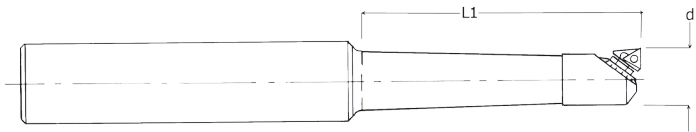


STANDARD BORING BARS
PLAIN STRAIGHT SHANK

with standard R unit for
roughing & semi-finishing

25SS / 1.00SS



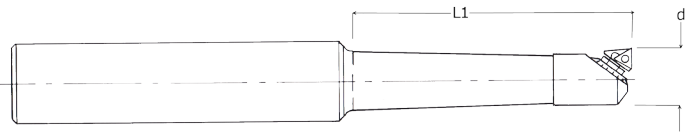
Boring Range d		Bore Depth L1		Boring Bar Ordering Code	Boring Bar Ordering Code	Boring Unit & Approach Angle			Insert
mm	ins	mm	ins	METRIC	IMPERIAL	90°	75°	95°	
15.875-17.40	.625-.685	83	3.268	25SS-1535	1.00SS-1535	R2B2S			TC__06T1__
16.67-18.25	.656-.718			25SS-1536	1.00SS-1536				
17.40-19.00	.685-.748			25SS-1537	1.00SS-1537				
19.00-23.00	.748-.905	87	3.425	25SS-154	1.00SS-154	R2B2	R2B2L		
23.00-27.00	.905-1.062								
23.00-31.00	.905-1.220								
24.00-32.00	.945-1.260	107	4.212	25SS-155	1.00SS-155	R3B1		R3B295	CC__0602__
27.00-35.00	1.062-1.378					R3B2C			TC__0902__
28.00-42.00	1.103-1.654					R3B2			CC__0602__
31.00-45.00	1.220-1.771	117	4.606	25SS-156	1.00SS-156	R3A2C	R3A2L	R3A295	TC__0902__
37.50-48.70	1.476-1.917					R3A2			CC__0602__
38.00-49.20	1.496-1.937					R5B2C			TC__1102__
46.50-67.80	1.831-2.673	116	4.567	25SS-158	1.00SS-158	R5B2	R5B2L	R5B295	CC__0602__
47.00-68.30	1.850-2.689					R5A2C			TC__1102__
60.50-86.10	2.375-3.383					R5A2			CC__09T3__
79.50-105.10	3.130-4.138	128	5.039	25SS-163	1.00SS-163	R7A2C		R7A295C	TC__16T3__
						R7A2	R7A2L	R7A295	CC__09T3__
						R7A2C		R7A295C	TC__16T3__
						R7A2	R7A2L	R7A295	CC__09T3__

Boring bar, unit and inserts are ordered separately. Adjusting wrench is included with the boring unit.

STANDARD BORING BARS
PLAIN STRAIGHT SHANK

with standard R unit for
roughing & semi-finishing

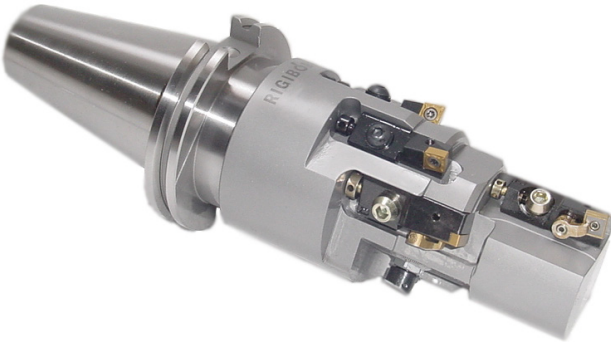
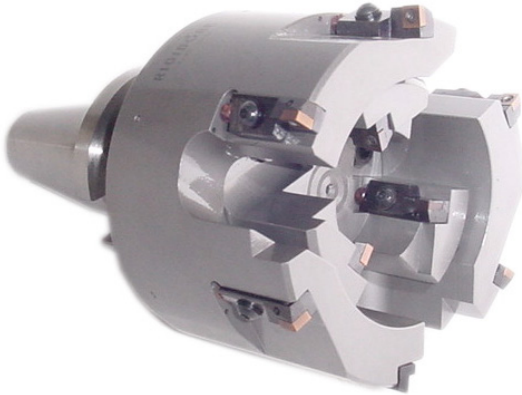
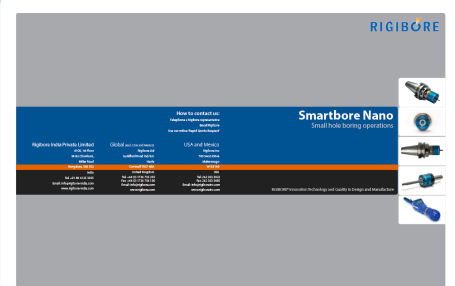
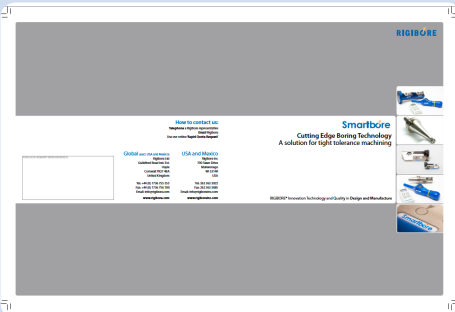
32SS / 1.25SS



Boring Range d		Bore Depth L1		Boring Bar Ordering Code	Boring Bar Ordering Code	Boring Unit & Approach Angle			Insert
mm	ins	mm	ins	METRIC	IMPERIAL	90°	75°	95°	
19.00-23.00	.748-.905	87	3.425	32SS-154	1.25SS-154	R2B2	R2B2L		TC__06T1__
23.00-27.00	.905-1.062								
23.00-31.00	.905-1.220								
24.00-32.00	.945-1.260	107	4.212	32SS-155	1.25SS-155	R3B1	R3B2L	R3B295	CC__0602__
27.00-35.00	1.062-1.378					R3B2C			
28.00-42.00	1.103-1.654					R3B2			
31.00-45.00	1.220-1.771	117	4.606	32SS-156	1.25SS-156	R3A2C	R3A2L	R3A295	CC__0602__
						R3A2			
						R5B2C			
37.50-48.70	1.476-1.917	116	4.567	32SS-158	1.25SS-158	R5B2	R5B2L	R5B295	CC__0602__
38.00-49.20	1.496-1.937								
46.50-67.80	1.831-2.673								
				32SS-160	1.25SS-160	R5A2C	R5A2L	R5A295C	CC__0602__
47.00-68.30	1.850-2.689					R5A2			R5A295
60.50-86.10	2.375-3.383	128	5.039	32SS-163	1.25SS-163		R5A2L		TC__1102__
79.50-105.10	3.130-4.138	119	4.685	32SS-167	1.25SS-167	R7A2C	R7A2L	R7A295C	CC__09T3__

Boring bar, unit and inserts are ordered separately. Adjusting wrench is included with the boring unit.

