

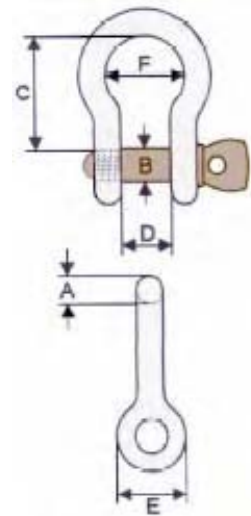


"Golden Pin" Anchor Shackles

Meeting the performance requirements of:
U.S. Fed. Specs RR-C-271D, Type IV A, grade A, Class 2.



Size	Pin Diameter	Dimension Inches				WLL (Tons)	Weight (lbs)	Product Code
		C	D	E	F			
A	B							
3/16"	1/4"	0.93	0.39	0.59	0.64	1/3	0.06	29020012
1/4"	5/16"	1.14	0.49	0.70	0.75	1/2	0.12	29020016
5/16"	3/8"	1.23	0.53	0.83	0.80	3/4	0.18	29020020
3/8"	7/16"	1.41	0.69	0.98	1.01	1	0.32	29020024
7/16"	1/2"	1.70	0.72	1.06	1.13	1-1/2	0.45	29020028
1/2"	5/8"	1.83	0.83	1.18	1.25	2	0.68	29020032
5/8"	3/4"	2.36	1.06	1.55	1.67	3-1/4	1.36	29020040
3/4"	7/8"	2.76	1.24	1.78	1.98	4-3/4	2.24	29020048
7/8"	1"	3.29	1.42	2.09	2.25	6-1/2	3.50	29020056
1"	1-1/8"	3.69	1.75	2.35	2.66	8-1/2	5.00	29020100
1-1/8"	1-1/4"	4.23	1.80	2.71	2.79	9-1/2	7.65	29020108
1-1/4"	1-3/8"	4.63	2.12	3.01	3.15	12	10.40	29020116
1-3/8"	1-1/2"	5.17	2.30	3.32	3.60	13-1/2	13.80	29020124
1-1/2"	1-5/8"	5.67	2.39	3.63	3.85	17	17.90	29020132
1-3/4"	2"	7.06	2.96	4.23	4.99	25	27.90	29020148
2"	2-1/4"	7.75	3.31	5.11	5.59	35	42.70	29020200
2-1/2"	2-3/4"	10.25	4.00	5.75	7.00	55	85.00	29020232



Safety Factor: 6

WARNING: If the pin, after a 1/4 turn, remains hard to remove, there is a good chance that the shackle has been overloaded beyond the designed working load limit (WLL) and it, therefore, must be discarded.

VANGUARD STEEL LTD.

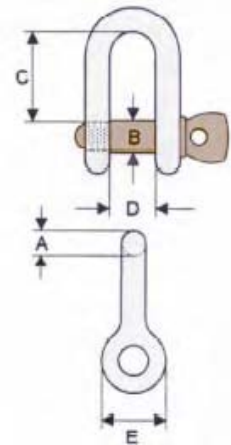


"Golden Pin" Chain Shackles

Meeting the performance requirements of:
 U.S. Fed. Specs RR-C-271D, Type IV A, grade A, Class 2.



Size	Pin Diameter	Dimension Inches			WLL (Tons)	Weight (lbs)	Product Code
		C	D	E			
1/4"	5/16"	0.83	0.47	0.71	1/2	0.11	39120016
5/16"	3/8"	0.98	0.47	0.75	3/4	0.17	39120020
3/8"	7/16"	1.22	0.63	0.96	1	0.24	39120024
7/16"	1/2"	1.50	0.75	1.06	1-1/2	0.40	39120028
1/2"	5/8"	1.61	0.83	1.22	2	0.59	39130032
5/8"	3/4"	2.01	1.10	1.57	3-1/4	1.20	39120040
3/4"	7/8"	2.41	1.25	1.81	4-3/4	2.20	39120048
7/8"	1"	2.80	1.42	2.13	6-1/2	3.20	39120056
1"	1-1/8"	3.15	1.77	2.36	8-1/2	4.80	39120100
1-1/8"	1-1/4"	3.50	1.85	2.69	9-1/2	6.80	39120108
1-1/4"	1-3/8"	3.97	2.05	3.00	12	9.00	39120116
1-3/8"	1-1/2"	4.43	2.25	3.31	13-1/2	13.00	39120124
1-1/2"	1-5/8"	4.80	2.39	3.68	17	16.00	39120132
1-3/4"	2"	5.78	2.88	4.19	25	29.00	39120148
2"	2-1/4"	6.75	3.25	5.00	35	43.00	39120200



Safety Factor: 6

WARNING: If the pin, after a 1/4 turn, remains hard to remove, there is a good chance that the shackle has been overloaded beyond the designed working load limit (WLL) and it, therefore, must be discarded.

