



# CHIPSURFER™

MILLING PRODUCTS

**Product Series:**

18T, 18R, 18N, 18S, 18V  
17T, 17R, 17N  
16T, 16R, 16N

**Grades Phased Out:**

IN1030, IN1530

**Grade Phased In:**

IN2005

**Materials:**

Iron, Steel, Stainless Steel,  
Hard Steel, Hi-Temp Alloys,  
Titanium, Aluminum

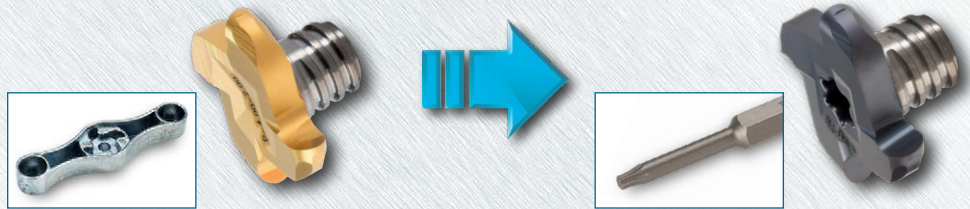


## Driver Transition

Special Wrench

to

Standard Torx Drive



## ChipSurfer Grade & Driver Transition

Ingersoll is expanding the application range of our ChipSurfer T-Slot-Style tips by transitioning the grade and drive system.

- Grade IN2005 improves wear resistance, particularly when machining hardened steel, stainless steel & iron. It is the same grade used with most ChipSurfer end mill and drill tips.
- 3- and 4-flute tips will change from a KEY to a TORX drive system. Torx is already used on 6-flute tips.
- Torx allows better access to index tips in gang set-ups (Swiss-Type Machines).
- Torx bits can be used with Torque Wrenches.

As a result of these advantages, grades IN1030 and IN1530 are being phased out as stock is depleted. A complete list of old and new items is included in this announcement.



**CHIPSURFER™ GRADE TRANSITION: SERIES 18T**

IN1030/IN1530 PHASE OUT			➡	IN2005 PHASE IN		
Item Number	Part Number			Item Number	Part Number	
			➡			
5840394	18T-5012TQRN01	IN1030	➡	2931911	18T-5012TQRN01	IN2005
5840390	18T-5006TQRN00	IN1030	➡	2931545	18T-5006TQRN00	IN2005
5840391	18T-5007TQRN00	IN1030	➡	2931910	18T-5007TQRN00	IN2005
5811074	18T-6205T6N02	IN1030	➡	2931912	18T-6205T6RN02	IN2005
5840537	18T-6206T6RN01	IN1030	➡	2931913	18T-6206T6RN01	IN2005
5811075	18T-6206T6RN02	IN1030	➡	2931914	18T-6206T6RN02	IN2005
5840262	18T-6208T6RN01	IN1030	➡	2931915	18T-6208T6RN01	IN2005
5811076	18T-6208T6RN02	IN1030	➡	2931916	18T-6208T6RN02	IN2005
5820567	18T-6210T6RN01	IN1030	➡	2931917	18T-6210T6RN01	IN2005
5840263	18T-6212T6RN01	IN1030	➡	2931918	18T-6212T6RN01	IN2005
5840264	18T-6216T6RN01	IN1030	➡	2931919	18T-6216T6RN01	IN2005
5840265	18T-7516T8RN01	IN1030	➡	2931920	18T-7516T8RN01	IN2005
5840266	18T-7519T8RN01	IN1030	➡	2931921	18T-7519T8RN01	IN2005
5840267	18T-7525T8RN01	IN1030	➡	2931922	18T-7525T8RN01	IN2005
5840521	18T-8718T8RN01	IN1030	➡	2931923	18T-8718T8RN01	IN2005
5840522	18T-8725T8RN01	IN1030	➡	2931682	18T-8725T8RN01	IN2005
5840523	18T-8731T8RN01	IN1030	➡	2931924	18T-8731T8RN01	IN2005
5812117	18T-10018TRRN02	IN1030	➡	2931925	18T-1018TRRN02	IN2005
5812118	18T-10025TRRN02	IN1030	➡	2931926	18T-1025TRRN02	IN2005
2927965	18T-10037TRRN02	IN1030	➡	2931927	18T-1037TRRN02	IN2005





