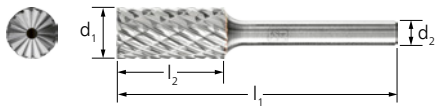


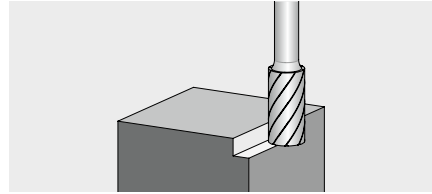
TC burrs for high-performance applications

ALLROUND cut for versatile use



Cylindrical shape ZYAS with end cut

Cylindrical burrs according to DIN 8032 with circumferential and end cut for versatile, economical and time-saving use on steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron. Also available with wear-resistant HICOAT coating.



Special features:

- 30% higher stock removal rate when used on steel than conventional cross-cut burrs.
- Comfortable working thanks to reduced vibration and less noise.
- There is reduced wear on the tool drive due to impact-free work without chatter marks, thanks to the high concentricity.

d ₁ [mm]	l ₂ [mm]	d ₂ [mm]	l ₁ [mm]	Cut		Item no.	Designation
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Small tungsten carbide burrs

3	13	3	43	ALLROUND HC-FEP	1	21001087	ZYAS 0313/3 ALLROUND HC-FEP
6	13	3	43	ALLROUND HC-FEP	1	21001088	ZYAS 0613/3 ALLROUND HC-FEP
3	13	3	43	ALLROUND	1	21001061	ZYAS 0313/3 ALLROUND
6	13	3	43	ALLROUND	1	21001062	ZYAS 0613/3 ALLROUND

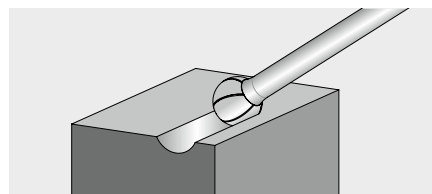
Tungsten carbide burrs

6	16	6	55	ALLROUND HC-FEP	1	21001081	ZYAS 0616/6 ALLROUND HC-FEP
				ALLROUND	1	21001000	ZYAS 0616/6 ALLROUND
8	20	6	60	ALLROUND	1	21001001	ZYAS 0820/6 ALLROUND
10	20	6	60	ALLROUND	1	21001002	ZYAS 1020/6 ALLROUND
				ALLROUND HC-FEP	1	21001043	ZYAS 1020/6 ALLROUND HC-FEP
12	25	6	65	ALLROUND	1	21001003	ZYAS 1225/6 ALLROUND
				ALLROUND HC-FEP	1	21001044	ZYAS 1225/6 ALLROUND HC-FEP
16	25	6	65	ALLROUND	1	21001004	ZYAS 1625/6 ALLROUND



Ball shape KUD

Ball-shaped burr according to DIN 8032 for versatile, economical and time-saving use on steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron. Also available with wear-resistant HICOAT coating.



Special features:

- 30% higher stock removal rate when used on steel than conventional cross-cut burrs.
- Comfortable working thanks to reduced vibration and less noise.
- There is reduced wear on the tool drive due to impact-free work without chatter marks, thanks to the high concentricity.

d ₁ [mm]	l ₂ [mm]	d ₂ [mm]	l ₁ [mm]	Cut		Item no.	Designation
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Small tungsten carbide burrs

3	2	3	33	ALLROUND HC-FEP	1	21001089	KUD 0302/3 ALLROUND HC-FEP
4	3	3	45	ALLROUND HC-FEP	1	21001090	KUD 0403/3 ALLROUND HC-FEP
6	5	3	35	ALLROUND HC-FEP	1	21001091	KUD 0605/3 ALLROUND HC-FEP
3	2	3	33	ALLROUND	1	21001063	KUD 0302/3 ALLROUND
4	3	3	34	ALLROUND	1	21001064	KUD 0403/3 ALLROUND
6	5	3	35	ALLROUND	1	21001065	KUD 0605/3 ALLROUND

