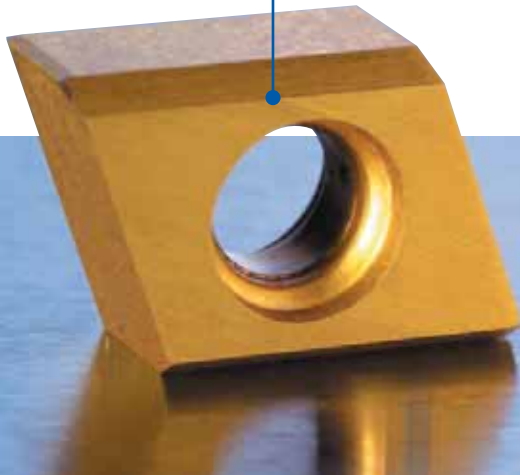


Insert with two cutting edges (WSP)



Inserts for TFB

ø 60 - 119,9 mm

WSP for TFB 100/110 and TFB 200/210

Description	Lead geometry	Carbide uncoated	Carbide coated			Cermet uncoated	Cermet coated	PCD	ap max.* 0.5 mm
		H	YF	W2	EE	CT5	VZ	D	
FTXW 0905MG P01L00B030	30°		30139570			30139576	30139574		P Steel R _m ≤ 500
FTXW 0905MC P01L00B030	45°		30139652			30139564	<u>30139566</u>		
FTXW 0905MG P31L00B030	30°		30158769			30158771	30158773		
FTXW 0905MC P31L00B030	45°		30158770			30158772	<u>30158774</u>		
FTXW 0905MG P71L00B030	30°		30158775			30158777	30158779		
FTXW 0905MC P71L00B030	45°		30158776			30158778	<u>30158780</u>		
FTXW 0905MG M01L00B030	30°		30146571						M Stainless Steel
FTXW 0905MC M01L00B030	45°		<u>30156572</u>						
FTXW 0905MG K00L00B030	30°	30139568	30156574	30139572					K Grey cast iron
FTXW 0905MC K00L00B030	45°	30140559	30156575	<u>30140580</u>					
FTXW 0905MG K00L00B030	30°	30139568					30156577		
FTXW 0905MC K00L00B030	45°	30140559					<u>30156578</u>		
FTXW 0905MC K00L00B030	30°	30139568				30156580			
FTXW 0905MC K00L00B030	45°	30140559				<u>30156581</u>			
FTXW 0905MG K00L00B030	30°				30140957				
FTXW 0905MC K00L00B030	45°				<u>30140958</u>				
FTXW 0905MC N00L00B030	45°	30156583					30140588		N Non-ferrous metals Alu < 7% Si content
FTXW 0905MA N00L00B030	75°	<u>30156584</u>					30139579		
FTXW 0905MC N31L00B030	45°	30158781					30158783		
FTXW 0905MA N31L00B030	75°	<u>30158782</u>					30158784		

PCBN on request

* Shoulder cut on request

Ex stock (1st choice)

Selection of cutting materials see page 21.

MAPAL tangential fine boring tools TFB

Description	WSP for TFB 100/110 and TFB 200/210							ø 120 - 179,99 mm	
	Lead geometry	Carbide uncoated H	Carbide coated			Cermets uncoated CT5	Cermets coated VZ	PCD D	ap max.* 0.5 mm
			YF	W2	EE				
FTXW 0905MG P01L00B060	30°		30139588			30139594	30139592		Steel R _m ≤ 500
FTXW 0905MC P01L00B060	45°		30139580			30139582	<u>30139584</u>		Steel R _m ≤ 500
FTXW 0905MG P31L00B060	30°		30158785			30158787	30158789		Steel R _m 500-900
FTXW 0905MC P31L00B060	45°		30158786			30158788	<u>30158790</u>		Steel R _m 500-900
FTXW 0905MG P71L00B060	30°		30158791			30158793	30158795		Steel R _m > 900
FTXW 0905MC P71L00B060	45°		30158792			30158794	<u>30158796</u>		Steel R _m > 900
FTXW 0905MG M01L00B060	30°		30156585						Stainless Steel
FTXW 0905MC M01L00B060	45°		<u>30156586</u>						Stainless Steel
FTXW 0905MG K00L00B060	30°	30139586	30156588	30139590					Grey cast iron
FTXW 0905MC K00L00B060	45°	30140584	30156589	<u>30140585</u>					Grey cast iron
FTXW 0905MG K00L00B060	30°	30139586					30156591		SGI 40
FTXW 0905MC K00L00B060	45°	30140584					<u>30156592</u>		SGI 40
FTXW 0905MG K00L00B060	30°	30139568				30156594			SGI 60
FTXW 0905MC K00L00B060	45°	30140584				<u>30156595</u>			SGI 60
FTXW 0905MG K00L00B060	30°				30140960				CGI
FTXW 0905MC K00L00B060	45°				<u>30140961</u>				CGI
FTXW 0905MC N00L00B060	45°	30156597						30140582	Non-ferrous metals Alu < 7% Si content
FTXW 0905MA N00L00B060	75°	<u>30156598</u>						30139623	Non-ferrous metals Alu < 7% Si content
FTXW 0905MC N31L00B060	45°	30158797						30158799	Non-ferrous metals Alu > 7% Si content
FTXW 0905MA N31L00B060	75°	<u>30158798</u>						30158800	Non-ferrous metals Alu > 7% Si content

