

Smart Die[™] II / FlexDie[™]

3A1738K

- For professional application of thermoplastic traffic marking compound materials (reflective beads applied simultaneously with screeding) -
 - For outdoor use only (not to be operated in rain or damp conditions) -



IMPORTANT SAFETY INSTRUCTIONS

For complete warnings and safety instructions, see ThermoLazer[®] 200/200TC/300TC and ThermoLazer ProMelt[™] Pavement Marking Systems operation manual. Save all instructions.

For use with ThermoLazer 300TC/ProMeIt For use with the following

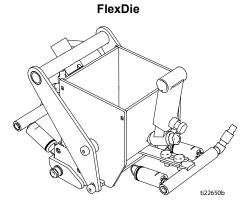
SmartDie II Screed Box: Part Description

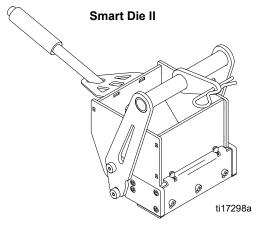
17A173	2 in. (5 cm)
24H431	3 in. (8 cm)
24H426	4 in. (10 cm)
17J250	4.75 in. (12 cm)
24H432	5 in. (13 cm)
24H427	6 in. (15 cm)
24H433	7 in. (18 cm)
24H428	8 in. (20 cm)
24H434	9 in. (22.5 cm)
24H429	10 in. (25 cm)
24H430	12 in. (30 cm)
17A174	16 in. (40 cm)
26D111	18 in. (45 cm)
24H437	3-3-3 in. (8-8-8 cm)
24H435	4-3-4 in. (10-8-10 cm)
24H436	4-4-4 in. (10-10-10 cm)
24J785	4-6-4 in. (10-15-10 cm)
17R378	5-5-5 in. (13-13-13 cm)
26C273	6-3-6 in. (15-8-15 cm)

For use with ThermoLazer 200/200TC

For use with the following FlexDie Screed Box:

Part	Description
16Y661	2 in. (5 cm)
16Y662	3 in. (8 cm)
16Y320	4 in. (10 cm)
16Y663	5 in. (12 cm)
16Y190	6 in. (15 cm)
16Y664	7 in. (18 cm)
16Y326	8 in. (20 cm)
16Y665	9 in. (22.5 cm)
16Y332	10 in. (25 cm)
16Y207	12 in. (30 cm)
26D189	18 in. (45 cm)
16Y338	3-3-3 in. (8-8-8 cm)
16Y352	4-3-4 in. (10-8-10 cm)
16Y666	4-2-4 in. (10-5-10 cm)
16Y363	4-4-4 in. (10-10-10 cm)
26D109	6-3-6 (15-8-15 cm)





NOTE: This die is factory-set for 90 mil (1.8 mm) line thickness. See page 5 for adjusting line thickness.

Related Manuals:

Operation	3A1319
Repair	3A1320
Parts	3A1321
Double Bead Box	3A0004

Warnings

The following are general warnings related to the safe setup, use, grounding, maintenance and repair of this equipment. In the text of this manual, the exclamation point symbol alerts you to a warning and the hazard symbol refers to specific risks. Refer back to these General Warnings pages. Additional procedure-specific warnings will be included where applicable.

WARNING



FIRE AND EXPLOSION HAZARD

Flammable fumes and liquids, such as propane gas, gasoline and combustible fuel, in **work area** can ignite or explode. To help prevent fire and explosion:

- Do not use equipment unless fully trained and qualified.
- Do not allow open containers of flammables within 25 ft (7.6 m) of equipment. Do not operate equipment within 10 ft (3 m) of any structure, combustible material, or other gas cylinders.
- Shut off all burners when adding fuel to equipment.
- Close the tank shut-off valve immediately if you smell propane gas; extinguish all open flames. If gas
 odor continues, keep away from equipment and immediately call the fire department.
- Follow lighting instructions for the burner and torch.
- · Do not heat thermoplastic traffic marking compound material above its maximum temperature rating
- Fire extinguisher equipment shall be present and working.
- · Keep work area free of debris, including solvent, rags and gasoline.



EQUIPMENT MISUSE HAZARD

Misuse can cause death or serious injury.

- Do not leave equipment unattended.
- Keep children and animals away from work area.
- Do not exceed the maximum working pressure or temperature rating of the lowest rated system component. See **Technical Data** in all equipment manuals.
- Check equipment daily. Repair or replace worn or damaged parts immediately with genuine manufacturer's replacement parts only.
- Do not alter or modify equipment.
- Use equipment only for its intended purpose. Call your Graco distributor for information.
- Do not fill material beyond maximum capacity.
- Route gas lines, hoses, wires and cables away from traffic areas, sharp edges, moving parts, and hot surfaces.
- Do not kink or overbend gas lines.
- Do not override or defeat safety devices.
- Do not operate the unit when fatigued or under the influence of drugs or alcohol.



BURN HAZARD

Equipment surfaces and fluid that is heated can become very hot during operation. To avoid severe burns:

· Do not touch hot fluid or equipment.



CARBON MONOXIDE HAZARD

Exhaust contains poisonous carbon monoxide, which is colorless and odorless. Breathing carbon monoxide can cause death. Do not operate in an enclosed area.

WARNING

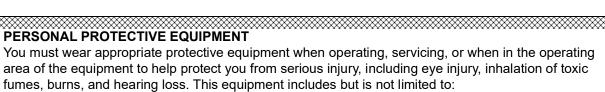


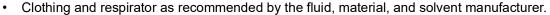
TOXIC FLUID OR FUMES HAZARD

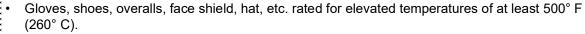
Toxic fluids or fumes can cause serious injury or death if splashed in the eyes or on skin, inhaled, or swallowed.

Read MSDS to know the specific hazards of the materials you are using.













