008	125.02	161.93	12.7
125.43*146.05*12.7				115537		195537	125.43	146.05	12.7
125.43*152.4*12.7		106236		113202		193202	125.43	152.4	12.7
125.43*152.4*15.88				112947		192947	125.43	152.4	15.88
125.43*158.75*12.7				115991		195991	125.43	158.75	12.7
125.43*158.75*14.3				110265		190265	125.43	158.75	14.3
125.43*165.1*12.7				112451		192451	125.43	165.1	12.7
126*140*13		102927					126	140	13
126*146*10		104178		112735			126	146	10
126*146*13		104637					126	146	13
126*147*11		111743					126	147	11
126*150*15	380034						126	150	15
126*162*13		113387					126	162	13
127*146*10				106987			127	146	10
127*146.05*11.13	112496	114378					127	146.05	11.13
127*146.05*12.7	105771	108774		110933		190933	127	146.05	12.7
127*146.05*15.88				107530		197530	127	146.05	15.88
127*147*11.5				103816			127	147	11.5
127*150*13	101630						127	150	13
127*150*16		430119					127	150	16
127*152.4*12.7		104780					127	152.4	12.7
127*152.4*14.3	115440						127	152.4	14.3
127*152.4*15		114883					127	152.4	15
127*152.4*15.88				112945		192945	127	152.4	15.88

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
127*152.48*12.7				106656		196656	127	152.48	12.7
127*158.75*12.7		115205	102382	104983	192382	194983	127	158.75	12.7
127*158.75*14.28			102869		192869		127	158.75	14.28
127*158.75*14.3	380151	109149					127	158.75	14.3
127*158.75*15.88			107544		197544		127	158.75	15.88
127*158.75*21.03				108537		198537	127	158.75	21.03
127*160*15				112909		192909	127	160	15
127*161.92*12.7				113422		193422	127	161.92	12.7
127*165.1*12.7		108902		107484		197484	127	165.1	12.7
127*165.1*15.88		105966					127	165.1	15.88
127*170*14	103032						127	170	14
127*190.5*14.3				103326		193326	127	190.5	14.3
128*146*13.5		101715					128	146	13.5
128*150*9	107586						128	150	9
128*150*13	116419	100449					128	150	13
128*152*13		115026					128	152	13
128*160*15				107434		197434	128	160	15
128.52*157.61*16		114018					128.52	157.61	16
128.6*155.58*12.7		107187					128.6	155.58	12.7
129*160*13				106721			129	160	13
129*160*15			110239		190239		129	160	15
129.39*155.57*12.7		109318					129.39	155.57	12.7
130*140*10	112158						130	140	10
130*146*14				115851		195851	130	146	14
130*148*12		115516					130	148	12
130*150*10		105279	102511	105047			130	150	10
130*150*11		112462					130	150	11
130*150*12		106432					130	150	12
130*150*13		103805		100174			130	150	13
130*150*14		108791	101668	101403	191668		130	150	14
130*150*15		106523					130	150	15
130*150*18		113421					130	150	18
130*155*10	106172	115750		105904		195904	130	155	10
130*155*12		102581		113965		193965	130	155	12
130*155*13		102774		108989		198989	130	155	13
130*155*14		105947					130	155	14
130*156*13				106092			130	156	13
130*160*8			105230				130	160	8
130*160*10			113831		193831		130	160	10
130*160*12	100784	100060	105238	110203	195238	190203	130	160	12
130*160*12.5				110869		190869	130	160	12.5
130*160*13	105648	100709	102216	110305	192216	190305	130	160	13
130*160*14	380244	106002	106218	105185			130	160	14
130*160*15	100902	100727	100765	103023	190765	193023	130	160	15
130*160*16			109031		199031		130	160	16
130*162*9		106673					130	162	9

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
130*162*14		116225					130	162	14
130*165*13		107644					130	165	13
130*165*15	101306	103478		103068		193068	130	165	15
130*170*12	103719	107018					130	170	12
130*170*13	102638	101772		102268		192268	130	170	13
130*170*14	106803	113724					130	170	14
130*170*15	106375	102775		100715		190715	130	170	15
130*180*15		103022	103015	114751	193015	194751	130	180	15
130*185*12		102776					130	185	12
130*190*12		103261		107763		197763	130	190	12
130*190*15		105170					130	190	15
130*210*12		115399					130	210	12
130*215*15		110850					130	215	15
130*230*14		106905					130	230	14
130.17*155.57*15.88			101839		191839		130.17	155.57	15.88
130.17*161.92*15.88		114939					130.17	161.92	15.88
130.18*155.58*12.7	103282	106237					130.18	155.58	12.7
130.18*155.58*14.3				106654			130.18	155.58	14.3
130.18*158.75*12.7		104704					130.18	158.75	12.7
131*145*7		115877		115161		195161	131	145	7
131*152.4*6.35				106720			131	152.4	6.35
131.78*158.75*12.7	102497						131.78	158.75	12.7
132*150*13	106709		106787				132	150	13
132*150*15	107791						132	150	15
132*156*13				110931			132	156	13
132*160*12		109489	185905				132	160	12
132*160*13			105905	110540	195905	190540	132	160	13
132*160*15		113241	185906				132	160	15
133.35*155.58*14.27				104242			133.35	155.58	14.27
133.35*158.75*11.13				115956		195956	133.35	158.75	11.13
133.35*158.75*12.7	430063	104745		101955		191955	133.35	158.75	12.7
133.35*165.1*12.7		107987		113054		193054	133.35	165.1	12.7
133.35*165.1*14.3	114209	114778					133.35	165.1	14.3
133.35*165.1*15.88				104882		194882	133.35	165.1	15.88
133.35*171.45*12.7				107458		197458	133.35	171.45	12.7
133.35*171.45*19.05				115421		195421	133.35	171.45	19.05
134*150*15				109260		199260	134	150	15
134*152*13				110448		190448	134	152	13
134*152.4*11				100177			134	152.4	11
134.54*155.57*9.53	106029	110770					134.54	155.57	9.53
134.95*158.75*12.7				110694		190694	134.95	158.75	12.7
135*150*15				114179		194179	135	150	15
135*152*11				100384			135	152	11
135*153*9		107184					135	153	9
135*155*12		109921					135	155	12
135*155*13		102963					135	155	13

