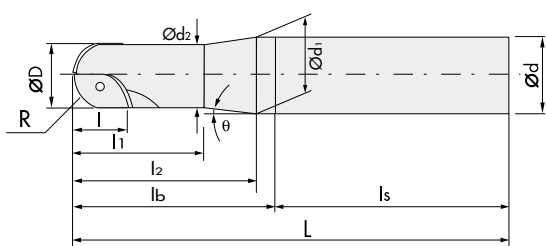
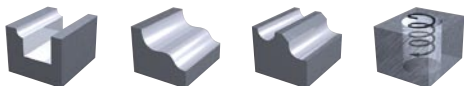


Indexable Milling Tools

BCF-S | Roughing Ball - Short

Q max High Efficient	▽ Roughing	▽▽ Semi-Finishing	HRC 50	No. of Teeth 2
--------------------------------	----------------------	-----------------------------	------------------	--------------------------



R	±0.05
ØD	0/-0.15

ID Code	Item Code	Flutes	ØD	R	L	Ød	l	l ₁	l ₂	l _b	l _s	θ°	Ød ₁	Ød ₂	Inserts x1	Inserts x1
FH034	BCF-2018S25S	2	20	10	140	25	18	30	52	60	80	5.7°	23.4	19	ZCEW100CE*	ZCEW100SE*
FH040	BCF-2523S32S		25	12.5	150	23	35	62	70	6.5°		30.1	24	ZCEW125CE*	ZCEW125SE*	
FH044	BCF-3028S32S		30	15	160	32	28	50	72	80		3.1°	31.2	28.8	ZCEW150CE*	ZCEW150SE*
FH383	BCF-3228S32S		32	16												

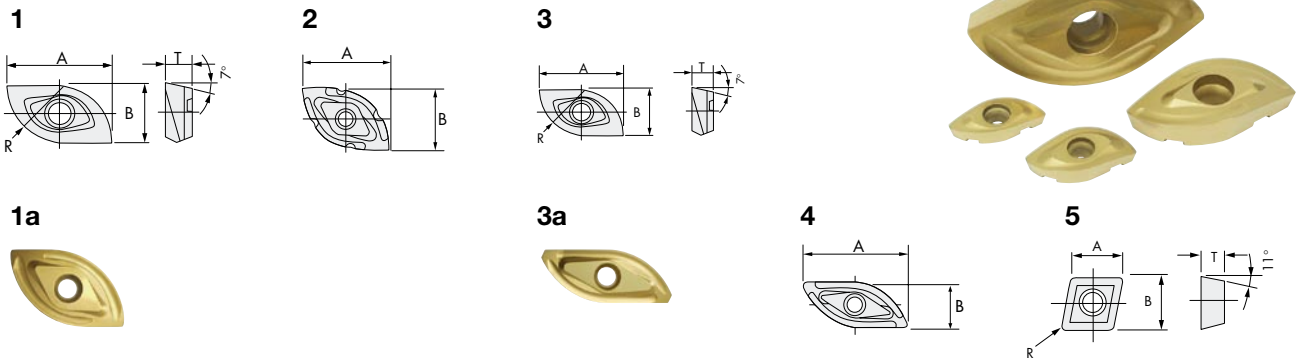
* or ZCET Inserts: p. 11



Parts	Clamp Screw		Wrench	
Body	ID-Code	Item-Code	ID-Code	Item-Code
BCF-2018S25S	ET034	261-141	ET011	104-T10
BCF-2523S32S	ET035	262-141	ET012	104-T15
BCF-3028S32S	ET036	263-141	ET014	105-T20
BCF-3228S32S	ET036	263-141	ET014	105-T20

Indexable Milling Tools

INSERTS | Roughing Ball



ID Code	Item Code	Grade	C-Coated		G-Coated	R	l(A)	T	W(B)	Figure
			CY250	CY9020	HC844					
WF583	ZCET100CE	CY9020		■		10	18.3	4.74	10	1a
WF132	ZCEW100CE	HC844			■					1
WF588	ZCET100SE	CY9020		■			16.7	4.24	8.1	3a
WF135	ZCEW100SE	HC844			■					3
WF584	ZCET125CE	CY9020		■		12.5	23.1	6.1	12.3	1a
WF138	ZCEW125CE	HC844			■					1
WF589	ZCET125SE	CY9020		■			20.8	5.4	9.3	3a
WF141	ZCEW125SE	HC844			■					3
WF585	ZCET150CE	CY9020		■		15	28.3	7.59	14.9	1a
WF144	ZCEW150CE	HC844			■					1
WF590	ZCET150SE	CY9020		■			25.7	7.09	11.8	3a
WF147	ZCEW150SE	HC844			■					3
WF586	ZCET160CE	CY9020		■		16	28.8	7.45	15.4	1a
WF539	ZCET160CE	HC844			■					1a
WF591	ZCET160SE	CY9020		■			26.3	6.96	12.4	3a
WF540	ZCET160SE	HC844			■					3a
WF514	ZCEW200CE	HC844			■	20	35.4	8	20.1	1
WF515	ZCEW200SE	HC844			■		31.9	7	15.7	3
WF587	ZCET250CE	CY250	■			25	38.8		26	2
WF512	ZCET250CE	HC844			■					45.03
WF592	ZCET250SK	CY250	■				18.95	4		
WF513	ZCET250SK	HC844			■					
WF025	CPMT080204	HC844			■	0.4	7.94	2.38	7.94	5
WF034	CPMT090308	HC844			■	0.8	9.525	3.18	9.525	5
WF041	CPMT120408	HC844			■	0.8	12.7	4.76	12.7	5

■ = Available insert and grade combination