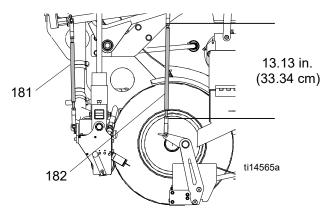




Linkage Rod Adjustment

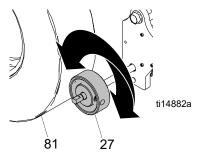
Adjustments can be made to linkage rods by removing clevis cotter hairpin (268), clevis pin from clevis (179), loosening nuts (128), and then turning clevis as required to lengthen or shorten rod connectors.

To ensure proper application of beads and thermoplastic, make sure screed box linkage rod (182) measures 13.13 in. (33.34 cm). Be sure to measure where nut (128) meets clevis (179) when checking for proper linkage rod length.

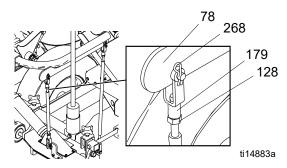


Adjust the bead box linkage rod (181) so bead box drive wheel (27) is touching ThermoLazer tire (81) when screed box is in down (but not open) position. A slight downward force on the bead box rod (181) should be required when inserting the clevis pin through the clevis (179) and deployment bar (78).

1. With screed box in down (but not open) position, rotate the bead box wheel by hand.



 If the wheel does not cause the ThermoLazer tire to rotate both forward and backwards, loosen nuts (128), remove clevis cotter hair pin (268), remove clevis pin from clevis (179), and rotate the clevis (179) one turn counterclockwise.



- 3. Reconnect clevis to deployment bar and again rotate bead box wheel to see if adjustments cause ThermoLazer to move forward and backwards.
- 4. Continue to rotate clevis 1/2 turn counterclockwise until rotating bead box wheel causes ThermoLazer to move forward and backwards.
- 5. Lock nut (128) to clevis when final adjustment has been made.

NOTE: Linkage rod (182): If converting from SmartDie to SmartDie II, use Die Link Kit 24J714.

6. 26D189 SmartDie only: Install bracket as shown.



Screed Box ThermoLazer 200/200 TC

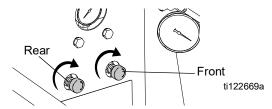
Installation



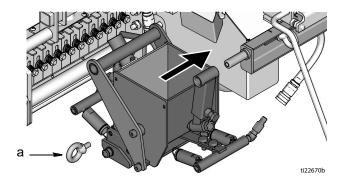


Use extreme caution when installing and removing screed box. Expect all equipment components and material to be extremely hot. See MSDS for Thermoplastic Traffic Marking Compound.

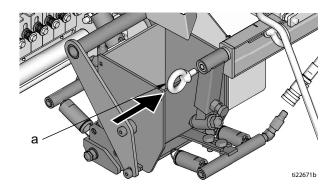
1. Shut off screed box burners.



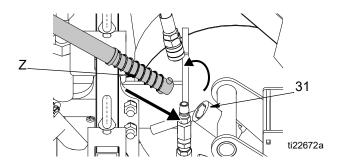
2. Remove bolt (a) and slide FlexDie into place.



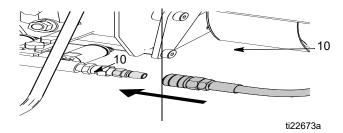
3. Replace and tighten bolt (a).



4. Attach spring loaded handle (Z) to the yoke (31) and turn 90 degrees to lock into place.



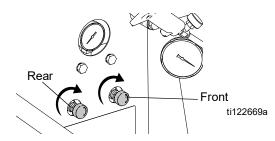
5. Attach both gas hoses to quick release couplings (10).



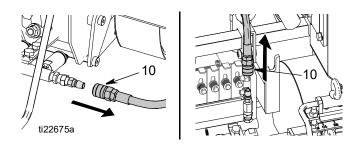
6. Re-light screed box burners as required.

Removal

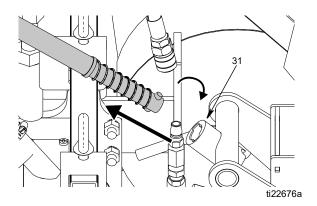
1. Shut off screed box burners.



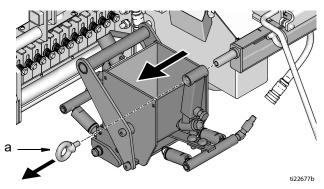
2. Remove the two gas hoses from quick release couplings (10).



3. Push in and turn spring loaded handle 90 degrees and remove from yoke (31).



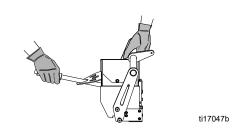
4. Remove bolt and slide FlexDie box off.



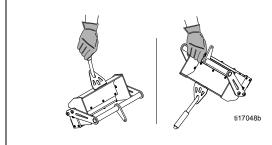


BURN HAZARD

Make sure to use two hands when picking up screed box. Place one hand on yoke and one hand on rod.



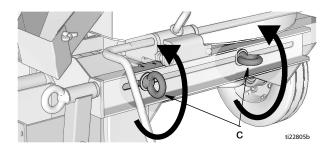
Do **NOT** pick up screed box with one hand and/or at one location.



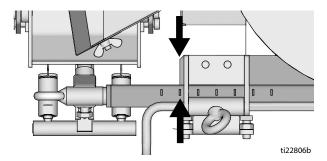
Adjustments

For optimum delivery of the thermoplastic material, make sure the screed box is aligned to center on kettle trough.

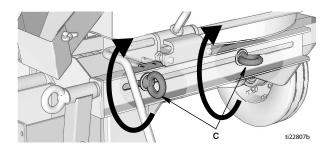
1. Loosen two bolts (c) on mounting bracket.



2. Slide mount left or right until edge of the frame is aligned with desired markings on bracket.



3. Tighten bolts (c) on screed box mounting bracket.



Screed Box Thermolazer 300Tc/ProMelt

Installation







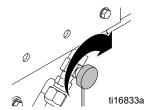




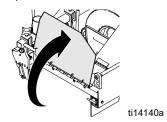


Use extreme caution when installing and removing screed box. Expect all equipment components and material to be extremely hot. See MSDS for Thermoplastic Traffic Marking Compound.

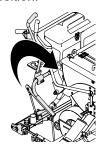
1. Shut off front and rear screed box burners.