Tungsten carbide burrs

6	5	6	45	ALLROUND HC-FEP	1	21001084	KUD 0605/6 ALLROUND HC-FEP
				ALLROUND	1	21001005	KUD 0605/6 ALLROUND

Continued on next page

TC burrs for high-performance applications

ALLROUND cut for versatile use



2

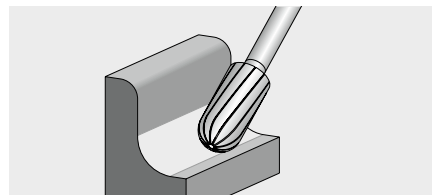


d_1 [mm]	l_2 [mm]	d_2 [mm]	l_1 [mm]	Cut		Item no.	Designation
8	7	6	47	ALLROUND	1	21001006	KUD 0807/6 ALLROUND
10	9	6	49	ALLROUND	1	21001007	KUD 1009/6 ALLROUND
				ALLROUND HC-FEP	1	21001045	KUD 1009/6 ALLROUND HC-FEP
12	10	6	51	ALLROUND	1	21001008	KUD 1210/6 ALLROUND
				ALLROUND HC-FEP	1	21001046	KUD 1210/6 ALLROUND HC-FEP
16	14	6	54	ALLROUND	1	21001009	KUD 1614/6 ALLROUND



Cylindrical shape with radius end WRC

Cylindrical burr with radius end according to DIN 8032 for versatile, economical and time-saving use on steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron. Also available with wear-resistant HICOAT coating.



Special features:

- 30% higher stock removal rate when used on steel than conventional cross-cut burrs.
- Comfortable working thanks to reduced vibration and less noise.
- There is reduced wear on the tool drive due to impact-free work without chatter marks, thanks to the high concentricity.

d_1 [mm]	l_2 [mm]	d_2 [mm]	l_1 [mm]	Cut		Item no.	Designation
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Small tungsten carbide burrs

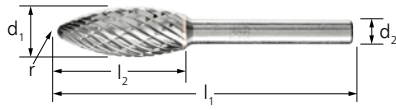
3	13	3	43	ALLROUND HC-FEP	1	21001092	WRC 0313/3 ALLROUND HC-FEP
6	13	3	43	ALLROUND HC-FEP	1	21001093	WRC 0613/3 ALLROUND HC-FEP
3	13	3	43	ALLROUND	1	21001066	WRC 0313/3 ALLROUND
6	13	3	43	ALLROUND	1	21001067	WRC 0613/3 ALLROUND

Tungsten carbide burrs

12	16	6	55	ALLROUND HC-FEP	1	21001082	WRC 0616/6 ALLROUND HC-FEP
6	16	6	55	ALLROUND	1	21001010	WRC 0616/6 ALLROUND
8	20	6	60	ALLROUND	1	21001011	WRC 0820/6 ALLROUND
10	20	6	60	ALLROUND	1	21001012	WRC 1020/6 ALLROUND
				ALLROUND HC-FEP	1	21001047	WRC 1020/6 ALLROUND HC-FEP
12	25	6	65	ALLROUND	1	21001013	WRC 1225/6 ALLROUND
				ALLROUND HC-FEP	1	21001048	WRC 1225/6 ALLROUND HC-FEP
16	25	6	65	ALLROUND	1	21001014	WRC 1625/6 ALLROUND

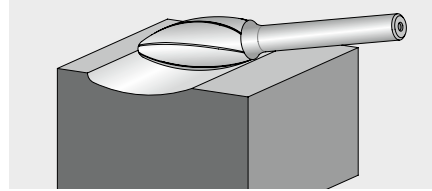
TC burrs for high-performance applications

ALLROUND cut for versatile use



Flame-shaped B

Flame-shaped burr according to ISO 775/8 for versatile, economical and time-saving use on steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron. Also available with wear-resistant HICOAT coating.



Special features:

- 30% higher stock removal rate when used on steel than conventional cross-cut burrs.
- Comfortable working thanks to reduced vibration and less noise.
- There is reduced wear on the tool drive due to impact-free work without chatter marks, thanks to the high concentricity.

d_1 [mm]	l_2 [mm]	d_2 [mm]	l_1 [mm]	r [mm]	Cut		Item no.	Designation
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Small tungsten carbide burrs

3	7	3	37	0.8	ALLROUND HC-FEP	1	21001094	B 0307/3 ALLROUND HC-FEP
6	16	3	43	1	ALLROUND HC-FEP	1	21001095	B 0613/3 ALLROUND HC-FEP
3	7	3	37	0.8	ALLROUND	1	21001068	B 0307/3 ALLROUND
6	13	3	43	1	ALLROUND	1	21001069	B 0613/3 ALLROUND