**CHIPSURFER™ GRADE TRANSITION: SERIES 18T**



IN1030/IN1530 PHASE OUT			➡	IN2005 PHASE IN		
Item Number	Part Number			Item Number	Part Number	
			➡			
5840395	18T13530TQRN04	IN1030	➡	2931934	18T13530TQRN04	IN2005
5840396	18T13540TQRN04	IN1030	➡	2931935	18T13540TQRN04	IN2005
5840392	18T13520TQRN00	IN1030	➡	2931936	18T13520TQRN00	IN2005
5840393	18T13525TQRN00	IN1030	➡	2931937	18T13525TQRN00	IN2005
5840224	18T16020T6RN04	IN1030	➡	3040294	18T16020T6RN04	IN2005
5840225	18T16030T6RN04	IN1030	➡	2931938	18T16030T6RN04	IN2005
5840226	18T16040T6RN04	IN1030	➡	2931939	18T16040T6RN04	IN2005
5840227	18T16520T6RN04	IN1030	➡	2931940	18T16520T6RN04	IN2005
5840228	18T16530T6RN04	IN1030	➡	2931941	18T16530T6RN04	IN2005
5840229	18T16540T6RN04	IN1030	➡	2931942	18T16540T6RN04	IN2005
5840230	18T19540T8RN04	IN1030	➡	2931943	18T19540T8RN04	IN2005
5840231	18T19550T8RN04	IN1030	➡	2931944	18T19550T8RN04	IN2005
5605592	18T19560T6RN04	IN1030	➡	2931945	18T19560T6RN04	IN2005
5840232	18T19560T8RN04	IN1030	➡	2931946	18T19560T8RN04	IN2005
5840397	18T22550T8RN04	IN1030	➡	2931947	18T22550T8RN04	IN2005
5840398	18T22560T8RN04	IN1030	➡	2931948	18T22560T8RN04	IN2005
5840399	18T22580T8RN04	IN1030	➡	2931949	18T22580T8RN04	IN2005
3759807	18T25050T8RN04	IN1030	➡	2931950	18T25050T8RN04	IN2005
5840400	18T25050TRRN04	IN1030	➡	2931951	18T25050TRRN04	IN2005
5873271	18T25060T8RN04	IN1030	➡	2931952	18T25060T8RN04	IN2005
5840401	18T25060TRRN04	IN1030	➡	2931953	18T25060TRRN04	IN2005
5873272	18T25080T8RN04	IN1030	➡	2931954	18T25080T8RN04	IN2005
5840402	18T25080TRRN04	IN1030	➡	2931955	18T25080TRRN04	IN2005
5873251	18T27725TRRN02	IN1530	➡	2931995	18T27725TRRN02	IN2005
5873252	18T27752TRRN02	IN1530	➡	2931996	18T27752TRRN02	IN2005
5873253	18T27799TRRN02	IN1530	➡	2931997	18T27799TRRN02	IN2005



**CHIPSURFER™ GRADE TRANSITION: SERIES 18R**



IN1530 PHASE OUT			➡	IN2005 PHASE IN		
Item Number	Part Number			Item Number	Part Number	
			➡			
2928028	18T27770TRRP35	IN1530		2931998	18R27770TRRP35	IN2005

**CHIPSURFER™ GRADE TRANSITION: SERIES 18N**



IN1030/IN1530 PHASE OUT			➡	IN2005 PHASE IN		
Item Number	Part Number			Item Number	Part Number	
			➡			
5840319	18T-6216T6RN06	IN1030		2932124	18N-6216T6RN06	IN2005
3759867	17N27798TRRK40	IN1530	2931999	18N27798TRRK40	IN2005	



**CHIPSURFER™ GRADE TRANSITION: SERIES 18S**

IN1530 PHASE OUT			➡	IN2005 PHASE IN		
Item Number	Part Number			Item Number	Part Number	
			➡			
2927853	18S27789TRRP30	IN1530		2932004	18S27789TRRP30	IN2005
2927852	18S27773TRRP20	IN1530	➡	2932003	18S27773TRRP20	IN2005
2927850	18S27799TRRP40	IN1530	➡	2931688	18S27799TRRP40	IN2005
2927851	18S27756TRRP10	IN1530	➡	2932002	18S27756TRRP10	IN2005