2. Open screed shroud door.

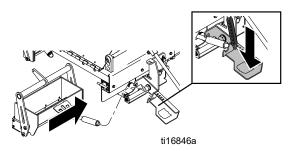


3. Move screed box actuator out of full raised locked position.

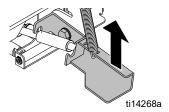


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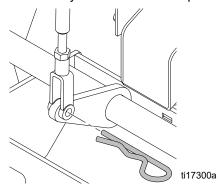
4. Slide screed box under screed shroud and press down on screed box lever.



5. Engage screed box rod into screed box lever.



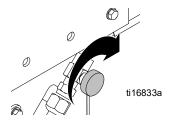
6. Align hole of rod clevis with connecting hole in screed box yoke and install hairpin cotter pin.



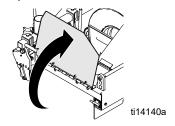
7. Close and lock screed shroud door.

Removal

1. Shut off screed box burner.



2. Open screed shroud door.

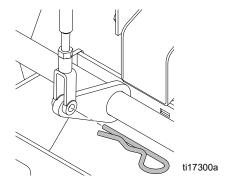


3. Set screed box on ground but not in locked open posi-

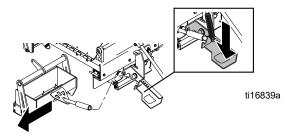


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4. Remove hairpin cotter pin connecting screed box to rod clevis.



5. Press down screed box lever.

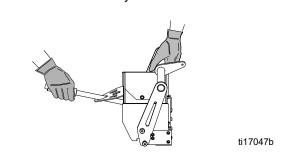


6. Disengage screed box rod from screed box lever and carefully remove screed box.

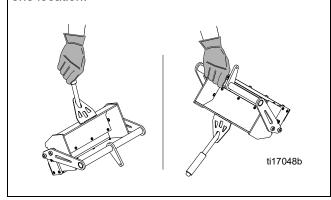


BURN HAZARD

Make sure to use two hands when picking up screed box. Place one hand on yoke and one hand on rod.



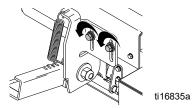
Do NOT pick up screed box with one hand and/or at one location.



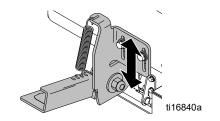
Adjustment

The height and angle of the screed box can be adjusted to ensure a solid line of material on any surface. For optimum delivery of thermoplastic material, make sure the screed box runner is adjusted as described.

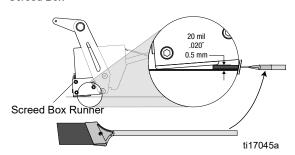
1. Loosen two bolts on screed box mounting bracket.



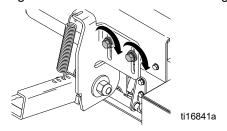
 Slide mount down until leading box edge of screed box runner is just off of the ground surface. For best performance, raise leading edge .020 in. (0.5 cm) off ground surface. Scraper blade may be used to set this depth.



Screed Box

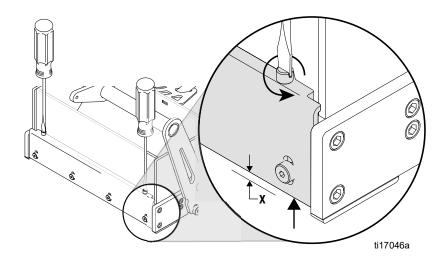


3. Tighten bolts on screed box mounting bracket.



4. Spring position may be moved to a different hole. The farthest holes provide greatest force to close the gate.

Screed Box Line Thickness Adjustment



x [†]	(
mil	# Turns
30	0,6
60	1,2
90	1,8
120	2,4
150	3,0
mm	# Turns
0,5	0,4
1,0	0,8
1,5	1,2
1,5	,
2,0	1,6

NOTE: 1/4 turn will change line thickness by .013 in. (0.3 mm). Turn the line adjustment screw clockwise for a thinner line, or counterclockwise for a thicker line.

Typical settings on pavement: 0.060 - 0.125 in. (0.153 - 0.318 cm).

Typical settings on metal stencil: Flush - 0.0 in. (0.0 cm).

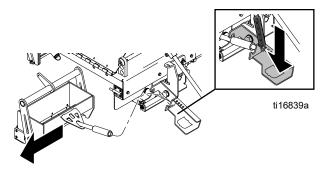
- Move screed box actuator to middle position. Make sure screed box is closed and resting on the ground. NOTE: All screed boxes are initially set at 90 mil (1.8 mm). Adjustment may be required before first use.
- 2. Use a flat screwdriver to turn line adjustment screw clockwise so that line thickness is zero.
- 3. Turn line adjustment screw counter-clockwise until desired line thickness is reached.
- 4. Measure line thickness after applying thermoplastic and adjust as necessary.

Carbide Runner Replacement on Screed Box (1 on each side)

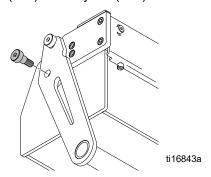
NOTICE

Carbide runners need to be replaced one side at a time. If both runners are removed, adjustment will be lost and screed box will need to be reassembled by a Graco approved technician.

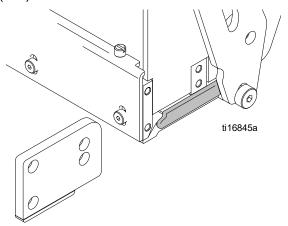
1. Remove screed box.



2. Use allen wrench to loosen and remove upper pivot bolt (511) to free yoke (502).

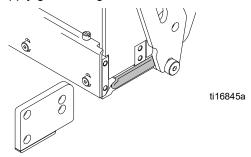


3. Turn unit upside-down and use an allen wrench to remove four screws (513) and plate, die runner (504).

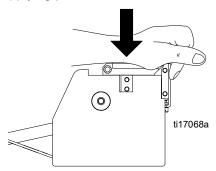


Installation

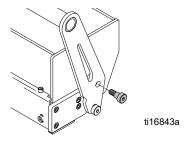
1. Apply grease to groove where carbide runner sits.



