

HTT

CENTRO AFFILATURA srl

OVERSIZE REAMERS

THE **IDEAL** WAY TO FIX **WRONG** HOLES

www.httsrl.com



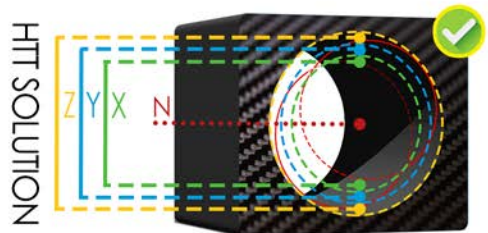
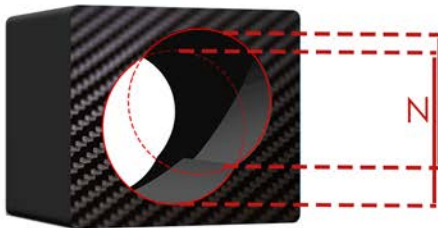
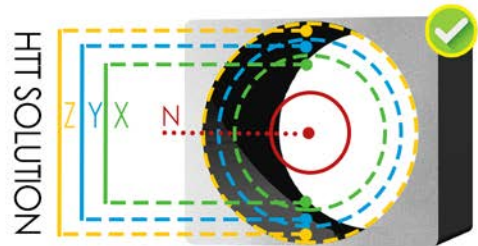
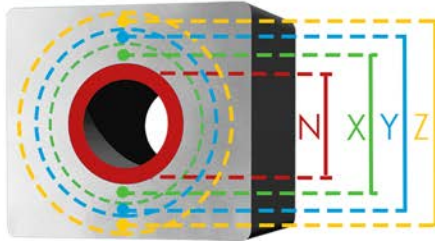
Solid-Carbide solutions for fixing wrong holes

OVERSIZE REAMERS



HOW DOES AN OVERSIZE REAMER WORK ?

The solution that allows you to recover a finished hole to save on the costs of the material that you should buy back in case of production errors.



● N (Wrong Hole)

● X

● Y

● Z

(HTT Oversize Solution)

ideal on CFRP/Titanium, Titanium/CFRP



 **RESOLVED**
CFRP/Titanium

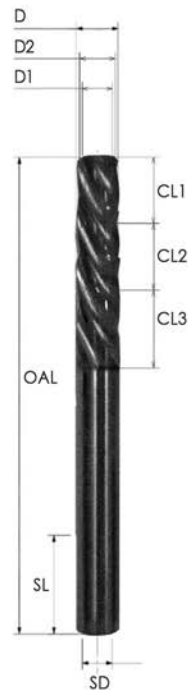


 **RESOLVED**
Titanium/CFRP

● solution for CFRP to TITANIUM

Solid Carbide Oversize Reamers "X.CEED" COATED "Black"
for CFRP/Titanium, left/right

TYPE	CODE	D1	D2	D	CL1	CL2	CL3	OAL	SD	SL
N	ORM-0636-LR-M	5.93	6.15	6.36	17.78	15.24	38.1	127	5.1	20.32
	ORM-0636-LR-IN	.2335"	.2420"	.2503"	.7"	.6"	1.5"	5.0"	.2"	.8"
X	ORM-0676-LR-M	6.34	6.55	6.76	17.78	15.24	38.1	127	5.1	20.32
	ORM-0676-LR-IN	.2495"	.2580"	.2663"	.7"	.6"	1.5"	5.0"	.2"	.8"
Y	ORM-0715-LR-M	6.77	6.93	7.15	17.78	15.24	38.1	127	5.1	20.32
	ORM-0715-LR-IN	.2665"	.2730"	.2813"	.7"	.6"	1.5"	5.0"	.2"	.8"
Z	ORM-0751-LR-M	7.12	7.32	7.51	17.78	15.24	38.1	127	5.1	20.32
	ORM-0751-LR-IN	.2805"	.2880"	.2953"	.7"	.6"	1.5"	5.0"	.2"	.8"
N	ORM-0795-LR-M	7.48	7.75	7.95	17.78	15.24	38.1	127	7.62	20.32
	ORM-0795-LR-IN	.2945"	.3050"	.3128"	.7"	.6"	1.5"	5.0"	.3"	.8"
X	ORM-0634-LR-M	7.92	8.14	8.34	17.78	15.24	38.1	127	7.62	20.32
	ORM-0634-LR-IN	.3120"	.3205"	.3283"	.7"	.6"	1.5"	5.0"	.3"	.8"
Y	ORM-0875-LR-M	8.32	8.54	8.75	17.78	15.24	38.1	127	7.62	20.32
	ORM-0875-LR-IN	.3275"	.3365"	.3443"	.7"	.6"	1.5"	5.0"	.3"	.8"
Z	ORM-0913-LR-M	8.72	8.92	9.13	17.78	15.24	38.1	127	7.62	20.32
	ORM-0913-LR-IN	.3435"	.3510"	.3593"	.7"	.6"	1.5"	5.0"	.3"	.8"
N	ORM-0953-LR-M	9.11	9.32	9.53	17.78	15.24	38.1	127	7.62	20.32
	ORM-0953-LR-IN	.3585"	.3670"	.3753"	.7"	.6"	1.5"	5.0"	.3"	.8"
X	ORM-0994-LR-M	9.51	9.74	9.94	17.78	15.24	38.1	127	7.62	20.32
	ORM-0994-LR-IN	.3745"	.3835"	.3913"	.7"	.6"	1.5"	5.0"	.3"	.8"
Y	ORM-1032-LR-M	9.92	10.12	10.32	17.78	15.24	38.1	127	7.62	20.32
	ORM-1032-LR-IN	.3905"	.3985"	.4063"	.7"	.6"	1.5"	5.0"	.3"	.8"
N	ORM-1111-LR-M	10.68	10.9	11.11	17.78	15.24	38.1	127	7.62	20.32
	ORM-1111-LR-IN	.4205"	.4290"	.4370"	.7"	.6"	1.5"	5.0"	.3"	.8"
X	ORM-1151-LR-M	11.09	11.32	11.51	17.78	15.24	38.1	127	7.62	20.32
	ORM-1151-LR-IN	.4365"	.4455"	.4533"	.7"	.6"	1.5"	5.0"	.3"	.8"
Y	ORM-1192-LR-M	11.49	11.72	11.92	17.78	15.24	38.1	127	7.62	20.32
	ORM-1192-LR-IN	.4525"	.4615"	.4693"	.7"	.6"	1.5"	5.0"	.3"	.8"