Smartbore & Smartbore Nano

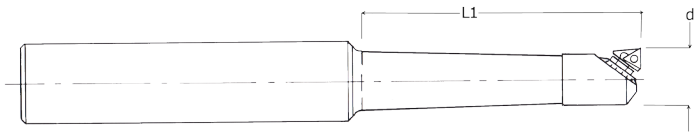


STANDARD BORING BARS
PLAIN STRAIGHT SHANK

with standard R unit for
roughing & semi-finishing

40SS / 1.50SS

RIGIBORE



Boring Range d		Bore Depth L1		Boring Bar Ordering Code	Boring Bar Ordering Code	Boring Unit & Approach Angle			Insert
mm	ins	mm	ins	METRIC	IMPERIAL	90°	75°	95°	
19.00-23.00	.748-.905	87	3.425	40SS-154	1.50SS-154	R2B2	R2B2L		TC__06T1__
23.00-27.00	.905-1.062								
23.00-31.00	.905-1.220					R3B1			
24.00-32.00	.945-1.260	107	4.212	40SS-155	1.50SS-155	R3B2C	R3B2L	R3B295	CC__0602__
27.00-35.00	1.062-1.378					R3B2			TC__0902__
28.00-42.00	1.103-1.654					R3A2C			CC__0602__
31.00-45.00	1.220-1.771	117	4.606	40SS-156	1.50SS-156	R3A2	R3A2L	R3A295	TC__0902__
28.00-42.00	1.103-1.654					R3A2C			CC__0602__
31.00-45.00	1.220-1.771					R3A2			TC__0902__
37.50-48.70	1.476-1.917	116	4.567	40SS-157	1.50SS-157	R5B2C	R3A2L	R3A295	CC__0602__
						R5B2			CC__0602__
									TC__1102__
38.00-49.20	1.496-1.937	173	6.811	40SS-158	1.50SS-158		R5B2L	R5B295	CC__0602__
37.50-48.70	1.476-1.917					R5B2C			CC__0602__
38.00-49.20	1.496-1.937					R5B2			TC__1102__
46.50-67.80	1.831-2.673	116	4.567	40SS-159	1.50SS-159		R5A2L	R5A295C	CC__0602__
						R5A2C			CC__0602__
						R5A2			TC__1102__
47.00-68.30	1.850-2.689	186	7.323	40SS-160	1.50SS-160		R5A2L	R5A295	TC__1102__
46.50-67.80	1.831-2.673					R5A2C			CC__0602__
47.00-68.30	1.850-2.689					R5A2			TC__1102__
60.50-86.10	2.375-3.383	128	5.039	40SS-161	1.50SS-161		R7A2L	R7A295C	CC__09T3__
						R7A2C			CC__09T3__
						R7A2			TC__16T3__
79.50-105.10	3.130-4.138	186	7.283	40SS-162	1.50SS-162		R7A2L	R7A295	CC__09T3__
						R7A2C			CC__09T3__
						R7A2			TC__16T3__
96.00-142.00	3.780-5.590	118	4.645	40SS-163	1.50SS-163		R7A2L	R7A295	CC__09T3__
						R7A2C			CC__09T3__
						R7A2			TC__16T3__

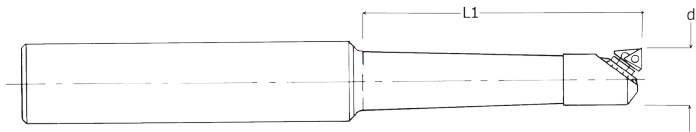
Boring bar, unit and inserts are ordered separately. Adjusting wrench is included with the boring unit.

STANDARD BORING BARS
PLAIN STRAIGHT SHANK

with standard R unit for
roughing & semi-finishing

50SS / 2.00SS

RIGIBORE

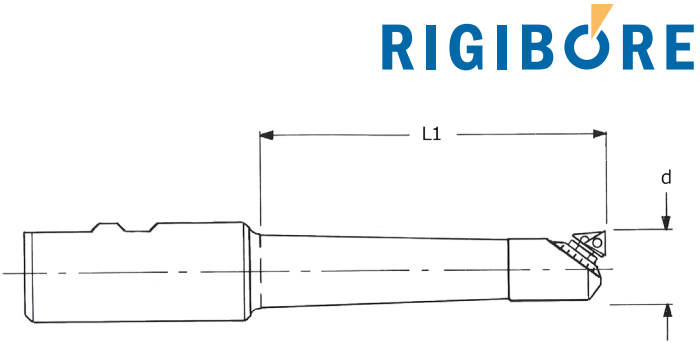


Boring Range d		Bore Depth L1		Boring Bar Ordering Code	Boring Bar Ordering Code	Boring Unit & Approach Angle			Insert
mm	ins	mm	ins	METRIC	IMPERIAL	90°	75°	95°	
19.00-23.00	.748-.905	87	3.425	50SS-154	2.00SS-154	R2B2	R2B2L		TC__06T1__
23.00-27.00	.905-1.062								
23.00-31.00	.905-1.220					R3B1			
24.00-32.00	.945-1.260	107	4.212	50SS-155	2.00SS-155	R3B2C	R3B2L	R3B295	CC__0602__
27.00-35.00	1.062-1.378					R3B2			TC__0902__
28.00-42.00	1.103-1.654					R3A2C			CC__0602__
31.00-45.00	1.220-1.771	117	4.606	50SS-156	2.00SS-156	R3A2	R3A2L	R3A295	TC__0902__
28.00-42.00	1.103-1.654					R3A2C			CC__0602__
31.00-45.00	1.220-1.771					R3A2			TC__0902__
37.50-48.70	1.476-1.917	116	4.567	50SS-157	2.00SS-157	R5B2C	R3A2L	R3A295	CC__0602__
						R5B2			CC__0602__
									TC__1102__
38.00-49.20	1.496-1.937	173	6.811	50SS-158	2.00SS-158		R5B2L	R5B295	CC__0602__
37.50-48.70	1.476-1.917					R5B2C			CC__0602__
38.00-49.20	1.496-1.937					R5B2			TC__1102__
46.50-67.80	1.831-2.673	116	4.567	50SS-159	2.00SS-159		R5A2L	R5A295C	CC__0602__
						R5A2C			CC__0602__
						R5A2			TC__1102__
47.00-68.30	1.850-2.689	186	7.323	50SS-160	2.00SS-160		R5A2L	R5A295	TC__1102__
46.50-67.80	1.831-2.673					R5A2C			CC__0602__
47.00-68.30	1.850-2.689					R5A2			TC__1102__
60.50-86.10	2.375-3.383	128	5.039	50SS-161	2.00SS-161		R7A2L	R7A295C	CC__09T3__
						R7A2C			CC__09T3__
						R7A2			TC__16T3__
79.50-105.10	3.130-4.138	186	7.283	50SS-162	2.00SS-162		R7A2L	R7A295	CC__09T3__
						R7A2C			CC__09T3__
						R7A2			TC__16T3__
96.00-142.00	3.780-5.590	119	4.685	50SS-163	2.00SS-163		R7A2L	R7A295	CC__09T3__
						R7A2C			CC__09T3__
						R7A2			TC__16T3__

Boring bar, unit and inserts are ordered separately. Adjusting wrench is included with the boring unit.

