

DRILLING

- Drilling Overview
- Drill Holder
- Drilling Inserts (SPMX)
- Drilling Inserts (WCMX)

Drilling Overview

Drilling Grades

Drilling Grades	P Steel				M Stainless Steel				K Cast Iron			
	P05	P15	P25	P35	M05	M15	M25	M35	K05	K15	K25	K35
PVD YG602			602				602				602	

YG602 P20 - P35 M20 - M40 K20 - K40 S15 - S25	PVD - TiAlN 	Universal grade for General Drilling Application
		<ul style="list-style-type: none"> Ultra Dense PVD Coating with optimal thermal resistance & strength Sub-Micron substrate designed for demanding application

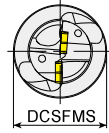
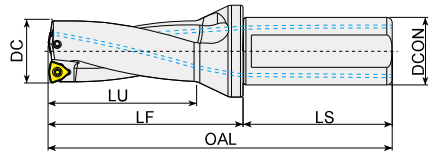
Universal Drilling Inserts

	4 Corner	SPMX Series	SPMX	05, 06, 07, 09, 11, 14
	ISO 3 Corner	WCMX Series	WCMX	04, 05, 06, 08

Drilling Chipbreakers

P	M	K		
	M		-ST	 <ul style="list-style-type: none"> Sharp Geometry Sticky Material, Stainless Steel
P	M	K	General Inserts (No Description)	 <ul style="list-style-type: none"> First Choice for General Application

Drilling - Drill Holder
WCMX 040208 Drill (DC 20~23.5)



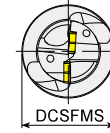
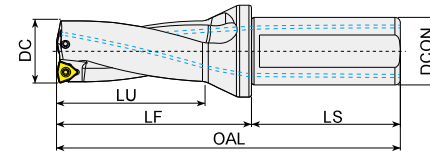
Screw Y3008-M2.5x6
 Wrench Y80-T08

⊕: p.147 unit:mm

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
20	40		YGWC2-20S25F040-04	0257	62	118	25	34	56
	60		YGWC3-20S25F060-04	0300	82	138			
	80		YGWC4-20S25F080-04	0343	102	158			
20.5	40		YGWC2-20.5S25F040-04	0726	62	118			
	60		YGWC3-20.5S25F060-04	0727	82	138			
	42		YGWC2-21S25F042-04	0258	64	120			
21	63		YGWC3-21S25F063-04	0301	85	141			
	84		YGWC4-21S25F084-04	0344	106	162			
	42		YGWC2-21.5S25F042-04	0728	64	120			
21.5	63		YGWC3-21.5S25F063-04	0729	85	141			
	44		YGWC2-22S25F044-04	0259	66	122			
22	66		YGWC3-22S25F066-04	0302	88	144			
	88		YGWC4-22S25F088-04	0345	110	166			
	44		YGWC2-22.5S25F044-04	0730	66	122			
22.5	66		YGWC3-22.5S25F066-04	0731	88	144			
	88		YGWC4-22.5S25F088-04	0732	110	166			
	46		YGWC2-23S25F046-04	0260	68	124			
23	69		YGWC3-23S25F069-04	0303	91	147			
	92		YGWC4-23S25F092-04	0346	114	170			
	46		YGWC2-23.5S25F046-04	0733	68	124			
23.5	69		YGWC3-23.5S25F069-04	0734	91	147			

WCMX 040208

Drilling - Drill Holder
WCMX 050308 Drill (DC 24~29.5)



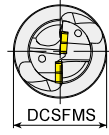
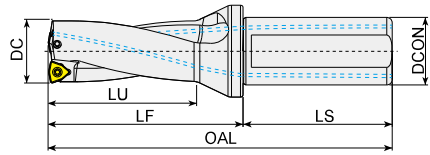
Screw Y3008-M3x8
 Wrench Y80-T08

