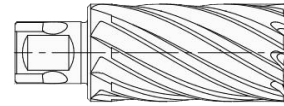


HSS ANNULAR CUTTER

HSS/HSSE

HAC25L/HAC50L



ANNULAR
CUTTER

☆ Shank Types: Universal shank $\Phi 19.05$, weldon shank $\Phi 19.05$, WELDON SHANK+1 ADDITIONAL HOLE $\Phi 19.05$
FEIN QUICK-IN SHANK $\Phi 18$, THREAD SHANK M18, ROUND SHANK $\Phi 15.875$

☆ Surface: Bright / TiN / TiAlN / AlTiN

metric serie

Order No.	$\emptyset D$	L (mm)
HAC25L-12	12	25
HAC25L-13	13	25
HAC25L-14	14	25
HAC25L-15	15	25
HAC25L-16	16	25
HAC25L-17	17	25
HAC25L-18	18	25
HAC25L-19	19	25
HAC25L-20	20	25
HAC25L-21	21	25
HAC25L-22	22	25
HAC25L-23	23	25
HAC25L-24	24	25
HAC25L-25	25	25
HAC25L-26	26	25
HAC25L-27	27	25
HAC25L-28	28	25
HAC25L-29	29	25

Order No.	$\emptyset D$	L (mm)
HAC25L-30	30	25
HAC25L-31	31	25
HAC25L-32	32	25
HAC25L-33	33	25
HAC25L-34	34	25
HAC25L-35	35	25
HAC25L-36	36	25
HAC25L-37	37	25
HAC25L-38	38	25
HAC25L-39	39	25
HAC25L-40	40	25
HAC25L-41	41	25
HAC25L-42	42	25
HAC25L-43	43	25
HAC25L-44	44	25
HAC25L-45	45	25
HAC25L-46	46	25
HAC25L-47	47	25

Order No.	$\emptyset D$	L (mm)
HAC25L-48	48	25
HAC25L-49	49	25
HAC25L-50	50	25
HAC25L-51	51	25
HAC25L-52	52	25
HAC25L-53	53	25
HAC25L-54	54	25
HAC25L-55	55	25
HAC25L-56	56	25
HAC25L-57	57	25
HAC25L-58	58	25
HAC25L-59	59	25
HAC25L-60	60	25
HAC25L-61	61	25
HAC25L-62	62	25
HAC25L-63	63	25
HAC25L-64	64	25
HAC25L-65	65	25

metric serie

Order No.	$\emptyset D$	L (mm)
HAC50L-12	12	50
HAC50L-13	13	50
HAC50L-14	14	50
HAC50L-15	15	50
HAC50L-16	16	50
HAC50L-17	17	50
HAC50L-18	18	50
HAC50L-19	19	50
HAC50L-20	20	50
HAC50L-21	21	50
HAC50L-22	22	50
HAC50L-23	23	50
HAC50L-24	24	50
HAC50L-25	25	50
HAC50L-26	26	50
HAC50L-27	27	50
HAC50L-28	28	50
HAC50L-29	29	50

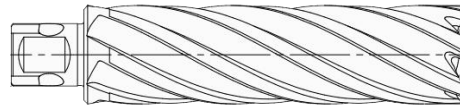
Order No.	$\emptyset D$	L (mm)
HAC50L-30	30	50
HAC50L-31	31	50
HAC50L-32	32	50
HAC50L-33	33	50
HAC50L-34	34	50
HAC50L-35	35	50
HAC50L-36	36	50
HAC50L-37	37	50
HAC50L-38	38	50
HAC50L-39	39	50
HAC50L-40	40	50
HAC50L-41	41	50
HAC50L-42	42	50
HAC50L-43	43	50
HAC50L-44	44	50
HAC50L-45	45	50
HAC50L-46	46	50
HAC50L-47	47	50

Order No.	$\emptyset D$	L (mm)
HAC50L-48	48	50
HAC50L-49	49	50
HAC50L-50	50	50
HAC50L-51	51	50
HAC50L-52	52	50
HAC50L-53	53	50
HAC50L-54	54	50
HAC50L-55	55	50
HAC50L-56	56	50
HAC50L-57	57	50
HAC50L-58	58	50
HAC50L-59	59	50
HAC50L-60	60	50
HAC50L-61	61	50
HAC50L-62	62	50
HAC50L-63	63	50
HAC50L-64	64	50
HAC50L-65	65	50

HSS ANNULAR CUTTER

HSS/HSSE

HAC75L/HAC100L



ANNULAR
CUTTER

☆ Shank Types: Universal shank $\Phi 19.05$, weldon shank $\Phi 19.05$, WELDON SHANK+1 ADDITIONAL HOLE $\Phi 19.05$
FEIN QUICK-IN SHANK $\Phi 18$, THREAD SHANK M18, ROUND SHANK $\Phi 15.875$

☆ Surface: Bright / TiN / TiAlN / AlTiN

metric serie

Order No.	$\emptyset D$	L (mm)
HAC75L-16	16	75
HAC75L-17	17	75
HAC75L-18	18	75
HAC75L-19	19	75
HAC75L-20	20	75
HAC75L-21	21	75
HAC75L-22	22	75
HAC75L-23	23	75
HAC75L-24	24	75
HAC75L-25	25	75
HAC75L-26	26	75
HAC75L-27	27	75
HAC75L-28	28	75
HAC75L-29	29	75
HAC75L-30	30	75

Order No.	$\emptyset D$	L (mm)
HAC75L-31	31	75
HAC75L-32	32	75
HAC75L-33	33	75
HAC75L-34	34	75
HAC75L-35	35	75
HAC75L-36	36	75
HAC75L-37	37	75
HAC75L-38	38	75
HAC75L-39	39	75
HAC75L-40	40	75
HAC75L-41	41	75
HAC75L-42	42	75
HAC75L-43	43	75
HAC75L-44	44	75
HAC75L-45	45	75