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
135*155*15				115715		195715	135	155	15
135*160*12	110222	102245		110706		190706	135	160	12
135*160*13	440027	100710	105762	100719	195762	190719	135	160	13
135*160*14	105685	109672					135	160	14
135*160*15		104656	113605	106796	193605		135	160	15
135*162*13		102777		106094			135	162	13
135*165*12	107828	110089					135	165	12
135*165*13		101307		110015		190015	135	165	13
135*165*14	102129	104979	105193	101650			135	165	14
135*165*15		102141	116394	103473	196394	193473	135	165	15
135*170*10				114926		194926	135	170	10
135*170*12	101900	104673	104058		194058		135	170	12
135*170*13		114399		111190		191190	135	170	13
135*170*14	100906	111492					135	170	14
135*170*15		102930		109800		199800	135	170	15
135*175*13		116599		111539		191539	135	175	13
135*175*15			114327		194327		135	175	15
135*175*16			107233		197233		135	175	16
135*180*15		106683		106247		196247	135	180	15
135*185*13		114465					135	185	13
135*190*15	109358						135	190	15
135*192*16	103033						135	192	16
135*200*12		114967					135	200	12
135*200*15		110315					135	200	15
135*215*15		113006					135	215	15
136.53*161.93*12.7		114138					136.53	161.93	12.7
136.53*165.1*11.13				112975		192975	136.53	165.1	11.13
136.53*168.27*12.7				110360		190360	136.53	168.27	12.7
136.53*171.45*12.7				112952		192952	136.53	171.45	12.7
136.53*200.02*19.05						410241	136.53	200.02	19.05
137.72*171.45*12.7				113991		193991	137.72	171.45	12.7
138*150*12				115244		195244	138	150	12
138*152*12				103729			138	152	12
138*152*13				103360			138	152	13
138*157*13				106723			138	157	13
138*160*13				112235		192235	138	160	13
138*160*15	105732			110292		190292	138	160	15
138*165*15				115378		195378	138	165	15
138*170*15				113511		193511	138	170	15
138.13*165.1*12.7	380203	115556					138.13	165.1	12.7
139.7*158.75*12.7	106004	114139					139.7	158.75	12.7
139.7*165.1*12.7	107130	104959		115769		195769	139.7	165.1	12.7
139.7*171.45*12.7	102003		116010		196010		139.7	171.45	12.7
139.7*171.45*14.3				110459		190459	139.7	171.45	14.3
139.7*171.45*15.88	105533		101204	104883	191204		139.7	171.45	15.88
139.7*171.45*19.05		114157					139.7	171.45	19.05

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
139.7*177.8*15.88				107803		197803	139.7	177.8	15.88
139.7*177.8*19.05				113347		193347	139.7	177.8	19.05
139.7*184.15*15.87			102010		192010		139.7	184.15	15.87
139.7*184.15*15.88				101956		191956	139.7	184.15	15.88
140*155*15		110769					140	155	15
140*157*8		112356					140	157	8
140*158*10		115517					140	158	10
140*158*11				115809			140	158	11
140*160*8	101888						140	160	8
140*160*10	105856		114627	115810	194627		140	160	10
140*160*12	105221	102794					140	160	12
140*160*13	116561	105517	102318	103128	192318	193128	140	160	13
140*160*14		107355		106998			140	160	14
140*160*15		105428	105806		195806		140	160	15
140*161*14				113687		193687	140	161	14
140*165*10		105949					140	165	10
140*165*11.5		111904					140	165	11.5
140*165*12	102485	108178	106380	109597	196380	199597	140	165	12
140*165*13		111298		103233			140	165	13
140*165*15	101308	440015	108484	108211	198484	198211	140	165	15
140*165*16		102795					140	165	16
140*168*13		103429		100469			140	168	13
140*170*8		114796					140	170	8
140*170*10		115238					140	170	10
140*170*12	103087	104160		112069		192069	140	170	12
140*170*13	106429	102778	105233	103234	195233	193234	140	170	13
140*170*14		111549		105186			140	170	14
140*170*15	101846	111264	100507	102957	190507	192957	140	170	15
140*170*16		110182					140	170	16
140*175*12		112037					140	175	12
140*175*13				114921		194921	140	175	13
140*175*15		104555					140	175	15
140*180*12		103021		109696		199696	140	180	12
140*180*13	105733	108122		110355		190355	140	180	13
140*180*14	104864	114041					140	180	14
140*180*15	102365	104560	100991	101073	190991	191073	140	180	15
140*180*16	114471			110678		190678	140	180	16
140*185*16		116294					140	185	16
140*190*12				108810		198810	140	190	12
140*190*15				104202		194202	140	190	15
140*200*15		111624					140	200	15
140*210*13		112091					140	210	13
140*210*15		110601					140	210	15
140*230*15		108840					140	230	15
140*250*15		115836					140	250	15
141.3*168.28*12.7				114322		194322	141.3	168.28	12.7

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
142*168*13		110213		110212			142	168	13
142*168*14		112300					142	168	14
142*168*16				113601		193601	142	168	16
142*170*12				111035		191035	142	170	12
142*170*15		114298		115410		195410	142	170	15
142*180*13				113500		193500	142	180	13
142.88*161.92*12.7	111610						142.88	161.92	12.7
142.88*165.1*12.7		114140					142.88	165.1	12.7
142.88*168.27*12.7	112379			101950		191950	142.88	168.27	12.7
142.88*168.28*15.88				115428		195428	142.88	168.28	15.88
142.88*171.45*14.3	110343						142.88	171.45	14.3
142.88*174.63*12.7			116012		196012		142.88	174.63	12.7
142.88*174.63*15.88				109898		199898	142.88	174.63	15.88
142.88*180.98*12.7				114280		194280	142.88	180.98	12.7
142.88*182.58*23.01				114241		194241	142.88	182.58	23.01
143*165*10			116236	104170	196236	194170	143	165	10
143*175*16	102032						143	175	16
143*180*13				112087		192087	143	180	13
144*160*10			106251				144	160	10
144*160*12	440048	103777					144	160	12
144*160*13		110771		106731			144	160	13
144*162*15		113890					144	162	15
144*180*12				112744		192744	144	180	12
144*180*15				108927		198927	144	180	15
145*160*10	102828						145	160	10
145*160*13				103474			145	160	13
145*163*7	113452						145	163	7
145*164*14				106999			145	164	14
145*165*10		105946					145	165	10
145*165*13	116180	103806	100774	111730	190774	191730	145	165	13
145*165*14		107645		103096			145	165	14
145*165*15	106684						145	165	15
145*167*13		104159					145	167	13
145*168*13				101771			145	168	13
145*170*12	114845	105118					145	170	12
145*170*13		106039		112157		192157	145	170	13
145*170*14				107872		197872	145	170	14
145*170*15	440095	101941	100523	104557	190523	194557	145	170	15
145*170*20		109296					145	170	20
145*172*13		110772		114869		194869	145	172	13
145*175*10		115723					145	175	10
145*175*12	109278	111537					145	175	12
145*175*13		104860	100343	102706	410129	192706	145	175	13
145*175*14		100777	101025	103251			145	175	14
145*175*15		102779	101722	100112	191722	190112	145	175	15
145*175*17		113192					145	175	17