**CHIPSURFER™ GRADE TRANSITION: SERIES 18V**

IN1530 PHASE OUT			➡	IN2005 PHASE IN		
Item Number	Part Number			Item Number	Part Number	
			➡			
2927959	18V02750TRRA45	IN1530		2932000	18V27750TRRP45	IN2005
2927967	18V02778TRRA60	IN1530	➡	2932005	18V27778TRRP60	IN2005
2928027	18V02710TRRA75	IN1530	➡	2932001	18V27710TRRP75	IN2005





**CHIPSURFER™ GRADE TRANSITION: SERIES 17T**



IN1530 PHASE OUT				➡	IN2005 PHASE IN			
Item Number	Part Number				Item Number	Part Number		
				➡				
5873297	17T21707T8RK00	IN1530	IN1530	➡	2931869	17T21707T8RK00	IN2005	IN2005
5873298	17T21708T8RK00	IN1530	IN1530	➡	2931870	17T21708T8RK00	IN2005	IN2005
5873299	17T21709T8RK00	IN1530	IN1530	➡	2931871	17T21709T8RK00	IN2005	IN2005
5873300	17T21710T8RK00	IN1530	IN1530	➡	2931872	17T21710T8RK00	IN2005	IN2005
5873301	17T21712T8RK00	IN1530	IN1530	➡	2931873	17T21712T8RK00	IN2005	IN2005
5873302	17T21714T8RK00	IN1530	IN1530	➡	2931874	17T21714T8RK00	IN2005	IN2005
5873303	17T21715T8RK00	IN1530	IN1530	➡	2931875	17T21715T8RK00	IN2005	IN2005
5873304	17T21717T8RK01	IN1530	IN1530	➡	2931876	17T21717T8RK01	IN2005	IN2005
5873305	17T21719T8RK02	IN1530	IN1530	➡	2931877	17T21719T8RK02	IN2005	IN2005
5873306	17T21720T8RK02	IN1530	IN1530	➡	2931878	17T21720T8RK02	IN2005	IN2005
5873307	17T21722T8RK02	IN1530	IN1530	➡	2931879	17T21722T8RK02	IN2005	IN2005
5873308	17T21723T8RK02	IN1530	IN1530	➡	2931880	17T21723T8RK02	IN2005	IN2005
5873310	17T21725T8RK02	IN1530	IN1530	➡	2931881	17T21725T8RK02	IN2005	IN2005
5873311	17T21727T8RK02	IN1530	IN1530	➡	2931882	17T21727T8RK02	IN2005	IN2005
5873312	17T21730T8RK02	IN1530	IN1530	➡	2931883	17T21730T8RK02	IN2005	IN2005
5873313	17T21731T8RK02	IN1530	IN1530	➡	2931884	17T21731T8RK02	IN2005	IN2005
5873314	17T21732T8RK02	IN1530	IN1530	➡	2931885	17T21732T8RK02	IN2005	IN2005
5873315	17T21740T8RK02	IN1530	IN1530	➡	2931886	17T21740T8RK02	IN2005	IN2005
5873316	17T21742T8RK02	IN1530	IN1530	➡	2931887	17T21742T8RK02	IN2005	IN2005
5873318	17T21747T8RK02	IN1530	IN1530	➡	2931888	17T21747T8RK02	IN2005	IN2005
5873319	17T21752T8RK02	IN1530	IN1530	➡	2931889	17T21752T8RK02	IN2005	IN2005
5873320	17T21710T8RP00	IN1530	IN1530	➡	2931890	17T21710T8RP00	IN2005	IN2005
5873321	17T21717T8RP01	IN1530	IN1530	➡	2931891	17T21717T8RP01	IN2005	IN2005
5873322	17T21720T8RP02	IN1530	IN1530	➡	2931892	17T21720T8RP02	IN2005	IN2005
5873323	17T21725T8RP02	IN1530	IN1530	➡	2931893	17T21725T8RP02	IN2005	IN2005
5873324	17T21730T8RP02	IN1530	IN1530	➡	2931894	17T21730T8RP02	IN2005	IN2005
5873325	17T21740T8RP02	IN1530	IN1530	➡	2931895	17T21740T8RP02	IN2005	IN2005