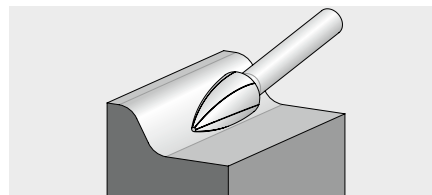
Tungsten carbide burrs

8	20	6	60	1.5	ALLROUND	1	21001015	B 0820/6 ALLROUND
10	25	6	65	1.7	ALLROUND	1	21001016	B 1025/6 ALLROUND
					ALLROUND HC-FEP	1	21001049	B 1025/6 ALLROUND HC-FEP
12	30	6	70	2.1	ALLROUND	1	21001017	B 1230/6 ALLROUND
					ALLROUND HC-FEP	1	21001050	B 1230/6 ALLROUND HC-FEP
16	35	6	75	2.6	ALLROUND	1	21001018	B 1635/6 ALLROUND



Pointed tree shape SPG Z5 HC-FEP

Pointed tree-shaped burr according to DIN 8032 with flattened tip for versatile, economical and time-saving use on steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron. Also available with wear-resistant HICOAT coating.



Special features:

- 30% higher stock removal rate when used on steel than conventional cross-cut burrs.
- Comfortable working thanks to reduced vibration and less noise.
- There is reduced wear on the tool drive due to impact-free work without chatter marks, thanks to the high concentricity.

d_1 [mm]	l_2 [mm]	d_2 [mm]	l_1 [mm]	Cut		Item no.	Designation
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Small tungsten carbide burrs

3	7	3	37	ALLROUND HC-FEP	1	21001096	SPG 0307/3 ALLROUND HC-FEP
	13	3	43	ALLROUND HC-FEP	1	21001097	SPG 0313/3 ALLROUND HC-FEP
6	13	3	43	ALLROUND HC-FEP	1	21001098	SPG 0613/3 ALLROUND HC-FEP
3	7	3	37	ALLROUND	1	21001070	SPG 0307/3 ALLROUND
	13	3	43	ALLROUND	1	21001071	SPG 0313/3 ALLROUND
6	13	3	43	ALLROUND	1	21001072	SPG 0613/3 ALLROUND

Tungsten carbide burrs

6	18	6	55	ALLROUND HC-FEP	1	21001085	SPG 0618/6 ALLROUND HC-FEP
				ALLROUND	1	21001019	SPG 0618/6 ALLROUND
8	20	6	60	ALLROUND	1	21001020	SPG 0820/6 ALLROUND
10	20	6	60	ALLROUND	1	21001021	SPG 1020/6 ALLROUND

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TC burrs for high-performance applications

ALLROUND cut for versatile use



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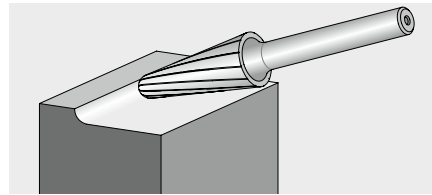


d_1 [mm]	l_2 [mm]	d_2 [mm]	l_1 [mm]	Cut		Item no.	Designation
10	20	6	60	ALLROUND HC-FEP	1	21001051	SPG 1020/6 ALLROUND HC-FEP
12	25	6	65	ALLROUND	1	21001022	SPG 1225/6 ALLROUND
				ALLROUND HC-FEP	1	21001052	SPG 1225/6 ALLROUND HC-FEP
16	30	6	70	ALLROUND	1	21001023	SPG 1630/6 ALLROUND



Conical shape with radius end KEL

Conical burr with round radius end according to DIN 8032 for versatile, economical and time-saving use on steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron. Also available with wear-resistant HICOAT coating.



