

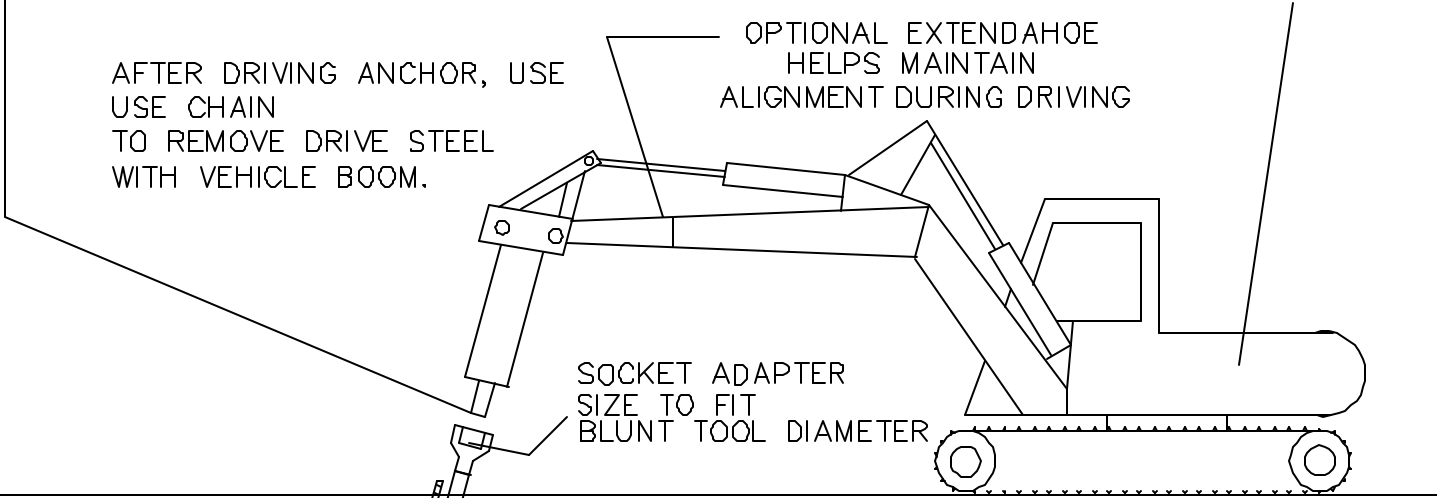
BLUNT CONCRETE BREAKING TOOL IN DEMOLITION HAMMER

6000 LB (2700KG)
TO 30000 (14000KG)
EXCAVATOR OR BACKHOE

AFTER DRIVING ANCHOR, USE
USE CHAIN
TO REMOVE DRIVE STEEL
WITH VEHICLE BOOM.

OPTIONAL EXTENDAHOE
HELPS MAINTAIN
ALIGNMENT DURING DRIVING

SOCKET ADAPTER
SIZE TO FIT
BLUNT TOOL DIAMETER



DRIVE STEEL EXTENSIONS

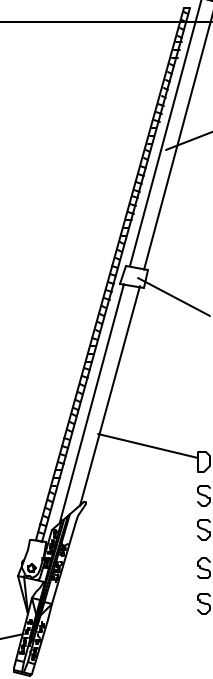
SG175-2-36	3' (.9M)	#50566
SG175-2-48	4' (1.2M)	#50567
SG175-2-72	6' (1.8M)	#50568
SG175-2-96	8' (2.4M)	#50569


SG175-4
DRIVE STEEL COUPLER
#50570

DRIVE STEEL RADIUS TIPS

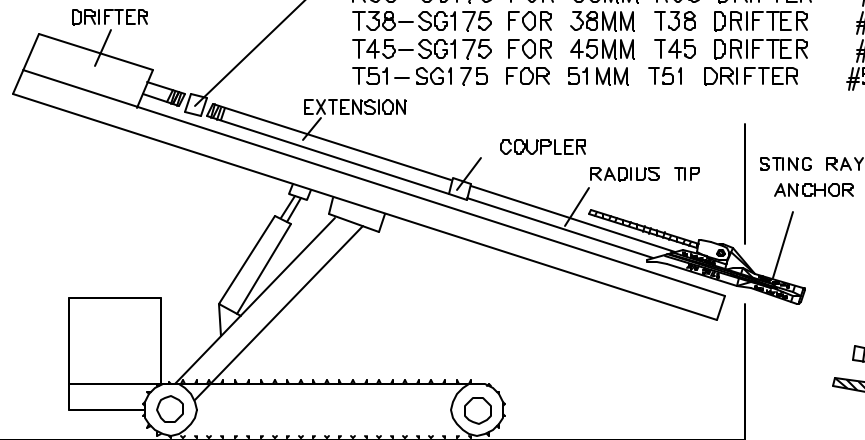
SG175-3-36	3' (.9M)	#50562
SG175-3-48	4' (1.2M)	#50563
SG175-3-72	6' (1.8M)	#50564
SG175-3-96	8' (2.4M)	#50565