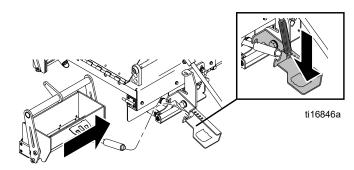
- 2. Replace plate, die runner (504) with new plate, die runner.
- While applying pressure to shear bar (506) directly over support bar (509), use allen wrench to replace and tighten four screws (513). There should be no gap between the shear bar and support bar when applying pressure.



4. Use allen wrench to replace and tighten pivot bolt (511) on yoke (502).



5. Install screed box.

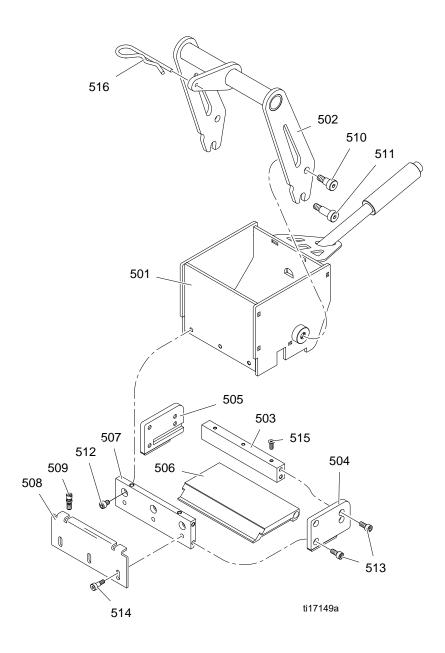


Notes

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Parts - SmartDie II Box

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17A173
          2 in. (5 cm)
          3 in. (8 cm)
4 in. (10 cm)
24H431
24H426
17J250
          4.75 in. (12 cm)
24H432
          5 in. (13 cm)
          6 in. (15 cm)
24H427
          7 in. (18 cm)
24H433
24H428
          8 in. (20 cm)
24H434
          9 in. (22.5 cm)
          10 in. (25 cm)
24H429
          12 in. (30 cm)
24H430
          16 in. (40 cm)
17A174
          18 in. (45 cm)
26D111
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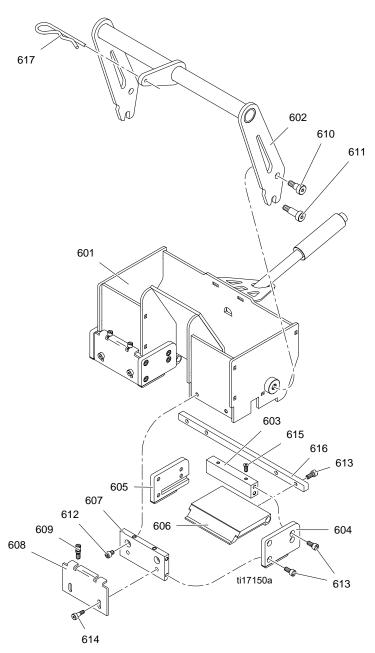


Parts List - SmartDie II Box

Ref.	Part	Description	Qty.	Ref.	Part	Description	Qty.
19	104541	NUT, lock (26D111) (not shown)	2		16H015	BAR, shear (24H427)	1
20		SCREW, 5/16-18 x 3.75 hx (26D111)	2		16H021	BAR, shear (24H433)	1
		(not shown)			16H016	BAR, shear (24H428)	1
21	26D563	BRACKET, smart die (26D111) (not	1			BAR, shear (24H434)	1
		shown)				BAR, shear (24H429)	1
501	24H565	BOX, die, weldment (17A173)	1			BAR, shear (24H430)	1
		BOX, die, weldment (24H431)	1			BAR, shear (17A174)	1
		BOX, die, weldment (24H426)	1			BAR, shear (26D111)	1
		BOX, die, weldment (17J250)	1	507		BAR, shear, stop (17A173)	1
		BOX, die, weldment (24H432)	1			BAR, shear, stop (24H431)	1
	24H565	BOX, die, weldment (24H427)	1			BAR, shear, stop (24H426)	1
	24H566	BOX, die, weldment (24H433)	1			BAR, shear, stop (17J250)	1
	24H567	BOX, die, weldment (24H428)	1			BAR, shear, stop (24H432)	1
	24H568	BOX, die, weldment (24H434)	1			BAR, shear, stop (24H427)	1
		BOX, die, weldment (24H429)	1			BAR, shear, stop (24H433)	1
		BOX, die, weldment (24H430)	1			BAR, shear, stop (24H428)	1
		BOX, die, weldment (17A174)	1			BAR, shear, stop (24H434)	1
		BOX, die, weldment (26D111)	1			BAR, shear, stop (24H429) BAR, shear, stop (24H430)	1
502		YOKE, weldment (17A173)	1			BAR, shear, stop (2411430)	1
		YOKE, weldment (24H431)	1			BAR, shear, stop (26D111)	1
		YOKE, weldment (24H426)	1	508		PLATE, screed, adjustable (17A173)	1
		YOKE, weldment (17J250)	1	000		PLATE, screed, adjustable (24H431)	
		YOKE, weldment (24H432)	1			PLATE, screed, adjustable (24H426)	
		YOKE, weldment (24H427)	1 1			PLATE, screed, adjustable (17J250)	1
		YOKE, weldment (24H433)	•			PLATE, screed, adjustable (24H432)	
		YOKE, weldment (24H428)	1 1			PLATE, screed, adjustable (24H427)	
		YOKE, weldment (24H434)	1			PLATE, screed, adjustable (24H433)	
		YOKE, weldment (24H429) YOKE, weldment (24H430)	1			PLATE, screed, adjustable (24H428)	
		YOKE, weldment (17A174)	1			PLATE, screed, adjustable (24H434)	
		YOKE, weldment (26D111)	1			PLATE, screed, adjustable (24H429)	
503		BAR, support (17A173)	i		16H041	PLATE, screed, adjustable (24H430)	1
000		BAR, support (24H431)	1		17A189	PLATE, screed, adjustable (17A184)	
		BAR, support (24H426)	i 1			PLATE, screed, adjustable (26D111)	
		BAR, support (17J250)	1			SCREW, adjustment, screed	2
		BAR, support (24H432)	1			SCREW, shoulder, socket head M8	2
		BAR, support (24H427)	1	511		SCREW, shoulder, socket head M8	2
		BAR, support (24H433)	1	512	110501	SCREW, cap sch, M6 x 8	7
		BAR, support (24H428)	1			(24H431,24H426, 24H432, 24H427,	
		BAR, support (24H434)	1			24H433 ,24H428, 24H434, 24H429,	
		BAR, support (24H429)	1			24H430, 26D111)	
		BAR, support (24H430)	1	513	121518	SCREW, cap, shc	8
	17A183	BAR, support (17A174)	1	514	125029	SCREW, shoulder, socket head M5	5
	18F282	BAR, support (26D111)	1			(24H431,24H426, 24H432, 24H427,	
504	24H581	PLATE, die runner, right	1			24H433 ,24H428, 24H434, 24H429,	
		PLATE, die runner, left	1			24H430, 26D111)	
506		BAR, shear (17A173)	1	515	123340	SCREW, mach, flat head, undercut	6
		BAR, shear (24H431)	1			(24H431,24H426, 24H432, 24H427,	
		BAR, shear (24H426)	1			24H433 ,24H428, 24H434, 24H429,	
		BAR, shear (17J250)	1			24H430, 26D111)	
	16H020	BAR, shear (24H432)	1	516	123385		1
					•		