STANDARD BORING BARS
WELDON (DIN 1835B/ANSI B94-19)

with standard R unit for
roughing & semi-finishing
W25SS / W1.00SS

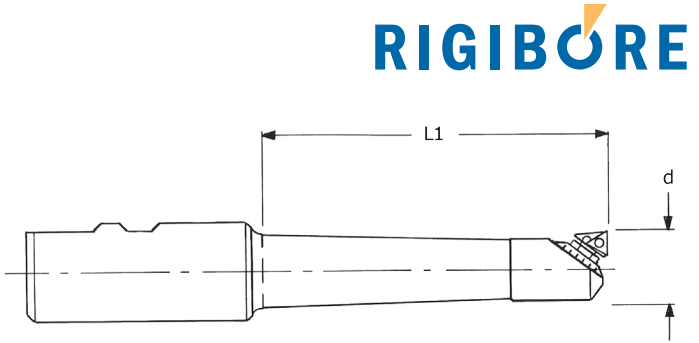


Boring Range d		Bore Depth L1		Boring Bar Ordering Code	Boring Bar Ordering Code	Boring Unit & Approach Angle			Insert
mm	ins	mm	ins	METRIC	IMPERIAL	90°	75°	95°	
15.875-17.40	.625-.685	83	3.268	W25SS-1535	W1.00SS-1535	R2B2S			TC__06T1__
16.67-18.25	.685-718			W25SS-1536	W1.00SS-1536				
17.40-19.00	.685-.748			W25SS-1537	W1.00SS-1537				
19.00-23.00	.748-.905	87	3.425	W25SS-154	W1.00SS-154	R2B2	R2B2L		
23.00-27.00	.905-1.062								
23.00-31.00	.905-1.220								
24.00-32.00	.945-1.260	107	4.212	W25SS-155	W1.00SS-155	R3B1		R3B295	CC__0602__
27.00-35.00	1.062-1.378					R3B2C			TC__0902__
28.00-42.00	1.103-1.654					R3B2			CC__0602__
31.00-45.00	1.220-1.771	117	4.606	W25SS-156	W1.00SS-156	R3A2C	R3A2L	R3A295	TC__0902__
37.50-48.70	1.476-1.917					R3A2			CC__0602__
46.50-67.80	1.831-2.673					R5B2C			TC__1102__
47.00-68.30	1.850-2.689	116	4.567	W25SS-158	W1.00SS-158	R5B2	R5B2L	R5B295	CC__0602__
60.50-86.10	2.375-3.383					R5A2C			TC__1102__
79.50-105.10	3.130-4.138					R5A2			CC__09T3__
79.50-105.10	3.130-4.138	128	5.039	W25SS-160	W1.00SS-160	R7A2C	R7A2L	R7A295	TC__16T3__
79.50-105.10	3.130-4.138	119	4.685	W25SS-163	W1.00SS-163	R7A2			CC__09T3__
79.50-105.10	3.130-4.138	119	4.685	W25SS-167	W1.00SS-167	R7A2C			TC__16T3__

Boring bar, unit and inserts are ordered separately. Adjusting wrench is included with the boring unit.

STANDARD BORING BARS
WELDON (DIN 1835B/ANSI B94-19)

with standard R unit for
roughing & semi-finishing
W32SS / W1.25SS



Boring Range d		Bore Depth L1		Boring Bar Ordering Code	Boring Bar Ordering Code	Boring Unit & Approach Angle			Insert
mm	ins	mm	ins	METRIC	IMPERIAL	90°	75°	95°	
19.00-23.00	.748-.905	87	3.425	W32SS-154	W1.25SS-154	R2B2	R2B2L		TC__06T1__
23.00-27.00	.905-1.062					R3B1			
23.00-31.00	.905-1.220					R3B2C			
24.00-32.00	.945-1.260	107	4.212	W32SS-155	W1.25SS-155	R3B2	R3B2L	R3B295	CC__0602__
27.00-35.00	1.062-1.378					R3A2C			TC__0902__
28.00-42.00	1.103-1.654					R3A2			CC__0602__
31.00-45.00	1.220-1.771	117	4.606	W32SS-156	W1.25SS-156	R5B2C	R5B2L	R5B295	TC__1102__
37.50-48.70	1.476-1.917					R5B2			CC__0602__
38.00-49.20	1.496-1.937					R5A2C			TC__1102__
46.50-67.80	1.831-2.673	116	4.567	W32SS-158	W1.25SS-158	R5A2	R5A2L	R5A295	CC__09T3__
47.00-68.30	1.850-2.689					R7A2C			TC__16T3__
60.50-86.10	2.375-3.383					R7A2			CC__09T3__
79.50-105.10	3.130-4.138	128	5.039	W32SS-160	W1.25SS-160	R7A2C	R7A2L	R7A295	TC__16T3__
79.50-105.10	3.130-4.138	119	4.685	W32SS-163	W1.25SS-163	R7A2			CC__09T3__
79.50-105.10	3.130-4.138	119	4.685	W32SS-167	W1.25SS-167	R7A2C			TC__16T3__

Boring bar, unit and inserts are ordered separately. Adjusting wrench is included with the boring unit.

Specialists In Special Tools



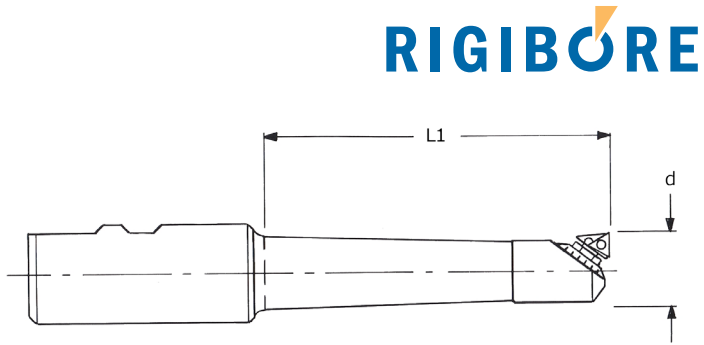
UFP Cartridges



STANDARD BORING BARS
WELDON (DIN 1835B/ANSI B94-19)