⊕: p.147 unit:mm

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
24	48		YGWC2-24S25F048-05	0261	70	126	25	34	56
	72		YGWC3-24S25F072-05	0304	94	150			
	96		YGWC4-24S25F096-05	0347	118	174			
24.5	48		YGWC2-24.5S25F048-05	0735	70	126			
	72		YGWC3-24.5S25F072-05	0736	94	150			
	50		YGWC2-25S25F050-05	0262	72	128			
25	75		YGWC3-25S25F075-05	0305	97	153			
	100		YGWC4-25S25F100-05	0251	122	178			
	50		YGWC2-25.5S25F050-05	0737	72	128			
25.5	75		YGWC3-25.5S25F075-05	0738	97	153			
	52		YGWC2-26S25F052-05	0263	74	130			
	78		YGWC3-26S25F078-05	0306	100	156			
26	104		YGWC4-26S25F104-05	0349	126	182			
	52		YGWC2-26.5S25F052-05	0739	74	130			
	78		YGWC3-26.5S25F078-05	0741	100	156			
26.5	104		YGWC4-26.5S25F104-05	0742	126	182			
	54		YGWC2-27S25F054-05	0264	76	132			
	81		YGWC3-27S25F081-05	0307	103	159			
27	108		YGWC4-27S25F108-05	0350	130	186			
	54		YGWC2-27.5S25F054-05	0743	76	132			
	81		YGWC3-27.5S25F081-05	0744	103	159			
27.5	56		YGWC2-28S25F056-05	0265	78	134			
	84		YGWC3-28S25F084-05	0308	106	162			
	112		YGWC4-28S25F112-05	0351	134	190			
28	56		YGWC2-28.5S25F056-05	0745	78	134			
	84		YGWC3-28.5S25F084-05	0746	106	162			
	112		YGWC4-28.5S25F112-05	0747	134	190			
28.5	58		YGWC2-29S25F058-05	0266	80	136			
	87		YGWC3-29S25F087-05	0309	109	165			
	116		YGWC4-29S25F116-05	0352	138	194			
29	58		YGWC2-29.5S25F058-05	0748	80	136			
	87		YGWC3-29.5S25F087-05	0749	109	165			

WCMX 050308

Drilling - Drill Holder
WCMX 06T308 Drill (DC 30~44.5)



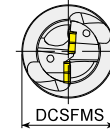
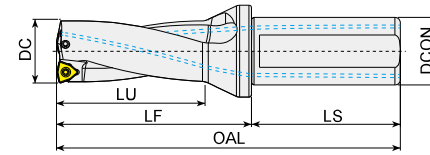
Screw Y3010-M3.5x9
 Wrench Y80-T10

Ⓒ: p.147 unit:mm

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
WCMX 06T308	30	60	YGWC2-30S32F060-06	0267	87	147	32	44	60
		90	YGWC3-30S32F090-06	0310	117	177			
		120	YGWC4-30S32F120-06	0353	147	207			
	30.5	90	YGWC3-30.5S32F090-06	0750	117	177			
		62	YGWC2-31S32F062-06	0268	89	149			
	31	93	YGWC3-31S32F093-06	0311	120	180			
		124	YGWC4-31S32F124-06	0354	151	211			
	31.5	93	YGWC3-31.5S32F093-06	0751	120	180			
	32	64	YGWC2-32S32F064-06	0269	91	151			
		96	YGWC3-32S32F096-06	0312	123	183			
	32.5	128	YGWC4-32S32F128-06	0252	155	215			
		96	YGWC3-32.5S32F096-06	0752	123	183			
	33	66	YGWC2-33S32F066-06	0753	93	153			
		99	YGWC3-33S32F099-06	0754	126	186			
	33.5	132	YGWC4-33S32F132-06	0755	159	219			
		99	YGWC3-33.5S32F099-06	0756	126	186			
	34	132	YGWC4-33.5S32F132-06	0757	159	219			
		68	YGWC2-34S32F068-06	0271	95	155			
	34.5	102	YGWC3-34S32F102-06	0314	129	189			
		136	YGWC4-34S32F136-06	0357	163	223			
	35	102	YGWC3-34.5S32F102-06	0758	129	189			
		70	YGWC2-35S32F070-06	0272	97	157			
	35.5	105	YGWC3-35S32F105-06	0315	132	192			
		140	YGWC4-35S32F140-06	0358	167	227			
	36	105	YGWC3-35.5S32F105-06	0759	132	192			
		72	YGWC2-36S32F072-06	0273	99	159			
	36.5	108	YGWC3-36S32F108-06	0316	135	195			
		144	YGWC4-36S32F144-06	0359	171	231			
37	108	YGWC3-36.5S32F108-06	0760	135	195				
	74	YGWC2-37S32F074-06	0274	101	161				
37.5	111	YGWC3-37S32F111-06	0317	138	198				
	148	YGWC4-37S32F148-06	0360	175	235				

▶ NEXT PAGE

Drilling - Drill Holder
WCMX 06T308 Drill (DC 30~44.5)