Order No.	$\emptyset D$	L (mm)
HAC75L-46	46	75
HAC75L-47	47	75
HAC75L-48	48	75
HAC75L-49	49	75
HAC75L-50	50	75
HAC75L-51	51	75
HAC75L-52	52	75
HAC75L-53	53	75
HAC75L-54	54	75
HAC75L-55	55	75
HAC75L-56	56	75
HAC75L-57	57	75
HAC75L-58	58	75
HAC75L-59	59	75
HAC75L-60	60	75

metric serie

Order No.	$\emptyset D$	L (mm)
HAC100L-18	18	100
HAC100L-19	19	100
HAC100L-20	20	100
HAC100L-21	21	100
HAC100L-22	22	100
HAC100L-23	23	100
HAC100L-24	24	100
HAC100L-25	25	100
HAC100L-26	26	100
HAC100L-27	27	100
HAC100L-28	28	100
HAC100L-29	29	100
HAC100L-30	30	100
HAC100L-31	31	100
HAC100L-32	32	100

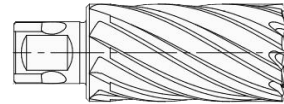
Order No.	$\emptyset D$	L (mm)
HAC100L-33	33	100
HAC100L-34	34	100
HAC100L-35	35	100
HAC100L-36	36	100
HAC100L-37	37	100
HAC100L-38	38	100
HAC100L-39	39	100
HAC100L-40	40	100
HAC100L-41	41	100
HAC100L-42	42	100
HAC100L-43	43	100
HAC100L-44	44	100
HAC100L-45	45	100
HAC100L-46	46	100
HAC100L-47	47	100

Order No.	$\emptyset D$	L (mm)
HAC100L-48	48	100
HAC100L-49	49	100
HAC100L-50	50	100
HAC100L-51	51	100
HAC100L-52	52	100
HAC100L-53	53	100
HAC100L-54	54	100
HAC100L-55	55	100
HAC100L-56	56	100
HAC100L-57	57	100
HAC100L-58	58	100
HAC100L-59	59	100
HAC100L-60	60	100

HSS ANNULAR CUTTER

HSS/HSSE

HMAC14L



ANNULAR
CUTTER

metric serie

☆ Shank Types: WELDON SHANK $\Phi 31.75$ - suitable for dia. > 60mm

Order No.	ΦD	L (mm)
HAC25L-61	61	25
HAC25L-62	62	25
HAC25L-63	63	25
HAC25L-64	64	25
HAC50L-61	61	50
HAC50L-62	62	50
HAC50L-63	63	50
HAC50L-64	64	50

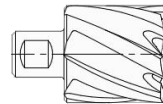
Order No.	ΦD	L (mm)
HAC25L-65	65	25
HAC25L-66	66	25
HAC25L-67	67	25
HAC25L-68	68	25
HAC50L-65	65	50
HAC50L-66	66	50
HAC50L-67	67	50
HAC50L-68	68	50

Order No.	ΦD	L (mm)
HAC25L-69	69	25
HAC25L-70	70	25
HAC50L-69	69	50
HAC50L-70	70	50

HSS MINI ANNULAR CUTTER

HSS/HSSE

HMAC14L



☆ Shank Types: weldon shank $\Phi 9.525$.

☆ Surface: Bright / TiN / TiAlN / AlTiN

metric serie

Order No.	ΦD	L (mm)
HMAC14L-8	8	14
HMAC14L-10	10	14
HMAC14L-12	12	14
HMAC14L-13	13	14

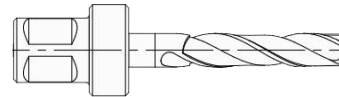
Order No.	ΦD	L (mm)
HMAC14L-14	14	14
HMAC14L-16	16	14
HMAC14L-18	18	14
HMAC14L-20	20	14

Order No.	ΦD	L (mm)
HMAC14L-22	22	14
HMAC14L-24	24	14
HMAC14L-25	25	14

HSS SOLID ANNULAR CUTTER

HSS/HSSE

HSAC25L/HSAC50L



☆ Shank Types: weldon shank $\Phi 19.05$,

☆ Surface: Bright / TiN / TiAlN / AlTiN

metric serie

Order No.	ΦD	L (mm)
HSAC20L-18	18	25
HSAC21L-19	19	25
HSAC22L-20	20	25
HSAC23L-21	21	25
HSAC24L-22	22	25
HSAC25L-23	23	25

Order No.	ΦD	L (mm)
HSAC20L-24	24	25
HSAC21L-25	25	25
HSAC22L-26	26	25
HSAC23L-27	27	25
HSAC24L-28	28	25
HSAC25L-29	29	25

Order No.	ΦD	L (mm)
HSAC20L-30	30	25
HSAC21L-31	31	25
HSAC22L-32	32	25
HSAC23L-33	33	25
HSAC24L-34	34	25
HSAC25L-35	35	25

Order No.	ΦD	L (mm)
HSAC50L-18	18	50
HSAC50L-19	19	50
HSAC50L-20	20	50
HSAC50L-21	21	50
HSAC50L-22	22	50
HSAC50L-23	23	50

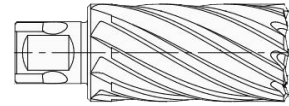
Order No.	ΦD	L (mm)
HSAC50L-24	24	50
HSAC50L-25	25	50
HSAC50L-26	26	50
HSAC50L-27	27	50
HSAC50L-28	28	50
HSAC50L-29	29	50

Order No.	ΦD	L (mm)
HSAC50L-30	30	50
HSAC50L-31	31	50
HSAC50L-32	32	50
HSAC50L-33	33	50
HSAC50L-34	34	50
HSAC50L-35	35	50

HSS ANNULAR CUTTER

HSS/HSSE

HAC1L/HAC2L



ANNULAR
CUTTER

☆ Shank Types: Universal shank $\Phi 19.05$, weldon shank $\Phi 19.05$, WELDON SHANK+1 ADDITIONAL HOLE $\Phi 19.05$

☆ Surface: Bright / TiN / TiAlN / AlTiN

inch serie

Order No.	$\emptyset D$	L (")
HAC1L-4375	7/16	1
HAC1L-5000	1/2	1
HAC1L-5625	9/16	1
HAC1L-6250	5/8	1
HAC1L-6875	11/16	1
HAC1L-7500	3/4	1
HAC1L-8125	13/16	1
HAC1L-8750	7/8	1
HAC1L-9375	15/16	1
HAC1L-10000	1	1
HAC1L-10625	1 1/16	1

