

CONE INTERNAL

ORDER#	Machine Types	Broach Shank Dia.
BRA-31016	TV 1", A6 1", 1-1/4, 6 Spindle Flat Base	.500
BRA-31018	C8 2-1/4, C8 2-5/8, 8 Spindle Flat Base	.500
BRA-31036	A6, TA 1-5/8 6 Spindle Flat Base	.500
BRA-31046	C6 2-1/4, C6 2-5/8, 6 Spindle Flat Base	.500
BRA-37006	B, QE, QF, 9/16, 6 Spindle Radius Base	.500
BRA-37016	TS, TC, TB, 1", 6 Spindle Radius Base	.500
BRA-37018	A8, VK, 1", 8 Spindle Radius Base	.500
BRA-37026	SW, SX, TG, SY 1" 6 Spindle Radius Base	.500
BRA-37028	VL, VV, 1-1/4, VM, WW, 1-1/2, VB, A8, VN, VF, 1-5/8, XX 1-7/8, 8 Spindle Radius Base	.500
BRA-37036	TF 1-5/8 6 Spindle Radius Base	.500
BRA-37038	GL 2-1/4, GK 2-5/8, 8 Spindle Radius Base	.500
BRA-37046	TP, SN 2", 6 Spindle Radius Base	.500
BRA-37056	SD 2-1/4, SE 2-5/8, 6 Spindle Radius Base	.500
BRA-31316	TV 1", A6 1", 1-1/4 6 Spindle Flat Base	.750
BRA-31318	C8 2-1/4, C8 2-5/8 8 Spindle Flat Base	.750
BRA-31336	A6, TA 1-5/8 6 Spindle Flat Base	.750
BRA-31346	C6 2-1/4, C6 2-5/8, 6 Spindle Flat Base	.750
BRA-37316	TS, TC, TB 1", 6 Spindle Radius Base	.750
BRA-37318	A8, VK 1", 8 Spindle Radius Base	.750
BRA-37326	SW, SX, TG, SY 1", 6 Spindle Radius Base	.750
BRA-37328	VL, VV 1-1/4, VM, WW 1-1/2, VB, A8, VN, VF 1-5/8, XX 1-7/8, 8 Spindle Radius Base	.750
BRA-37336	TF 1-5/8, 6 Spindle Radius Base	.750
BRA-37338	GL 2-1/4, GK 2-5/8, 8 Spindle Radius Base	.750
BRA-37346	TP, SN 2", 6 Spindle Radius Base	.750
BRA-37356	SD 2-1/4, SE 2-5/8, 6 Spindle Radius Base	.750

EXTERNAL

ORDER#	Machine Types	Broach Mounting Dia.
BRA-33016	TV 1", A6 1", 1-1/4 6 Spindle Flat Base	.9448
BRA-33018	C8 2-1/4, C8 2-5/8, 8 Spindle Flat Base	.9448
BRA-33036	A6, TA 1-5/8, 6 Spindle Flat Base	.9448
BRA-33046	C6 2-1/4, C6 2-5/8, 6 Spindle	.9448
BRA-38006	B, QE, QF 9/16, 6 Spindle Radius Base	.9448
BRA-38016	TS, TC, TB 1", 6 Spindle Radius Base	.9448
BRA-38018	A8, VK 1", 8 Spindle Radius Base	.9448
BRA-38026	SW, SX, TG, SY 1", 6 Spindle Radius Base	.9448
BRA-38028	VL, VV 1-1/4, VM, WW 1-1/2, VB, A8, VN, VF 1-5/8, XX 1-7/8, 8 Spindle Radius Base	.9448
BRA-38036	TF 1-5/8, 6 Spindle Radius Base	.9448
BRA-38038	GL 2-1/4, GK 2-5/8, 8 Spindle Radius Base	.9448
BRA-38046	TP, SN 2", 6 Spindle Radius Base	.9448
BRA-38056	SD 2-1/4, SE 2-5/8, 6 Spindle Radius Base	.9448
BRA-33316	TV 1", A6 1", 1-1/4, 6 Spindle Flat Base	1.5748
BRA-33318	C8 2-1/4, C8 2-5/8 8 Spindle Flat Base	1.5748
BRA-33336	A6, TA 1-5/8 6 Spindle Flat Base	1.5748
BRA-33346	C6 2-1/4, C6 2-5/8, 6 Spindle Flat Base	1.5748
BRA-38316	TS, TC, TB 1" 6 Spindle Radius Base	1.5748
BRA-38318	A8, VK 1", 8 Spindle Radius Base	1.5748
BRA-38326	SW, SX, TG, SY 1" 6 Spindle Radius Base	1.5748
BRA-38328	VL, VV 1-1/4, VM, WW 1-1/2, VB, A8, VN, VF 1-5/8, XX 1-7/8, 8 Spindle Radius Base	1.5748
BRA-38336	TF 1-5/8, 6 Spindle Radius Base	1.5748
BRA-38338	GL 2-1/4, GK 2-5/8, 8 Spindle Radius Base	1.5748
BRA-38346	TP, SN 2", 6 Spindle Radius Base	1.5748
BRA-38356	SD 2-1/4, SE 2-5/8, 6 Spindle Radius Base	1.5748