Parts - Double Line Die Box

24H435 4-3-4 in. (10-8-10 cm) 24H436 4-4-4 in. (10-10-10 cm) 24H437 3-3-3 in. (8-8-8 cm) 24J785 4-6-4 in. (10-15-10 cm) 17R378 5-5-5 in. (13-13-13 cm) 26C273 6-3-6 in. (15-8-15 cm)



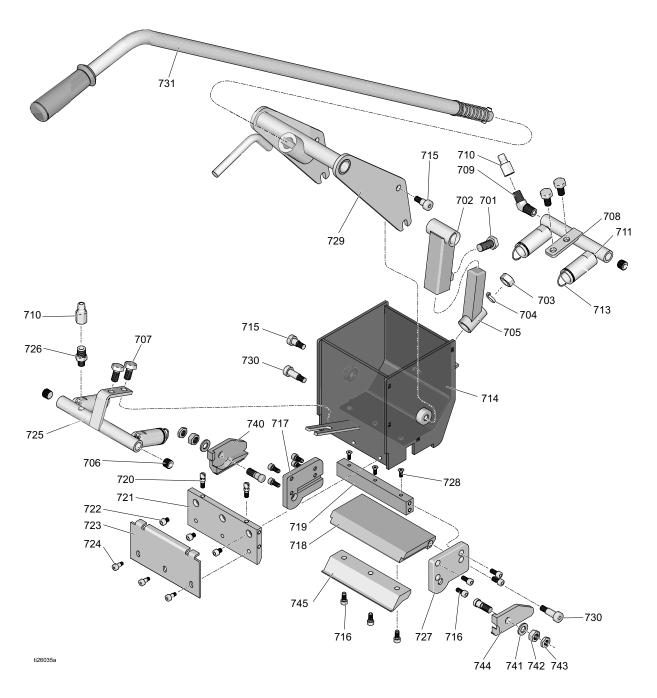
Parts List - Double Line Die Box

Ref.	Part	Description	Qty.
601	24H647	BOX, die, weldment (24H435)	1
	24H648	BOX, die, weldment (24H436)	1
	24H649	BOX, die, weldment (24H437)	1
	24J784 17R379	BOX, die, weldment (24J785) BOX, die, weldment (17R378)	1 1
	26C274	BOX, die, weldment (17K376) BOX, die, weldment (26C273)	'
602	24H652	YOKE, weldment (24H435)	1
002	24H579	YOKE, weldment (24H436)	1
	24H577	YOKE, weldment (24H437)	1
	24J783	YOKE, weldment (24J785)	1
	17R382	YOKE, weldment (17R378)	1
000	400005	YOKE, weldment (26C273)	1
603	16G995	BAR, support (24H435, 24H436, 24J785)	1
	16H001 16H006	BAR, support (24H437) BAR, support (17R378)	1 1
	16G996	BAR, support (171376)	1
604	24H581	PLATE, die runner, right	2
605	24H580	PLATE, die runner, left	2
606	16H159	BAR, shear, die, double (24H435, 24H436,	2
		24J785)	
	16H160	BAR, shear, die, double (24H437)	2
	17R384	BAR, shear, die, double (17R378)	2
	17A211	BAR, shear, die, double (26C273)	2
607	16H024	BAR, shear, stop (24H435, 24H436, 24J785)	2
	16H029	BAR, shear, stop (24H437)	2 2
	16H030 16H025	BAR, shear, stop (17R378) BAR, shear, stop (26C273)	2
608	16H034	PLATE, screed, adjustable (24H435,	2
000	1011004	24H436, 24J785)	_
	16H041	PLATE, screed, adjustable (24H437)	2
	16H035	PLATE, screed, adjustable (17R378)	2
	16H036	PLATE, screed, adjustable (26C273)	2
609	16H044	SCREW, adjustment, screed	4
610	125028	SCREW, shoulder, socket head M8	4
611	125027	SCREW, shoulder, socket head M8	4
612	110501	SCREW, cap, sch M6 x 8	4
		SCREW, cap, sch M6 x 8 (17R378) SCREW, cap, sch M6 x 8 (26C273)	6 6
613	121518	SCREW, cap, sho	20
614	125029	SCREW, shoulder, socket head M5	4
•	.20020	SCREW, shoulder, socket head M5	6
		(17R378)	
		SCREW, shoulder, socket head M5	6
		(26C273)	
615	123340	SCREW, mach, flat head, undercut	4
		SCREW, mach, flat head, undercut (17R378)	6
040	4011400	SCREW, mach, flat head, undercut (26C273)	6
616	16H189	GUIDE, bar, shear, double (24H435)	1
	16H161 16H162	GUIDE, bar, shear, double (24H436) GUIDE, bar, shear, double (24H437)	1 1
	16J802	GUIDE, bar, shear, double (24J785)	1
	17R385	GUIDE, bar, shear, double (17R378)	1
	17W534	GUIDE, bar, shear, double (26C273)	1
617	123385	PIN	1