with standard R unit for
roughing & semi-finishing

W40SS / W1.50SS



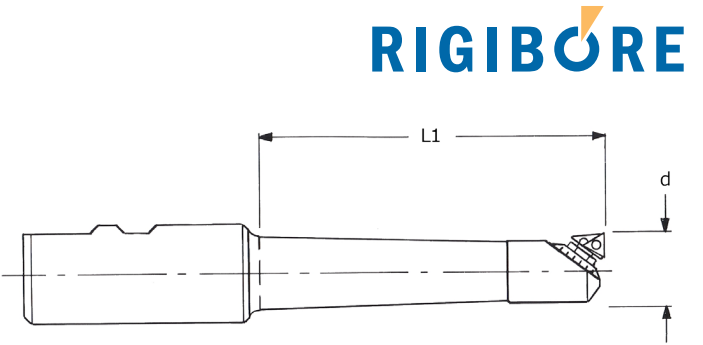
Boring Range d		Bore Depth L1		Boring Bar Ordering Code	Boring Bar Ordering Code	Boring Unit & Approach Angle			Insert
mm	Ins	Mm	ins	METRIC	IMPERIAL	90°	75°	95°	
19.00-23.00	.748-.905	87	3.425	W40SS-154	W1.50SS-154	R2B2	R2B2L		TC__06T1__
23.00-27.00	.905-1.062								
23.00-31.00	.905-1.220					R3B1			
24.00-32.00	.945-1.260	107	4.212	W40SS-155	W1.50SS-155	R3B2C	R3B2L	R3B295	CC__0602__
27.00-35.00	1.062-1.378					R3B2			TC__0902__
28.00-42.00	1.103-1.654					R3A2C			CC__0602__
31.00-45.00	1.220-1.771	117	4.606	W40SS-156	W1.50SS-156	R3A2	R3A2L	R3A295	TC__0902__
28.00-42.00	1.103-1.654					R3A2C			CC__0602__
31.00-45.00	1.220-1.771					R3A2			TC__1102__
37.50-48.70	1.476-1.917	116	4.567	W40SS-158	W1.50SS-158	R5B2C		R5B295	CC__0602__
						R5B2			TC__1102__
									CC__0602__
38.00-49.20	1.496-1.937	173	6.811	W40SS-159	W1.50SS-159		R5B2L		TC__1102__
37.50-48.70	1.476-1.917					R5B2C			CC__0602__
38.00-49.20	1.496-1.937					R5B2			TC__1102__
46.50-67.80	1.831-2.673	116	4.567	W40SS-160	W1.50SS-160	R5A2C		R5A295C	CC__0602__
						R5A2			TC__1102__
									CC__0602__
47.00-68.30	1.850-2.689	186	7.323	W40SS-161	W1.50SS-161		R5A2L		TC__1102__
46.50-67.80	1.831-2.673					R5A2C			CC__09T3__
47.00-68.30	1.850-2.689					R5A2			TC__16T3__
60.50-86.10	2.375-3.383	128	5.039	W40SS-163	W1.50SS-163	R7A2C	R7A2L	R7A295C	CC__09T3__
						R7A2			TC__16T3__
						R7A2C			CC__09T3__
79.50-105.10	3.130-4.138	119	4.685	W40SS-167	W1.50SS-167	R7A2C	R7A2L	R7A295C	CC__09T3__
						R7A2			TC__16T3__
						R7A2C			CC__09T3__
96.00-142.00	3.780-5.590	118	4.645	W40SS-170	W1.50SS-170	R7A2	R7A2L	R7A295	TC__16T3__
						R10A2C			CC__1204__
						R10A2			TC__16T3__

Boring bar, unit and inserts are ordered separately. Adjusting wrench is included with the boring unit.

STANDARD BORING BARS
WELDON (DIN 1835B/ANSI B94-19)

with standard R unit for
roughing & semi-finishing

W50SS / W2.00SS



Boring Range d		Bore Depth L1		Boring Bar Ordering Code	Boring Bar Ordering Code	Boring Unit & Approach Angle			Insert
mm	ins	mm	ins	METRIC	IMPERIAL	90°	75°	95°	
19.00-23.00	.748-.905	87	3.425	W50SS-154	W2.00SS-154	R2B2	R2B2L		TC__06T1__
23.00-27.00	.905-1.062								
23.00-31.00	.905-1.220					R3B1			
24.00-32.00	.945-1.260	107	4.212	W50SS-155	W2.00SS-155	R3B2C	R3B2L	R3B295	CC__0602__
27.00-35.00	1.062-1.378					R3B2			TC__0902__
28.00-42.00	1.103-1.654					R3A2C			CC__0602__
31.00-45.00	1.220-1.771	117	4.606	W50SS-156	W2.00SS-156	R3A2	R3A2L	R3A295	TC__0902__
28.00-42.00	1.103-1.654					R3A2C			CC__0602__
31.00-45.00	1.220-1.771					R3A2			TC__1102__
37.50-48.70	1.476-1.917	116	4.567	W50SS-158	W2.00SS-158	R5B2C		R5B295	CC__0602__
						R5B2			TC__1102__
									CC__0602__
38.00-49.20	1.496-1.937	173	6.811	W50SS-159	W2.00SS-159		R5B2L		TC__1102__
37.50-48.70	1.476-1.917					R5B2C			CC__0602__
38.00-49.20	1.496-1.937					R5B2			TC__1102__
46.50-67.80	1.831-2.673	116	4.567	W50SS-160	W2.00SS-160	R5A2C		R5A295C	CC__0602__
						R5A2			TC__1102__
									CC__0602__
47.00-68.30	1.850-2.689	186	7.323	W50SS-161	W2.00SS-161		R5A2L		TC__1102__
46.50-67.80	1.831-2.673					R5A2C			CC__09T3__
47.00-68.30	1.850-2.689					R5A2			TC__16T3__
60.50-86.10	2.375-3.383	128	5.039	W50SS-163	W2.00SS-163	R7A2C	R7A2L	R7A295C	CC__09T3__
						R7A2			TC__16T3__
						R7A2C			CC__09T3__
79.50-105.10	3.130-4.138	119	4.685	W50SS-167	W2.00SS-167	R7A2C	R7A2L	R7A295C	CC__09T3__
						R7A2			TC__16T3__
						R7A2C			CC__09T3__
96.00-142.00	3.780-5.590	118	4.645	W50SS-170	W2.00SS-170	R7A2	R7A2L	R7A295	TC__16T3__
						R10A2C			CC__1204__
						R10A2			TC__16T3__

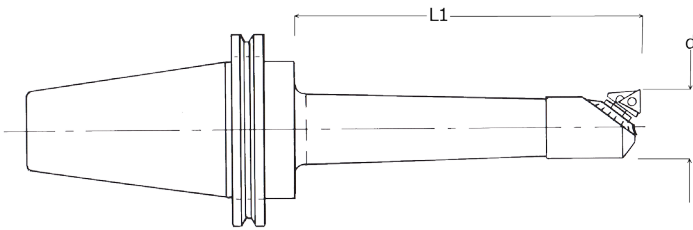
Boring bar, unit and inserts are ordered separately. Adjusting wrench is included with the boring unit.

