

UNITED's New Bucking Bars

FEATURES:

UNITED carefully manufactures Quality First Bucking Bars On Time.

- Maximum strength Bars
- Superior design and wear under the most severe conditions

Cast Bars manufactured to top standards with high grade tool steel, heat treated to RC-38-42

• Bars can be reused repeatedly

Fabricated Custom Bars machined from superior bar stock

- Hardened to develop tough working surfaces
- Highly polished to MRS 32 finish, black oxide finish, identifiable by engraved numbers

Repairable, reusable, mag particles inspected to avoid cracks, fissures and assure long life

APPLICATIONS: For use under severe conditions where solid strength and performance are required.



Bucking Bar Styles and Dimensions



UNITED's TWO Bucking Bar Types:

CAST — Clearly identified bars

- Nonporous
- High grade tool steel
- Heat treated to Rockwell 38-42
- Can be re-worked several times without more heat treating

FABRICATED — Part Numbers engraved, Dated, Black Oxide finish

- · Machined from steel and can be refurbished
- Hardened for strong tough working surface RC-40-44
- Satin-finished working area Mag particle inspected
- Mirror-polished bucking surface on request to MRS 32-64



12200 WOODRUFF AVE. • DOWNEY, CA 90241-5608 • TELEPHONE (562) 803-1521 / (800) 421-3466 IN CA / (800) 486-3466 • FAX (562) 803-6898 / (800) 486-3465 U25 11-8-00 EMAIL united@ucc-udb.com WEBSITE www.ucc-udb.com



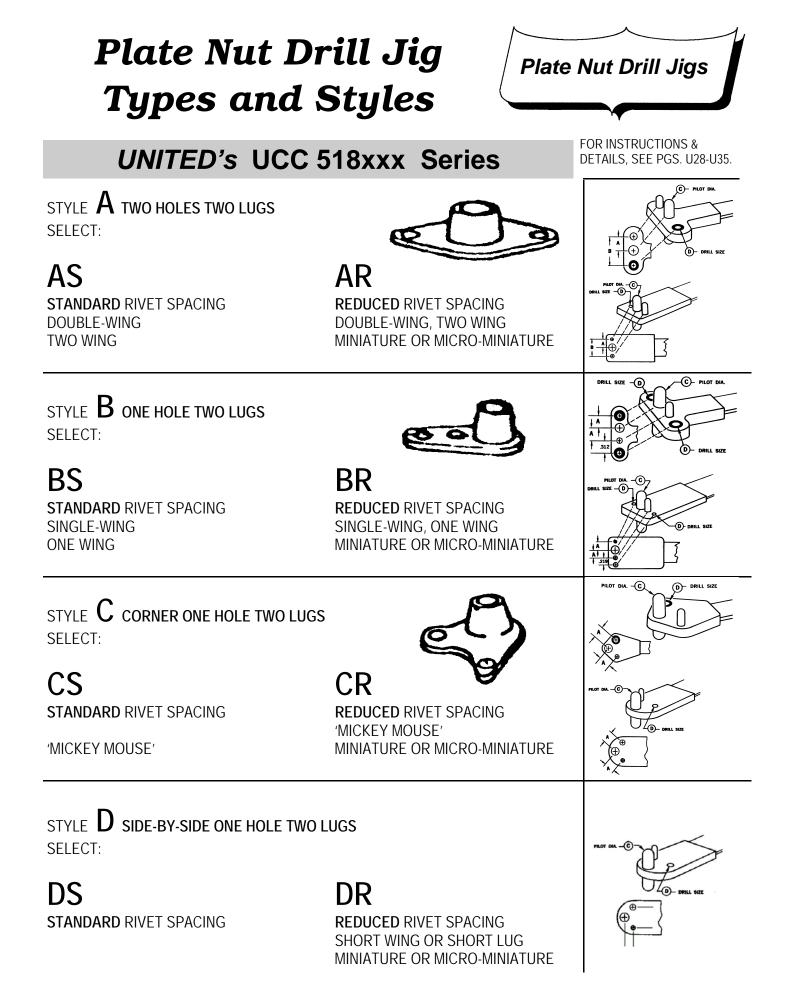
Our Bucking Bars Reduce Shock and Decrease Vibrations!

APPLICATIONS: For use in difficult areas or hard-to-get-to places and under severe conditions where steady strength and sure performance are required.

CAUTION: Eye Protection must be used when working with Bucking Bars.