Notes	

Parts - FlexDie Box

16Y661	2 in. (5 cm)
16Y662	3 in. (8 cm)
16Y320	4 in. (10 cm)
16Y663	5 in. (12 cm)
16Y190	6 in. (15 cm)
16Y664	7 in. (18 cm)
16Y326	8 in. (20 cm)
16Y665	9 in. (22.5 cm)
16Y332	10 in. (25 cm)
16Y207	12 in. (30 cm)
26D189	18 in. (45 cm)



Parts List - FlexDie Box

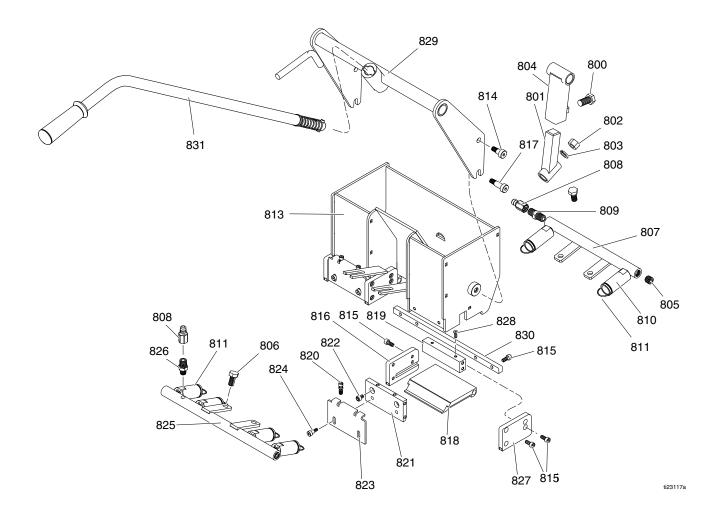
Ref. Part	Description	Qty.	Ref.	Part	Description	Qty.
701 16Y261		1			BAR, shear, 10 in. (16Y332) BAR, shear, 12 in (16Y207)	1
702 16Y077 703 107539	CONNECTOR, die pivot NUT. hex	1 1			BAR, shear, 18 in (26D189)	1
704 124704	WASHER, spring, metallic	1	710	160006	BAR, support, 2 in., (16Y661)	1
	HOLDER, die holder PLUG, dryseal 1/4 NPTF	1 3	719		BAR, support, 3 in., (16Y662)	1
707 105326	SCREW, cap hex hd	4			BAR, support, 3 in., (16Y320)	1
708 16Y237	TUBE, burner front, 2 in. (16Y661) TUBE, burner front, 3 in. (16Y662)	1			BAR, support, 5 in. (16Y663) BAR, support, 6 in. (16Y190)	1 1
16Y252	TUBE, burner front, 4 in. (16Y320)	1		16H007	BAR, support, 7 in. (16Y664)	1
	TUBE, burner front, 5 in. (16Y663) TUBE, burner front, 6 in. (16Y190)	1 1			BAR, support, 8 in (16Y326) BAR, support, 9 in. (16Y665)	1 1
	TUBE, burner front, 7 in. (16Y664)	1		16G998	BAR, support, 10 in. (16Y332)	1
	TUBE, burner front, 8 in (16Y326)	1			BAR, support, 12 in. (16Y207) BAR, support, 18 in. (26D189)	1 1
	TUBE, burner front, 9 in. (16Y665) TUBE, burner front, 10 in. (16Y332)	1 1		16H044	SCREW, adjustment, screed	2
16Y244	TUBE, burner front, 12 in. (16Y207)	1	721		BAR, shear, stop, 2 in, (16Y661) BAR, shear, stop, 3 in., (16Y662)	1 1
	TUBE, burner front, 18 in. (26D189) FITTING, elbow 45, 1/4 NPT	1 1			BAR, shear, stop, 4 in. (16Y320)	1
710 16Y225	COUPLING, quick release, male	2			BAR, shear, stop, 5 in. (16Y663)	1
711 17B231	KIT, repair, torch head, die (16Y661) KIT, repair, torch head, die (16Y662)	4 1			BAR, shear, stop, 6 in. (16Y190) BAR, shear, stop, 7 in. (16Y664)	1 1
	KIT, repair, torch head, die (16Y320)	4		17D549	BAR, shear, stop, 8 in (16Y326)	1
	KIT, repair, torch head, die (16Y663)	4 4			BAR, shear, stop, 9 in. (16Y665) BAR, shear, stop, 10 in. (16Y332)	1 1
	KIT, repair, torch head, die (16Y190) KIT, repair, torch head, die (16Y664)	4		17D552	BAR, shear, stop, 12 in. (16Y207)	1
	KIT, repair, torch head, die (16Y326)	4	722		BAR, shear, stop, 18 in. (26D189) SCREW, cap, sch (M6 X 8) (16Y661)	1 3
	KIT, repair, torch head, die (16Y665) KIT, repair, torch head, die (16Y332)	6 6	122	110301	SCREW, cap, sch (M6 X 8) (16Y662)	2
	KIT, repair, torch head, die (16Y207)	6			SCREW, cap, sch (M6 X 8) (16Y320)	2
713 16H104	KIT, repair, torch head, die (26D189) INDICATOR, burner (included in 711)	6 2			SCREW, cap, sch (M6 X 8) (16Y663) SCREW, cap, sch (M6 X 8) (16Y190)	3
714	BOX, die, weldment, 2 in. (16Y661)	1			SCREW, cap, sch (M6 X 8) (16Y664)	3
	BOX, die, weldment, 3 in. (16Y662)	1 1			SCREW, cap, sch (M6 X 8) (16Y326) SCREW, cap, sch (M6 X 8) (16Y665)	3 4
	BOX, die, weldment, 4 in. (16Y320) BOX, die, weldment, 5 in. (16Y663)	1			SCREW, cap, sch (M6 X 8) (16Y332)	4
	BOX, die, weldment, 6 in. (16Y190)	1			SCREW, cap, sch (M6 X 8) (16Y207) SCREW, cap, sch (M6 X 8) (26D189)	4 4
	BOX, die, weldment, 7 in. (16Y664) BOX, die, weldment, 8 in (16Y326)	1 1	723	17A188	PLATE, screed, adjustable, 2 in., (16Y661)	1
	BOX, die, weldment, 9 in. (16Y665)	1			PLATE, screed, adjustable, 3 in. (16Y662)	1 1
	BOX, die, weldment, 10 in. (16Y332) BOX, die, weldment, 12 in. (16Y207)	1 1			PLATE, screed, adjustable, 4 in. (16Y320) PLATE, screed, adjustable, 5 in. (16Y663)	1
	BOX, die, weldment, 18 in. (26D189)	1			PLATE, screed, adjustable, 6 in. (16Y190)	1
715 125028 716 121518	SCREW, shoulder, socket head M8 SCREW, cap, sch (16Y661)	2 8		17D530 17D531	PLATE, screed, adjustable, 7 in. (16Y664) PLATE, screed, adjustable, 8 in (16Y326)	1 1
710 121010	SCREW, cap, sch (16Y662)	10		17D532	PLATE, screed, adjustable, 9 in. (16Y665)	1
	SCREW, cap, sch (16Y320)	10 11			PLATE, screed, adjustable, 10 in. (16Y332) PLATE, screed, adjustable, 12 in. (16Y207)	1 1
	SCREW, cap, sch (16Y663) SCREW, cap, sch (16Y190)	11		18F286	PLATE, screed, adjustable, 18 in. (26D189)	1
	SCREW, cap, sch (16Y664)	11	724	17D772	SCREW, shoulder, socket head M5 (16Y661) SCREW, shoulder, socket head M5 (16Y662)	3 2
	SCREW, cap, sch (16Y326) SCREW, cap, sch (16Y665)	11 12			SCREW, shoulder, socket head M5 (16Y320)	2
	SCREW, cap, sch (16Y332)	12			SCREW, shoulder, socket head M5 (16Y663)	3
	SCREW, cap, sch (16Y207) SCREW, cap, sch (26D189)	12 12			SCREW, shoulder, socket head M5 (16Y190) SCREW, shoulder, socket head M5 (16Y664)	3
717 24H580	PLATE, die runner, pro screed, left (16Y661)	1			SCREW, shoulder, socket head M5 (16Y326)	3
	PLATE, pivot, left (16Y320) PLATE, pivot, left (16Y662)	1 1			SCREW, shoulder, socket head M5 (16Y665) SCREW, shoulder, socket head M5 (16Y332)	4 4
17D499		1			SCREW, shoulder, socket head M5 (16Y207)	4
17D499		1	725	16Y222	SCREW, shoulder, socket head M5 (26D189) TUBE, back burner, 2 in., (16Y661)	4 1
17D499 17D499		1 1	120		TUBE, back burner, 3 in., (16Y662)	1
17D499	PLATE, pivot, left (16Y665)	1		17D518	TUBE, back burner, 4 in. (16Y320)	1 1
17D499 17D499	PLATE, pivot, left (16Y332) PLATE, pivot, left (16Y207)	1 1		17D520	TUBE, back burner, 5 in. (16Y663) TUBE, back burner, 6 in. (16Y190)	1
17D499	PLATE, pivot, left (26D189)	1			TUBE, back burner, 7 in. (16Y664)	1
	BAR, shear, 2 in., (16Y661) BAR, shear, 3 in., (16Y320)	1			TUBE, back burner, 8 in. (16Y326) TUBE, back burner, 9 in. (16Y665)	1 1
17D536	BAR, shear, 4in., (16Y662)	1		17D524	TUBE, back burner, 10 in. (16Y332)	1
17D537	BAR, shear, 5 in. (16Y663)	1			TUBE, back burner, 12 in. (16Y207) TUBE, back burner, 18 in. (26D189)	1 1
17D538 17D539		1		16Y235	FITTING, nipple, 1/4 NPT to 1/8 NPT	1
17D540	BAR, shear, 8 in (16Y326)	1	727		PLATE, die runner, proscreed, right (16Y661) PLATE, pivot, right (16Y320)	1 1
17D541	BAR, shear, 9 in. (16Y665)	1		110431	1 LALE, PIVOL, HIGHL (101320)	1