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
145*180*12	102016	106509					145	180	12
145*180*13	105734	114240	102936	103069	192936	193069	145	180	13
145*180*14	105735	108418		112915		192915	145	180	14
145*180*15		103600		106981		196981	145	180	15
145*184*15		112616					145	184	15
145*185*13				103070		193070	145	185	13
145*185*15	102104						145	185	15
145*190*16		110967		113207		193207	145	190	16
146*163*7	113023						146	163	7
146*164*14				108553		198553	146	164	14
146*170*14				109101		199101	146	170	14
146*170*18				107964		197964	146	170	18
146.05*168.27*12.7	109279		104165				146.05	168.27	12.7
146.05*168.27*15.88				101946		191946	146.05	168.27	15.88
146.05*171.45*12.7	109161	115017	101840	110191	191840	190191	146.05	171.45	12.7
146.05*171.45*14.3				112310		192310	146.05	171.45	14.3
146.05*174.63*12.7				115059		195059	146.05	174.63	12.7
146.05*177.8*12.7		115714		112283		192283	146.05	177.8	12.7
146.05*177.8*14.3				110646		190646	146.05	177.8	14.3
146.05*177.8*15.88				108459	380174	198459	146.05	177.8	15.88
146.05*190.5*14.3	113685			103370		193370	146.05	190.5	14.3
146.05*225.43*19.05		102222					146.05	225.43	19.05
148*170*13		108089					148	170	13
148*170*14		110739					148	170	14
148*170*14.5	105565	115000		102431		192431	148	170	14.5
148*170*15		101960	105610	108416	195610	198416	148	170	15
148*180*15				109708		199708	148	180	15
148*200*18		111813					148	200	18
149*176*16		114803					149	176	16
149.23*174.63*12.7	103490	111850					149.23	174.63	12.7
149.23*180.98*15.88				114791		194791	149.23	180.98	15.88
149.23*190.5*12.7				113138		193138	149.23	190.5	12.7
149.5*180*13	113648						149.5	180	13
150*162*9	103400						150	162	9
150*165*14				106400			150	165	14
150*168*12	106728	112943					150	168	12
150*168*13		106151					150	168	13
150*168*14				100175			150	168	14
150*168*15		107795					150	168	15
150*170*12	113475	105119		103123			150	170	12
150*170*13	105222	110221		106543			150	170	13
150*170*15	440118	105906	104686	110267	194686	190267	150	170	15
150*172*13				109948		199948	150	172	13
150*172*15	110155						150	172	15
150*172*17		104635					150	172	17
150*175*13		115310		113243		193243	150	175	13

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
150*175*16				110866		190866	150	175	16
150*176*16				110499		190499	150	176	16
150*180*8.5	112615	114723					150	180	8.5
150*180*12	102319	104586		109697		199697	150	180	12
150*180*13	100680	103059	103590	103124	193590	192701	150	180	13
150*180*14	104016	103268		183124			150	180	14
150*180*15	100072	111021	102136	105442	192136	195442	150	180	15
150*180*16			108069		198069		150	180	16
150*180*17				100749			150	180	17
150*180*18		101679					150	180	18
150*185*15		102780					150	185	15
150*190*15		106197	109180	111834	199180	191834	150	190	15
150*195*13		116550					150	195	13
150*200*12	115258						150	200	12
150*200*13		110507					150	200	13
150*200*15		111144		110653		190653	150	200	15
150*210*12				114042		194042	150	210	12
150*210*15		115463		108048		198048	150	210	15
150*225*15		110848					150	225	15
150.81*177.8*12.7	103619						150.81	177.8	12.7
150.83*177.8*12.7		101691					150.83	177.8	12.7
151.97*182.58*15.88	107264						151.97	182.58	15.88
152*180*15				108396		198396	152	180	15
152*182*15		109050					152	182	15
152*185*15		111731					152	185	15
152*190*15				112203		192203	152	190	15
152.4*177.8*12.7		104699		115731		195731	152.4	177.8	12.7
152.4*177.8*15.88		115476		115793		195793	152.4	177.8	15.88
152.4*180.98*12.7				108809		198809	152.4	180.98	12.7
152.4*180.98*14.3				101943		191943	152.4	180.98	14.3
152.4*190.5*12.7	110042	113686		108297		198297	152.4	190.5	12.7
152.4*190.5*14.3			103503	109732	193503	199732	152.4	190.5	14.3
152.4*190.5*15.88		114940					152.4	190.5	15.88
152.4*190.5*19.05	114277						152.4	190.5	19.05
152.4*196.85*9.53		107094					152.4	196.85	9.53
153*168*9				116226		196226	153	168	9
154*175*12				103361			154	175	12
154*175*14				113326			154	175	14
154*180*15				108993		198993	154	180	15
154*180*17		103291					154	180	17
154*180*18		111657		106592		196592	154	180	18
154*180.98*12.7		114141					154	180.98	12.7
155*172*13				100558			155	172	13
155*172*14				108028		198028	155	172	14
155*174*12	102996	102781					155	174	12
155*174*13.5		109048					155	174	13.5

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
155*175*8.5		112461					155	175	8.5
155*175*12	113165						155	175	12
155*175*13		107091					155	175	13
155*176*16				107532		197532	155	176	16
155*178*13		115861					155	178	13
155*180*12		100668					155	180	12
155*180*13			113052	108123	193052		155	180	13
155*180*14	116469			112167		192167	155	180	14
155*180*15	440096	106800	105608	106565	195608	196565	155	180	15
155*182*15		109051					155	182	15
155*185*14		107053		104900			155	185	14
155*185*15	102130	111991	105194				155	185	15
155*190*13		102782	110607		190607		155	190	13
155*190*15	106215	109594	101870	102962	191870	192962	155	190	15
155*190*17				108029		198029	155	190	17
155*200*15		101959	106371		196371		155	200	15
155.57*180.97*12.7		114142					155.57	180.97	12.7
155.57*180.97*15.88				108850		198850	155.57	180.97	15.88
155.57*180.98*12.7	111138						155.57	180.98	12.7
155.57*193.68*15.88				114685		194685	155.57	193.68	15.88
155.57*193.68*19.05				113350		193350	155.57	193.68	19.05
157*190*15				112210		192210	157	190	15
157.18*190.5*6.35	101775						157.18	190.5	6.35
157.18*190.5*14.3			115992		195992		157.18	190.5	14.3
158*180*15	110152	114544				188947	158	180	15
158*180*16				108947		198947	158	180	16
158*182*17				101983			158	182	17
158*190*15	111302						158	190	15
158.34*190.5*15.88				104874		194874	158.34	190.5	15.88
158.75*182.58*15.88		106081					158.75	182.58	15.88
158.75*184.15*12.7	102069	103636		111555		191555	158.75	184.15	12.7
158.75*190.5*12.7				108131		198131	158.75	190.5	12.7
158.75*190.5*14.3				110497		190497	158.75	190.5	14.3
158.75*190.5*19.05				114416		194416	158.75	190.5	19.05
158.75*196.85*12.7				113737		193737	158.75	196.85	12.7
158.75*196.85*15.88			115548		195548		158.75	196.85	15.88
158.75*196.85*19.05				112982		192982	158.75	196.85	19.05
158.75*209.55*12.7				112965		192965	158.75	209.55	12.7
160*177.8*10		100748					160	177.8	10
160*180*10		105739	106420	106406			160	180	10
160*180*12		106258	105936				160	180	12
160*180*13		103921		102267		192267	160	180	13
160*180*15	106685	105171	100246	103373	190246	193373	160	180	15
160*182*17				101800			160	182	17
160*185*10	440039	102783	105085	111608	195085	191608	160	185	10
160*185*12		104753					160	185	12