STINGRAY
ANCHOR



A		3/9 04	TJ	REVISED TO SOCKET ADAPTER	
REV	ECN	DATE	BY	DESCRIPTION	
DIMENSIONS IN DIMENSIONS				 FORESIGHT PRODUCTS LLC (303) 286-8955	
tolerances UNLESS OTHERWISE SPECIFIED					
				STINGRAY INSTALLATION USING BOOM MOUNTED TOOLS	
material				title	
approved by				S20227	
checked by				number	
drawn by				rev	

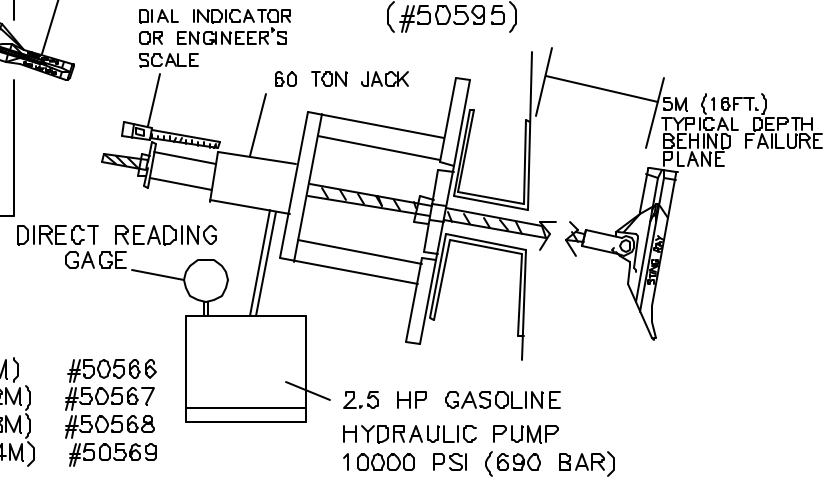
TRACK DRILL



STRIKER BAR ADAPTERS ADAPT TRACK DRILL DRIFTER TO SG175 DRIVE STEEL
 R38-SG175 FOR 38MM R38 DRIFTER #50555
 T38-SG175 FOR 38MM T38 DRIFTER #50556
 T45-SG175 FOR 45MM T45 DRIFTER #50557
 T51-SG175 FOR 51MM T51 DRIFTER #50558

STINGRAY® INSTALLATION

PROOF TESTING WITH SR-LLK LOAD LOCKING KIT (#50595)



DRIVE STEEL REQUIRED FOR EITHER METHOD:
 LENGTHS OPTIONAL AT CONTRACTOR'S DISCRETION

RADIUS TIPS:

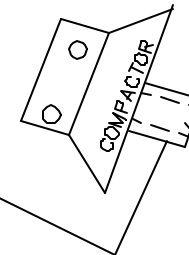
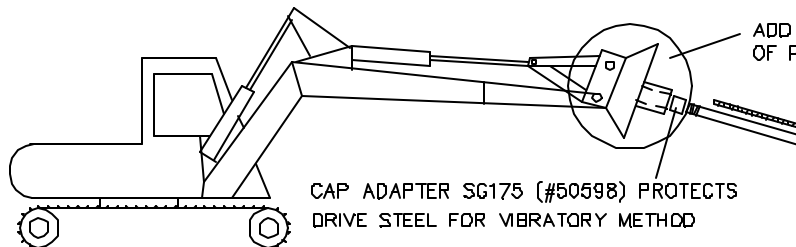
Part Number	Length	Radius	Part Number
SG175-3-36	3'	{.9M}	#50562
SG175-3-48	4'	{1.2M}	#50563
SG175-3-72	6'	{1.8M}	#50564
SG175-3-96	8'	{2.4M}	#50565

EXTENSIONS:

Part Number	Length	Radius	Part Number
SG175-2-36	3'	{.9M}	#50566
SG175-2-48	4'	{1.2M}	#50567
SG175-2-72	6'	{1.8M}	#50568
SG175-2-96	8'	{2.4M}	#50569