Ref. Part	Description	Qty.
17D497	PLATE, pivot, right (16Y662)	1
17D497 17D497	PLATE, pivot, right (16Y663) PLATE, pivot, right (16Y190)	1 1
17D497	PLATE, pivot, right (16Y664)	1
17D497	PLATE, pivot, right (16Y326)	1
17D497	PLATE, pivot, right (16Y665)	1
17D497 17D497	PLATE, pivot, right (16Y332)	1 1
17D497 17D497	PLATE, pivot, right (16Y207) PLATE, pivot, right (26D189)	1
728 123340	SCREW, mach, flat head, undercut (16Y661)	3
	SCREW, mach, flat head, undercut (16Y662)	2
	SCREW, mach, flat head, undercut (16Y320) SCREW, mach, flat head, undercut (16Y663)	2
	SCREW, mach, flat head, undercut (16Y190)	3
	SCREW, mach, flat head, undercut (16Y664)	3
	SCREW, mach, flat head, undercut (16Y326)	3
	SCREW, mach, flat head, undercut (16Y665) SCREW, mach, flat head, undercut (16Y332)	4
	SCREW, mach, flat head, undercut (16Y207)	4
	SCREW, mach, flat head, undercut (26D189)	4
729 16Y198	YOKE, weldment, 2 in. (16Y661)	1
16Y702 16Y324	YOKE, weldment, 3 in. (16Y662) YOKE, weldment, 4 in. (16Y320)	1 1
16Y673	YOKE, weldment, 5 in. (16Y663)	1
16Y198	YOKE, weldment, 6 in. (16Y190)	1
16Y713	YOKE, weldment, 7 in. (16Y664)	1
16Y330 16Y753	YOKE, weldment, 8 in. (16Y326) YOKE, weldment, 9 in. (16Y665)	1 1
16Y336	YOKE, weldment, 10 in. (16Y332)	1
16Y206	YOKE, weldment, 12 in. (16Y207)	1
26D121	YOKE, weldment, 18 in. (26D189)	1
730 125027 731 16Y205	SCREW, shoulder, socket head M8 HANDLE, die handle, assy	2 1
740 17D504	FLOAT RUNNER, left	1
741 16Y267	WASHER, flat, M10	2
742 105327	NUT, hex	2
743 17D593 744 17D502	NUT, thin nut, M10 (not on 16Y661) FLOAT RUNNER, right	2 1
744 17D502	BAR, shear, 3 in., (16Y662)	1
17D509	BAR, shear, 4 in., (16Y320)	1
17D510	BAR, shear, 5 in., (16Y663)	1
17D511 17D512	BAR, shear, 6 in., (16Y190) BAR, shear, 7 in., (16Y664)	1 1
17D512 17D513	BAR, shear, 8 in., (16Y326)	1
17D514	BAR, shear, 9 in., (16Y665)	1
17D515	BAR, shear, 10 in., (16Y332)	1
17D516 18F291	BAR, shear, 12 in., (16Y207) BAR, shear, 18 in., (26D189)	1
101 231	D. (1.1, SHEAL, 10 III., (20D 100)	1