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
160*185*13		102784		111732		191732	160	185	13
160*185*14	114982						160	185	14
160*185*15		103417					160	185	15
160*187.8*10		100980					160	187.8	10
160*188*12		115437					160	188	12
160*190*8		106893					160	190	8
160*190*12		106472					160	190	12
160*190*13	105267	103173	102518	103531	192518	193531	160	190	13
160*190*14		113470					160	190	14
160*190*15	101754	111020	100082	109609	190082	199609	160	190	15
160*190*16		104204		104320		194320	160	190	16
160*195*15		105576					160	195	15
160*200*12	103249	106054					160	200	12
160*200*13				115156		195156	160	200	13
160*200*14	110743	111548	115268	185156	195268		160	200	14
160*200*15	103034	103912	103174	110220	193174	190220	160	200	15
160*200*16		115512					160	200	16
160*210*15		115069					160	210	15
160*215*15		115247	115089		195089		160	215	15
160*240*14		115854					160	240	14
161*200*14				116086		196086	161	200	14
161.92*187.33*15.88		107504					161.92	187.33	15.88
161.93*187.32*12.7		114143					161.93	187.32	12.7
162*190*12	107027						162	190	12
162*190*15				115559		195559	162	190	15
165*180*10				114634		194634	165	180	10
165*180*13		111814					165	180	13
165*185*13		116363		103574		193574	165	185	13
165*188*15		107482					165	188	15
165*190*8.5		111748					165	190	8.5
165*190*12		115189					165	190	12
165*190*13	105430	100911	108159	110373	198159	190373	165	190	13
165*190*14		107646					165	190	14
165*190*15		102798	102405	102960	192405	192960	165	190	15
165*190*17		113425					165	190	17
165*195*13	112224						165	195	13
165*195*15		110333					165	195	15
165*195*16		112124					165	195	16
165*195*18	102131	100828	105195				165	195	18
165*195*19				115965		195965	165	195	19
165*200*15	107827	105120		110679		190679	165	200	15
165.1*190.5*12.7		104788		108984		198984	165.1	190.5	12.7
165.1*190.5*14.3	114058			104885			165.1	190.5	14.3
165.1*196.85*12.7		104700					165.1	196.85	12.7
165.1*196.85*15.88				109831		199831	165.1	196.85	15.88
165.1*203.2*12.7				107581		197581	165.1	203.2	12.7

## DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
165.1*203.2*15.88				103324		193324	165.1	203.2	15.88
165.1*203.2*19.05	111579			113193		193193	165.1	203.2	19.05
168*190*15				110226		190226	168	190	15
168*190*16		108423					168	190	16
168*200*15	110879		114219		194219		168	200	15
168.27*193.68*12.7		115206					168.27	193.68	12.7
168.27*203.2*15.88				112163		192163	168.27	203.2	15.88
168.28*206.38*12.7						183547	168.28	206.38	12.7
168.28*206.38*15.88				113547		193547	168.28	206.38	15.88
169*184*7	107038						169	184	7
170*190*8.5		103575					170	190	8.5
170*190*10		103236		103235		193235	170	190	10
170*190*12			105935				170	190	12
170*190*13	109503	104693		111961		191961	170	190	13
170*190*14	113983						170	190	14
170*190*15	104681	107514	105496	111221	195496	191221	170	190	15
170*195*18				105304			170	195	18
170*200*12	109372	101945					170	200	12
170*200*13	113699	115724	110902	110162	190902	190162	170	200	13
170*200*14	110250						170	200	14
170*200*15	100265	111039	100003	102958	190003	192958	170	200	15
170*200*16		100614	107234	104319	197234	194319	170	200	16
170*200*18		105848					170	200	18
170*204*10	380109	101237					170	204	10
170*205*15		107110					170	205	15
170*205*16		111377					170	205	16
170*205*18	114238						170	205	18
170*210*12		111342					170	210	12
170*210*14	114946						170	210	14
170*210*15		103766		107590		197590	170	210	15
170*210*16	107332	110736		113088		193088	170	210	16
170*210*20		115789					170	210	20
170*215*15	105236						170	215	15
170*215*16				110472		190472	170	215	16
170*220*15		107081					170	220	15
170*240*13		114247					170	240	13
170*240*15				114305		194305	170	240	15
171.45*196.85*12.7		106238					171.45	196.85	12.7
171.45*196.85*15.88				114647		194647	171.45	196.85	15.88
171.45*196.85*19.05				113008		193008	171.45	196.85	19.05
171.45*203.2*12.7		114955					171.45	203.2	12.7
171.45*203.2*15.88		116590		112946		192946	171.45	203.2	15.88
171.45*209.55*14.3						193345	171.45	209.55	14.3
171.45*209.55*15.88				108054		198054	171.45	209.55	15.88
171.45*209.55*19.05	111063			112955		192955	171.45	209.55	19.05
172*190*8.5		115770					172	190	8.5

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
172*200*15			103091	110953	193091	190953	172	200	15
173*197*8		115876					173	197	8
174*191*9		112368					174	191	9
174.62*200.02*12.7		114144					174.62	200.02	12.7
174.62*200.02*14.3		114145					174.62	200.02	14.3
174.63*200.02*15.88				114720		194720	174.63	200.02	15.88
174.63*203.2*15.88				114902		194902	174.63	203.2	15.88
175*200*10	110531						175	200	10
175*200*12	113440	114249					175	200	12
175*200*13		107568		102265			175	200	13
175*200*15	106350	104284	101124	100717	191124	190717	175	200	15
175*205*13				115450		195450	175	205	13
175*205*15	101708	106704		111536		191536	175	205	15
175*210*14	101309	106573					175	210	14
175*210*15	116042	106973	106507	111136	196507	191136	175	210	15
175*210*16			186507				175	210	16
175*215*15		108790		109438		199438	175	215	15
175*215*16			101510	110166	191510	190166	175	215	16
175*220*15				112361		192361	175	220	15
177*206*12	112832						177	206	12
177.8*203.2*12.7	103039	113434	114197		194197		177.8	203.2	12.7
177.8*203.2*15.88			101841	101942	191841	191942	177.8	203.2	15.88
177.8*203.2*19.05				111120		191120	177.8	203.2	19.05
177.8*209.55*15.88				108652		198652	177.8	209.55	15.88
177.8*209.55*19.05			101885	113420	191885	193420	177.8	209.55	19.05
177.8*215.9*12.7		107664					177.8	215.9	12.7
177.8*215.9*15.88				103327		193327	177.8	215.9	15.88
177.8*215.9*19.05		113037					177.8	215.9	19.05
177.8*236.55*15.88				114753		194753	177.8	236.55	15.88
178*200*15		114389		113166		193166	178	200	15
178*215*16	103101			110793		190793	178	215	16
180*200*12	109373	113125		115497		195497	180	200	12
180*200*13	105289	110406		100114		190114	180	200	13
180*200*14		107651					180	200	14
180*200*15		401343	102156	101609	192156	191609	180	200	15
180*200*16		105738					180	200	16
180*200*17				112377		192377	180	200	17
180*210*8		114583					180	210	8
180*210*10		106811					180	210	10
180*210*12				115335		195335	180	210	12
180*210*13		105540					180	210	13
180*210*14		114426					180	210	14
180*210*15	100971	102737	100488	103576	190488	193576	180	210	15
180*210*16	102132	100655	105196	183576			180	210	16
180*210*18		100831					180	210	18
180*215*15		101659	102879	103453	192879	193453	180	215	15