STANDARD BORING BARS
TYPE CAT

with standard TR (Top-adjusting) unit for
finish boring

CAT50

RIGIBORE



Boring Range d		Bore Depth L1		Boring Bar Ordering Code	Boring Unit & Approach Angle			Insert
mm	ins	mm	ins		90°	75°	95°	
23.0-27.0	.905-1.062	87	3.425	CAT50-154		TR2B2L		TC__06T1__
23.6-27.6	.930-1.087				TR2B3			
28.0-31.0	1.103-1.220				TR3B1			
28.0-32.0	1.103-1.260	107	4.212	CAT50-155	TR3B2C	TR3B2L	TR3B295	CC__0602__
28.0-35.0	1.103-1.378				TR3B2			TC__0902__
31.0-42.0	1.220-1.654				TR3A2C			CC__0602__
31.0-45.0	1.220-1.771	117	4.606	CAT50-156	TR3A2	TR3A2L	TR3A295	TC__0902__
31.0-42.0	1.220-1.654				TR3A2C			CC__0602__
31.0-45.0	1.220-1.771				TR3A2			TC__0902__
37.5-48.7	1.476-1.917	116	4.567	CAT50-157	TR3A2C	TR3A2L	TR3A295	CC__0602__
					TR5B2C			CC__0602__
					TR5B2			TC__1102__
38.0-49.2	1.496-1.937	173	6.811	CAT50-158		TR5B2L	TR5B295	CC__0602__
37.5-48.7	1.476-1.917				TR5B2C			TC__1102__
38.0-49.2	1.496-1.937				TR5B2			CC__0602__
46.5-67.8	1.831-2.673	116	4.567	CAT50-159	TR5A2C	TR5A2L	TR5A295C	CC__0602__
47.0-68.3	1.850-2.689				TR5A2			TC__1102__
46.5-67.8	1.831-2.673				TR5A2C			CC__0602__
47.0-68.3	1.850-2.689	186	7.323	CAT50-160	TR5A2	TR5A2L	TR5A295C	CC__0602__
46.5-67.8	1.831-2.673				TR5A2C			TC__1102__
47.0-68.3	1.850-2.689				TR5A2			CC__0602__
46.5-67.8	1.831-2.673	208	8.187	CAT50-161	TR5A2C	TR5A2L	TR5A295C	CC__0602__
47.0-68.3	1.850-2.689				TR5A2			TC__1102__
46.5-67.8	1.831-2.673				TR5A2C			CC__0602__
47.0-68.3	1.850-2.689	128	5.039	CAT50-162	TR5A2	TR5A2L	TR5A295C	CC__0602__
61.5-85.6	2.422-3.370				TR7A2			TC__16T3__
62.2-87.8	2.450-3.455				TR7A2C			CC__09T3__
61.5-85.6	2.422-3.370	185	7.283	CAT50-163	TR7A2	TR7A2L	TR7A295	TC__16T3__
62.2-87.8	2.450-3.455				TR7A2C			CC__09T3__
61.5-85.6	2.422-3.370				TR7A2			TC__16T3__
62.2-87.8	2.450-3.455	280	11.025	CAT50-164	TR7A2C	TR7A2L	TR7A295C	CC__09T3__
61.5-85.6	2.422-3.370				TR7A2			TC__16T3__
62.2-87.8	2.450-3.455				TR7A2C			CC__09T3__
79.5-104.6	3.130-4.118	119	4.685	CAT50-165	TR7A2	TR7A2L	TR7A295	TC__16T3__
81.2-106.8	3.197-4.204				TR7A2C			CC__09T3__
79.5-104.6	3.130-4.118				TR7A2			TC__16T3__
81.2-106.8	3.197-4.204	199	7.835	CAT50-166	TR7A2C	TR7A2L	TR7A295C	CC__09T3__
79.5-104.6	3.130-4.118				TR7A2			TC__16T3__
81.2-106.8	3.197-4.204				TR7A2C			CC__09T3__
79.5-104.6	3.130-4.118	297	11.693	CAT50-167	TR7A2	TR7A2L	TR7A295	TC__16T3__
81.2-106.8	3.197-4.204				TR7A2C			CC__09T3__
79.5-104.6	3.130-4.118				TR7A2			TC__16T3__
95.3-141.3	3.752-5.562	118	4.645	CAT50-168	TR10A2C	TR10A2L	TR10A295C	CC__1204__
96.0-141.5	3.780-5.570				TR10A2			TC__16T3__
95.3-141.3	3.752-5.562				TR10A2C			CC__1204__
96.0-141.5	3.780-5.570	296	11.653	CAT50-169	TR10A2	TR10A2L	TR10A295	TC__16T3__
95.3-141.3	3.752-5.562				TR10A2C			CC__1204__
96.0-141.5	3.780-5.570				TR10A2			TC__16T3__

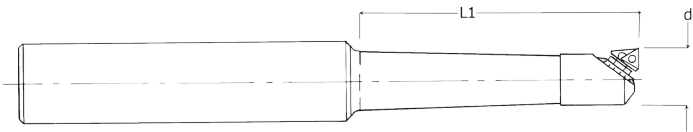
Boring bar, unit and inserts are ordered separately. Adjusting wrench is included with the boring unit.

STANDARD BORING BARS
PLAIN STRAIGHT SHANK

with standard TR (Top-adjusting) unit for
finish boring

25SS / 1.00SS

RIGIBORE



Boring Range d		Bore Depth L1		Boring Bar Ordering Code	Boring Bar Ordering Code	Boring Unit & Approach Angle			Insert
mm	ins	mm	ins	METRIC	IMPERIAL	90°	75°	95°	
23.0-27.0	.905-1.062	87	3.425	25SS-154	1.00SS-154		TR2B2L		TC__06T1__
23.6-27.6	.930-1.087					TR2B3			
28.0-31.0	1.103-1.220					TR3B1			
28.0-32.0	1.103-1.260	107	4.212	25SS-155	1.00SS-155	TR3B2C	TR3B2L	TR3B295	CC__0602__
28.0-35.0	1.103-1.378					TR3B2			TC__0902__
31.0-42.0	1.220-1.654					TR3A2C			CC__0602__
31.0-45.0	1.220-1.771	117	4.606	25SS-156	1.00SS-156	TR3A2	TR3A2L	TR3A295	TC__0902__
37.5-48.7	1.476-1.917					TR5B2C			CC__0602__
38.0-49.2	1.496-1.937					TR5B2			TC__1102__
46.5-67.8	1.831-2.673	116	4.567	25SS-158	1.00SS-158		TR5B2L	TR5B295	CC__0602__
47.0-68.3	1.850-2.689					TR5A2C			CC__0602__
61.5-85.6	2.422-3.370					TR5A2			TC__1102__
62.2-87.8	2.450-3.455	128	5.039	25SS-160	1.00SS-160		TR5A2L	TR5A295C	CC__0602__
79.5-104.6	3.130-4.118					TR7A2			TC__16T3__
81.2-106.8	3.197-4.204					TR7A2C			CC__09T3__
79.5-104.6	3.130-4.118	119	4.685	25SS-163	1.00SS-163	TR7A2	TR7A2L	TR7A295	TC__16T3__
81.2-106.8	3.197-4.204					TR7A2C			CC__09T3__
79.5-104.6	3.130-4.118					TR7A2			TC__16T3__
81.2-106.8	3.197-4.204	199	7.835	25SS-167	1.00SS-167	TR7A2C	TR7A2L	TR7A295C	CC__09T3__
79.5-104.6	3.130-4.118					TR7A2			TC__16T3__
81.2-106.8	3.197-4.204					TR7A2C			CC__09T3__

Boring bar, unit and inserts are ordered separately. Adjusting wrench is included with the boring unit.

Specialists In Special Tools

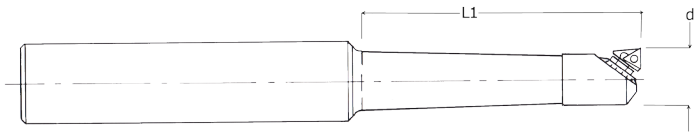


STANDARD BORING BARS
PLAIN STRAIGHT SHANK

with standard TR (Top-adjusting) unit for
finish boring

32SS / 1.25SS

RIGIBORE



Boring Range d		Bore Depth L1		Boring Bar Ordering Code	Boring Bar Ordering Code	Boring Unit & Approach Angle			Insert
mm	ins	mm	ins	METRIC	IMPERIAL	90°	75°	95°	
23.0-27.0	.905-1.062	87	3.425	32SS-154	1.25SS-154	TR2B3	TR2B2L		TC__06T1__
23.6-27.6	.930-1.087								
28.0-31.0	1.103-1.220								
28.0-32.0	1.103-1.260	107	4.212	32SS-155	1.25SS-155	TR3B2C	TR3B2L	TR3B295	CC__0602__
28.0-35.0	1.103-1.378								
31.0-42.0	1.220-1.654								
31.0-45.0	1.220-1.771	117	4.606	32SS-156	1.25SS-156	TR3A2C	TR3A2L	TR3A295	TC__0902__
37.5-48.7	1.476-1.917								
38.0-49.2	1.496-1.937								
46.5-67.8	1.831-2.673	116	4.567	32SS-158	1.25SS-158	TR5B2C	TR5B2L	TR5B295	TC__1102__
47.0-68.3	1.850-2.689								
61.5-85.6	2.422-3.370								
62.2-87.8	2.450-3.455	128	5.039	32SS-163	1.25SS-163	TR7A2C	TR7A2L	TR7A295	TC__16T3__
79.5-104.6	3.130-4.118								
81.2-106.8	3.197-4.204								

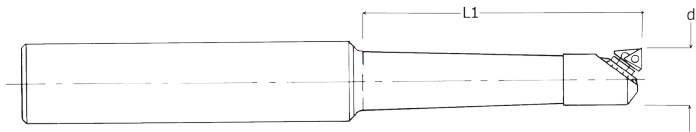
Boring bar, unit and inserts are ordered separately. Adjusting wrench is included with the boring unit.