Notes	

Parts - Double Line FlexDie Box

16Y338 3-3-3 in. (8-8-8 cm) 16Y352 4-3-4 in. (10-8-10 cm) 16Y666 4-2-4 in. (10-5-10 cm) 16Y363 4-4-4 in. (10-10-10 cm) 26D109 6-3-6 (15-8-15 cm)



Parts List - Double Line FlexDie Box

Ref.	Part	Description	Qty.	Ref.	Part		Qty.
800	16Y261	SCREW, cap, hex hd, M12 x 1.75 x	1			BAR, support (16Y363) BAR, support (26D109)	2 2
004	400/004	25	4	820		SCREW, adjustment, screed	4
801		HOLDER, die holder	1 1	821		BAR, shear, stop (16Y338)	2
802 803		NUT, hex		02.		BAR, shear, stop (16Y352,	2
804		WASHER, spring, metallic	1 1		1011021	16Y666, 16Y363)	_
805	557391	CONNECT, die pivot PLUG, dryseal, 1/4 NPTF	3		16H025	BAR, shear, stop (26D109)	2
806		SCREW, cap hex hd	4	822	110501		4
807		TUBE, burner front, 3-3-3 (16Y338)	1	823		PLATE, screed, adjustable, 3 in.	2
007		TUBE, burner fron, 4-3-4 (16Y352,	1			(16Y338)	
	101001	16Y666)	•		16H034	PLATE, sreed, adjustable, 4 in.	2
	16Y371	TUBE, burner front, 4-4-4 (16Y363)	1			(16Y352, 16Y666, 16Y363)	
		TUBE, burner front, 6-3-6 (26D109)		824	125029	SCREW, shoulder, socket head,	4
808		COUPLING, quick release, male	2			M5	
809		FITTING, nipple hx 1/4 x 1/4 npt	1	825	16Y347	TUBE, burner back, 3-3-3 (16Y338)	1
810		KIT, repair, torch head, die (model	4			TUBE, burner back, 4-3-4 (16Y352)	1
		16Y338)				TUBE, burner back, 4-2-4 (16Y666)	1
		KIT, repair, torch head, die (model	6			TUBE, burner back, 4-4-4 (16Y363)	1
		16Y352)				TUBE, burner back, 6-3-6 (26D109)	1
		KIT, repair, torch head, die (model	6	826	16Y235	FITTING, nipple 1/4 npt to 1/8 npt	1
		16Y666)		827	24H581	PLATE, die runner, proscreed, right	2
		KIT, repair, torch head, die (model	6	828		SCREW, mach, flat head, undercut	4
		16Y363)		829		YOKE, weldment, 3-3-3 (16Y338)	1
		KIT, repair, torch head, die (model	6			YOKE, weldment, 4-3-4 (16Y352)	1
		26D109)				YOKE, weldment, 4-2-4 (16Y666)	1
813	16Y339	DIE, box weldent, 3-3-3 (16Y338)	1			YOKE, weldment, 4-4-4 (16Y363)	1
		DIE, box weldent, 4-3-4 (16Y352)	1	000		YOKE, weldment, 6-3-6 (26D109)	1
		DIE, box weldent, 4-2-4 (16Y666)	1	830	16H162	GUIDE, bar, shear, double, 3-3-3	1
	16Y364	DIE, box weldent, 4-4-4 (16Y363)	1		4011400	(16Y338)	4
		DIE, box weldent, 6-3-6 (26D109)	1		16H189	GUIDE, bar, shear, double, 4-3-4	1
814		SCREW, shoulder, socket head M8	2		161/005	(16Y352)	4
815		SCREW, cap, sch	20		16Y805	· · · · · · · · · · · · · · · · · · ·	1
816		PLATE, die runner, proscreed, left	2		4611464	(16Y666)	4
817		SCREW, shoulder, socket head M8	2		16H161	· · · · · · · · · · · · · · · · · · ·	1
818	16H160	BAR, shear, die, double 3 in.	2		40E07E	(16Y363)	4
		(16Y338)	_		18F275	GUIDE, bar, shear, double, 6-3-6	1
	16H159	BAR, shear, die, double, 4 in.	2	004	400/005	(26D109)	4
		(16Y352, 16Y666, 16Y363)	_	831	161205	HANDLE, die handle, assy	1
	17A211	BAR, shear, die, double, 6 in.	2				
0.4.5	401.55	(26D109)	_				
819		BAR, support (16Y338)	2				
		BAR, support (16Y352)	2				
	16G995	BAR, support (16Y666)	2				

California Proposition 65

CALIFORNIA RESIDENTS

★ WARNING: Cancer and reproductive harm – www.P65warnings.ca.gov.

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