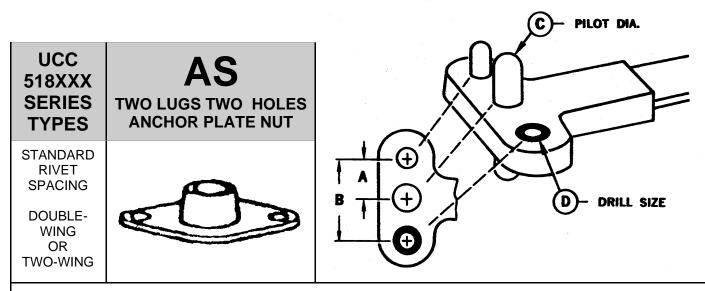
Bucking Bars sold separately or in UNITED Kits - See Attachments below.







Two Lug Plate Nut Drill Jigs



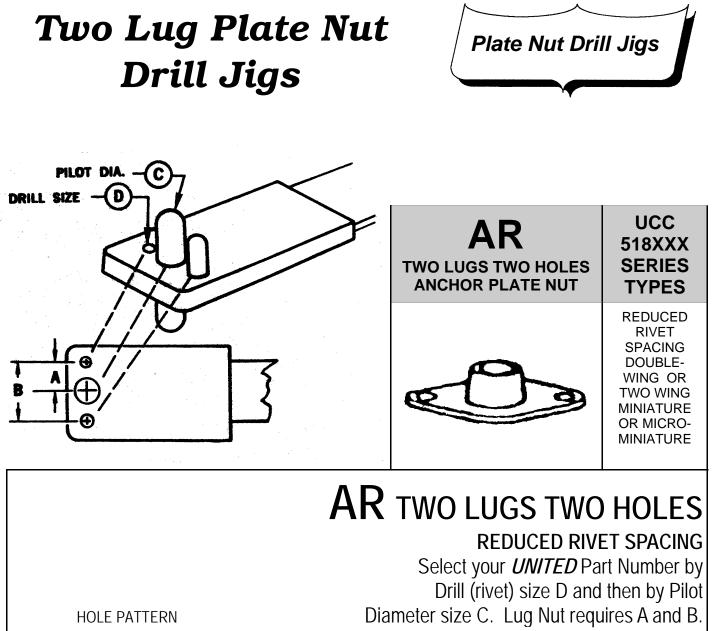
AS TWO LUGS TWO HOLES

STANDARD RIVET SPACING

Select your *UNITED* Part Number by Drill (rivet) size D and then by Pilot Diameter size C. Lug Nut requires A and B.

HOLE PATTERN

UNITED	Space A	Space B	Drill	Jig	PART NO.	А	В	С	D	Part No.	А	В	С	D	Part No.	А	В	С	D
PART NO.			С	D	UCC-518050	.344	.68	.28	.09	UCC-518120	.500	1.00	.271	.098	UCC-518140	.500	1.00	.656	.098
	DIM	DIM			UCC-518055	.344	.68	.29	.09	UCC-518325	.500	1.00	.281	.098	UCC-518225	.500	1.00	.687	.128
UCC-518065	.312	.625	.187	.098	UCC-518060	.344	.688	.312	.098	UCC-518125	.500	1.00	.295	.098	UCC-518230	.500	1.00	.702	.128
UCC-518070	.312	.625	.218	.098	UCC-518335	.359	.718	.312	.128	UCC-518130	.500	1.00	.310	.098	UCC-518330	.562	1.12	.191	.098
UCC-518150	.344	.688	.118	.098	UCC-518075	.375	.750	.248	.098	UCC-518170	.500	1.00	.310	.128	UCC-518235	.562	1.12	.437	.128
UCC-518006	.344	.688	.128	.098	UCC-518080	.375	.750	.281	.098	UCC-518121	.500	1.00	.312	.098	UCC-518106	.562	1.12	.499	.161
UCC-518005	.344	.688	.139	.098	UCC-518085	.375	.750	.372	.098	UCC-518175	.500	1.00	.312	.128	UCC-518240	.592	1.18	.811	.128
UCC-518155	.344	.688	.142	.098	UCC-518320	.375	.750	.397	.098	UCC-518180	.500	1.00	.314	.128	UCC-518245	.595	1.19	.592	.128
UCC-518011	.344	.688	.159	.098	UCC-518315	.375	.750	.437	.098	UCC-518305	.500	1.00	.343	.128	UCC-518250	.625	1.25	.435	.128
UCC-518010	.344	.688	.164	.098	UCC-518090	.375	.750	.437	.098	UCC-518135	.500	1.00	.342	.098	UCC-518021	.625	1.25	.499	.151
UCC-518015	.344	.688	.164	.098	UCC-518095	.375	.750	.467	.098	UCC-518185	.500	1.00	.372	.128	UCC-518255	.687	1.37	.191	.128
UCC-518016	.344	.688	.166	.098	UCC-518340	.414	.828	.372	.128	UCC-518190	.500	1.00	.373	.128	UCC-518260	.687	1.37	.405	.128
UCC-518020	.344	.688	.167	.098	UCC-518004	.437	.875	.311	.098	UCC-518195	.500	1.00	.375	.128	UCC-518265	.687	1.37	.498	.128
UCC-518025	.344	.688	.187	.098	UCC-518100	.437	.875	.372	.098	UCC-518200	.500	1.00	.389	.128	UCC-518270	.687	1.37	.500	.128
UCC-518030	.344	.688	.191	.098	UCC-518105	.450	.900	.372	.098	UCC-518101	.500	1.00	.437	.128	UCC-518275	.687	1.37	.656	.128
UCC-518035	.344	.688	.192	.098	UCC-518160	.500	1.00	.191	.128	UCC-518310	.500	1.00	.467	.128	UCC-518280	.687	1.37	.718	.128
UCC-518501	.344	.688	.218	.098	UCC-518110	.500	1.00	.248	.098	UCC-518205	.500	1.00	.500	.128	UCC-518285	.687	1.37	.749	.128
UCC-518040	.344	.688	.226	.098	UCC-518165	.500	1.00	.248	.128	UCC-518210	.500	1.00	.561	.128	UCC-518290	.687	1.37	.811	.128
UCC-518061	.344	.688	.250	.098	UCC-518115	.500	1.00	.255	.098	UCC-518215	.500	1.00	.593	.128	UCC-518295	.687	1.37	.938	.128
UCC-518045	.344	.688	.255	.098	UCC-518502	.500	1.00	.266	.098	UCC-518220	.500	1.00	.624	.128	UCC-518300	.700	1.40	.850	.128