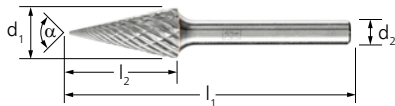
Special features:

- 30% higher stock removal rate when used on steel than conventional cross-cut burrs.
- Comfortable working thanks to reduced vibration and less noise.
- There is reduced wear on the tool drive due to impact-free work without chatter marks, thanks to the high concentricity.

d_1 [mm]	l_2 [mm]	d_2 [mm]	l_1 [mm]	α [°]	r [mm]	Cut		Item no.	Designation
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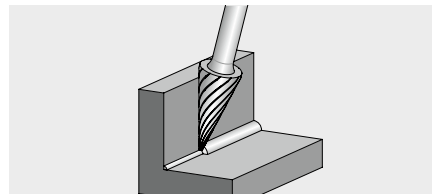
Tungsten carbide burrs

8	20	6	60	16	1.25	ALLROUND	1	21001025	KEL 0820/6 ALLROUND
10	20	6	60	14	2.9	ALLROUND	1	21001026	KEL 1020/6 ALLROUND
						ALLROUND HC-FEP	1	21001053	KEL 1020/6 ALLROUND HC-FEP
12	25	6	65	14	3.3	ALLROUND	1	21001027	KEL 1225/6 ALLROUND
			70	14	3.3	ALLROUND HC-FEP	1	21001054	KEL 1225/6 ALLROUND HC-FEP
16	30	6	70	14	4.8	ALLROUND	1	21001028	KEL 1630/6 ALLROUND



Conical pointed shape SKM

Conical pointed burr according to DIN 8032 with flattened tip for versatile, economical and time-saving use on steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron. Also available with wear-resistant HICOAT coating.



Special features:

- 30% higher stock removal rate when used on steel than conventional cross-cut burrs.
- Comfortable working thanks to reduced vibration and less noise.
- There is reduced wear on the tool drive due to impact-free work without chatter marks, thanks to the high concentricity.

d_1 [mm]	l_2 [mm]	d_2 [mm]	l_1 [mm]	α [°]	Cut		Item no.	Designation
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Small tungsten carbide burrs

3	7	3	37	14	ALLROUND HC-FEP	1	21001099	SKM 0307/3 ALLROUND HC-FEP
	11	3	41	14	ALLROUND HC-FEP	1	21001100	SKM 0311/3 ALLROUND HC-FEP
6	13	3	43	25	ALLROUND HC-FEP	1	21001101	SKM 0613/3 ALLROUND HC-FEP
3	7	3	37	21	ALLROUND	1	21001073	SKM 0307/3 ALLROUND
	11	3	41	14	ALLROUND	1	21001074	SKM 0311/3 ALLROUND
6	13	3	43	25	ALLROUND	1	21001075	SKM 0613/3 ALLROUND

Tungsten carbide burrs

6	18	6	55	18	ALLROUND HC-FEP	1	21001086	SKM 0618/6 ALLROUND HC-FEP
					ALLROUND	1	21001034	SKM 0618/6 ALLROUND
8	20	6	60	22	ALLROUND	1	21001035	SKM 0820/6 ALLROUND

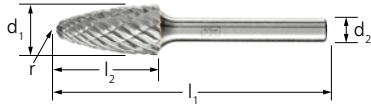
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TC burrs for high-performance applications

ALLROUND cut for versatile use

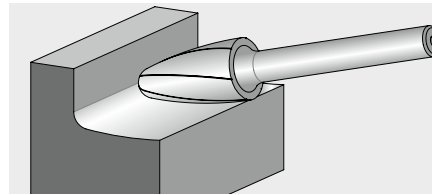


d_1 [mm]	l_2 [mm]	d_2 [mm]	l_1 [mm]	α [°]	Cut		Item no.	Designation
10	20	6	60	28	ALLROUND	1	21001036	SKM 1020/6 ALLROUND
					ALLROUND HC-FEP	1	21001057	SKM 1020/6 ALLROUND HC-FEP
12	25	6	65	26	ALLROUND	1	21001037	SKM 1225/6 ALLROUND
					ALLROUND HC-FEP	1	21001058	SKM 1225/6 ALLROUND HC-FEP



Tree shape with radius end RBF

Tree-shaped burr with radius end according to DIN 8032 for versatile, economical and time-saving use on steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron. Also available with wear-resistant HICOAT coating.