STANDARD BORING BARS
PLAIN STRAIGHT SHANK

with standard TR (Top-adjusting) unit for
finish boring

40SS / 1.50SS

RIGIBORE



Boring Range d		Bore Depth L1		Boring Bar Ordering Code	Boring Bar Ordering Code	Boring Unit & Approach Angle			Insert
mm	ins	mm	ins	METRIC	IMPERIAL	90°	75°	95°	
23.0-27.0	.905-1.062	87	3.425	40SS-154	1.50SS-154	TR2B3	TR2B2L		TC__06T1__
23.6-27.6	.930-1.087								
28.0-31.0	1.103-1.220								
28.0-32.0	1.103-1.260	107	4.212	40SS-155	1.50SS-155	TR3B2C	TR3B2L	TR3B295	CC__0602__
28.0-35.0	1.103-1.378								
31.0-42.0	1.220-1.654								
31.0-45.0	1.220-1.771	117	4.606	40SS-156	1.50SS-156	TR3A2C	TR3A2L	TR3A295	TC__0902__
37.5-48.7	1.476-1.917								
38.0-49.2	1.496-1.937								
46.5-67.8	1.831-2.673	116	4.567	40SS-157	1.50SS-157	TR5B2C	TR5B2L	TR5B295	TC__1102__
47.0-68.3	1.850-2.689								
61.5-85.6	2.422-3.370								
62.2-87.8	2.450-3.455	128	5.039	40SS-158	1.50SS-158	TR7A2C	TR7A2L	TR7A295	TC__16T3__
79.5-104.6	3.130-4.118								
81.2-106.8	3.197-4.204								

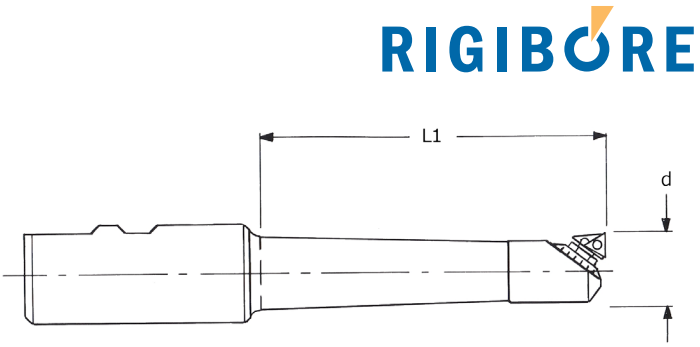
Boring bar, unit and inserts are ordered separately. Adjusting wrench is included with the boring unit.



STANDARD BORING BARS
WELDON (DIN 1835B/ANSI B94-19)

with standard TR (Top-adjusting) unit for finish boring

W32SS / W1.25SS



Boring Range d		Bore Depth L1		Boring Bar Ordering Code	Boring Bar Ordering Code	Boring Unit & Approach Angle			Insert
mm	ins	mm	ins	METRIC	IMPERIAL	90°	75°	95°	
23.0-27.0	.905-1.062	87	3.425	W32SS-154	W1.25SS-154	TR2B3	TR2B2L		TC__06T1__
23.6-27.6	.930-1.087								
28.0-31.0	1.103-1.220								
28.0-32.0	1.103-1.260	107	4.212	W32SS-155	W1.25SS-155	TR3B2C	TR3B2L	TR3B295	CC__0602__
28.0-35.0	1.103-1.378								
31.0-42.0	1.220-1.654								
31.0-45.0	1.220-1.771	117	4.606	W32SS-156	W1.25SS-156	TR3A2C	TR3A2L	TR3A295	TC__0902__
37.5-48.7	1.476-1.917								
38.0-49.2	1.496-1.937								
46.5-67.8	1.831-2.673	116	4.567	W32SS-158	W1.25SS-158	TR5B2C	TR5B2L	TR5B295	TC__1102__
47.0-68.3	1.850-2.689								
61.5-85.6	2.422-3.370								
62.2-87.8	2.450-3.455	128	5.039	W32SS-163	W1.25SS-163	TR7A2C	TR7A2L	TR7A295	TC__16T3__
79.5-104.6	3.130-4.118								
81.2-106.8	3.197-4.204								

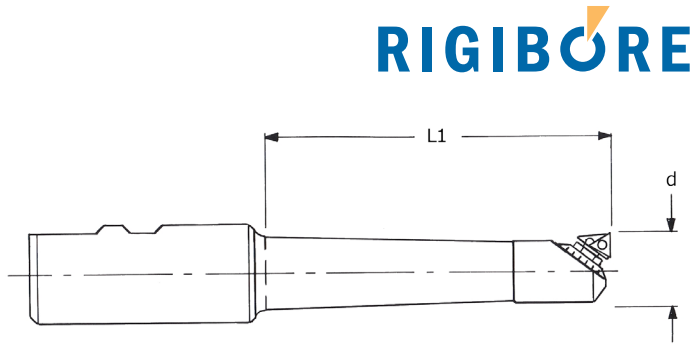
Boring bar, unit and inserts are ordered separately. Adjusting wrench is included with the boring unit.

Please Contact Us For Other Product Information

STANDARD BORING BARS
WELDON (DIN 1835B/ANSI B94-19)

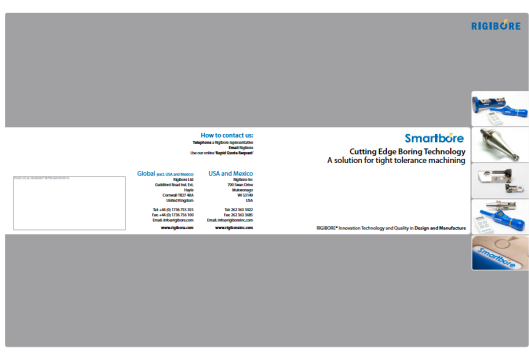
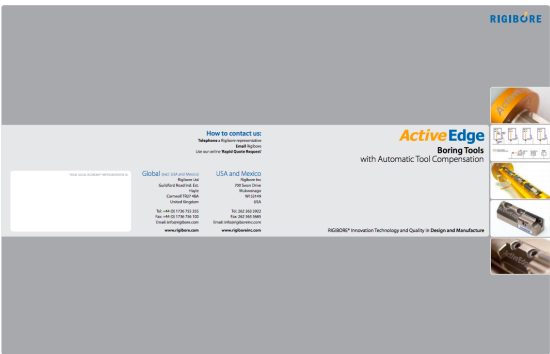
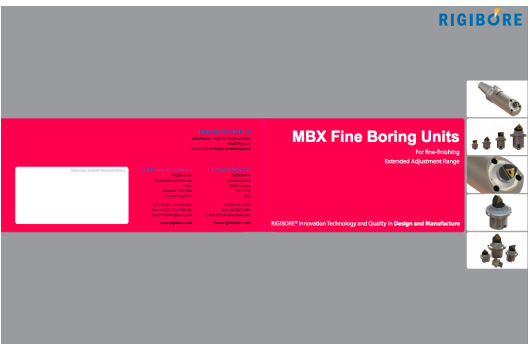
with standard TR (Top-adjusting) unit for finish boring