HOLE	PATT	ERN

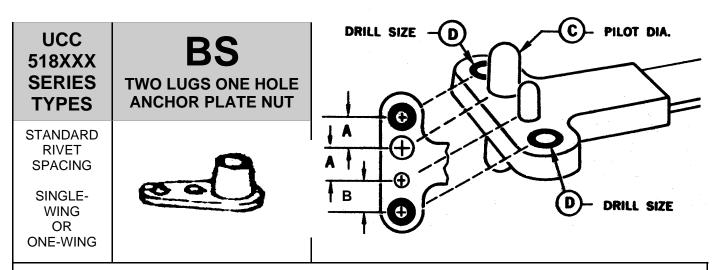
<i>united</i> Part No.	Space A DIM	Space B DIM	Drill C Pilot DIA	Jig D Rivet Hole
UCC-518345	.125	.250	.0860	.067
UCC-518350	.1325	.265	.0990	.067
UCC-518355	.148	.296	.1120	.067
UCC-518360	.1715	.343	.1390	.067
UCC-518365	.203	.406	.1120	.098
UCC-518478	.203	.406	.1140	.098
UCC-518071	.203	.406	.1280	.098
UCC-518370	.203	.406	.1400	.098
UCC-518036	.203	.406	.1660	.098
UCC-518375	.203	.406	.1800	.098
UCC-518380	.2185	.437	.1390	.098
UCC-518479	.2185	.437	.1400	.098
UCC-518076	.2185	.437	.1590	.098

g Rivet	PART NO.	A	В	С	D	PART NO.	А	В	С	D
le	UCC-518385	.2185	.437	.1660	.098	UCC-518430	.250	.500	.2570	.098
	UCC-518041	.2185	.437	.1910	.098	UCC-518460	.2695	.539	.2480	.098
57	UCC-518390	.2185	.437	.2055	.098	UCC-518435	.281	.562	.2480	.098
67	UCC-518481	.234	.468	.1560	.098	UCC-518440	.281	.562	.2810	.098
67	UCC-518395	.234	.468	.1640	.098	UCC-518056	.281	.562	.3120	.098
57	UCC-518400	.234	.468	.1925	.098	UCC-518445	.295	.562	.3230	.098
98	UCC-518405	.234	.468	.1930	.098	UCC-518476	.295	.590	.1760	.098
98	UCC-518046	.234	.468	.2180	.098	UCC-518475	.295	.590	.1910	.098
98	UCC-518410	.234	.468	.2270	.098	UCC-518477	.295	.590	.1940	.098
98	UCC-518415	234	.468	.2340	.098	UCC-518450	.3125	.625	.3120	.1285
98	UCC-518470	.250	.500	.1875	.098	UCC-518455	.3125	.625	.3430	.1285
98	UCC-518420	.250	.500	.1910	.098	UCC-518081	.359	.718	.3120	.1285
98	UCC-518482	.250	.500	.2170	.098	UCC-518465	.359	.718	.3730	.1285
98	UCC-518425	.250	.500	.2180	.098	UCC-518086	.414	.828	.3730	.1285
98	UCC-518051	.250	.500	.2500	.098	UCC-518066	.414	.828	.4360	.1285

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Two Lug Plate Nut Drill Jigs