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
180*215*16	103009	103010	102070	109893	192070	199893	180	215	16
180*215*18				100779			180	215	18
180*220*12		115382					180	220	12
180*220*13		112139	114907		194907		180	220	13
180*220*15	101836	106812		108893		198893	180	220	15
180*220*16	101310	108185	103495	102959	193495	192959	180	220	16
180*220*18			110243		190243		180	220	18
180*230*16			108043		198043		180	230	16
180*230*17		115605					180	230	17
180.98*203.2*19.05				110946		190946	180.98	203.2	19.05
180.98*209.55*19.05				113562		193562	180.98	209.55	19.05
180.98*219.08*14.3	113586						180.98	219.08	14.3
180.98*219.08*19.05				107543		197543	180.98	219.08	19.05
182*215*16				113721		193721	182	215	16
184.15*215.9*15.88				114312		194312	184.15	215.9	15.88
184.15*215.9*19.05	115200						184.15	215.9	19.05
184.15*222.25*14.28	101660						184.15	222.25	14.28
184.15*222.25*14.3		114146					184.15	222.25	14.3
184.15*222.25*19.05		114147		109683		199683	184.15	222.25	19.05
185*205*10		115614					185	205	10
185*210*10	107344						185	210	10
185*210*13	101569	401038		111373		191373	185	210	13
185*210*15		108448					185	210	15
185*215*13		114767					185	215	13
185*215*15	105226	108669	102446	112991	192446	192991	185	215	15
185*215*16	107026		107045	113175	197045	193175	185	215	16
185*220*15	108720						185	220	15
185*225*16				111642		191642	185	225	16
185*225*18		107419					185	225	18
185*230*16			103040		193040		185	230	16
185.34*205.59*7.95				114296		194296	185.34	205.59	7.95
187.33*225.43*14.3		104989					187.33	225.43	14.3
187.33*228.6*11.13	106361						187.33	228.6	11.13
188*215*15				110116		190116	188	215	15
188*215*16			104300		194300		188	215	16
190*208*10	107478						190	208	10
190*210*10		107647					190	210	10
190*210*15				110569		190569	190	210	15
190*215*15	101505	108377		102785		192785	190	215	15
190*215*16		108055	102142	111008	192142	191008	190	215	16
190*220*12		105121		106109		196109	190	220	12
190*220*13				108125			190	220	13
190*220*15	100073	100912	103334	107912	193334	197912	190	220	15
190*220*16	101311	111438	107180		197180		190	220	16
190*220*20		114804					190	220	20
190*225*12	102105	111146					190	225	12

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
190*225*13		104074					190	225	13
190*225*15		105290					190	225	15
190*225*16	103183	103162	105791	105190	195791		190	225	16
190*230*15	101454	102901	108030		198030		190	230	15
190*230*16		104285	102143	110068	192143	190068	190	230	16
190*230*17		111771					190	230	17
190*240*15		108063					190	240	15
190*240*18		110687					190	240	18
190*250*16		111957					190	250	16
190.5*215.9*15.88				108640		198640	190.5	215.9	15.88
190.5*228.6*14.28	103172						190.5	228.6	14.28
190.5*228.6*15.88				110358		190358	190.5	228.6	15.88
190.5*228.6*19.05		114080		114087		194087	190.5	228.6	19.05
192*210*10	102669		102347				192	210	10
193*223*15	111846						193	223	15
193.68*231.77*14.3	112038						193.68	231.77	14.3
193.68*231.78*15.88			116014		196014		193.68	231.78	15.88
193.68*231.8*14.3		114148					193.68	231.8	14.3
193.68*241.3*19.05		114149					193.68	241.3	19.05
195*215*15		105948					195	215	15
195*220*12		115068					195	220	12
195*220*13	111495						195	220	13
195*220*16		110234		103071		193071	195	220	16
195*222*10		114814					195	222	10
195*225*15		114474					195	225	15
195*225*16		108792					195	225	16
195*230*15	440033	111905	102916	109820	192916	199820	195	230	15
195*230*16	100775	106686	102086	111451	192086	191451	195	230	16
195*230*17	110506						195	230	17
195*235*15		103444					195	235	15
195*235*16		115032					195	235	16
195*250*22			108031		198031		195	250	22
196.85*222.25*11.13		105617					196.85	222.25	11.13
196.85*222.25*12.7				113932		193932	196.85	222.25	12.7
196.85*225.43*15.88				112709		192709	196.85	225.43	15.88
196.85*228.6*15.88				115554		195554	196.85	228.6	15.88
196.85*234.95*15.88				111013		191013	196.85	234.95	15.88
198*230*15		114023					198	230	15
200*215*10		111735					200	215	10
200*215*15		101935					200	215	15
200*220*15		103807					200	220	15
200*221*9		114215					200	221	9
200*225*15	102071	102786					200	225	15
200*230*13	103681	107144		116334	196334		200	230	13
200*230*14			182158				200	230	14
200*230*15	100984	100806	102158	102970	192158	192970	200	230	15