W40SS / W1.50SS



Boring Range d		Bore Depth L1		Boring Bar Ordering Code	Boring Bar Ordering Code	Boring Unit & Approach Angle			Insert
mm	ins	mm	ins	METRIC	IMPERIAL	90°	75°	95°	
23.0-27.0	.905-1.062	87	3.425	W40SS-154	W1.50SS-154	TR2B3	TR2B2L		TC__06T1__
23.6-27.6	.930-1.087								
28.0-31.0	1.103-1.220								
28.0-32.0	1.103-1.260	107	4.212	W40SS-155	W1.50SS-155	TR3B2C	TR3B2L	TR3B295	CC__0602__
28.0-35.0	1.103-1.375								
31.0-42.0	1.220-1.654								
31.0-45.0	1.220-1.771	117	4.606	W40SS-156	W1.50SS-156	TR3A2C	TR3A2L	TR3A29	TC__0902__
37.5-48.7	1.476-1.917								
38.0-49.2	1.496-1.937								
46.5-67.8	1.831-2.673	132	5.197	W40SS-157	W1.50SS-157	TR5B2C	TR5B2L	TR5B295	TC__1102__
47.0-68.3	1.850-2.689								
61.5-85.6	2.422-3.370								
62.2-87.8	2.450-3.455	116	4.567	W40SS-158	W1.50SS-158	TR7A2C	TR7A2L	TR7A295	TC__16T3__
79.5-104.6	3.130-4.118								
81.2-106.8	3.197-4.204								
95.3-141.03	3.520-5.562	118	4.645	W40SS-160	W1.50SS-160	TR10A2C	TR10A2L	TR10A295	CC__1204__
96.0-141.05	3.780-5.570								

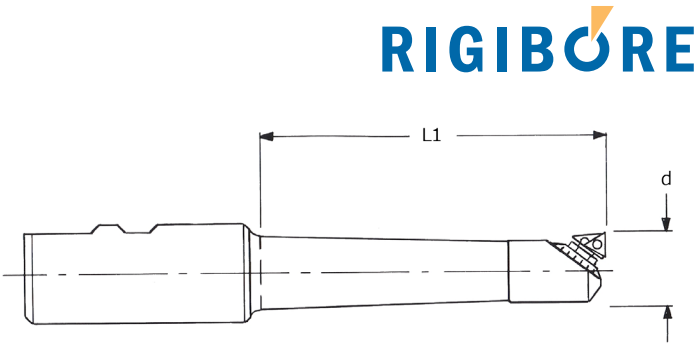
Boring bar, unit and inserts are ordered separately. Adjusting wrench is included with the boring unit.



STANDARD BORING BARS
WELDON (DIN 1835B/ANSI B94-19)

with standard TR (Top-adjusting) unit for finish boring

W50SS / W2.00SS



Boring Range d		Bore Depth L1		Boring Bar Ordering Code	Boring Bar Ordering Code	Boring Unit & Approach Angle			Insert
mm	ins	mm	ins	METRIC	IMPERIAL	90°	75°	95°	
23.0-27.0	.905-1.062	87	3.425	W50SS-154	W2.00SS-154	TR2B3	TR2B2L		TC__06T1__
23.6-27.6	.930-1.087								
28.0-31.0	1.103-1.220								
28.0-32.0	1.103-1.260	107	4.212	W50SS-155	W2.00SS-155	TR3B2C	TR3B2L	TR3B295	CC__0602__
28.0-35.0	1.103-1.378								
31.0-42.0	1.220-1.654								
31.0-45.0	1.220-1.771	117	4.606	W50SS-156	W2.00SS-156	TR3A2C	TR3A2L	TR3A29	TC__0902__
31.0-42.0	1.220-1.654								
31.0-45.0	1.220-1.771								
37.5-48.7	1.476-1.917	116	4.567	W50SS-157	W2.00SS-157	TR3A2C	TR3A2L	TR3A29	CC__0602__
38.0-49.2	1.496-1.937								
37.5-48.7	1.476-1.917								
38.0-49.2	1.496-1.937	173	6.811	W50SS-158	W2.00SS-158	TR5B2C	TR5B2L	TR5B295	TC__1102__
46.5-67.8	1.831-2.673								
47.0-68.3	1.850-2.689								
46.5-67.8	1.831-2.673	116	4.567	W50SS-159	W2.00SS-159	TR5B2C	TR5B2L	TR5B295	CC__0602__
47.0-68.3	1.850-2.689								
46.5-67.8	1.831-2.673								
47.0-68.3	1.850-2.689	186	7.323	W50SS-160	W2.00SS-160	TR5A2C	TR5A2L	TR5A295C	TC__1102__
61.5-85.6	2.422-3.870								
62.2-87.8	2.450-3.455								
61.5-85.6	2.422-3.870	128	5.039	W50SS-161	W2.00SS-161	TR7A2C	TR7A2L	TR7A295C	CC__09T3__
62.2-87.8	2.450-3.455								
79.5-104.6	3.130-4.118								
81.2-106.8	3.197-4.204	185	7.283	W50SS-162	W2.00SS-162	TR7A2C	TR7A2L	TR7A295C	TC__16T3__
79.5-104.6	3.130-4.118								
81.2-106.8	3.197-4.204								
95.3-141.3	3.752-5.562	119	4.685	W50SS-163	W2.00SS-163	TR10A2C	TR10A2L	TR10A295C	CC__1204__
96.0-141.5	3.780-5.570								

Boring bar, unit and inserts are ordered separately. Adjusting wrench is included with the boring unit.

STANDARD BORING BARS
PARALLEL BORING BARS
(METRIC)

with standard R unit for roughing & semi-finishing



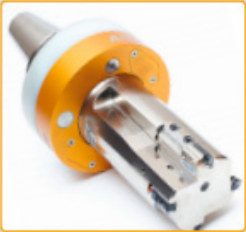
Boring Range D (mm)	Boring Unit & Approach Angle			Boring Bar Ordering Code	A dia	B	Insert
	90 °	75 °	95 °				
16.70-18.25	R2B2S			16PAR-536	16	145	TC__06T102
17.40-19.00				16PAR-537			
19.00-23.00				16PAR-540		160	
23.00-27.00	R3B1	R2B2L		20PAR-550	20	170	CC__060204
23.00-31.00							
24.00-32.00							
27.00-35.00	R3B2	R3B2L	R3B295	25PAR-560	25	185	CC__060204
28.00-42.00	R3A2C						
31.00-45.00	R3A2	R3A2L	R3A295				
37.50-48.70	R5B2C	R5B2L	R5B295	32PAR-580	32	245	CC__060204
38.00-49.20	R5B2						
46.50-67.80	R5A2C			40PAR-600	40		
47.00-68.30	R5A2		R5A295				
		R5A2L					

Boring bar, unit and inserts are ordered separately. Adjusting wrench is included with the boring unit.