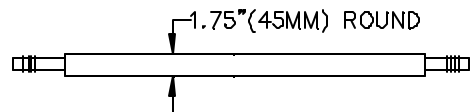
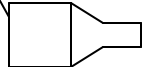
COUPLER SG175-4 #50570 (JOINS TIPS AND EXTENSIONS)

VIBRATORY PLATE COMPACTOR ON HYDRAULIC EXCAVATOR



3.00" (76MM) ID STEEL TUBE
 3" (75MM) LONG
 WELDED TO CENTER OF PLATE
 SLIPS OVER SG175 CAP ADAPTER
 WITH LOOSE FIT TO EASE
 PLACEMENT AND ALLOW SMALL
 MIS ALIGNMENT BETWEEN
 COMPACTOR AND DRIVE STEEL

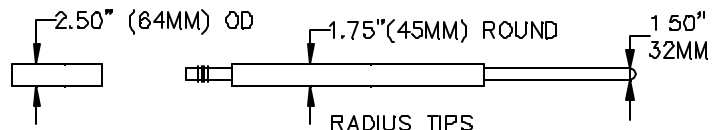
SOCKET ADAPTER SG175 FOR BLUNT TOOLS
VARIOUS MODELS FOR TOOL SIZES 2.5" - 5"



EXTENSIONS

SG175-2-36	3'	(0.9M) LENGTH	#50566
SG175-2-48	4'	(1.2M) LENGTH	#50567
SG175-2-72	6'	(1.8M) LENGTH	#50568
SG175-2-96	8'	(2.4M) LENGTH	#50569

CAP ADAPTER SG175
2.5" (64MM) OD
#50598



COUPLER
SG175-4
#50570

RADIUS TIPS

SG175-3-36	3'	(0.9M) LENGTH	#50562
SG175-3-48	4'	(1.2M) LENGTH	#50563
SG175-3-72	6'	(1.8M) LENGTH	#50564
SG175-3-96	8'	(2.4M) LENGTH	#50565

TIPS TO FIT MANTA RAY ANCHORS ALSO
AVAILABLE- CONTACT YOUR DISTRIBUTOR

NOTE 1) THIS SYSTEM SHOULD BE USED WITH BOOM MOUNTED DEMOLITION (PAVEMENT BREAKER) HAMMERS
OR VIBRATORY PLATE COMPACTORS MAXIMUM ALLOWABLE IMPACT ENERGY FOR THIS SYSTEM IS 1000 FT-LBS (1360 J)
MAXIMUM ALLOWABLE VIBRO CENTRIFUGAL FORCE IS 20000 LBS (9100 KG).

NOTE 2) THE WRENCH FLATS ON THIS SYSTEM ARE DESIGNED FOR 24" (600MM) ADJUSTABLE WRENCHES.

NOTE 3) STRIKER BAR ADAPTERS (COMBO COUPLERS) ARE AVAILABLE FOR ROCK DRILL USERS THIS ALLOWS THE USER TO
ADAPT A SHORT STRINGRAY RADIUS TIP DRIVE STEEL TO HIS DRILL STEEL SYSTEM.
AVAILABLE FOR R3B, T3B, T45, T51 DRILL STEEL SYSTEMS

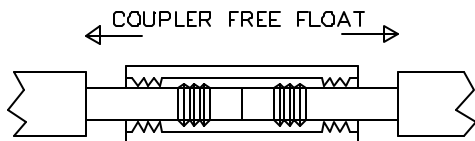
NOTE 4) ALL STINGRAY DRIVE STEEL UTILIZES
LEFT HANDED STINGER THREADS. THIS PATENTED PARTIAL THREAD FORM
REDUCES HEAT BUILD UP IN COUPLERS.

TO COUPLE:

TURN DRIVE STEEL COUNTERCLOCKWISE AS VIEWED FROM ABOVE
UNTILL DRIVE STEEL SLIDES INTO COUPLER AND COUPLER "FREE FLOATS"

TO UN COUPLE:

PULL BACKWARD ON DRIVE STEEL AND TURN CLOCWISE
AS VIEWED FROM ABOVE.