FULLY CUSTOMIZABLE SOLUTIONS: HTT CAN DESIGN TAILOR-MADE TOOLS UPON SPECIFIC REQUIREMENTS.

● solution for TITANIUM to CFRP

Solid Carbide Oversize Reamers " TiN " COATED " Golden Yellow " for Titanium/CFRP, right/right

TYPE	CODE	D1	D2	D	CL1	CL2	CL3	OAL	SD	SL
X	ORM-0516-RL-M	4.81	4.99	5.16	17.78	15.24	38.1	101.6	-	-
	ORM-0516-RL-IN	.1895"	.1963"	.2030"	.7"	.6"	1.5"	4.0"	-	-
Y	ORM-0554-RL-M	5.14	5.33	5.54	17.78	15.24	38.1	101.6	-	-
	ORM-0554-RL-IN	.2025"	.2100"	.2180"	.7"	.6"	1.5"	4.0"	-	-
Z	ORM-0594-RL-M	5.52	5.74	5.94	17.78	15.24	38.1	101.6	-	-
	ORM-0594-RL-IN	.2175"	.2260"	.2340"	.7"	.6"	1.5"	4.0"	-	-
N	ORM-0636-RL-M	5.93	6.15	6.36	17.78	15.24	38.1	127	5.1	20.32
	ORM-0636-RL-IN	.2335"	.2420"	.2503"	.7"	.6"	1.5"	5.0"	.2"	.8"
X	ORM-0676-RL-M	6.34	6.55	6.76	17.78	15.24	38.1	127	5.1	20.32
	ORM-0676-RL-IN	.2495"	.2580"	.2663"	.7"	.6"	1.5"	5.0"	.2"	.8"
Y	ORM-0715-RL-M	6.77	6.93	7.15	17.78	15.24	38.1	127	5.1	20.32
	ORM-0715-RL-IN	.2665"	.2730"	.2813"	.7"	.6"	1.5"	5.0"	.2"	.8"
Z	ORM-0751-RL-M	7.12	7.32	7.51	17.78	15.24	38.1	127	5.1	20.32
	ORM-0751-RL-IN	.2805"	.2880"	.2953"	.7"	.6"	1.5"	5.0"	.2"	.8"
N	ORM-0795-RL-M	7.48	7.75	7.95	17.78	15.24	38.1	127	7.62	20.32
	ORM-0795-RL-IN	.2945"	.3050"	.3128"	.7"	.6"	1.5"	5.0"	.3"	.8"
X	ORM-0834-RL-M	7.92	8.14	8.34	17.78	15.24	38.1	127	7.62	20.32
	ORM-0834-RL-IN	.3120"	.3205"	.3283"	.7"	.6"	1.5"	5.0"	.3"	.8"
Y	ORM-0875-RL-M	8.32	8.54	8.75	17.78	15.24	38.1	127	7.62	20.32
	ORM-0875-RL-IN	.3275"	.3365"	.3443"	.7"	.6"	1.5"	5.0"	.3"	.8"
Z	ORM-0913-RL-M	8.72	8.92	9.13	17.78	15.24	38.1	127	7.62	20.32
	ORM-0913-RL-IN	.3435"	.3510"	.3593"	.7"	.6"	1.5"	5.0"	.3"	.8"
N	ORM-0953-RL-M	9.11	9.32	9.53	17.78	15.24	38.1	127	7.62	20.32
	ORM-0953-RL-IN	.3585"	.3670"	.3753"	.7"	.6"	1.5"	5.0"	.3"	.8"
X	ORM-0994-RL-M	9.51	9.74	9.94	17.78	15.24	38.1	127	7.62	20.32
	ORM-0994-RL-IN	.3745"	.3835"	.3913"	.7"	.6"	1.5"	5.0"	.3"	.8"
Y	ORM-1032-RL-M	9.92	10.12	10.32	17.78	15.24	38.1	127	7.62	20.32
	ORM-1032-RL-IN	.3905"	.3985"	.4063"	.7"	.6"	1.5"	5.0"	.3"	.8"