Warner & Swasey

INTERNAL

ORDER#	Machine Types	Broach Shank Dia.
BRA-51015	1-3/4 M-2500, 2-1/4 M-2530, 5 Spindle Flat Base	.500
BRA-51016	3/4 M-3330, 1-1/4 M-3300, 6 Spindle Flat Base	.500
BRA-51315	1-3/4 M-2500, 2-1/4 M2530, 5 Spindle Flat Base	.750
BRA-51316	3/4 M-3330, 1-1/4 M-3300, 6 Spindle Flat Base	.750

EXTERNAL

ORDER#	Machine Types	Broach Mounting Dia.
BRA-53015	1-3/4 M-2500, 2-1/4 M-2530, 5 Spindle Flat Base	.9448
BRA-53016	3/4 M-3330, 1-1/4 M-3300, 6 Spindle Flat Base	.9448
BRA-53315	1-3/4 M-2500, 2-1/4 M-2530, 5 Spindle Flat Base	1.5748
BRA-53316	3/4 M-3330, 1-1/4 M-3300, 6 Spindle Flat Base	1.5748

Wickman

INTERNAL

ORDER#	Machine Types	Broach Shank Dia.
BRA-61015	1-3/8, 5 Spindle Flat Base	.500
BRA-61016	5/8, 6 Spindle Flat Base	.500
BRA-61018	1-3/4, 8 Spindle Flat Base	.500
BRA-61025	1-3/4, 2-1/4, 5 Spindle Flat Base	.500
BRA-61026	1", 6 Spindle Flat Base	.500
BRA-61036	1-3/8, 1-3/4, 6 Spindle Flat Base	.500
BRA-61046	2-1/4, 6 Spindle Flat Base	.500
BRA-61056	2-5/8, 6 Spindle Flat Base	.500
BRA-61315	1-3/8, 5 Spindle Flat Base	.750
BRA-61318	1-3/4, 8 Spindle Flat Base	.750
BRA-61325	1-3/4, 2-1/4, 5 Spindle Flat Base	.750
BRA-61326	1", 6 Spindle Flat Base	.750
BRA-61336	1-3/8, 1-3/4, 6 Spindle Flat Base	.750
BRA-61346	2-1/4, 6 Spindle Flat Base	.750
BRA-61356	2-5/8, 6 Spindle Flat Base	.750

EXTERNAL

ORDER#	Machine Types	Broach Mounting Dia.
BRA-63015	1-3/8, 5 Spindle Flat Base	.9448
BRA-63016	5/8, 6 Spindle Flat Base	.9448
BRA-63018	1-3/4, 8 Spindle Flat Base	.9448
BRA-63025	1-3/4, 2-1/4, 5 Spindle Flat Base	.9448
BRA-63026	1", 6 Spindle Flat Base	.9448
BRA-63036	1-3/8, 1-3/4, 6 Spindle Flat Base	.9448
BRA-63046	2-1/4, 6 Spindle Flat Base	.9448
BRA-63056	2-5/8, 6 Spindle Flat Base	.9448
BRA-63315	1-3/8, 5 Spindle Flat Base	1.5748
BRA-63318	1-3/4, 8 Spindle Flat Base	1.5748
BRA-63325	1-3/4, 2-1/4, 5 Spindle Flat Base	1.5748
BRA-63326	1", 6 Spindle Flat Base	1.5748
BRA-63336	1-3/8, 1-3/4, 6 Spindle Flat Base	1.5748
BRA-63346	2-1/4, 6 Spindle Flat Base	1.5748
BRA-63356	2-5/8, 6 Spindle Flat Base	1.5748