Order No.	$\emptyset D$	L (")
HAC1L-11250	1 1/8	1
HAC1L-11875	1 3/16	1
HAC1L-12500	1 1/4	1
HAC1L-13125	1 5/16	1
HAC1L-13750	1 3/8	1
HAC1L-14375	1 7/16	1
HAC1L-15000	1 1/2	1
HAC1L-15625	1 9/16	1
HAC1L-16250	1 5/8	1
HAC1L-16875	1 11/16	1
HAC1L-17500	1 3/4	1

Order No.	$\emptyset D$	L (")
HAC1L-18125	1 13/16	1
HAC1L-18750	1 7/8	1
HAC1L-19375	1 15/16	1
HAC1L-20000	2	1
HAC1L-20625	2 1/16	1
HAC1L-21250	2 1/8	1
HAC1L-21875	2 3/16	1
HAC1L-22500	2 1/4	1
HAC1L-23125	2 5/16	1
HAC1L-23750	2 3/8	1

inch serie

Order No.	$\emptyset D$	L (")
HAC2L-4375	7/16	1
HAC2L-5000	1/2	1
HAC2L-5625	9/16	1
HAC2L-6250	5/8	1
HAC2L-6875	11/16	1
HAC2L-7500	3/4	1
HAC2L-8125	13/16	1
HAC2L-8750	7/8	1
HAC2L-9375	15/16	1
HAC2L-10000	1	1
HAC2L-10625	1 1/16	1

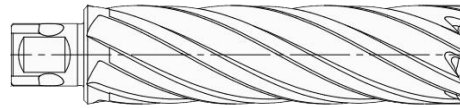
Order No.	$\emptyset D$	L (")
HAC2L-11250	1 1/8	1
HAC2L-11875	1 3/16	1
HAC2L-12500	1 1/4	1
HAC2L-13125	1 5/16	1
HAC2L-13750	1 3/8	1
HAC2L-14375	1 7/16	1
HAC2L-15000	1 1/2	1
HAC2L-15625	1 9/16	1
HAC2L-16250	1 5/8	1
HAC2L-16875	1 11/16	1
HAC2L-17500	1 3/4	1

Order No.	$\emptyset D$	L (")
HAC2L-18125	1 13/16	1
HAC2L-18750	1 7/8	1
HAC2L-19375	1 15/16	1
HAC2L-20000	2	1
HAC2L-20625	2 1/16	1
HAC2L-21250	2 1/8	1
HAC2L-21875	2 3/16	1
HAC2L-22500	2 1/4	1
HAC2L-23125	2 5/16	1
HAC2L-23750	2 3/8	1

HSS ANNULAR CUTTER

HSS/HSSE

HAC3L/HAC4L



ANNULAR
CUTTER

☆ Shank Types: Universal shank $\Phi 19.05$, weldon shank $\Phi 19.05$, WELDON SHANK+1 ADDITIONAL HOLE $\Phi 19.05$

☆ Surface: Bright / TiN / TiAlN / AlTiN

inch serie

Order No.	$\emptyset D$	L (")
HAC3L-6875	11/16	3
HAC3L-7500	3/4	3
HAC3L-8125	13/16	3
HAC3L-8750	7/8	3
HAC3L-9375	15/16	3
HAC3L-10000	1	3
HAC3L-10625	1 1/16	3
HAC3L-11250	1 1/8	3
HAC3L-11875	1 3/16	3
HAC3L-12500	1 1/4	3

Order No.	$\emptyset D$	L (")
HAC3L-13125	1 5/16	3
HAC3L-13750	1 3/8	3
HAC3L-14375	1 7/16	3
HAC3L-15000	1 1/2	3
HAC3L-15625	1 9/16	3
HAC3L-16250	1 5/8	3
HAC3L-16875	1 11/16	3
HAC3L-17500	1 3/4	3
HAC3L-18125	1 13/16	3
HAC3L-18750	1 7/8	3

Order No.	$\emptyset D$	L (")
HAC3L-19375	1 15/16	3
HAC3L-20000	2	3
HAC3L-20625	2 1/16	3
HAC3L-21250	2 1/8	3
HAC3L-21875	2 3/16	3
HAC3L-22500	2 1/4	3
HAC3L-23125	2 5/16	3
HAC3L-23750	2 3/8	3

inch serie

Order No.	$\emptyset D$	L (")
HAC4L-6875	11/16	4
HAC4L-7500	3/4	4
HAC4L-8125	13/16	4
HAC4L-8750	7/8	4
HAC4L-9375	15/16	4
HAC4L-10000	1	4
HAC4L-10625	1 1/16	4
HAC4L-11250	1 1/8	4
HAC4L-11875	1 3/16	4
HAC4L-12500	1 1/4	4

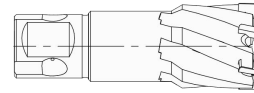
Order No.	$\emptyset D$	L (")
HAC4L-13125	1 5/16	4
HAC4L-13750	1 3/8	4
HAC4L-14375	1 7/16	4
HAC4L-15000	1 1/2	4
HAC4L-15625	1 9/16	4
HAC4L-16250	1 5/8	4
HAC4L-16875	1 11/16	4
HAC4L-17500	1 3/4	4
HAC4L-18125	1 13/16	4
HAC4L-18750	1 7/8	4

Order No.	$\emptyset D$	L (")
HAC4L-19375	1 15/16	4
HAC4L-20000	2	4
HAC4L-20625	2 1/16	4
HAC4L-21250	2 1/8	4
HAC4L-21875	2 3/16	4
HAC4L-22500	2 1/4	4
HAC4L-23125	2 5/16	4
HAC4L-23750	2 3/8	4

TCT ANNULAR CUTTER

Tungstan Carbide Tipped

TAC25L/TAC50L



ANNULAR
CUTTER

☆ Shank Types: Universal shank $\Phi 19.05$, weldon shank $\Phi 19.05$, WELDON SHANK+1 ADDITIONAL HOLE $\Phi 19.05$
FEIN QUICK-IN SHANK $\Phi 18$, Quick-change shank(3 holes) $\Phi 25$, THREAD SHANK M18