Special features:

- 30% higher stock removal rate when used on steel than conventional cross-cut burrs.
- Comfortable working thanks to reduced vibration and less noise.
- There is reduced wear on the tool drive due to impact-free work without chatter marks, thanks to the high concentricity.

d_1 [mm]	l_2 [mm]	d_2 [mm]	l_1 [mm]	r [mm]	Cut		Item no.	Designation
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Small tungsten carbide burrs

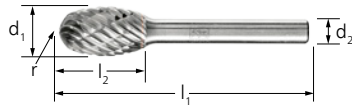
3	7	3	37	0.75	ALLROUND HC-FEP	1	21001102	RBF 0307/3 ALLROUND HC-FEP
	13	3	43	0.75	ALLROUND HC-FEP	1	21001103	RBF 0313/3 ALLROUND HC-FEP
6	13	3	43	1.5	ALLROUND HC-FEP	1	21001104	RBF 0613/3 ALLROUND HC-FEP
3	7	3	37	0.75	ALLROUND	1	21001076	RBF 0307/3 ALLROUND
	13	3	43	0.75	ALLROUND	1	21001077	RBF 0313/3 ALLROUND
6	13	3	43	1.5	ALLROUND	1	21001078	RBF 0613/3 ALLROUND

Tungsten carbide burrs

6	18	6	55	1.5	ALLROUND HC-FEP	1	21001083	RBF 0618/6 ALLROUND HC-FEP
					ALLROUND	1	21001029	RBF 0618/6 ALLROUND
8	20	6	60	1.2	ALLROUND	1	21001030	RBF 0820/6 ALLROUND
10	20	6	60	2.5	ALLROUND	1	21001031	RBF 1020/6 ALLROUND
					ALLROUND HC-FEP	1	21001055	RBF 1020/6 ALLROUND HC-FEP
12	25	6	65	2.5	ALLROUND	1	21001032	RBF 1225/6 ALLROUND
					ALLROUND HC-FEP	1	21001056	RBF 1225/6 ALLROUND HC-FEP
16	30	6	70	3.6	ALLROUND	1	21001033	RBF 1630/6 ALLROUND

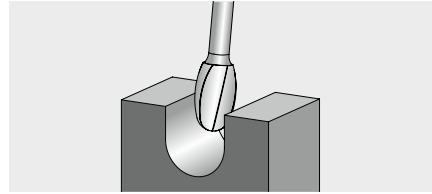
TC burrs for high-performance applications

ALLROUND cut for versatile use



Oval shape TRE

Oval burr according to DIN 8032 for versatile, economical and time-saving use on steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron. Also available with wear-resistant HICOAT coating.



Special features:

- 30% higher stock removal rate when used on steel than conventional cross-cut burrs.
- Comfortable working thanks to reduced vibration and less noise.
- There is reduced wear on the tool drive due to impact-free work without chatter marks, thanks to the high concentricity.

d ₁ [mm]	l ₂ [mm]	d ₂ [mm]	l ₁ [mm]	r [mm]	Cut		Item no.	Designation
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Small tungsten carbide burrs

3	7	3	37	1.2	ALLROUND HC-FEP	1	21001105	TRE 0307/3 ALLROUND HC-FEP
6	10	3	40	2.8	ALLROUND HC-FEP	1	21001106	TRE 0610/3 ALLROUND HC-FEP
3	7	3	37	1.2	ALLROUND	1	21001079	TRE 0307/3 ALLROUND
6	10	3	40	2.8	ALLROUND	1	21001080	TRE 0610/3 ALLROUND

Tungsten carbide burrs

8	13	6	53	3.7	ALLROUND	1	21001039	TRE 0813/6 ALLROUND
10	16	6	56	4	ALLROUND	1	21001040	TRE 1016/6 ALLROUND
					ALLROUND HC-FEP	1	21001059	TRE 1016/6 ALLROUND HC-FEP
12	20	6	60	5	ALLROUND	1	21001041	TRE 1220/6 ALLROUND
					ALLROUND HC-FEP	1	21001060	TRE 1220/6 ALLROUND HC-FEP
16	25	6	65	6.5	ALLROUND	1	21001042	TRE 1625/6 ALLROUND



Set 1412 ALLROUND

Set 1412 ALLROUND contains five versatile tungsten carbide burrs for use on important materials such as steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron in the most common shapes and dimensions.

Contents:

The set comprises one each of the following: ZYAS 1225/6 ALLROUND, KUD 1210/6 ALLROUND, WRC 1225/6 ALLROUND, SPG 1225/6 ALLROUND and RBF 1225/6 ALLROUND with a shank diameter of 6 mm, cut ALLROUND.

Special features:

- The sturdy plastic box protects the tools against dirt and damage.