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
200*230*16	102743	111408	101312	110470	191312	190470	200	230	16
200*230*18				115157		195157	200	230	18
200*235*15		100373					200	235	15
200*235*16	103423			108938			200	235	16
200*235*18	103421	112143					200	235	18
200*240*15	102120	108006					200	240	15
200*240*16			110709	103338	190709	193338	200	240	16
200*240*16.5	101896						200	240	16.5
200*240*17				113195		193195	200	240	17
200*240*18		102639					200	240	18
200*240*20		401387		112696		192696	200	240	20
200*250*15	102744	105471	102571	110660	192571	190660	200	250	15
200*250*16	114234			111693		191693	200	250	16
200*255*15				110698		190698	200	255	15
200*300*15	115262						200	300	15
200.03*238.13*19.05			104292		194292		200.03	238.13	19.05
203.2*228.6*12.7				107620		197620	203.2	228.6	12.7
203.2*228.6*15.88		113025	101842	109119	191842	199119	203.2	228.6	15.88
203.2*234.95*15.88				110950		190950	203.2	234.95	15.88
203.2*234.95*19.05				110977		190977	203.2	234.95	19.05
203.2*241.3*12.7		115252		113548		193548	203.2	241.3	12.7
203.2*241.3*14.28	105136						203.2	241.3	14.28
203.2*241.3*14.3		105313					203.2	241.3	14.3
203.2*241.3*15.88				110307		190307	203.2	241.3	15.88
203.2*241.3*19.05		113535					203.2	241.3	19.05
203.2*254*15.88				112910		192910	203.2	254	15.88
203.2*254*25.4				113803		193803	203.2	254	25.4
204*235*16		115819					204	235	16
205*230*15	101455	110801	102072		192072		205	230	15
205*230*16	102396		102394		192394		205	230	16
205*235*16		111344		113424		193424	205	235	16
205*240*12				115635		195635	205	240	12
205*240*15		113465					205	240	15
205*245*16	114995						205	245	16
205*250*16	103397			113767		193767	205	250	16
206.38*244.48*14.3	108142						206.38	244.48	14.3
207*230*14		113926					207	230	14
209.55*234.95*12.7				116102	410332	196102	209.55	234.95	12.7
209.55*234.95*15.88				110168		190168	209.55	234.95	15.88
209.55*247.65*14.3		105618					209.55	247.65	14.3
209.55*260.35*15.88			115841	115401	195841	195401	209.55	260.35	15.88
210*225*12		115383					210	225	12
210*230*15	105757						210	230	15
210*240*12			107849				210	240	12
210*240*15	102558	102418	102180	107862	192180	197862	210	240	15
210*240*16		111733					210	240	16

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
210*245*18		114205					210	245	18
210*250*13				111180		191180	210	250	13
210*250*15	102870	102507		110720		190720	210	250	15
210*250*16	104743	111542	103752	106352	193752	196352	210	250	16
210*250*20		110827	380313	106353			210	250	20
210*260*20			116260	115052	196260	195052	210	260	20
210*290*20		106896					210	290	20
215*240*12	102508	106687	102939	110323	192939	190323	215	240	12
215*240*15		106152					215	240	15
215*245*12		107483					215	245	12
215*245*16				108130		198130	215	245	16
215*248*15	114968						215	248	15
215*250*12		111734					215	250	12
215*250*16	102378	104005	106107		196107		215	250	16
215*255*18	106758						215	255	18
215.9*241.3*12.7		115251					215.9	241.3	12.7
215.9*241.3*15.88	115912						215.9	241.3	15.88
215.9*247.65*19.05		112894					215.9	247.65	19.05
215.9*254*14.28	102410						215.9	254	14.28
215.9*254*19.05	112811	114150					215.9	254	19.05
218*250*16		113574	103074		193074		218	250	16
219.08*269.88*15.88		116443	114788		194788		219.08	269.88	15.88
220*240*15		111874					220	240	15
220*245*15				112723		192723	220	245	15
220*250*11			101120				220	250	11
220*250*12		109875					220	250	12
220*250*14	102559						220	250	14
220*250*15	100074	102829	102159	103550	192159	193550	220	250	15
220*250*16	102106	104836		109523		199523	220	250	16
220*250*21				113135		193135	220	250	21
220*255*16	102830	111256	115951	188008	195951		220	255	16
220*255*18		102787		108008		198008	220	255	18
220*260*12		111255					220	260	12
220*260*14	104307	111254					220	260	14
220*260*15	101221	110421		111179		191179	220	260	15
220*260*16	103312	109787					220	260	16
220*260*18		110968					220	260	18
220*260*20		110954					220	260	20
220*260*22		109608		108009		198009	220	260	22
220*270*15		107288	106342	115395	196342	195395	220	270	15
220*275*23		102033					220	275	23
220*275*25		116438					220	275	25
220*280*20	115280						220	280	20
222.25*260.35*14.3		108242					222.25	260.35	14.3
225*245*15				111513		191513	225	245	15
225*250*13				111178		191178	225	250	13

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
225*250*15	111225			115208		195208	225	250	15
225*250*16			102217		192217		225	250	16
225*260*15		116034					225	260	15
225*270*15		113045					225	270	15
228.6*254*11.13	110731						228.6	254	11.13
228.6*254*12.7				113740		193740	228.6	254	12.7
228.6*254*15.88			116374		196374		228.6	254	15.88
228.6*254*19.05			114284		194284		228.6	254	19.05
228.6*266.7*14.28	103587						228.6	266.7	14.28
228.6*266.7*14.3		114151					228.6	266.7	14.3
228.6*279.4*15.88				114168		194168	228.6	279.4	15.88
228.6*279.4*19.05				114074		194074	228.6	279.4	19.05
230*250*15	111662	114657					230	250	15
230*251*10		114216					230	251	10
230*255*10		107474	102194		192194		230	255	10
230*255*15	101361	114893	101121	111278	191121	191278	230	255	15
230*260*15	100337	102801	101222	106168	191222	196168	230	260	15
230*260*16		115664					230	260	16
230*260*20		102707		106354		196354	230	260	20
230*269*22	100705						230	269	22
230*270*15	101456	102411	101457	111452	191457	191452	230	270	15
230*270*16	114044	114195	102379	102880	192379	192880	230	270	16
230*270*20		104148					230	270	20
230*270*22		106341					230	270	22
230*280*15	102745	114510		113579		193579	230	280	15
230*280*16	107028			115318		195318	230	280	16
230*285*23		104341					230	285	23
232*275*20			115192		195192		232	275	20
234.95*279.4*19.05				103325		193325	234.95	279.4	19.05
234.95*285.75*15.88				113778		193778	234.95	285.75	15.88
235*260*15				102788		192788	235	260	15
235*265*15	112100						235	265	15
235*270*16			100242	111369	190242	191369	235	270	16
235*275*16				114819		194819	235	275	16
235*285*16				115278		195278	235	285	16
239.73*260.35*12.7				116520		196520	239.73	260.35	12.7
240*265*15		115719					240	265	15
240*270*15	102121	106487	100763	103089	190763	193089	240	270	15
240*270*16				110668		190668	240	270	16
240*275*15		107267					240	275	15
240*275*16	380198	104240					240	275	16
240*275*18		114683					240	275	18
240*276*15			113468		193468		240	276	15
240*278*19		115717					240	278	19
240*280*15	101115	108419		107781		197781	240	280	15
240*280*16		103888	102841	110937	192841	190937	240	280	16