☆ Surface: Bright / TiN / TiAlN / AlTiN

metric serie

Order No.	$\emptyset D$	L (mm)
TAC35L-12	12	35
TAC35L-13	13	35
TAC35L-14	14	35
TAC35L-15	15	35
TAC35L-16	16	35
TAC35L-17	17	35
TAC35L-18	18	35
TAC35L-19	19	35
TAC35L-20	20	35
TAC35L-21	21	35
TAC35L-22	22	35
TAC35L-23	23	35
TAC35L-24	24	35
TAC35L-25	25	35
TAC35L-26	26	35
TAC35L-27	27	35
TAC35L-28	28	35
TAC35L-29	29	35

Order No.	$\emptyset D$	L (mm)
TAC35L-30	30	35
TAC35L-31	31	35
TAC35L-32	32	35
TAC35L-33	33	35
TAC35L-34	34	35
TAC35L-35	35	35
TAC35L-36	36	35
TAC35L-37	37	35
TAC35L-38	38	35
TAC35L-39	39	35
TAC35L-40	40	35
TAC35L-41	41	35
TAC35L-42	42	35
TAC35L-43	43	35
TAC35L-44	44	35
TAC35L-45	45	35
TAC35L-46	46	35
TAC35L-47	47	35

Order No.	$\emptyset D$	L (mm)
TAC35L-48	48	35
TAC35L-49	49	35
TAC35L-50	50	35
TAC35L-51	51	35
TAC35L-52	52	35
TAC35L-53	53	35
TAC35L-54	54	35
TAC35L-55	55	35
TAC35L-56	56	35
TAC35L-57	57	35
TAC35L-58	58	35
TAC35L-59	59	35
TAC35L-60	60	35
TAC35L-61	61	35
TAC35L-62	62	35
TAC35L-63	63	35
TAC35L-64	64	35
TAC35L-65	65	35

metric serie

Order No.	$\emptyset D$	L (mm)
TAC50L-12	12	50
TAC50L-13	13	50
TAC50L-14	14	50
TAC50L-15	15	50
TAC50L-16	16	50
TAC50L-17	17	50
TAC50L-18	18	50
TAC50L-19	19	50
TAC50L-20	20	50
TAC50L-21	21	50
TAC50L-22	22	50
TAC50L-23	23	50
TAC50L-24	24	50
TAC50L-25	25	50
TAC50L-26	26	50
TAC50L-27	27	50
TAC50L-28	28	50
TAC50L-29	29	50

Order No.	$\emptyset D$	L (mm)
TAC50L-30	30	50
TAC50L-31	31	50
TAC50L-32	32	50
TAC50L-33	33	50
TAC50L-34	34	50
TAC50L-35	35	50
TAC50L-36	36	50
TAC50L-37	37	50
TAC50L-38	38	50
TAC50L-39	39	50
TAC50L-40	40	50
TAC50L-41	41	50
TAC50L-42	42	50
TAC50L-43	43	50
TAC50L-44	44	50
TAC50L-45	45	50
TAC50L-46	46	50
TAC50L-47	47	50

Order No.	$\emptyset D$	L (mm)
TAC50L-48	48	50
TAC50L-49	49	50
TAC50L-50	50	50
TAC50L-51	51	50
TAC50L-52	52	50
TAC50L-53	53	50
TAC50L-54	54	50
TAC50L-55	55	50
TAC50L-56	56	50
TAC50L-57	57	50
TAC50L-58	58	50
TAC50L-59	59	50
TAC50L-60	60	50
TAC50L-61	61	50
TAC50L-62	62	50
TAC50L-63	63	50
TAC50L-64	64	50
TAC50L-65	65	50

TCT ANNULAR CUTTER

Tungstan Carbide Tipped

TAC75L/TAC100L



ANNULAR
CUTTER

☆ Shank Types: Universal shank $\Phi 19.05$, weldon shank $\Phi 19.05$, WELDON SHANK+1 ADDITIONAL HOLE $\Phi 19.05$
FEIN QUICK-IN SHANK $\Phi 18$, Quick-change shank(3 holes) $\Phi 25$, THREAD SHANK M18

☆ Surface: Bright / TiN / TiAlN / AlTiN

metric serie

Order No.	$\emptyset D$	L (mm)	Order No.	$\emptyset D$	L (mm)	Order No.	$\emptyset D$	L (mm)
TAC75L-16	16	75	TAC75L-31	31	75	TAC75L-46	46	75
TAC75L-17	17	75	TAC75L-32	32	75	TAC75L-47	47	75
TAC75L-18	18	75	TAC75L-33	33	75	TAC75L-48	48	75
TAC75L-19	19	75	TAC75L-34	34	75	TAC75L-49	49	75
TAC75L-20	20	75	TAC75L-35	35	75	TAC75L-50	50	75
TAC75L-21	21	75	TAC75L-36	36	75	TAC75L-51	51	75
TAC75L-22	22	75	TAC75L-37	37	75	TAC75L-52	52	75
TAC75L-23	23	75	TAC75L-38	38	75	TAC75L-53	53	75
TAC75L-24	24	75	TAC75L-39	39	75	TAC75L-54	54	75
TAC75L-25	25	75	TAC75L-40	40	75	TAC75L-55	55	75
TAC75L-26	26	75	TAC75L-41	41	75	TAC75L-56	56	75
TAC75L-27	27	75	TAC75L-42	42	75	TAC75L-57	57	75
TAC75L-28	28	75	TAC75L-43	43	75	TAC75L-58	58	75
TAC75L-29	29	75	TAC75L-44	44	75	TAC75L-59	59	75
TAC75L-30	30	75	TAC75L-45	45	75	TAC75L-60	60	75