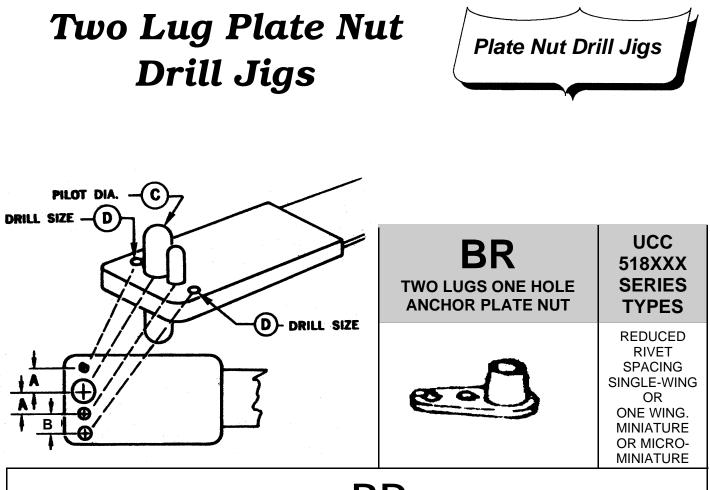
BS TWO LUGS ONE HOLE

STANDARD RIVET SPACING

Select your *UNITED* Part Number by Drill (rivet) size D and then by Pilot Diameter size C. Lug Nut requires A and B.

HOLE PATTERN

<i>united</i> Part No.	Space A	Space B	Drill C Pilot	Jig D Rivet	PART NO.	A	В	С	D	PART NO.	A	В	С	D
	DIM	DIM	DIA	Hole	UCC-518505	.344	.312	.1910	.1285	UCC-518545	.500	.312	.2480	.098
					UCC-518510	.344	.312	.1920	.098	UCC-518550	.500	.312	.2555	.098
UCC-518141	.344	.312	.1280	.098	UCC-518515	.344	.312	.2130	.098	UCC-518503	.500	.312	.2660	.098
UCC-518480	.344	.312	.1390	.098	UCC-518126	.344	.312	.2180	.098	UCC-518555	.500	.312	.3105	.098
UCC-518590	.344	.312	.1425	.098	UCC-518520	.344	.312	.2265	.098	UCC-518565	.500	.312	.3105	.1285
UCC-518091	.344	.312	.1590	.098	UCC-518525	.344	.312	.2480	.098	UCC-518570	.500	.312	.3145	.1285
UCC-518485	.344	.312	.1640	.098	UCC-518530	.344	.312	.2555	.098	UCC-518560	.500	.312	.3430	.098
UCC-518490	.344	.312	.1645	.098	UCC-518535	.344	.312	.2810	.098	UCC-518575	.500	.312	.3720	.1285
UCC-518495	.344	.312	.1675	.098	UCC-518540	.344	.312	.3105	.1285	UCC-518580	.500	.312	.3730	.1285
UCC-518500	.344	.312	.1875	.098	UCC-518545	.500	.312	.2480	.098	UCC-518585	.562	.344	.4350	.1285



BR TWO LUGS ONE HOLE REDUCED RIVET SPACING

Select your *UNITED* Part Number by Drill (rivet) size D and then by Pilot Diameter size C. Lug Nut requires A and B.

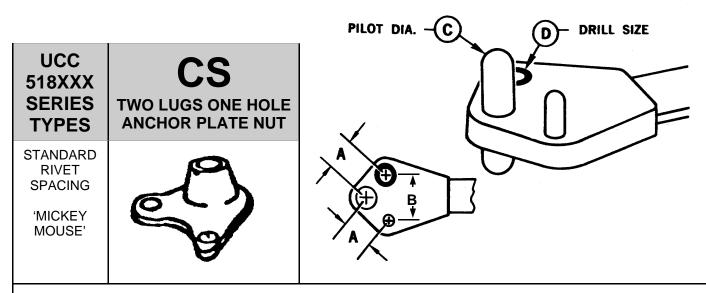
HOLE PATTERN

UNITED PART NO.	Space A DIM	Space B DIM	Drill C Pilot DIA	Jig D Rivet Hole	PART NO.	A	В	С	D	PART NO.	A	В	С	D
			5		UCC-518181	.203	.219	.1280	.098	UCC-518675	.250	.219	.1875	.098
					UCC-518630	.203	.219	.1400	.098	UCC-518655	.250	.219	.1910	.098
UCC-518605	.125	.219	.0860	.067	UCC-518635	.218	.219	.1390	.098	UCC-518660	.250	.219	.2180	.1285
UCC-518610	.133	.219	.0990	.067	UCC-518186	.218	.219	.1640	.098	UCC-518665	.281	.219	.2480	.1285
UCC-518615	.148	.219	.1120	.067	UCC-518640	.218	.219	.1660	.1285	UCC-518670	.281	.219	.2810	.098
UCC-518620	.171	.219	.1390	.067	UCC-518645	.234	.219	.1640	.098	UCC-518191	.359	.269	.3120	.1285
UCC-518625	.203	.219	.1120	.067	UCC-518650	.234	.219	.1930	.098	UCC-518196	.414	.269	.3730	.1285