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
240*280*18			113469		193469		240	280	18
240*280*20		107268					240	280	20
240*290*16			114114		194114		240	290	16
240*300*18		103504					240	300	18
240*300*20		112416					240	300	20
241.3*273.05*15.88				115088		195088	241.3	273.05	15.88
241.3*279.4*14.3		115693					241.3	279.4	14.3
241.3*279.4*15.88				111916		191916	241.3	279.4	15.88
241.3*279.4*19.05		114152					241.3	279.4	19.05
244.48*260.35*9.53				110303			244.48	260.35	9.53
245*270*15		113626					245	270	15
245*270*16			100776	113910	190776	193910	245	270	16
245*273*15		114335		114246		194246	245	273	15
245*280*15		108787					245	280	15
248*280*10		115441					248	280	10
250*270*12	114192						250	270	12
250*280*15	100075	104722	100762	105050	190762	195050	250	280	15
250*280*16	107029	107269	106118		196118		250	280	16
250*280*18				112245		192245	250	280	18
250*285*18		111205		100970			250	285	18
250*290*15	101116	106688		110543		190543	250	290	15
250*290*16		110428	103658	110629	193658	190629	250	290	16
250*300*20		115182					250	300	20
250*310*25				113489		193489	250	310	25
250*320*18		114524					250	320	18
254*269.88*9.53				110295			254	269.88	9.53
254*279.4*14.3	380219	111789	102938				254	279.4	14.3
254*292.1*14.28	102479						254	292.1	14.28
254*292.1*14.3		114153					254	292.1	14.3
254*304.8*31.75				114931		194931	254	304.8	31.75
255*285*16		115494					255	285	16
255*290*16	111504	115739	106485	111164	196485	191164	255	290	16
255*300*18		113739					255	300	18
258*290*16	114223						258	290	16
260*280*15		108871					260	280	15
260*280*16		111308		108841		198841	260	280	16
260*281*11		115649					260	281	11
260*290*15	104908	110737		111594		191594	260	290	15
260*290*16	103013	108420	102232	101937	192232	191937	260	290	16
260*290*20				106785		196785	260	290	20
260*300*15	101458						260	300	15
260*300*16		109627	102122	114752	192122	194752	260	300	16
260*300*18		114059	103186				260	300	18
260*300*20	103782	105463	102218	107655	192218	197655	260	300	20
260*304*20				112315		192315	260	304	20
260*305*18		114817					260	305	18

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
260*310*16				110041		190041	260	310	16
260*320*16				113493		193493	260	320	16
260*320*20	380050	110688					260	320	20
260*320*25	380113	107354		113196		193196	260	320	25
260.35*311.15*19.05				103328		193328	260.35	311.15	19.05
265*290*15					410123	184218	265	290	15
265*290*16	102447	112530	102667	114218	192667	194218	265	290	16
265*294*12		116027					265	294	12
265*295*16				112944		192944	265	295	16
265*300*15		116056					265	300	15
265*300*16			101011		191011		265	300	16
265*310*16				110548		190548	265	310	16
266.7*304.8*15.88				114704		194704	266.7	304.8	15.88
266.7*304.8*19.05				113026		193026	266.7	304.8	19.05
266.7*314.33*17.48		110000					266.7	314.33	17.48
268*310*15				111773		191773	268	310	15
269*300*15				111774		191774	269	300	15
270*290*10	114220						270	290	10
270*300*15		111914	103323	111710	193323	191710	270	300	15
270*310*15	101459						270	310	15
270*310*16	380036	104318	380154	104317	380188	194317	270	310	16
270*310*18				114268		194268	270	310	18
270*314*20				113804		193804	270	314	20
270*320*18		116380					270	320	18
270*320*20	380201	111673					270	320	20
270*330*25				104816			270	330	25
273.05*292.1*12.7		114154					273.05	292.1	12.7
273.05*298.45*15.88				115743		195743	273.05	298.45	15.88
273.05*311.15*14.3				113043		193043	273.05	311.15	14.3
275*294*12	102219		109645		199645		275	294	12
275*310*16		112474		110655		190655	275	310	16
275*315*20		115663					275	315	20
275*320*15	114895						275	320	15
278*320*20	380051	113248					278	320	20
279.4*304.8*12.7				115604		195604	279.4	304.8	12.7
279.4*304.8*16.66		112301					279.4	304.8	16.66
279.4*311.15*15.88	116177						279.4	311.15	15.88
279.4*317.5*19.05			116155		196155		279.4	317.5	19.05
280*310*15	116179	101936		106478		196478	280	310	15
280*310*16		109247	105572	111031	195572	191031	280	310	16
280*310*18	380080	111546					280	310	18
280*318*15				115536		195536	280	318	15
280*320*15	108158	113297					280	320	15
280*320*16	380309	106689		115462		195462	280	320	16
280*320*18	380110	111372	111920	113436	191920	193436	280	320	18
280*320*20	107171	111080	106782	110096	196782	190096	280	320	20

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
280*324*20	380230	113231					280	324	20
280*330*20				112979		192979	280	330	20
280*340*17	380213	112585					280	340	17
282*320*22				113134		193134	282	320	22
285*310*16		111407		111532		191532	285	310	16
285*325*16	380240	111129					285	325	16
285.75*317.5*15.88				115667		195667	285.75	317.5	15.88
287*330*18		113662					287	330	18
288*310*16				111742		191742	288	310	16
290*306*8		113164					290	306	8
290*320*15	380267	105332					290	320	15
290*330*16				110623		190623	290	330	16
290*330*18	380076	108724	110704	104013	190704	194013	290	330	18
290*350*25	380200	115454					290	350	25
295*325*16		114813					295	325	16
295*335*18				114199		194199	295	335	18
298.45*336.55*17.48				115883		195883	298.45	336.55	17.48
300*332*16	110598	113841		110890		190890	300	332	16
300*332*16			100247		190247		300	332	16
300*335*18				111068	380091	191068	300	335	18
300*340*15	380225	105472					300	340	15
300*340*16	102320	107224		110810		190810	300	340	16
300*340*18	104799	110522		110526		190526	300	340	18
300*340*20	116082	111315		110684	193920	190684	300	340	20
300*340*20 (仁華)	106374						300	340	20 (ㄨ)
300*340*20			103920				300	340	20
300*344*20				112505		192505	300	344	20
300*345*18		114816					300	345	18
300*360*25				113197		193197	300	360	25
304.8*330.2*12.7	380236	114155					304.8	330.2	12.7
304.8*330.2*15.88				116439		196439	304.8	330.2	15.88
305*355*20				116472		196472	305	355	20
310*340*15	380074	112518					310	340	15
310*350*18	380239	111082		110816		190816	310	350	18
310*350*20	380056	106974	116128	114563	196128	194563	310	350	20
310*354*20				112532		192532	310	354	20
315*355*18				109802		199802	315	355	18
315*355*20	380038	111348					315	355	20
315*365*16				114821	410124	194821	315	365	16
315*365*20				113379		193379	315	365	20
317.5*374.65*25.4				113999		193999	317.5	374.65	25.4
320*350*15	107036						320	350	15
320*350*16		114085		111067		191067	320	350	16
320*350*18	380266	114915	105510	110659	195510	190659	320	350	18
320*350*20		113270					320	350	20
320*360*15	116078	114886					320	360	15