metric serie

Order No.	$\emptyset D$	L (mm)	Order No.	$\emptyset D$	L (mm)	Order No.	$\emptyset D$	L (mm)
TAC100L-18	18	100	TAC100L-33	33	100	TAC100L-48	48	100
TAC100L-19	19	100	TAC100L-34	34	100	TAC100L-49	49	100
TAC100L-20	20	100	TAC100L-35	35	100	TAC100L-50	50	100
TAC100L-21	21	100	TAC100L-36	36	100	TAC100L-51	51	100
TAC100L-22	22	100	TAC100L-37	37	100	TAC100L-52	52	100
TAC100L-23	23	100	TAC100L-38	38	100	TAC100L-53	53	100
TAC100L-24	24	100	TAC100L-39	39	100	TAC100L-54	54	100
TAC100L-25	25	100	TAC100L-40	40	100	TAC100L-55	55	100
TAC100L-26	26	100	TAC100L-41	41	100	TAC100L-56	56	100
TAC100L-27	27	100	TAC100L-42	42	100	TAC100L-57	57	100
TAC100L-28	28	100	TAC100L-43	43	100	TAC100L-58	58	100
TAC100L-29	29	100	TAC100L-44	44	100	TAC100L-59	59	100
TAC100L-30	30	100	TAC100L-45	45	100	TAC100L-60	60	100
TAC100L-31	31	100	TAC100L-46	46	100			
TAC100L-32	32	100	TAC100L-47	47	100			

TCT ANNULAR CUTTER

Tungstan Carbide Tipped

TAC150L/TAC200L



ANNULAR
CUTTER

☆ Shank Types: weldon shank $\Phi 19.05$,

☆ Surface: Bright / TiN / TiAlN / AlTiN

metric serie

Order No.	$\emptyset D$	L (mm)
TAC150L-20	20	150
TAC150L-21	21	150
TAC150L-22	22	150
TAC150L-23	23	150
TAC150L-24	24	150
TAC150L-25	25	150
TAC150L-26	26	150
TAC150L-27	27	150
TAC150L-28	28	150
TAC150L-29	29	150
TAC150L-30	30	150
TAC150L-31	31	150
TAC150L-32	32	150
TAC150L-33	33	150
TAC150L-34	34	150
TAC150L-35	35	150

Order No.	$\emptyset D$	L (mm)
TAC150L-36	36	150
TAC150L-37	37	150
TAC150L-38	38	150
TAC150L-39	39	150
TAC150L-40	40	150
TAC150L-41	41	150
TAC150L-42	42	150
TAC150L-43	43	150
TAC150L-44	44	150
TAC150L-45	45	150
TAC150L-46	46	150
TAC150L-47	47	150
TAC150L-48	48	150
TAC150L-49	49	150
TAC150L-50	50	150
TAC150L-51	51	150

Order No.	$\emptyset D$	L (mm)
TAC150L-52	52	150
TAC150L-53	53	150
TAC150L-54	54	150
TAC150L-55	55	150
TAC150L-56	56	150
TAC150L-57	57	150
TAC150L-58	58	150
TAC150L-59	59	150
TAC150L-60	60	150
TAC150L-61	61	150
TAC150L-62	62	150
TAC150L-63	63	150
TAC150L-64	64	150
TAC150L-65	65	150

metric serie

Order No.	$\emptyset D$	L (mm)
TAC200L-20	20	200
TAC200L-21	21	200
TAC200L-22	22	200
TAC200L-23	23	200
TAC200L-24	24	200
TAC200L-25	25	200
TAC200L-26	26	200
TAC200L-27	27	200
TAC200L-28	28	200
TAC200L-29	29	200
TAC200L-30	30	200
TAC200L-31	31	200
TAC200L-32	32	200
TAC200L-33	33	200
TAC200L-34	34	200
TAC200L-35	35	200

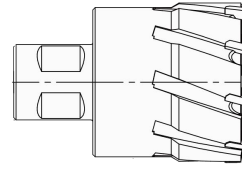
Order No.	$\emptyset D$	L (mm)
TAC200L-36	36	200
TAC200L-37	37	200
TAC200L-38	38	200
TAC200L-39	39	200
TAC200L-40	40	200
TAC200L-41	41	200
TAC200L-42	42	200
TAC200L-43	43	200
TAC200L-44	44	200
TAC200L-45	45	200
TAC200L-46	46	200
TAC200L-47	47	200
TAC200L-48	48	200
TAC200L-49	49	200
TAC200L-50	50	200
TAC200L-51	51	200

Order No.	$\emptyset D$	L (mm)
TAC200L-52	52	200
TAC200L-53	53	200
TAC200L-54	54	200
TAC200L-55	55	200
TAC200L-56	56	200
TAC200L-57	57	200
TAC200L-58	58	200
TAC200L-59	59	200
TAC200L-60	60	200
TAC200L-61	61	200
TAC200L-62	62	200
TAC200L-63	63	200
TAC200L-64	64	200
TAC200L-65	65	200

TCT ANNULAR CUTTER

Tungstan Carbide Tipped

TAC50L/TAC70L



ANNULAR
CUTTER

☆ Shank Types: WELDON SHANK $\Phi 31.75$ - suitable for dia. > 60mm

☆ Surface: Bright / TiN / TiAlN / AlTiN

metric serie

Order No.	ΦD	L (mm)	Order No.	ΦD	L (mm)	Order No.	ΦD	L (mm)
TAC50L-61	61	50	TAC50L-81	81	50	TAC50L-101	101	50
TAC50L-62	62	50	TAC50L-82	82	50	TAC50L-102	102	50
TAC50L-63	63	50	TAC50L-83	83	50	TAC50L-103	103	50
TAC50L-64	64	50	TAC50L-84	84	50	TAC50L-104	104	50
TAC50L-65	65	50	TAC50L-85	85	50	TAC50L-105	105	50
TAC50L-66	66	50	TAC50L-86	86	50	TAC50L-106	106	50
TAC50L-67	67	50	TAC50L-87	87	50	TAC50L-107	107	50
TAC50L-68	68	50	TAC50L-88	88	50	TAC50L-108	108	50
TAC50L-69	69	50	TAC50L-89	89	50	TAC50L-109	109	50
TAC50L-70	70	50	TAC50L-90	90	50	TAC50L-110	110	50
TAC50L-71	71	50	TAC50L-91	91	50	TAC50L-115	115	50
TAC50L-72	72	50	TAC50L-92	92	50	TAC50L-120	120	50
TAC50L-73	73	50	TAC50L-93	93	50	TAC50L-125	125	50
TAC50L-74	74	50	TAC50L-94	94	50	TAC50L-130	130	50
TAC50L-75	75	50	TAC50L-95	95	50	TAC50L-135	135	50
TAC50L-76	76	50	TAC50L-96	96	50	TAC50L-140	140	50
TAC50L-77	77	50	TAC50L-97	97	50	TAC50L-145	145	50
TAC50L-78	78	50	TAC50L-98	98	50	TAC50L-150	150	50
TAC50L-79	79	50	TAC50L-99	99	50			
TAC50L-80	80	50	TAC50L-100	100	50			