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Corner 2-Lug Plate Nut Drill Jigs



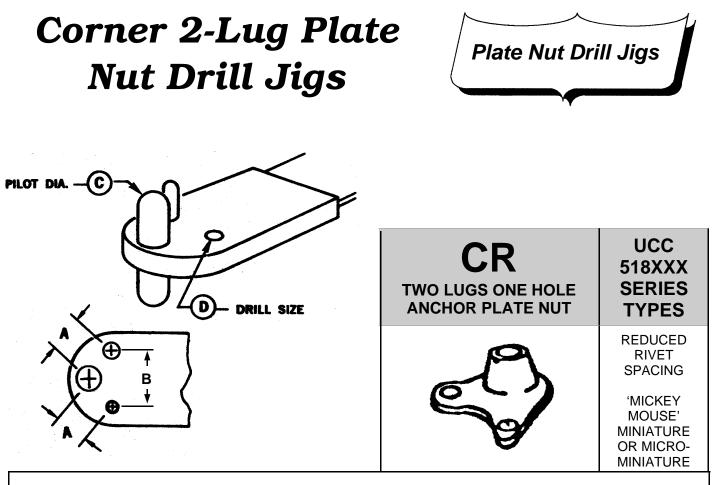
CS TWO LUGS ONE HOLE

STANDARD RIVET SPACING

Select your *UNITED* Part Number by Drill (rivet) size D and then by Pilot Diameter size C. Lug Nut requires A and B.

HOLE PATTERN

UNITED	Space A	Space B	Drill	Jig	PART NO.	A	В	С	D	PART NO.	A	В	С	D
PART NO.	DIM	DIM	C Pilot DIA	D Rivet Hole	UCC-518700	.344	.486	.1875	.098	UCC-518740	.500	.707	.3110	.1285
					UCC-518705	.344	.486	.1910	.098	UCC-518745	.500	.707	.3120	.1285
					UCC-518710	.344	.486	.1980	.098	UCC-518750	.500	.707	.3145	.1285
UCC-518680	.344	.486	.1390	.098	UCC-518201	.344	.486	.2180	.098	UCC-518755	.500	.707	.3720	.1285
UCC-518775	.344	.486	.1425	.098	UCC-518715	.344	.486	.2865	.098	UCC-518760	.500	.707	.3730	.1285
UCC-518241	.344	.486	.1590	.098	UCC-518780	.358	.506	.2120	.1285	UCC-518216	.500	.707	.4360	.1285
UCC-518685	.344	.486	.1640	.098	UCC-518786	.414	.585	.3780	.1285	UCC-518765	.562	.795	.4350	.1285
					UCC-518725	.500	.707	.2480	.098	UCC-518251	.562	.795	.4360	.1610
UCC-518690	.344	.486	.1645	.098	UCC-518720	.500	.707	.2555	.098	UCC-518770	.562	.795	.4375	.1285
UCC-518695	.344	.486	.1675	.098	UCC-518735	.500	.707	.3105	.098	UCC-518221	.562	.795	.4990	.1610



CR TWO LUGS ONE HOLE

REDUCED RIVET SPACING

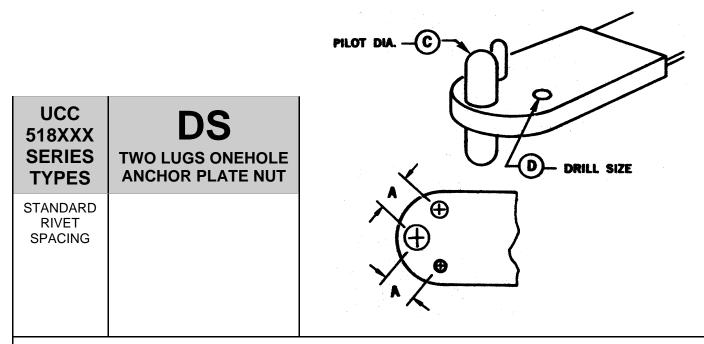
Select your *UNITED* Part Number by Drill (rivet) size D and then by Pilot Diameter size C. Lug Nut requires A and B.