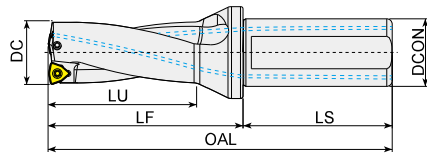


Screw Y3010-M3.5x9
 Wrench Y80-T10

Ⓒ: p.147 unit:mm

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
WCMX 06T308	37.5	111	YGWC3-37.5S32F111-06	0761	138	198	32	44	60
		76	YGWC2-38S32F076-06	0275	103	163			
	38	114	YGWC3-38S32F114-06	0318	141	201			
		152	YGWC4-38S32F152-06	0361	179	239			
	38.5	114	YGWC3-38.5S32F114-06	0762	141	201			
		152	YGWC4-38.5S32F152-06	0763	179	239			
	39	78	YGWC2-39S32F078-06	0276	105	165			
		117	YGWC3-39S32F117-06	0319	144	204			
	39.5	156	YGWC4-39S32F156-06	0362	183	243			
		117	YGWC3-39.5S32F117-06	0764	144	204			
	40	80	YGWC2-40S32F080-06	0277	107	167			
		120	YGWC3-40S32F120-06	0320	147	207			
	40.5	160	YGWC4-40S32F160-06	0363	187	247			
		120	YGWC3-40.5S32F120-06	0765	147	207			
	41	82	YGWC2-41S32F082-06	0278	109	169			
		123	YGWC3-41S32F123-06	0321	150	210			
	41.5	164	YGWC4-41S32F164-06	0364	191	251			
		123	YGWC3-41.5S32F123-06	0766	150	210			
	42	84	YGWC2-42S32F084-06	0279	111	171			
		126	YGWC3-42S32F126-06	0322	153	213			
	42.5	168	YGWC4-42S32F168-06	0365	195	255			
		126	YGWC3-42.5S32F126-06	0767	153	213			
	43	86	YGWC2-43S32F086-06	0280	113	173			
		129	YGWC3-43S32F129-06	0323	156	216			
	43.5	172	YGWC4-43S32F172-06	0366	199	259			
		129	YGWC3-43.5S32F129-06	0768	156	216			
	44	88	YGWC2-44S32F088-06	0281	115	175			
		132	YGWC3-44S32F132-06	0324	159	219			
	44.5	176	YGWC4-44S32F176-06	0367	203	263			
		132	YGWC3-44.5S32F132-06	0769	159	219			

Drilling - Drill Holder
WCMX 080412 Drill (DC 45~60)



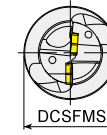
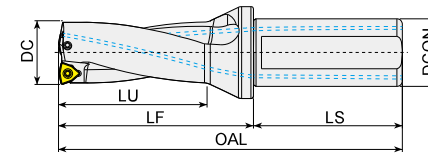
Screw	Wrench
Y4015-M4x11	Y80-T15

⚠: p.147 unit:mm

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
WCMX 080412	90		YGWC2-45S40F090-08	0282	122	192	40	54	70
	45	135	YGWC3-45S40F135-08	0325	167	237			
		180	YGWC4-45S40F180-08	0368	212	282			
	45.5	135	YGWC3-45.5S40F135-08	0770	167	237			
		92	YGWC2-46S40F092-08	0283	124	194			
	46	138	YGWC3-46S40F138-08	0326	170	240			
		184	YGWC4-46S40F184-08	0369	216	286			
		94	YGWC2-47S40F094-08	0284	126	196			
	47	141	YGWC3-47S40F141-08	0327	173	243			
		188	YGWC4-47S40F188-08	0370	220	290			
		96	YGWC2-48S40F096-08	0285	128	198			
	48	144	YGWC3-48S40F144-08	0328	176	246			
		192	YGWC4-48S40F192-08	0371	224	294			
		98	YGWC2-49S40F098-08	0286	130	200			
	49	147	YGWC3-49S40F147-08	0329	179	249			
		196	YGWC4-49S40F196-08	0372	228	298			
		100	YGWC2-50S40F100-08	0287	132	202			
	50	150	YGWC3-50S40F150-08	0330	182	252			
		200	YGWC4-50S40F200-08	0373	232	302			
	51	102	YGWC2-51S40F102-08	0288	134	204			

▶ NEXT PAGE

Drilling - Drill Holder
WCMX 080412 Drill (DC 45~60)