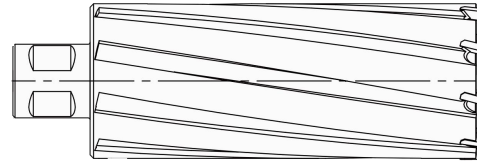
metric serie

TAC75L-61	61	75	TAC75L-81	81	75	TAC75L-101	101	75
TAC75L-62	62	75	TAC75L-82	82	75	TAC75L-102	102	75
TAC75L-63	63	75	TAC75L-83	83	75	TAC75L-103	103	75
TAC75L-64	64	75	TAC75L-84	84	75	TAC75L-104	104	75
TAC75L-65	65	75	TAC75L-85	85	75	TAC75L-105	105	75
TAC75L-66	66	75	TAC75L-86	86	75	TAC75L-106	106	75
TAC75L-67	67	75	TAC75L-87	87	75	TAC75L-107	107	75
TAC75L-68	68	75	TAC75L-88	88	75	TAC75L-108	108	75
TAC75L-69	69	75	TAC75L-89	89	75	TAC75L-109	109	75
TAC75L-70	70	75	TAC75L-90	90	75	TAC75L-110	110	75
TAC75L-71	71	75	TAC75L-91	91	75	TAC75L-115	115	75
TAC75L-72	72	75	TAC75L-92	92	75	TAC75L-120	120	75
TAC75L-73	73	75	TAC75L-93	93	75	TAC75L-125	125	75
TAC75L-74	74	75	TAC75L-94	94	75	TAC75L-130	130	75
TAC75L-75	75	75	TAC75L-95	95	75	TAC75L-135	135	75
TAC75L-76	76	75	TAC75L-96	96	75	TAC75L-140	140	75
TAC75L-77	77	75	TAC75L-97	97	75	TAC75L-145	145	75
TAC75L-78	78	75	TAC75L-98	98	75	TAC75L-150	150	75
TAC75L-79	79	75	TAC75L-99	99	75			

TCT ANNULAR CUTTER

Tungsten Carbide Tipped

TAC100L/TAC150L



ANNULAR
CUTTER

☆ Shank Types: WELDON SHANK $\Phi 31.75$ - suitable for dia. > 60mm

☆ Surface: Bright / TiN / TiAlN / AlTiN

metric serie

Order No.	Φ D	L (mm)	Order No.	Φ D	L (mm)	Order No.	Φ D	L (mm)
TAC100L-61	61	100	TAC100L-81	81	100	TAC100L-101	101	100
TAC100L-62	62	100	TAC100L-82	82	100	TAC100L-102	102	100
TAC100L-63	63	100	TAC100L-83	83	100	TAC100L-103	103	100
TAC100L-64	64	100	TAC100L-84	84	100	TAC100L-104	104	100
TAC100L-65	65	100	TAC100L-85	85	100	TAC100L-105	105	100
TAC100L-66	66	100	TAC100L-86	86	100	TAC100L-106	106	100
TAC100L-67	67	100	TAC100L-87	87	100	TAC100L-107	107	100
TAC100L-68	68	100	TAC100L-88	88	100	TAC100L-108	108	100
TAC100L-69	69	100	TAC100L-89	89	100	TAC100L-109	109	100
TAC100L-70	70	100	TAC100L-90	90	100	TAC100L-110	110	100
TAC100L-71	71	100	TAC100L-91	91	100	TAC100L-115	115	100
TAC100L-72	72	100	TAC100L-92	92	100	TAC100L-120	120	100
TAC100L-73	73	100	TAC100L-93	93	100	TAC100L-125	125	100
TAC100L-74	74	100	TAC100L-94	94	100	TAC100L-130	130	100
TAC100L-75	75	100	TAC100L-95	95	100	TAC100L-135	135	100
TAC100L-76	76	100	TAC100L-96	96	100	TAC100L-140	140	100
TAC100L-77	77	100	TAC100L-97	97	100	TAC100L-145	145	100
TAC100L-78	78	100	TAC100L-98	98	100	TAC100L-150	150	100
TAC100L-79	79	100	TAC100L-99	99	100			
TAC100L-80	80	100	TAC100L-100	100	100			

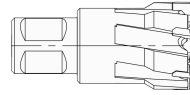
metric serie

Order No.	Φ D	L (mm)	Order No.	Φ D	L (mm)	Order No.	Φ D	L (mm)
TAC150L-61	61	150	TAC150L-75	75	150	TAC150L-89	89	150
TAC150L-62	62	150	TAC150L-76	76	150	TAC150L-90	90	150
TAC150L-63	63	150	TAC150L-77	77	150	TAC150L-91	91	150
TAC150L-64	64	150	TAC150L-78	78	150	TAC150L-92	92	150
TAC150L-65	65	150	TAC150L-79	79	150	TAC150L-93	93	150
TAC150L-66	66	150	TAC150L-80	80	150	TAC150L-94	94	150
TAC150L-67	67	150	TAC150L-81	81	150	TAC150L-95	95	150
TAC150L-68	68	150	TAC150L-82	82	150	TAC150L-96	96	150
TAC150L-69	69	150	TAC150L-83	83	150	TAC150L-97	97	150
TAC150L-70	70	150	TAC150L-84	84	150	TAC150L-98	98	150
TAC150L-71	71	150	TAC150L-85	85	150	TAC150L-99	99	150
TAC150L-72	72	150	TAC150L-86	86	150	TAC150L-100	100	150
TAC150L-73	73	150	TAC150L-87	87	150			
TAC150L-74	74	150	TAC150L-88	88	150			