HOLE PATTERN

<i>united</i> Part no.	Space A	Space B	Drill C Pilot	Jig D	PART NO.	А	В	С	D	PART NO.	A	В	С	D
	DIM	DIM	DIA	Rivet Hole	UCC-518815	.218	.308	.1390	.098	UCC-518281	.250	.354	.2480	.098
					UCC-518306	.218	.308	.1560	.098	UCC-518845	.281	.398	.2480	.098
UCC-518785	.125	.177	.0860	.067	UCC-518820	.218	.308	.1660	.098	UCC-518850	.281	.398	.2180	.098
UCC-518790	.138	.196	.0990	.067	UCC-518271	.218	.308	.1910	.098	UCC-518286	.281	.398	.3120	.098
UCC-518795	.148	.210	.1120	.067	UCC-518825	.234	.331	.1640	.098	UCC-518855	.312	441	.3120	.1285
UCC-518800	.178	.243	.1390	.067	UCC-518830	.234	.331	.1930	.098	UCC-518860	.312	.441	.3430	.1285
UCC-518805	.203	.287	.1120	.098	UCC-518276	.234	.331	.2150	.098	UCC-518311	.359	.508	.3120	.1285
UCC-518301	.203	.287	.1275	.098	UCC-518865	.250	.354	.1875	.098	UCC-518291	.359	.508	.3730	.1285
UCC-518810	.203	.287	.1400	.098	UCC-518835	.250	.354	.1910	.098	UCC-518316	.414	.585	.3730	.1285
UCC-518266	.203	.287	.1660	.098	UCC-518840	.250	.354	.2180	.098	UCC-518296	.414	.585	.4360	.1285



Side-By-Side Plate Nut Drill Jigs

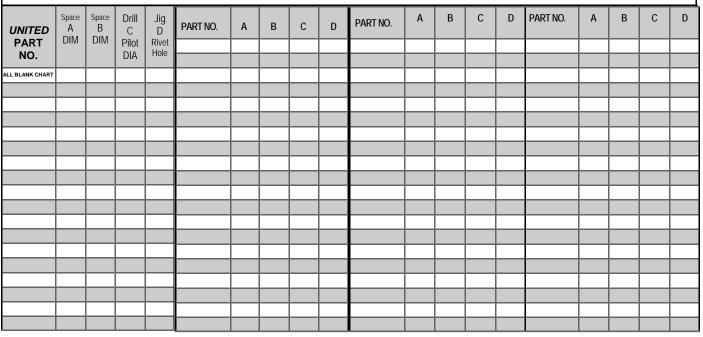


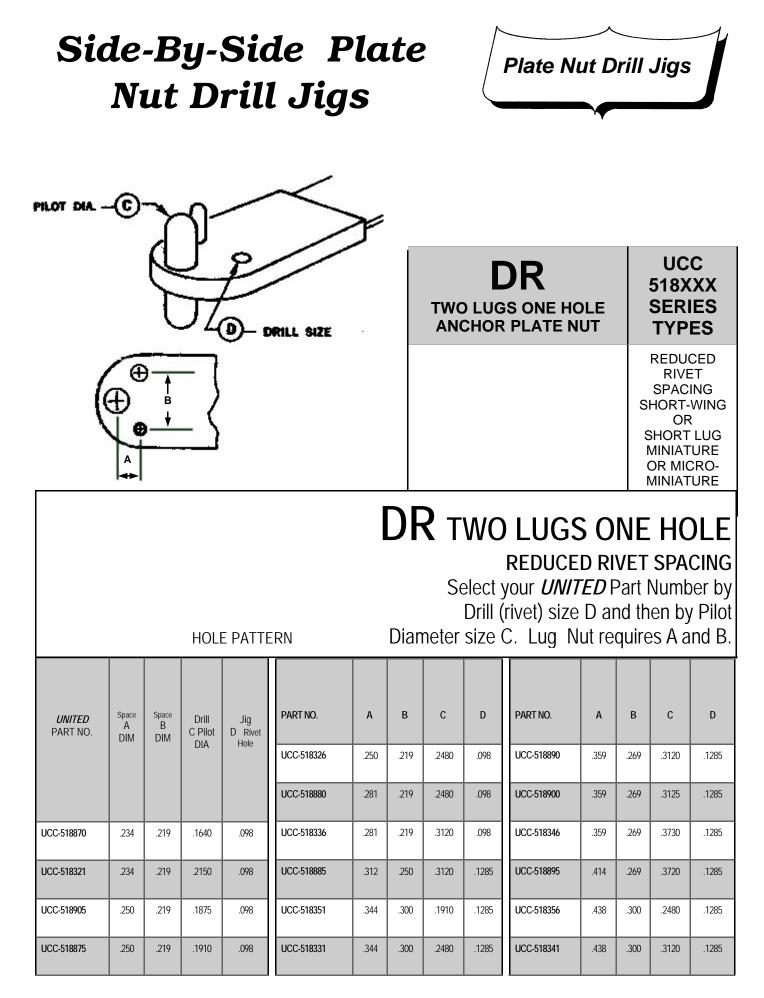
DS TWO LUGS ONE HOLE

STANDARD RIVET SPACING

Select your *UNITED* Part Number by Drill (rivet) size D and then by Pilot Diameter size C. Lug Nut requires A and B.

