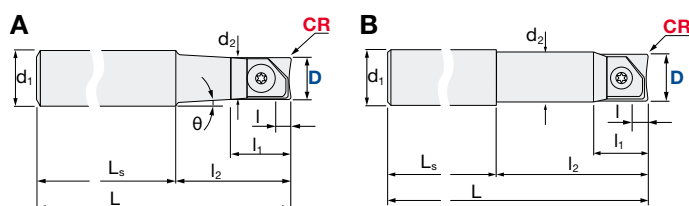
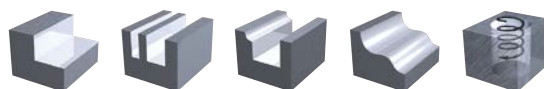


Indexable Milling Tools

ARPF | Radius High Precision Finish

V max High Speed	▽▽ Semi Finishing	▽▽▽ Finishing	HRC 62	No. of Teeth 2
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R	± 0.015
Set-up	± 0.010

ARPF-S Radius High Precision Finish - Regular

radius High Precision Finish - Regular														
ID Code	Item Code	Stock	Flutes	D	L	I	I ₁	I ₂	L _s	θ	d ₁	d ₂	Type	Inserts
FH399	ARPF-08S12	■	2	8	100	2.5	10	22	78	9.5°	12	7.5	A	ZCFW-080-R...
FH400	ARPF-10S12			10	100	3	13	25	75	3°		9.5		ZCFW-100-R...
FH401	ARPF-12S12			12	110	4	15	30	80	-		11.5		ZCFW-120-R...
FH402	ARPF-16S16			16	130	5	17	50			16	15.5	ZCFW-160-R...	
FH403	ARPF-20S20			20	140	6	21	60			20	19.5	ZCFW-200-R...	
FH464	ARPF-25S25			25	150	8	24	70			25	24.5	ZCFW-250-R...	
FH465	ARPF-32S32			32	160	10	30	80	32	31.5	ZCFW-320-R...			



ARPF-L Radius High Precision Finish - Long Neck

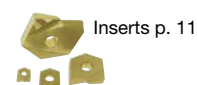
ARPF-L - Radius Flight Decision Finish - Long Neck														
ID Code	Item Code	Stock	Flutes	D	L	I	I ₁	I ₂	L _s	θ	d ₁	d ₂	Type	Inserts
FH404	ARPF-08S12L	■	2	8	130	2.5	10	50	80	3°	12	7.5	A	ZCFW-080-R...
FH405	ARPF-10S16L			10	150	3	13	50	100	4.5°	16	9.5		ZCFW-100-R...
FH406	ARPF-12S16L			12	160	4	15	60	100	2°	16	11.5		ZCFW-120-R...
FH407	ARPF-16S16L			16	165	5	17	65	100	-	16	15.5	B	ZCFW-160-R...
FH408	ARPF-20S20L			20	180	6	21	80	100		20	19.5		ZCFW-200-R...
FH466	ARPF-20S20L120			20	220	6	21	120	100		20	19.5		ZCFW-200-R...
FH467	ARPF-20S20L150			20	250	6	21	150	100		20	19.5		ZCFW-200-R...
FH468	ARPF-25S25L			25	200	8	24	90	110		25	24.5		ZCFW-250-R...
FH469	ARPF-25S32L150			25	250	8	24	150	100		32	24.5		ZCFW-250-R...



ARPF-E Radius High Precision Finish - Extra Long

ID Code	Item Code	Stock	Flutes	D	L	I	I ₁	I ₂	L _s	d ₁	d ₂	Inserts
FH409	ARPF-16S16E	■	2	16	200	5	17	65	135	16	15.5	ZCFW-160-R...
FH410	ARPF-20S20E			20	250	6	21	80	170	20	19.5	ZCFW-200-R...
FH471	ARPF-25S25E			25	300	8	24	90	210	25	24.5	ZCFW-250-R...

■ = Stock | Germany



Cutting Conditions		Page		Page	Clamp Screws & Wrenches	Page
ARPF D8 - 32	Semi Finishing	14-15	Finishing	14-15		10

Indexable Milling Tools | Grades Overview

INSERTS | Radius High Precision Finish

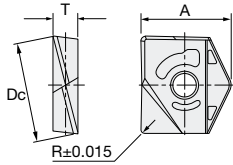


Fig. 1: ZCFW



					Grade		Geometry
Item Code	Size				PCA12M	PTH08M	
	Dc	R	A	T	ID Code		
ZCFW-080-03	8	0.3	9.7	2.1	WF551	WF286	Fig-1
ZCFW-080-05		0.5			WF605	WF287	
ZCFW-080-10		1.0			WF552	WF288	
ZCFW-100-03	10	0.3	12	2.7	WF553	WF289	
ZCFW-100-05		0.5			WF606	WF290	
ZCFW-100-10		1.0			WF554	WF291	
ZCFW-100-15		1.5			WF555	WF292	
ZCFW-100-20	12	2.0	14.6	3.2	WF556	WF293	
ZCFW-120-03		0.3			WF557	WF294	
ZCFW-120-05		0.5			WF607	WF295	
ZCFW-120-10		1.0			WF558	WF296	
ZCFW-120-15		1.5			WF559	WF297	
ZCFW-120-20	16	2.0	16.6	4.2	WF560	WF298	
ZCFW-120-30		3.0			WF652	WF299	
ZCFW-160-03		0.3			WF561	WF300	
ZCFW-160-05		0.5			WF608	WF301	
ZCFW-160-10	20	1.0	19.9	5.2	WF562	WF302	
ZCFW-160-15		1.5			WF563	WF303	
ZCFW-160-20		2.0			WF564	WF304	
ZCFW-160-30		3.0			WF653	WF305	
ZCFW-200-03	25	0.3	22.6	6.2	WF565	WF306	
ZCFW-200-05		0.5			WF609	WF307	
ZCFW-200-10		1.0			WF566	WF308	
ZCFW-200-15		1.5			WF567	WF309	
ZCFW-200-20		2.0			WF568	WF310	
ZCFW-200-30	32	3.0	27.2	7.2	WF654	WF311	
ZCFW-250-03		0.3			WF610	WF312	
ZCFW-250-05		0.5			WF611	WF313	
ZCFW-250-10		1.0			WF612	WF314	
ZCFW-250-20		2.0			WF613	WF315	
ZCFW-250-30		3.0			WF655	WF316	
ZCFW-320-03		0.3			WF614	WF317	
ZCFW-320-05	32	0.5	27.2	7.2	WF615	WF318	
ZCFW-320-10		1.0			WF616	WF319	
ZCFW-320-20		2.0			WF617	WF320	
ZCFW-320-30		3.0			WF656	WF321	

