

Shear Pin Size and Application Chart (Based on Olson Info)

Dia	Length	Olson #	Cosom & Brinktun	Baracuda	Olson Application to Approx 1968
7/64	13/16	0	1	1	Johnson 1 1/2 - 2 1/2 HP 1933 thru 1951
1/8	11/16	1			All Gale 1 1/2 HP 1948-49
9/64	15/16	2		3	Johnson 2 HP 1934 thru 37, 5hp 1941 thru 49
9/64	15/16	3*			Old Olson #3 now # 2
5/32	1-3/16	3		20	Elgin 3 1/2 HP to 1965, West Bend 3 1/2-6-9 HP 1965, Wizard 3.5 HP 1966-67, 9 HP 1966-67, Chrysler 3.5 to 9.2 HP 1966-67
5/32	21/32	4			Evinrude 1 HP 1930 thru 1947, Hiawatha 7 1/2 HP 1956-61, McCulloch 7 1/2 1966-67
5/32	7/8	5		16	Champion all singles and twins prior to 1942, Corsair 3.6-4.5 HP, Elgin 1 1/2 - 2 1/2 HP to 1965 6-7 1/2-9-14-28 1966-67, Firestone 3 1/2-4-5 HP 1945-60, Hiawatha 3.6 HP 1956-61, 5 HP 1956-58, 10 HP 1958-59, McCulloch 3 1/2-4 HP 1963-67, Scott-Atwater 3.3 HP 1950-61, West Bend 1 1/2-2 1/2 HP to 1965 Wizard 3.6 HP 1960-65
5/32	1	6			Clinton 5 HP 1962-68, Eska 4 HP 1961-67, Firestone 2-7 1/2 HP 1961-62, Neptune all models, Muncie 1.7 HP 1962-67, Mono 4-6 HP 1962-67 (Martin?)
3/16	15/16	7	6	25	Gale 5 HP 1948-58, Bundy 300M 1963, Champion all singles and twins 1946-55, Evinrude 2 HP 1939-47, Lauson all models, Majestic all models, McCulloch 7 1/2-14 HP 1963-65, 14 HP 1966-67, Commanco 4 HP 1965-67
3/16	1-1/8	8			Evinrude 9.9 HP 1939-49
3/16	1-5/16	9	10		West Bend 20 HP 1965, Wizard 20 HP 1966-67, Chrysler 20 HP 1966-67
9/64	1-5/16	10*			Old Olson #10 now # 15
1/4	1-3/16	10			West Bend 35-45-50 HP 1965, Chrysler 35-45-50 HP 1966-67
3/16	1-1/2	11			Johnson 8-9-9.8 HP 1927-48
7/32	1-1/2	12			Johnson P30-35-40-45, S45-65-70, SE50
5/16	1-11/16	13			Johnson 22 HP 1928-50
9/64	1	14			Johnson 2.8 HP 1933
9/64	1-5/16	15			Johnson 2 HP 1922 thru 1933, 5 HP 1936-40 Same as Old # Olson 10
3/16	1-1/16	16			Champion Hydrodrive 1950-55, gera shift "GS" models 1954-56, Johnson 7 1/2 HP 1930-35, West Bend 12-16 HP to 1965
7/32	1-7/8	17			Johnson 16 HP 1940-50
3/16	27/32	18*			Old Olson #18 now # 28
5/16	1-1/2	18			West Bend 80 HP 1965, Chrysler 75-105 HP 1966-67
1/4	1-1/2	19		10?	Evinrude Big 4 1946-50, Speedifour 1943-50, Speeditwin 6039 and up

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1/4	1-1/8	20	11	31	Gale 22-25 HP 1955-56, Elgin 40 HP thru 1965, Evinrude 16-17 HP 1934-42, 21-22-25 HP 1934-55, 30 HP 1956, Firestone 30-33-35 1945-60, Johnson 25-30 HP 1951-56, Perkins 30-40 HP, Scott Atwater 40-47.3 1957-1961, West Bend 40-45-50 HP to 1956, Wizard 25-40 HP 1960-65
1/4	1-7/16	20L	12		Gale 25-30-40 HP 1957-63, Elgin 60-75 HP, Evinrude 28-33-35-40 HP 1957-67, Johnson 28-33-35-40 HP 1957-67
1/8	1 1/4	21			Evinrude 5 HP 1965, Johnson 5 HP 1965
1/4	1-1/16	22			Elgin 25 to 1965, Hiawatha 30-35-38 HP 1956-58, 40 HP 1959-61, McCulloch 45 HP 1963-65, Scott Atwater 33 HP 1956, West Bend 25-30-35 HP to 1965
1/8	7/8	23			Gale 1 1/2 HP 1949-61, Evinrude 3 HP 1952-67, Johnson 3 HP 1952-67, Commanco 4-4 1/2 1962-64
13/64	1-3/16	24		45	Gale 12 HP 1948-53, Perkins 5 1/2-6 1/2-18 all
3/16	15/16	25*			Old Olson #25 now #7
5/32	3/4	25			Wizard all models prior to 1960
3/16	1-3/8	26		60	Evinrude 9 1/2 HP 1964-67, 10 HP 1956-63, 15 HP 1953-56, 18 HP 1957-67, Johnson 9 1/2 HP 1964-67, 10 HP 1949-63, 15 HP 1956, 18 HP 1957-67, 20 HP 1966-67
3/16	7/8	27			Gale 5 HP 1958-61, Evinrude 5 1/2 HP 1956-61, 6 HP 1965-67, Johnson 5-5 1/2-6 HP 1950-67, Wizard 7 1/2 HP 1960-65, 12 HP 1960-61
3/16	27/32	28		32	Evinrude 2 HP 1948-50, 3.3 HP 1941-51, 7 1/2 HP 1950-58, Johnson 7 1/2 HP 1956-58
3/16	1-3/16	29			Gale 12 HP 1954-59, 15 HP 1960-63, Evinrude 14 HP 1952, Firestone 12 HP 1961-2, West Bend 18 HP 1960-65
5/32	27/32	30		64	Scott Atwater & Scott private brands 5-6-7 1/2-10 HP 1945-61, West Bend 5-7 1/2-8 HP to 1965
7/32	29/32	31	9	33&55?	Bundy 500, E&M 1962-63, Elgin 12-16 HP to 1965, 45 HP 1966-67, Firestone 16 HP 1945-60, Hiawatha 25 HP 1959-61, McCulloch 28 1963-67, Scott Atwater 16 HP 1952-58, 22 HP 1958, 27 HP 1959-61
5/16	1-7/8	32	3		Eaton Volvo Outdrive 1963-67, Evinrude 50 HP 1958-59, 60 HP 1966-67, Johnson 50 HP 1958-59, 60 HP 1966-67
1/4	1-17/64	33	20	63&68?	Elgin 30-35 HP to 1965, Scott/McCulloch & private brands 60-75 HP 1958-62, Homelite 55 HP 1962-67
9/32	2-1/8	34	13		Gale 60 HP 1960-63, Evinrude 60-75-80 HP 1960-65, Johnson 60-75-80 HP 1960-65, OMC outdrive 1963-67
9/32	1-7/16	345			Michigan's small hub prop for OMC motors 60-75-90 HP
3/16	1-19/64	35			Evinrude 18 HP 1961-65, Johnson 18 HP 1961-65
.367	2-5/8	36			Evinrude 100 HP 1966-67, Johnson 100 HP 1966-67, OMC outdrive 150 HP 1964-67
3/16	13/16	NA		44	Johnson QD-16

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