HOLE PATTERN





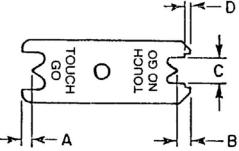
UDB-34D Pin Position Gauge

Locking Pin And Swage

ENLARGED VIEW OF POINTS

Pin Position Gauge





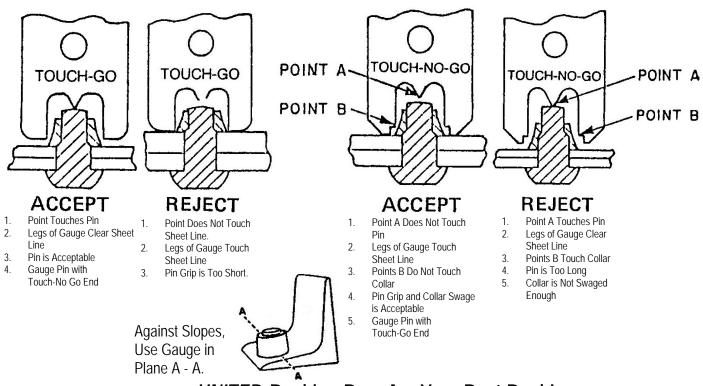
	002. 200.					
UDB Part no.	N.A.S. Gauge no.	Nominal Size	A +.001 000	B +.000 001	C ±.001	D ±.001
UDB-34D-9A	34D-9A		.168	.260	.2530	.0875
UDB-34D-10A	34D-10A	.164	.168	.254	.2400	.0795
UDB-34D-11	34D-11		.168	.254	.2530	.0605
UDB-34D-1	34D-1	.190	.238	.322	.2972	.0665
UDB-34D-2	34D-2	.203	.218	.288	.2972	.0725
UDB-34D-3	34D-3	.250 &	.307	.399	.3942	.0725
UDB-34D-4	34D-4	.266	.301	.379	.3942	.0995
UDB-34D-5	34D-5	.312	.399	.479	.4992	.0635
UDB-34D-6	34D-6	.328	.384	.449	.4862	.1055
UDB-34D-7	34D-7	.375	.496	.582	.5892	.1185
UDB-34D-8	34D-8	.391	.480	.545	.5892	.1555

 PIN POSITION GAUGE
 These gauges are designed to inspect the position of the installed swage locking pins in relation to the sheet line or work surface, verifying that the correct length of fastener was installed.

 PIN POSITION and SWAGE GAUGE
 These gauges, in addition to inspection of proper grip length, are also designed to inspect the swaged collar in relation to the sheet line or work surface to determine that the installed collar is completely and sufficiently swaged.

ATD=

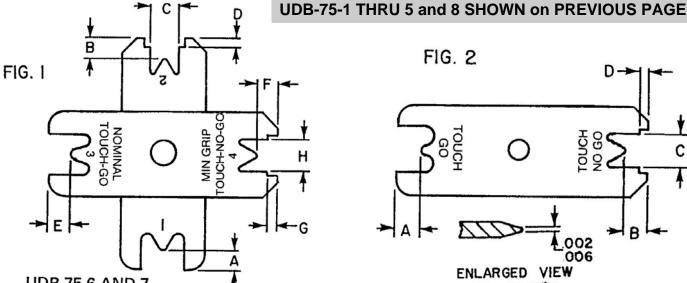
USAGE INSTRUCTIONS FOR UDB-34D and 75, EXCEPT 75-6 and 75-7 See next page.