**CHIPSURFER™ GRADE TRANSITION: SERIES 17R**

IN1530 PHASE OUT			➡	IN2005 PHASE IN		
Item Number	Part Number			Item Number	Part Number	
			➡			
5873513	17T21740T8RP20	IN1530	➡	2931896	17R21740T8RP20	IN2005
2927989	17T21760T8RK30	IN1530	➡	2931897	17R21760T8RK30	IN2005

**CHIPSURFER™ GRADE TRANSITION: SERIES 17N**

IN1530 PHASE OUT			➡	IN2005 PHASE IN		
Item Number	Part Number			Item Number	Part Number	
			➡			
5840234	17N21755T8RK17	IN1530	➡	2931902	17N21755T8RK17	IN2005
5840269	17N21755T8RP17	IN1530	➡	2931898	17N21755T8RP17	IN2005





**CHIPSURFER™ GRADE TRANSITION: SERIES 16T**

IN1530 PHASE OUT			➡	IN2005 PHASE IN		
Item Number	Part Number			Item Number	Part Number	
			➡			
5873273	16T15715T6RK01	IN1530	➡	2931961	16T15715T6RK01	IN2005
5873274	16T15715T6RK02	IN1530	➡	2931962	16T15715T6RK02	IN2005
5873275	16T15720T6RK02	IN1530	➡	2931963	16T15720T6RK02	IN2005
5873276	16T15724T6RK02	IN1530	➡	2931964	16T15724T6RK02	IN2005
5873277	16T15725T6RK02	IN1530	➡	2931965	16T15725T6RK02	IN2005
5873278	16T15730T6RK02	IN1530	➡	2931966	16T15730T6RK02	IN2005
5873279	16T15731T6RK02	IN1530	➡	2931967	16T15731T6RK02	IN2005
5873290	16T15715T6RP01	IN1530	➡	2931968	16T15715T6RP01	IN2005
5873292	16T15730T6RP020	IN1530	➡	2931970	16T15730T6RP02	IN2005
5812730	16T17712T6RK00	IN1530	➡	2931971	16T17712T6RK00	IN2005
5872738	16T17714T6RK00	IN1530	➡	2931972	16T17714T6RK00	IN2005
5873280	16T17715T6RK01	IN1530	➡	2931973	16T17715T6RK01	IN2005
5873281	16T17715T6RK02	IN1530	➡	2931974	16T17715T6RK02	IN2005
5873282	16T17717T6RK00	IN1530	➡	2931975	16T17717T6RK00	IN2005
5873283	16T17720T6RK02	IN1530	➡	2931976	16T17720T6RK02	IN2005
5873284	16T17723T6RK02	IN1530	➡	2931977	16T17723T6RK02	IN2005
5873286	16T17725T6RK02	IN1530	➡	2931978	16T17725T6RK02	IN2005
5873288	16T17730T6RK02	IN1530	➡	2931979	16T17730T6RK02	IN2005
5873289	16T17731T6RK02	IN1530	➡	2931980	16T17731T6RK02	IN2005







**CHIPSURFER™ GRADE TRANSITION SERIES: 16R**

IN1530 PHASE OUT			➡	IN2005 PHASE IN		
Item Number	Part Number			Item Number	Part Number	
			➡			
5873291	16T15722T6RP11	IN1530		➡	2931969	16R15722T6RP11
5873293	16T17712T6RP06	IN1530	➡	2931981	16R17712T6RP06	IN2005
5873294	16T17720T6RN10	IN1530	➡	2931982	16R17720T6RN10	IN2005
5873295	16T17722T6RP11	IN1530	➡	2931983	16R17722T6RP11	IN2005
5873296	16T17730T6RP15	IN1530	➡	2931984	16R17730T6RP15	IN2005

**CHIPSURFER™ GRADE TRANSITION SERIES: 16N**

IN1530 PHASE OUT			➡	IN2005 PHASE IN		
Item Number	Part Number			Item Number	Part Number	
			➡			
5840233	16N17734T6RK14	IN1530		➡	3040295	16N17734T6RK14
5840268	16N17734T6RP14	IN1530	➡	2931985	16N17734T6RP14	IN2005