N	ORM-1111-RL-M	10.68	10.9	11.11	17.78	15.24	38.1	127	7.62	20.32
	ORM-1111-RL-IN	.4205"	.4290"	.4370"	.7"	.6"	1.5"	5.0"	.3"	.8"
X	ORM-1151-RL-M	11.09	11.32	11.51	17.78	15.24	38.1	127	7.62	20.32
	ORM-1151-RL-IN	.4365"	.4455"	.4533"	.7"	.6"	1.5"	5.0"	.3"	.8"
Y	ORM-1192-RL-M	11.49	11.72	11.92	17.78	15.24	38.1	127	7.62	20.32
	ORM-1192-RL-IN	.4525"	.4615"	.4693"	.7"	.6"	1.5"	5.0"	.3"	.8"
N	ORM-1270-RL-M	12.28	12.5	12.7	17.78	15.24	38.1	127	7.62	20.32
	ORM-1270-RL-IN	.4835"	.4920"	.5000"	.7"	.6"	1.5"	5.0"	.3"	.8"
X	ORM-1311-RL-M	12.69	12.9	13.11	17.78	15.24	38.1	127	7.62	20.32
	ORM-1311-RL-IN	.4995"	.5080"	.5163"	.7"	.6"	1.5"	5.0"	.3"	.8"
Y	ORM-1350-RL-M	13.10	13.29	13.5	17.78	15.24	38.1	127	7.62	20.32
	ORM-1350-RL-IN	.5155"	.5230"	.5313"	.7"	.6"	1.5"	5.0"	.3"	.8"
N	ORM-1427-RL-M	13.86	14.07	14.27	17.78	15.24	38.1	127	7.62	20.32
	ORM-1427-RL-IN	.5455"	.5540"	.5620"	.7"	.6"	1.5"	5.0"	.3"	.8"
X	ORM-1469-RL-M	14.26	14.48	14.69	17.78	15.24	38.1	127	7.62	20.32
	ORM-1469-RL-IN	.5615"	.5700"	.5783"	.7"	.6"	1.5"	5.0"	.3"	.8"
Y	ORM-1507-RL-M	14.66	14.9	15.07	17.78	15.24	38.1	127	7.62	20.32
	ORM-1507-RL-IN	.5775"	.5850"	.5933"	.7"	.6"	1.5"	5.0"	.3"	.8"
N	ORM-1588-RL-M	15.46	15.67	15.88	17.78	15.24	38.1	127	7.62	20.32
	ORM-1588-RL-IN	.6085"	.6170"	.6250"	.7"	.6"	1.5"	5.0"	.3"	.8"
X	ORM-1629-RL-M	15.86	16.08	16.29	17.78	15.24	38.1	127	7.62	20.32
	ORM-1629-RL-IN	.6245"	.6330"	.6413"	.7"	.6"	1.5"	5.0"	.3"	.8"
Y	ORM-1667-RL-M	16.27	16.46	16.67	17.78	15.24	38.1	127	7.62	20.32
	ORM-1667-RL-IN	.6405"	.6480"	.6563"	.7"	.6"	1.5"	5.0"	.3"	.8"



FULLY CUSTOMIZABLE SOLUTIONS: HTT CAN DESIGN TAILOR-MADE TOOLS UPON SPECIFIC REQUIREMENTS.

GET IN CONTACT WITH HTT NOW FOR FURTHER INFO! www.httsrl.com



© 2017 HTT s.r.l. | Zona Industriale Ilici, 83030, Venticano, Avellino, Italy | VAT 00598710648



do well.
do better
GUARANTEED SOLUTIONS



www.httsrl.com

INFO&CONTACT

tel.: (+39) 0825 963122

fax: (+39) 0825 968026

email: info@httsrl.com