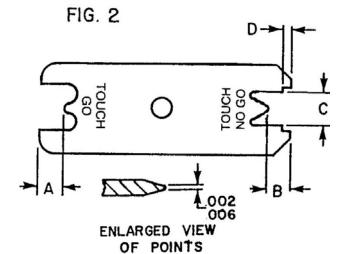


U36

Inspection Gauges

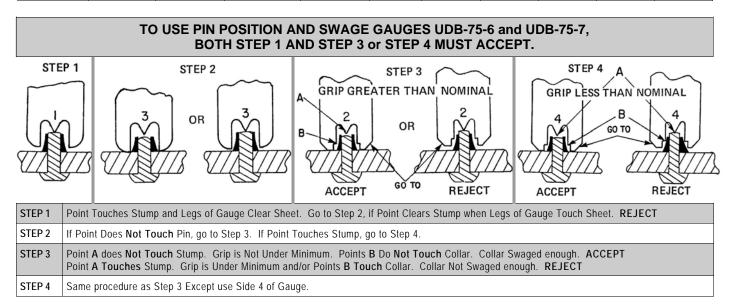
UDB-75





UDB-75-6 AND 7

UDB PART NO.	N.A.S. Gauge no.	Nominal Size	A +.001 000	B +.000 001	С	D	E	F	G	Н		
UDB-75-5	75-5	.156	.169	.241	.2405	.081 .080						
UDB-75-8	75-11	& .164			.2400	.098 .097						
UDB-75-1	75-1	.190	.194	.266	.2795 .2775	.115 .113						
UDB-75-2	75-2	.250	.246	.318	.3704 .3684	.140 .138						
UDB-75-3	75-3	.312	.265	.337	.4720 .4700	.130 .128						
UDB-75-4	75-4	.375	.308	.380	.5657 .5637	.160 .158						
UDB-75-6	75-6			.1660	.1905	.072 .071	.1655	.209	.092	.1905		
UDB-75-7	75-7	.125	.136	.1655	.1900	.062 .061	.1650	.208	.091	.1900		

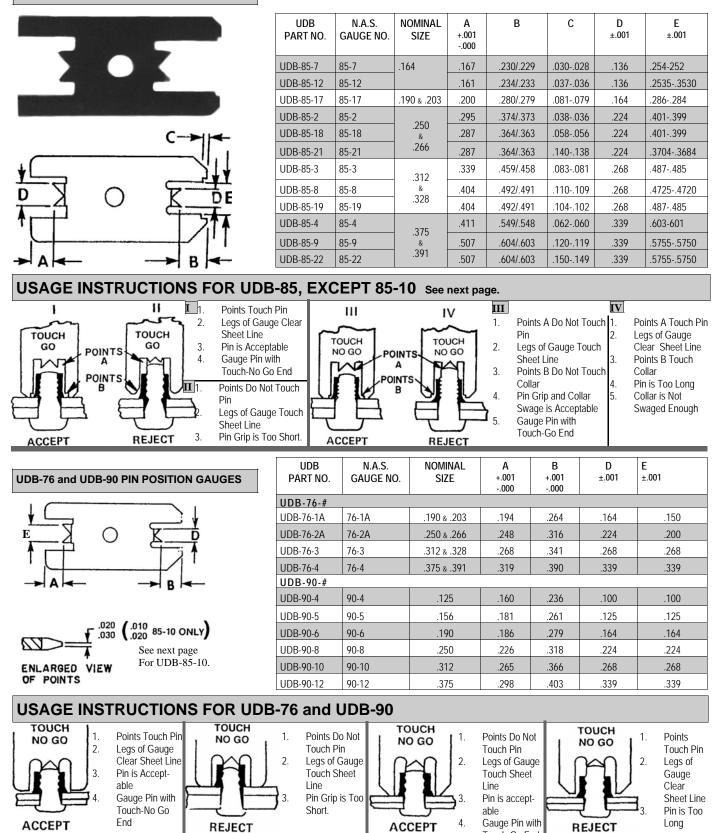


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UDB-85 Pin Position Gauge

Pin Position And Swage

UDB-85 PIN POSITION and SWAGE GAUGES



UNITED Bucking Bars Are Your Best Buck!

Touch-Go End

Pin Position And Swage

USE

61

COPPER PLATE Β.

PIN POS

ACCEPT

SWAGE

ACCEPT

Check Swage: Legs Must Touch the Sheet.

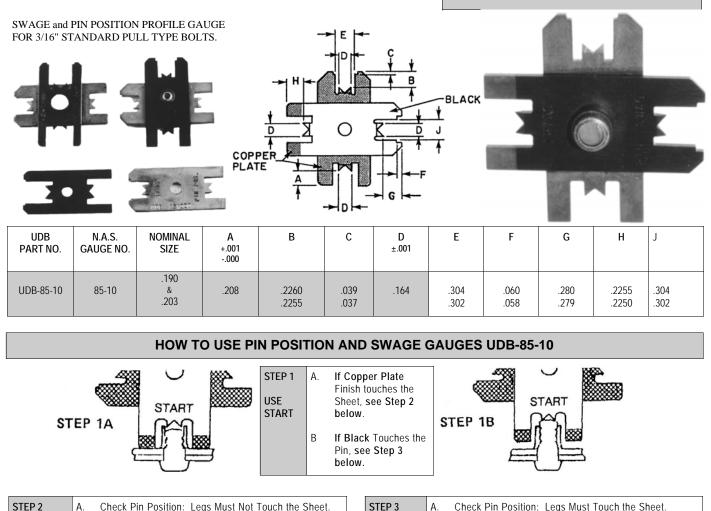
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STEP 2A

STEP 2B



UDB-85-10 PIN POSITION and SWAGE GAUGES



USE BLACK

Β.

PIN

& SWAGE

n

ACCEPT

Check Swage: Legs Must Touch the Sheet.

STEP 3A & B

PIN

& SWAGE

REJECT

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PIN POS

REJECT

REJECT