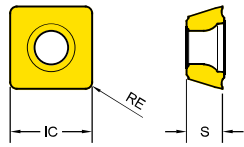


Screw	Wrench
Y4015-M4x11	Y80-T15

⚠: p.147 unit:mm

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
WCMX 080412	51	153	YGWC3-51S40F153-08	0331	185	255	40	54	70
	52	104	YGWC2-52S40F104-08	0289	136	206			
		156	YGWC3-52S40F156-08	0332	188	258			
	53	106	YGWC2-53S40F106-08	0290	138	208			
		159	YGWC3-53S40F159-08	0333	191	261			
	54	108	YGWC2-54S40F108-08	0291	140	210			
		162	YGWC3-54S40F162-08	0334	194	264			
	55	110	YGWC2-55S40F110-08	0292	142	212			
		165	YGWC3-55S40F165-08	0335	197	267			
	56	112	YGWC2-56S40F112-08	0293	144	214			
		168	YGWC3-56S40F168-08	0336	200	270			
	57	114	YGWC2-57S40F114-08	0294	146	216			
		171	YGWC3-57S40F171-08	0337	203	273			
	58	116	YGWC2-58S40F116-08	0295	148	218			
		174	YGWC3-58S40F174-08	0338	206	276			
	59	118	YGWC2-59S40F118-08	0771	150	220			
		177	YGWC3-59S40F177-08	0772	209	279			
	60	120	YGWC2-60S40F120-08	0773	152	222			
		180	YGWC3-60S40F180-08	0774	212	282			

Drilling - Inserts Drilling Inserts (SPMX)

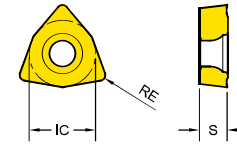


Series	Metric	
	IC	S
SPMX 0502	5.00	2.38
SPMX 0602	6.00	2.41
SPMX 07T3	7.94	3.97
SPMX 0904	9.80	4.30
SPMX 1104	11.50	4.90
SPMX 1405	14.30	5.30

SPMX		Designation	Fn (mm/rev.)	EDP 3200..	
				YG602	
SPMX General		SPMX 050204	0.07 ~ 0.14	●	0005
		SPMX 060204	0.08 ~ 0.14	●	0006
		SPMX 07T308	0.08 ~ 0.16	●	0007
		SPMX 090408	0.08 ~ 0.16	●	0008
		SPMX 110408	0.10 ~ 0.18	●	0009
		SPMX 140512	0.10 ~ 0.20	●	0010
-ST Stainless Steel		SPMX 050204 - ST	0.03 ~ 0.10	●	0011
		SPMX 060204 - ST	0.04 ~ 0.11	●	0012
		SPMX 07T308 - ST	0.04 ~ 0.11	●	0013
		SPMX 090408 - ST	0.05 ~ 0.12	●	0014

Cutting Speed			Vc (m/min.)	
ISO	VDI	Sub Group	YG602	
			Min	Max
P	1~5	Non-Alloyed Steel	140	380
	6~9	Low-Alloyed Steel	120	300
	10~11	High-Alloyed Steel	70	150
M	12~13	Ferritic & Martensitic	120	200
	14	Austenitic Stainless Steel	130	250
K	15~16	Grey Cast Iron	120	250
	17~18	Nodular Cast Iron	130	220

Drilling - Inserts Drilling Inserts (WCMX)



Series	Metric	
	IC	S
WCMX 0402	6.35	2.38
WCMX 0503	7.94	3.18
WCMX 06T3	9.53	3.97
WCMX 0804	12.70	4.76

WCMX		Designation	Fn (mm/rev.)	EDP 3200..	
				YG602	
WCMX General		WCMX 040208	0.05 ~ 0.11	●	0003
		WCMX 050308	0.06 ~ 0.14	●	0001
		WCMX 06T308	0.08 ~ 0.14	●	0002
		WCMX 080412	0.08 ~ 0.14	●	0004

Cutting Speed			Vc (m/min.)	
ISO	VDI	Sub Group	YG602	
			Min	Max
P	1~5	Non-Alloyed Steel	140	380
	6~9	Low-Alloyed Steel	120	300
	10~11	High-Alloyed Steel	70	150
M	12~13	Ferritic & Martensitic	120	200
	14	Austenitic Stainless Steel	130	250
K	15~16	Grey Cast Iron	120	250
	17~18	Nodular Cast Iron	130	220