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
320*360*18	380049	105484		111096		191096	320	360	18
320*360*20	110742	110840	106434	108428	196434	198428	320	360	20
320*364*20		113502					320	364	20
320*380*25				111917		191917	320	380	25
320*480*20	380195	113441					320	480	20
323.85*346.08*14.3	106636						323.85	346.08	14.3
325*365*16	380212	113184		110934		190934	325	365	16
330*360*18				112963		192963	330	360	18
330*370*18	380084	111667	108096	111654	198096	191654	330	370	18
330*370*20				111595		191595	330	370	20
330*374*20				114692		194692	330	374	20
330*380*10	380182	115647					330	380	10
330*390*25			115891	113880	195891	193880	330	390	25
335*375*18	380303	114601		112083		192083	335	375	18
340*370*15	380235	104695					340	370	15
340*372*16		113726	106503	111427	196503	191427	340	372	16
340*380*15				113313		193313	340	380	15
340*380*18	380098	112855	110409	109957	190409	199957	340	380	18
340*380*20	380092	111522	108097	111304	198097	191304	340	380	20
340*384*20	380217	115870		113553		193553	340	384	20
350*380*15	380040	111859					350	380	15
350*380*16	380160	112859		111239		191239	350	380	16
350*390*18	380112	113467	109365	110951	199365	190951	350	390	18
350*393*12		115263					350	393	12
350*395*20				114730		194730	350	395	20
350*405*20		112458					350	405	20
350*410*28	380237	111652					350	410	28
355.6*393.7*15.88				111581			355.6	393.7	15.88
360*390*15	380156	105086					360	390	15
360*390*16		111704					360	390	16
360*392*20				115459		195459	360	392	20
360*400*16		115435					360	400	16
360*400*18	380190	114595		102937		192937	360	400	18
360*400*20	110999	110998		110604		190604	360	400	20
360*404*20	380194	113234					360	404	20
360*420*20				111702		191702	360	420	20
365*405*14		114509					365	405	14
365*405*15	380041	114687					365	405	15
365*405*18				111151		191151	365	405	18
367*406*18		112289					367	406	18
368.3*419.1*19.05				113083		193083	368.3	419.1	19.05
370*410*15	380042	112144					370	410	15
370*410*20				114200	380294	194200	370	410	20
370*415*20	380197	115746					370	415	20
370*420*20			116437		196437		370	420	20
370*420*25	380043	111336		113402		193402	370	420	25

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
375*420*16			116407		196407		375	420	16
375*420*20			106477		196477		375	420	20
380*410*12		115473					380	410	12
380*410*13		113466					380	410	13
380*420*15	380044	112358					380	420	15
380*420*20	380088	111081		109527	199527	190820	380	420	20
380*420*25		113211					380	420	25
380*424*20		115881		112789		192789	380	424	20
380*430*19		112178		110230		190230	380	430	19
385*425*15	116123						385	425	15
385*430*30				113414		193414	385	430	30
390*420*15	380159	110842					390	420	15
390*425*18		114321		113381		193381	390	425	18
390*430*18	380181	112034		113333		193333	390	430	18
390*430*20	380093	114993					390	430	20
394*420*16	380111	114514					394	420	16
395*430*18				113093	380055	193093	395	430	18
400*440*18		113935		113654	380087	193654	400	440	18
400*440*20	105273	106768	109410	113274	199410	193274	400	440	20
400*450*20				113653		193653	400	450	20
400*451*17.45	380158	113239					400	451	17.45
405*444*18		112290					405	444	18
406.4*444.5*17.48				113058		193058	406.4	444.5	17.48
406.4*457.2*20.64	114017						406.4	457.2	20.64
410*440*12		114887					410	440	12
410*440*15	380086	104697					410	440	15
410*460*22				114187		194187	410	460	22
410*470*25		115010		113415		193415	410	470	25
420*460*20	380150	106769	100840	111974	190840	191974	420	460	20
420*470*15		115852					420	470	15
420*470*20	380045	112031					420	470	20
420*470*22		113503					420	470	22
430*470*18	380180	111876					430	470	18
430*470*20				115706		195706	430	470	20
440*470*20				113794		193794	440	470	20
440*480*20		113471	110705	110903	190705	190903	440	480	20
445*480*16		112332		114164		194164	445	480	16
448*480*18	380046	113286					448	480	18
450*480*25	114016						450	480	25
450*490*16				110913		190913	450	490	16
450*490*20	380216	115846					450	490	20
450*510*25		112700	111042	111037	191042	191037	450	510	25
455*495*20				115532		195532	455	495	20
457.2*514.35*25.4				113019		193019	457.2	514.35	25.4
460*500*20	380146	113198	109366	114729	199366	194729	460	500	20
467*510*20	380083	110882		113606		193606	467	510	20

# DIN TOOL LIST

SIZE	SC	TC	SB	TB	SA	TA	SHAFT	BORE	WIDTH
470*520*22	380052	112023					470	520	22
480*520*20	380047	113309		111241		191241	480	520	20
480*540*25				110777		190777	480	540	25
490*530*20				114694		194694	490	530	20
500*530*25		115478					500	530	25
500*540*20	111000	115732		116024		196024	500	540	20
500*550*20				113141		193141	500	550	20
500*550*25	380191	112325					500	550	25
510*560*20	380231	115967					510	560	20
520*570*20				114362		194362	520	570	20
520*570*22				113336		193336	520	570	22
530*580*18				182941			530	580	18
530*580*20				112941		192941	530	580	20
530*580*25				115835		195835	530	580	25
533.4*584.2*22.23		113939		113017		193017	533.4	584.2	22.23
540*580*20		115087	116241		196241		540	580	20
540*590*20	380202	113806		111714		191714	540	590	20
546.1*596.9*19.05				114965		194965	546.1	596.9	19.05
550*590*20				116049		196049	550	590	20
550*600*22	380321	116548					550	600	22
558.8*596.9*19.05				111582			558.8	596.9	19.05
560*610*20	380048	112357					560	610	20
570*620*22		114078	116440				570	620	22
600*640*20		113807		112275		192275	600	640	20
600*650*25	380307	116376					600	650	25
600*670*30		112244					600	670	30
630*680*20		115552					630	680	20
640*680*20		115830					640	680	20
660*700*20	111001	115733					660	700	20
670*720*25			380077	111941		191941	670	720	25
710*760*20				115564		195564	710	760	20
710*760*25		116441					710	760	25
800*870*25		116547					800	870	25