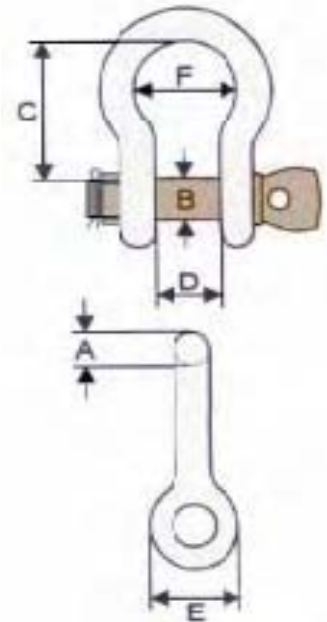


"Golden Pin" Bolt Type Anchor Shackles

Meeting the performance requirements of:
 U.S. Fed. Specs RR-C-271D, Type IV A, grade A, Class 3.



Size	Pin Diameter	Dimension Inches				WLL (Tons)	Weight (lbs)	Product Code
		C	D	E	F			
A	B							
1/4"	5/16"	1.14	0.49	0.70	0.75	1/2	0.12	29140016
5/16"	3/8"	1.23	0.53	0.83	0.80	3/4	0.18	29140020
3/8"	7/16"	1.41	0.69	0.98	1.01	1	0.32	29140024
7/16"	1/2"	1.70	0.72	1.06	1.13	1-1/2	0.45	29140028
1/2"	5/8"	1.83	0.83	1.18	1.25	2	0.68	29140032
5/8"	3/4"	2.36	1.06	1.55	1.67	3-1/4	1.36	29140040
3/4"	7/8"	2.76	1.24	1.78	1.98	4-3/4	2.24	29140048
7/8"	1"	3.29	1.42	2.09	2.25	6-1/2	3.50	29140056
1"	1-1/8"	3.69	1.75	2.35	2.66	8-1/2	5.00	29140100
1-1/8"	1-1/4"	4.23	1.80	2.71	2.79	9-1/2	7.65	29140108
1-1/4"	1-3/8"	4.63	2.12	3.01	3.15	12	10.40	29140116
1-3/8"	1-1/2"	5.17	2.30	3.32	3.60	13-1/2	13.80	29140124
1-1/2"	1-5/8"	5.67	2.39	3.63	3.85	17	17.90	29140132
1-3/4"	2"	7.06	2.96	4.23	4.99	25	27.90	29140148
2"	2-1/4"	7.75	3.31	5.11	5.59	35	42.70	29140200
2-1/2"	2-3/4"	10.25	4.00	5.75	7.00	55	85.00	29140232
3"	3-1/4"	13.00	5.00	6.50	7.88	85	125.00	29140300



Safety Factor: 6

NOTE: Bolt-type shackles are recommended for long-term service installations as well as for applications where there is a possibility that the pin could rotate under load.

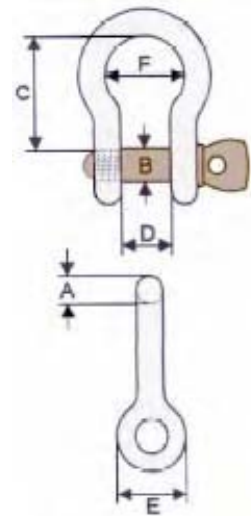


" Econo" Load Rated Anchor Shackles

Meeting the performance requirements of:
 U.S. Fed. Specs RR-C-271D, Type IV A, grade A, Class 2.