MAPAL tangential fine boring tools TFB

ø 180 - 280 mm		WSP for TFB 200/210							ap max.* 0.5 mm	
Description	Lead geometry	Carbide uncoated	Carbide coated			Cermet uncoated	Cermet coated	PCD		
		H	YF	W2	EE	CT5	VZ	D		
FTXW 0905MG P01L00B090	30°		30139605				30139611	30139609	P Steel R _m ≤ 500	
FTXW 0905MC P01L00B090	45°		30139597				30139599	<u>30139601</u>		Steel R _m ≤ 500
FTXW 0905MG P31L00B090	30°		30158801				30158803	30158805		Steel R _m 500-900
FTXW 0905MC P31L00B090	45°		30158802				30158804	<u>30158806</u>		Steel R _m 500-900
FTXW 0905MG P71L00B090	30°		30158807				30158809	30158811		Steel R _m > 900
FTXW 0905MC P71L00B090	45°		30158808				30158810	<u>30158812</u>		Steel R _m > 900
FTXW 0905MG M01L00B090	30°		30156599						M Stainless Steel	
FTXW 0905MC M01L00B090	45°		<u>30156600</u>						Stainless Steel	
FTXW 0905MG K00L00B090	30°	30139603	30156602	30139607					K Grey cast iron	
FTXW 0905MC K00L00B090	45°	30140586	30156603	<u>30140587</u>					Grey cast iron	
FTXW 0905MG K00L00B090	30°	30139603						30156605	SGI 40	
FTXW 0905MC K00L00B090	45°	30140586						<u>30156606</u>	SGI 40	
FTXW 0905MG K00L00B090	30°	30139603					30156608		SGI 60	
FTXW 0905MC K00L00B090	45°	30140586					<u>30156609</u>		SGI 60	
FTXW 0905MG K00L00B090	30°				30140963				CGI	
FTXW 0905MC K00L00B090	45°				<u>30140964</u>				CGI	
FTXW 0905MC N00L00B090	45°	30156611							N Non-ferrous metals Alu < 7% Si content	
FTXW 0905MA N00L00B090	75°	<u>30156612</u>							30140583	Non-ferrous metals Alu < 7% Si content
FTXW 0905MC N31L00B090	45°	30158813							30139624	Non-ferrous metals Alu > 7% Si content
FTXW 0905MA N31L00B090	75°	<u>30158814</u>							30158815	Non-ferrous metals Alu > 7% Si content
									30158816	Non-ferrous metals Alu > 7% Si content

Selection of cutting materials for the TFB series								
Material to be machined	Cutting material code							
	H	YF	W2	EE	CT5	VZ	CBN	D
Steel	P	<input type="checkbox"/>			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Stainless steel	M	<input checked="" type="checkbox"/>						
Grey cast iron		<input type="checkbox"/>	<input checked="" type="checkbox"/>				<input type="checkbox"/>	
SGI 40						<input checked="" type="checkbox"/>		
SGI 60	K	<input type="checkbox"/>			<input checked="" type="checkbox"/>			
CGI				<input checked="" type="checkbox"/>				
Non-ferrous metals	N	<input type="checkbox"/>						<input checked="" type="checkbox"/>

1 st choice	Alternative
<input checked="" type="checkbox"/>	<input type="checkbox"/>

PCBN on request

* Shoulder cut on request

Ex stock (1st choice)