COUPLER SHOWN IN SECTION

A		4/7 2003	TJ	ADDED SOCKET ADAPTERS
REV	ECN	DATE	BY	DESCRIPTION
DIMENSIONS IN				FORESIGHT PRODUCTS LLC (303) 286-8955
tolerances UNLESS OTHERWISE SPECIFIED: X.X ± X.XX ± X.XXX ± ANGLE ± 2°				
material				SG175 DRIVE STEEL SYSTEM FOR STINGRAY
approved by				title
checked by				S20226
drawn by TEJ				number
				A
				rev

PROCEDURE

- 1) SET POWER UNIT TO PROPER SPEED
- 2) HOLD AT SPECIFIED LOAD
- 3) MEASURE DEFLECTION AT BEGINNING AND END OF REQUIRED TIME
- 4) SUBTRACT BEGINNING DEFLECTION FROM ENDING DEFLECTION
- 5) THIS DIFFERENCE IS THE ANCHOR MOVEMENT
- 6) COMPARE TO ALLOWABLE MOVEMENT

ADAPTER SETTING BAR EXTENDS ANCHOR ROD THROUGH HOLLOW JACK.

IMPORTANT NOTE: ADAPTER SETTING BAR MUST BE ORDERED SEPARATELY FROM SR-LLK LOAD LOCKING KIT TO ENSURE COMPATIBILITY WITH ANCHOR ROD THREADS.

DIAL INDICATOR MOUNTED TO FIXED, NON MOVING REFERENCE MEASURES DEFLECTION AT TOP OF ADAPTER SETTING BAR.

60 TON JACK (DOUBLE ACTING)

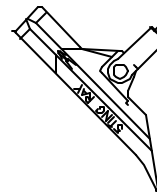
ALTERNATE METHOD: USE TAPE MEASURE OR STEEL TO MEASURE GAP BETWEEN PLATE AND TOP OF JACK

MEASURE THIS GAP

ANGLE BASE

REACTION TUBE

POWER UNIT, CONTROL VALVE, GAGE AND HOSES NOT SHOWN



#50761 SR-LLK ANCHOR LOCKER - TOWERS
KIT INCLUDES 60 TON JACK, REACTION TUBE, ANGLE BASE,
5 HP / 10000 PSI HYDRAULIC POWER UNIT, HOSES,
CONTROL VALVE, AND DIRECT READING GAGE

	1/25 2000	TJ	ORIGIN
REV	DATE	BY	DESCRIPTION



FORESIGHT
PRODUCTS inc
(303) 286-8955

STING RAY PROOF TEST
WITH SR-LLK FOR
TOWERS

title	
S20316	
number	rev

3C\FORSIGHT\SKFTCHF5\S20316

PROCEDURE

- 1) SET POWER UNIT TO PROPER SPEED
- 2) HOLD AT SPECIFIED LOAD
- 3) MEASURE DEFLECTION AT BEGINNING AND END OF REQUIRED TIME
- 4) SUBTRACT BEGINNING DEFLECTION FROM ENDING DEFLECTION
- 5) THIS DIFFERENCE IS THE ANCHOR MOVEMENT
- 6) COMPARE TO ALLOWABLE MOVEMENT
- 7) LOCK OFF AT SPECIFIED LOAD

DIAL INDICATOR MOUNTED TO A FIXED NON MOVING REFERENCE MEASURES DEFLECTION AT TOP OF ADAPTER SETTING BAR.

ADAPTER SETTING BAR EXTENDS ANCHOR ROD THROUGH HOLLOW JACK.

IMPORTANT NOTE: ADAPTER SETTING BAR MUST BE ORDERED SEPARATELY FROM SR-LLK LOAD LOCKING KIT TO ENSURE COMPATIBILITY WITH ANCHOR ROD THREADS.

#50595 SR-LLK ANCHOR LOCKER KIT INCLUDES 60 TON JACK, BASE, HYDRAULIC POWER UNIT, HOSE, CONTROL VALVE, AND DIRECT READING GAGE.

ALTERNATE METHOD FOR NON CRITICAL APPLICATIONS: USE TAPE MEASURE OR ENGINEER'S SCALE TO MEASURE MOVEMENT OF CYLINDER

MEASURE THIS GAP

60 TON JACK

LOAD LOCKER BASE ALLOWS ANCHOR TO BE LOCKED OFF UNDER APPROPRIATE LOAD

HOSE

GAGE

CONTROL VALVE

POWER UNIT

SPREADER PLATE

PART NO.: 50595

DESCRIPTION: SR-LLK FOR RET WALLS

B	1/25 2000	TJ	REVISED FOR TOWERS ADDED PART NUMBERS
REV	DATE	BY	DESCRIPTION



FORESIGHT PRODUCTS inc
(303) 286-8955

STING RAY PROOF TEST WITH SR-LLK FOR RETAINING WALLS

title

S20154

number

B

rev

SECTION VIEW