TCT ANNULAR CUTTER

Tungstan Carbide Tipped

TAC20L



ANNULAR
CUTTER

☆ Shank Types: WELDON SHANK $\Phi 19.05$ - suitable for hard material in HRC50

☆ Surface: Bright / TiN / TiAlN / AlTiN

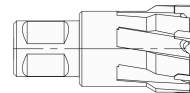
metric serie

Order No.	ΦD	L (mm)	Order No.	ΦD	L (mm)	Order No.	ΦD	L (mm)
TAC20L-14	14	20	TAC20L-27	27	20	TAC20L-40	40	20
TAC20L-15	15	20	TAC20L-28	28	20	TAC20L-41	41	20
TAC20L-16	16	20	TAC20L-29	29	20	TAC20L-42	42	20
TAC20L-17	17	20	TAC20L-30	30	20	TAC20L-43	43	20
TAC20L-18	18	20	TAC20L-31	31	20	TAC20L-44	44	20
TAC20L-19	19	20	TAC20L-32	32	20	TAC20L-45	45	20
TAC20L-20	20	20	TAC20L-33	33	20	TAC20L-46	46	20
TAC20L-21	21	20	TAC20L-34	34	20	TAC20L-47	47	20
TAC20L-22	22	20	TAC20L-35	35	20	TAC20L-48	48	20
TAC20L-23	23	20	TAC20L-36	36	20	TAC20L-49	49	20
TAC20L-24	24	20	TAC20L-37	37	20	TAC20L-50	50	20
TAC20L-25	25	20	TAC20L-38	38	20			
TAC20L-26	26	20	TAC20L-39	39	20			

TCT ANNULAR CUTTER

Tungstan Carbide Tipped

TAC40L



☆ Shank Types: WELDON SHANK $\Phi 19.05$ - suitable for hard material in HRC50

☆ Surface: Bright / TiN / TiAlN / AlTiN

metric serie

Order No.	ΦD	L (mm)	Order No.	ΦD	L (mm)	Order No.	ΦD	L (mm)
TAC40L-14	14	40	TAC40L-27	27	40	TAC40L-40	40	40
TAC40L-15	15	40	TAC40L-28	28	40	TAC40L-41	41	40
TAC40L-16	16	40	TAC40L-29	29	40	TAC40L-42	42	40
TAC40L-17	17	40	TAC40L-30	30	40	TAC40L-43	43	40
TAC40L-18	18	40	TAC40L-31	31	40	TAC40L-44	44	40
TAC40L-19	19	40	TAC40L-32	32	40	TAC40L-45	45	40
TAC40L-20	20	40	TAC40L-33	33	40	TAC40L-46	46	40
TAC40L-21	21	40	TAC40L-34	34	40	TAC40L-47	47	40
TAC40L-22	22	40	TAC40L-35	35	40	TAC40L-48	48	40
TAC40L-23	23	40	TAC40L-36	36	40	TAC40L-49	49	40
TAC40L-24	24	40	TAC40L-37	37	40	TAC40L-50	50	40
TAC40L-25	25	40	TAC40L-38	38	40			
TAC40L-26	26	40	TAC40L-39	39	40			

TCT ANNULAR CUTTER

Tungstan Carbide Tipped

TAC25L



ANNULAR
CUTTER

☆ Shank Types: Round shank. Suitable for special purpose magnetic drilling machines;

☆ Surface: Bright / TiN / TiAlN / AlTiN

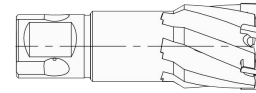
metric serie

Order No.	Ø D	L (mm)	Order No.	Ø D	L (mm)	Order No.	Ø D	L (mm)
TAC25L-12	12	25	TAC25L-19	19	25	TAC25L-26	26	25
TAC25L-13	13	25	TAC25L-20	20	25	TAC25L-27	27	25
TAC25L-14	14	25	TAC25L-21	21	25	TAC25L-28	28	25
TAC25L-15	15	25	TAC25L-22	22	25	TAC25L-29	29	25
TAC25L-16	16	25	TAC25L-23	23	25	TAC25L-30	30	25
TAC25L-17	17	25	TAC25L-24	24	25			
TAC25L-18	18	25	TAC25L-25	25	25			

TCT ANNULAR CUTTER

Tungstan Carbide Tipped

TAC1L/TAC2L



ANNULAR
CUTTER

☆ Shank Types: Universal shank $\Phi 19.05$, weldon shank $\Phi 19.05$, WELDON SHANK+1 ADDITIONAL HOLE $\Phi 19.05$
FEIN QUICK-IN SHANK $\Phi 18$, Quick-change shank(3 holes) $\Phi 25$, THREAD SHANK M18

☆ Surface: Bright / TiN / TiAlN / AlTiN

inch serie

Order No.	$\emptyset D$	L (")
TAC1L-4375	7/16	1
TAC1L-5000	1/2	1
TAC1L-5625	9/16	1
TAC1L-6250	5/8	1
TAC1L-6875	11/16	1
TAC1L-7500	3/4	1
TAC1L-8125	13/16	1
TAC1L-8750	7/8	1
TAC1L-9375	15/16	1
TAC1L-10000	1	1
TAC1L-10625	1 1/16	1
TAC1L-11250	1 1/8	1
TAC1L-11875	1 3/16	1
TAC1L-12500	1 1/4	1
TAC1L-13125	1 5/16	1
TAC1L-13750	1 3/8	1
TAC1L-14375	1 7/16	1
TAC1L-15000	1 1/2	1
TAC1L-15625	1 9/16	1
TAC1L-16250	1 5/8	1

Order No.	$\emptyset D$	L (")
TAC1L-16875	1 11/16	1
TAC1L-17500	1 3/4	1
TAC1L-18125	1 13/16	1
TAC1L-18750	1 7/8	1
TAC1L-19375	1 15/16	1
TAC1L-20000	2	1
TAC1L-20625	2 1/16	1
TAC1L-21250	2 1/8	1
TAC1L-21875	2 3/16	1
TAC1L-22500	2 1/4	1
TAC1L-23125	2 5/16	1
TAC1L-23750	2 3/8	1
TAC1L-24375	2 7/16	1
TAC1L-25000	2 1/2	1
TAC1L-25625	2 9/16	1
TAC1L-26250	2 5/8	1
TAC1L-26875	2 11/16	1
TAC1L-27500	2 3/4	1
TAC1L-28125	2 13/16	1
TAC1L-28750	2 7/8	1