ActiveEdge

Fully Automatic Boring Bar Compensation

- Automatic bore sizing
- Increase in cell productivity and throughput efficiency
- Consistent bore size control
- Increase in spindle utilisation
- Multiple edges with individual adjustment
- Reduces scrap
- Simple to set up



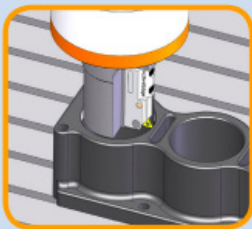
ActiveEdge

Remotely Adjustable Boring Bars

Adjust boring tools from hand held device without entering the machine.

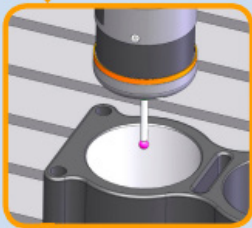
Reduces health and safety risks

Accurate adjustments without presetter



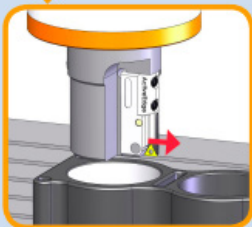
Bore

Pre-set tool bores hole on CNC Machine Tool.



Measure

Bored hole is measured with dedicated gauge or probe.



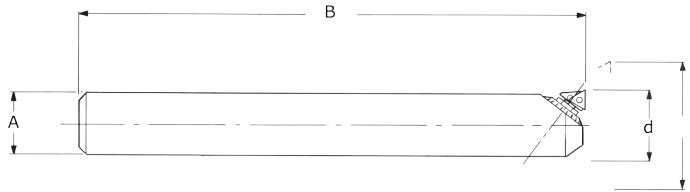
Automatic Adjust

Measurement is used to calculate adjustment for tool. Boring tool is wirelessly adjusted.

STANDARD BORING
BARS – PARALLEL BORING BARS
(METRIC)

with standard TR (Top-adjusting) unit for
finish boring

RIGIBORE



Boring Range D (mm)	Boring Unit & Approach Angle			Boring Bar Ordering Code	A dia	B	Insert
	90 °	75 °	95 °				
23.00-27.00		TR2B2L		16PAR-540	16	160	TC__ 06T102
23.60-27.60	TR2B3						
28.00-31.00	TR3B1	20PAR-550		20	170	CC__ 060204	
28.00-32.00	TR3B2C						
28.00-35.00	TR3B2	TR3B2L	TR3B295	25PAR-560	25	185	TC__ 090204
31.00-42.00	TR3A2C						CC__ 060204
31.00-45.00	TR3A2	TR3A2L	TR3A295	32PAR-580	32	245	TC__ 090204
37.50-48.70	TR5B2C		TR5B295				CC__ 060204
	TR5B2						TC__ 110204
38.00-49.20		TR5B2L					40PAR-600
46.50-67.80	TR5A2C		TR5A295C	CC__ 060204			
	TR5A2		TR5A295	TC__ 110204			
47.00-68.30		TR5A2L					

Boring bar, unit and inserts are ordered separately. Adjusting wrench is included with the boring unit.

STANDARD BORING BARS

With ‘F’ Style Units

- Standard ‘R’ Units For Roughing & Semi-Finishing
- Top-adjusting ‘TR’ units for fine-finishing

RIGIBORE

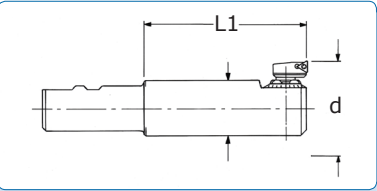


To order, specify the shank type with the boring bar reference

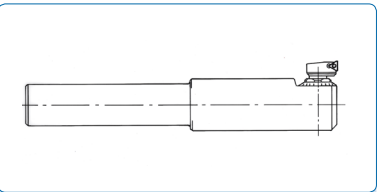
For example: BT40-260-098, W25SS-495-191

*LH (Left Hand Units) are available for back boring

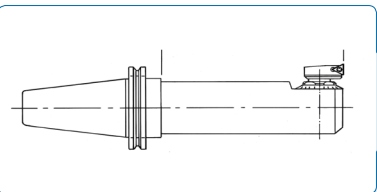
Standard boring bars with ‘F’ style units - Top-adjusting ‘TR’ units for
finishing



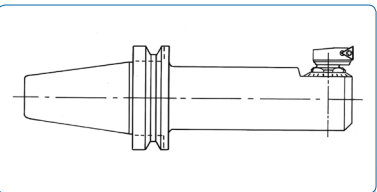
DIN 1835 Weldon mm/inch



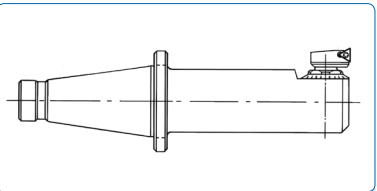
Straight Shank mm/inch



ANSIB550 / CAT / ISO7388



BT (MAS 403)



DIN 2080 / NMTB

Boring Range ‘d’		Boring Depth L1		Boring Unit & Approach Angle			Insert	Boring Bar Order Reference
mm	inch	mm	inch	90 °	75 °	95 °		
26.0-37.0	1.024-1.457	98	3.858	R2F5			TC__06T1__	SHANK TYPE-260-098
36.3-54.5	1.429-2.145	114	4.488	R3F5			TC__0902__	SHANK TYPE-363-114
49.5-76.3	1.949-3.004	151	5.945	R5F5*		R5F595	TC__1102__	SHANK TYPE-495-151
				R5F5C*			CC__0602__	
66.5-98.5	2.618-3.878	215	8.465	R7F5*	R7F5L	R7F595	TC__16T3__	SHANK TYPE-665-215
			8.645	R7F5C*		R7F595C	CC__09T3__	SHANK TYPE-662-215
97.0-154.4	3.819-6.079	217	8.543	R10F5	R10F5L	R10F595	TC__16T3__	SHANK TYPE-970-217
				R10F5C		R10F595C	CC__1204__	

Boring Range ‘d’		Boring Depth L1		Boring Unit & Approach Angle			Insert	Boring Bar Order Reference
mm	inch	mm	inch	90 °	75 °	95 °		
30.0-37.0	1.181-1.457	98	3.858	TR2F5			TC__06T1__	SHANK TYPE-260-098
36.3-54.5	1.429-2.145	114	4.488	TR3F5			TC__0902__	SHANK TYPE-363-114
49.5-76.3	1.949-3.004	151	5.945	TR5F5*		TR5F595	TC__1102__	SHANK TYPE-495-151
				TR5F5C*			CC__0602__	
74.0-98.5	2.913-3.878	215	8.465	TR7F5*	TR7F5L	TR7F595	TC__16T3__	SHANK TYPE-665-215
				TR7F5C*		TR7F595C	CC__09T3__	
97.0-154.4	3.819-6.079	217	8.543	TR10F5*	TR10F5L	TR10F595	TC__16T3__	SHANK TYPE-970-217
				TR10F5C*		TR10F595C	CC__1204__	



Top adjustment for units

TR2	0.25mm / .010 inch
TR3	0.35mm / .014 inch
TR5	0.5mm / .020 inch
TR7	0.75mm / .030 inch
TR10	0.87mm / .034 inch