Size	Pin Diameter	Dimension Inches				WLL (Tons)	Weight (lbs)	Product Code
		C	D	E	F			
A	B							
3/16"	1/4"	0.93	0.39	0.59	0.64	1/3	0.06	29025012
1/4"	5/16"	1.14	0.49	0.70	0.75	1/2	0.12	29025016
5/16"	3/8"	1.23	0.53	0.83	0.80	3/4	0.18	29025020
3/8"	7/16"	1.41	0.69	0.98	1.01	1	0.32	29025024
7/16"	1/2"	1.70	0.72	1.06	1.13	1-1/2	0.45	29025028
1/2"	5/8"	1.83	0.83	1.18	1.25	2	0.68	29025032
5/8"	3/4"	2.36	1.06	1.55	1.67	3-1/4	1.36	29025040
3/4"	7/8"	2.76	1.24	1.78	1.98	4-3/4	2.24	29025048
7/8"	1"	3.29	1.42	2.09	2.25	6-1/2	3.50	29025056
1"	1-1/8"	3.69	1.75	2.35	2.66	8-1/2	5.00	29025100
1-1/8"	1-1/4"	4.23	1.80	2.71	2.79	9-1/2	7.65	29025108
1-1/4"	1-3/8"	4.63	2.12	3.01	3.15	12	10.40	29025116
1-3/8"	1-1/2"	5.17	2.30	3.32	3.60	13-1/2	13.80	29025124
1-1/2"	1-5/8"	5.67	2.39	3.63	3.85	17	17.90	29025132
1-3/4"	2"	7.06	2.96	4.23	4.99	25	27.90	29025148
2"	2-1/4"	7.75	3.31	5.11	5.59	35	42.70	29025200
2-1/2"	2-3/4"	10.25	4.00	5.75	7.00	55	85.00	29025232



Safety Factor: 5

WARNING: If the pin, after a 1/4 turn, remains hard to remove, there is a good chance that the shackle has been overloaded beyond the designed working load limit (WLL) and it, therefore, must be discarded.

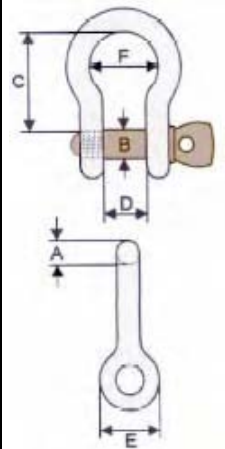


Stainless Steel Anchor Shackles

Made from AISI 316 stainless rod.
Bright polished



Size	Dimension Inches							WLL (Tons)	Weight (lbs)	Proof Load (lbs)	Product Code
	A	B	C	D	E	F	G				
3/16"	0.19	0.25	0.88	0.38	0.56	0.60	1.47	1/4	0.06	1,103	39130012
1/4"	0.25	0.31	1.13	0.47	0.61	0.78	1.84	1/4	0.12	1,103	39130016
5/16"	0.31	0.38	1.22	0.53	0.75	0.84	2.09	1/3	0.18	1,470	39130020
3/8"	0.38	0.44	1.44	0.66	0.91	1.03	2.49	1/2	0.32	2,205	39130024
7/16"	0.44	0.50	1.69	0.75	1.06	1.16	2.91	2/3	0.45	2,940	39130028
1/2"	0.50	0.63	1.88	0.81	1.19	1.31	3.28	1.00	0.68	4,410	39130032
5/8"	0.63	0.75	2.38	1.06	1.50	1.69	4.19	1-1/2	1.36	6,615	39130040
3/4"	0.75	0.88	2.81	1.25	1.81	2.00	4.97	2-1/4	2.24	11,025	39130048
7/8"	0.88	1.00	3.31	1.44	2.09	2.28	5.83	3.00	3.50	13,230	39130056
1"	1.00	1.13	3.75	1.69	2.38	2.69	6.56	4.00	5.00	17,640	39130100



WARNING: Never Exceed Working Load Limits



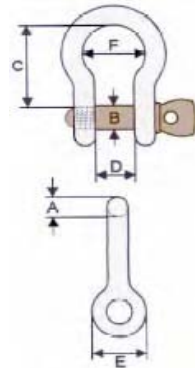
Non-Rated Anchor Shackles

An economical alternative for a wide range of uses

No WLL indicated, must never be used for lifting applications.



Size	Pin Diameter	Dimension Inches				Weight (lbs)	Product Code
A	B	C	D	E	F		
3/16"	1/4"	0.93	0.39	0.59	0.64	0.06	29465012
1/4"	5/16"	1.14	0.49	0.70	0.75	0.12	29465016
5/16"	3/8"	1.23	0.53	0.83	0.80	0.18	29465020
3/8"	7/16"	1.41	0.69	0.98	1.01	0.32	29465024
7/16"	1/2"	1.70	0.72	1.06	1.13	0.45	29465028
1/2"	5/8"	1.83	0.83	1.18	1.25	0.68	29465032
5/8"	3/4"	2.36	1.06	1.55	1.67	1.36	29465040
3/4"	7/8"	2.76	1.24	1.78	1.98	2.24	29465048
7/8"	1"	3.29	1.42	2.09	2.25	3.50	29465048
1"	1-1/8"	3.69	1.75	2.35	2.66	5.00	29465100



WARNING: Made entirely from C-1010 Carbon Steel, These shackles are NOT intended for use critical application and are not guaranteed in terms of any load bearing capacity.