- The burrs are secured at the shanks, facilitating the selection and withdrawal of the tools.
- Five further unused slots are available for other burrs.

Cut		Item no.	Designation
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Tungsten carbide burrs

ALLROUND	1	21901412	SET 1412 ALLROUND 5TLG
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TC burrs for high-performance applications

ALLROUND cut for versatile use



Set 1403 ALLROUND

Set 1403 ALLROUND contains three versatile small tungsten carbide burrs for use on important materials such as steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron in the most common shapes and dimensions.

Contents:

The set comprises one each of the following: ZYAS 0313/3 ALLROUND, WRC 0313/3 ALLROUND and RBF 0313/3 ALLROUND with a shank diameter of 3 mm, cut ALLROUND.

Special features:

- The sturdy plastic box protects the tools against dirt and damage.

Cut		Item no.	Designation
Small tungsten carbide burrs			
ALLROUND	1	21901403	SET 1403 ALLROUND 3TLG



Set 1404 ALLROUND

Set 1404 ALLROUND contains three versatile small tungsten carbide burrs for use on important materials such as steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron in the most common shapes and dimensions.

Contents:

The set comprises one each of the following: ZYAS 0613/3 ALLROUND, WRC 0613/3 ALLROUND and RBF 0613/3 ALLROUND with a shank diameter of 3 mm, cut ALLROUND.

Special features:

- The sturdy plastic box protects the tools against dirt and damage.

Cut		Item no.	Designation
Small tungsten carbide burrs			
ALLROUND	1	21901404	SET 1404 ALLROUND 3TLG



Set 1406 ALLROUND

Set 1406 ALLROUND contains three versatile tungsten carbide burrs for use on important materials such as steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron in the most common shapes and dimensions.

Contents:

The set comprises one each of the following: ZYAS 0616/6 ALLROUND, WRC 0616/6 ALLROUND and RBF 0618/6 ALLROUND with a shank diameter of 6 mm, cut ALLROUND.

Special features:

- The sturdy plastic box protects the tools against dirt and damage.

Cut		Item no.	Designation
Tungsten carbide burrs			
ALLROUND	1	21901406	SET 1406 ALLROUND 3TLG

TC burrs for high-performance applications

ALLROUND cut for versatile use



2



Set 1406 ALLROUND HC-FEP

The 1406 ALLROUND HC-FEP set contains three versatile tungsten carbide burrs for use on important materials such as steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron in the most common shapes and dimensions.

Contents:

The set comprises one each of the following: ZYAS 0616/6 ALLROUND HC-FEP, WRC 0616/6 ALLROUND HC-FEP and

RBF 0618/6 ALLROUND HC-FEP with a shank diameter of 6 mm, cut ALLROUND HC-FEP.

Special features:

- The sturdy plastic box protects the tools against dirt and damage.

Cut		Item no.	Designation
Tungsten carbide burrs			
ALLROUND HC-FEP	1	21901405	1406 ALLROUND 3TLG HC-FEP



Set 1414 ALLROUND

Set 1414 ALLROUND contains three versatile tungsten carbide burrs for use on important materials such as steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron in the most common shapes and dimensions.

Contents:

The set comprises one each of the following: ZYAS 1225/6 ALLROUND, WRC 1225/6 ALLROUND and RBF 1225/6 ALLROUND with a shank diameter of 6 mm, cut ALLROUND.

Special features:

- The sturdy plastic box protects the tools against dirt and damage.

Cut		Item no.	Designation
Tungsten carbide burrs			
ALLROUND	1	21901414	SET 1414 ALLROUND 3TLG



Set 1414 ALLROUND HC-FEP

Set 1414 ALLROUND HC-FEP contains three versatile tungsten carbide burrs with high-quality HICOAT coating for use on important materials such as steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron in the most common shapes and dimensions.

Contents:

The set comprises one each of the following: ZYAS 1225/6 ALLROUND HC-FEP, WRC 1225/6 ALLROUND HC-FEP and RBF 1225/6 ALLROUND HC-FEP with a shank diameter of 6 mm, cut ALLROUND.

Special features:

- The sturdy plastic box protects the tools against dirt and damage.

Cut		Item no.	Designation
Tungsten carbide burrs			
ALLROUND HC-FEP	1	21901415	SET 1414 ALLROUND 3TLG HC-FEP