

STR Super Tuffy Grade Carbide Ruffers

Features

Stub and Standard Cutting Lengths

Nominal Minus Diameter Tolerances

Coated or Non-Coated Available (Infinium C for Mechanical Stress or Infinium A for Thermal Stress)

Special Roughing Configurations and Geometries

Weldon Shanks, 3/8" and Up

Applications

Recommended for Ferrous Materials Including Cast Iron and Tool Steels

3 Flute for Slot or Pocket Roughing, 4 Flute for Profile Roughing



STR-301 3 Flute Super Tuffy Carbide Ruffer Stub Length

Tool Number	Cutter Diameter D ϕ	Shank Diameter d ϕ	Flute Length L1	Overall Length L
STR-301-08	1/4"	1/4"	1/2"	2-1/2"
STR-301-10	5/16"	5/16"	1/2"	2-1/2"
STR-301-12	3/8"	3/8"	5/8"	2-1/2"
STR-301-14*	7/16"	7/16"	5/8"	2-3/4"
STR-301-16	1/2"	1/2"	5/8"	3"
STR-301-20	5/8"	5/8"	7/8"	3-1/2"
STR-301-24	3/4"	3/4"	1"	4"



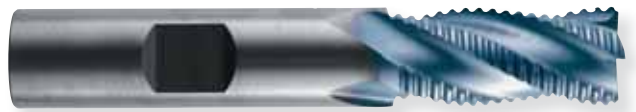
STR-303 3 Flute Super Tuffy Carbide Ruffer Std. Length

Tool Number	Cutter Diameter D ϕ	Shank Diameter d ϕ	Flute Length L1	Overall Length L
STR-303-08	1/4"	1/4"	3/4"	2-1/2"
STR-303-09	9/32"	5/16"	3/4"	2-1/2"
STR-303-10	5/16"	5/16"	13/16"	2-1/2"
STR-303-12	3/8"	3/8"	7/8"	2-1/2"
STR-303-14*	7/16"	7/16"	1"	2-3/4"
STR-303-16	1/2"	1/2"	1"	3"
STR-303-18*	9/16"	9/16"	1-1/4"	3-1/2"
STR-303-20	5/8"	5/8"	1-1/4"	3-1/2"
STR-303-24	3/4"	3/4"	1-1/2"	4"
STR-303-32	1"	1"	2-1/2"	5"



STR-401 4 Flute Super Tuffy Carbide Ruffer Stub Length

Tool Number	Cutter Diameter D ϕ	Shank Diameter d ϕ	Flute Length L1	Overall Length L
STR-401-08	1/4"	1/4"	1/2"	2-1/2"
STR-401-10	5/16"	5/16"	1/2"	2-1/2"
STR-401-12	3/8"	3/8"	5/8"	2-1/2"
STR-401-14*	7/16"	7/16"	5/8"	2-3/4"
STR-401-16	1/2"	1/2"	5/8"	3"
STR-401-20	5/8"	5/8"	7/8"	3-1/2"
STR-401-24	3/4"	3/4"	1"	4"
STR-401-32	1"	1"	1-1/2"	5"



STR-404 4 Flute Super Tuffy Carbide Ruffer Std. Length

Tool Number	Cutter Diameter D ϕ	Shank Diameter d ϕ	Flute Length L1	Overall Length L
STR-404-08	1/4"	1/4"	3/4"	2-1/2"
STR-404-09	9/32"	5/16"	3/4"	2-1/2"
STR-404-10	5/16"	5/16"	13/16"	2-1/2"
STR-404-12	3/8"	3/8"	7/8"	2-1/2"
STR-404-14*	7/16"	7/16"	1"	2-3/4"
STR-404-16	1/2"	1/2"	1"	3"
STR-404-18*	9/16"	9/16"	1-1/4"	3-1/2"
STR-404-20	5/8"	5/8"	1-1/4"	3-1/2"
STR-404-24	3/4"	3/4"	1-1/2"	4"
STR-404-32	1"	1"	2-1/2"	5"

*Without flats



NOTE: For *all* items on this page, specify coating type when ordering (See Infinium Coatings Key) by adding appropriate letter to end of tool number, i.e. STR-303-08T or STR-401-08C or STR-404-08A

STR Series Tolerances

D ϕ	= -.003"/-.007"
L1 (1/4" to 5/16")	= +.030"/-.000"
(3/8" to 3/4")	= +.060"/-.000"
d ϕ	= -.0001"/-.0002"
L	= \pm .060"