Order No.	$\emptyset D$	L (")
TAC1L-29375	2 15/16	1
TAC1L-30000	3	1
TAC1L-30625	3 1/16	1
TAC1L-31250	3 1/8	1
TAC1L-31875	3 3/16	1
TAC1L-32500	3 1/4	1
TAC1L-33125	3 5/16	1
TAC1L-33750	3 3/8	1
TAC1L-34375	3 7/16	1
TAC1L-35000	3 1/2	1
TAC1L-35625	3 9/16	1
TAC1L-36250	3 5/8	1
TAC1L-36875	3 11/16	1
TAC1L-37500	3 3/4	1
TAC1L-38125	3 13/16	1
TAC1L-38750	3 7/8	1
TAC1L-39375	3 15/16	1

inch serie

Order No.	$\emptyset D$	L (")
TAC2L-4375	7/16	2
TAC2L-5000	1/2	2
TAC2L-5625	9/16	2
TAC2L-6250	5/8	2
TAC2L-6875	11/16	2
TAC2L-7500	3/4	2
TAC2L-8125	13/16	2
TAC2L-8750	7/8	2
TAC2L-9375	15/16	2
TAC2L-10000	1	2
TAC2L-10625	1 1/16	2
TAC2L-11250	1 1/8	2

Order No.	$\emptyset D$	L (")
TAC2L-11875	1 3/16	2
TAC2L-12500	1 1/4	2
TAC2L-13125	1 5/16	2
TAC2L-13750	1 3/8	2
TAC2L-14375	1 7/16	2
TAC2L-15000	1 1/2	2
TAC2L-15625	1 9/16	2
TAC2L-16250	1 5/8	2
TAC2L-16875	1 11/16	2
TAC2L-17500	1 3/4	2
TAC2L-18125	1 13/16	2
TAC2L-18750	1 7/8	2

Order No.	$\emptyset D$	L (")
TAC2L-19375	1 15/16	2
TAC2L-20000	2	2
TAC2L-20625	2 1/16	2
TAC2L-21250	2 1/8	2
TAC2L-21875	2 3/16	2
TAC2L-22500	2 1/4	2
TAC2L-23125	2 5/16	2
TAC2L-23750	2 3/8	2
TAC2L-24375	2 7/16	2
TAC2L-25000	2 1/2	2
TAC2L-25625	2 9/16	2

TCT ANNULAR CUTTER

Tungstan Carbide Tipped

TAC3L/TAC4L



ANNULAR
CUTTER

☆ Shank Types: Universal shank $\Phi 19.05$, weldon shank $\Phi 19.05$, WELDON SHANK+1 ADDITIONAL HOLE $\Phi 19.05$
FEIN QUICK-IN SHANK $\Phi 18$, Quick-change shank(3 holes) $\Phi 25$, THREAD SHANK M18

☆ Surface: Bright / TiN / TiAlN / AlTiN

inch serie

Order No.	Φ D	L (mm)	Order No.	Φ D	L (mm)	Order No.	Φ D	L (mm)
TAC3L-4375	7/16	3	TAC3L-11875	1 3/16	3	TAC3L-19375	1 15/16	3
TAC3L-5000	1/2	3	TAC3L-12500	1 1/4	3	TAC3L-20000	2	3
TAC3L-5625	9/16	3	TAC3L-13125	1 5/16	3	TAC3L-20625	2 1/16	3
TAC3L-6250	5/8	3	TAC3L-13750	1 3/8	3	TAC3L-21250	2 1/8	3
TAC3L-6875	11/16	3	TAC3L-14375	1 7/16	3	TAC3L-21875	2 3/16	3
TAC3L-7500	3/4	3	TAC3L-15000	1 1/2	3	TAC3L-22500	2 1/4	3
TAC3L-8125	13/16	3	TAC3L-15625	1 9/16	3	TAC3L-23125	2 5/16	3
TAC3L-8750	7/8	3	TAC3L-16250	1 5/8	3	TAC3L-23750	2 3/8	3
TAC3L-9375	15/16	3	TAC3L-16875	1 11/16	3	TAC3L-24375	2 7/16	3
TAC3L-10000	1	3	TAC3L-17500	1 3/4	3	TAC3L-25000	2 1/2	3
TAC3L-10625	1 1/16	3	TAC3L-18125	1 13/16	3	TAC3L-25625	2 9/16	3
TAC3L-11250	1 1/8	3	TAC3L-18750	1 7/8	3			

inch serie

Order No.	Φ D	L (mm)	Order No.	Φ D	L (mm)	Order No.	Φ D	L (mm)
TAC4L-7500	3/4	4	TAC4L-13750	1 3/8	4	TAC4L-20000	2	4
TAC4L-8125	13/16	4	TAC4L-14375	1 7/16	4	TAC4L-20625	2 1/16	4
TAC4L-8750	7/8	4	TAC4L-15000	1 1/2	4	TAC4L-21250	2 1/8	4
TAC4L-9375	15/16	4	TAC4L-15625	1 9/16	4	TAC4L-21875	2 3/16	4
TAC4L-10000	1	4	TAC4L-16250	1 5/8	4	TAC4L-22500	2 1/4	4
TAC4L-10625	1 1/16	4	TAC4L-16875	1 11/16	4	TAC4L-23125	2 5/16	4
TAC4L-11250	1 1/8	4	TAC4L-17500	1 3/4	4	TAC4L-23750	2 3/8	4
TAC4L-11875	1 3/16	4	TAC4L-18125	1 13/16	4	TAC4L-24375	2 7/16	4
TAC4L-12500	1 1/4	4	TAC4L-18750	1 7/8	4	TAC4L-25000	2 1/2	4
TAC4L-13125	1 5/16	4	TAC4L-19375	1 15/16	4	TAC4L-25625	2 9/16	4