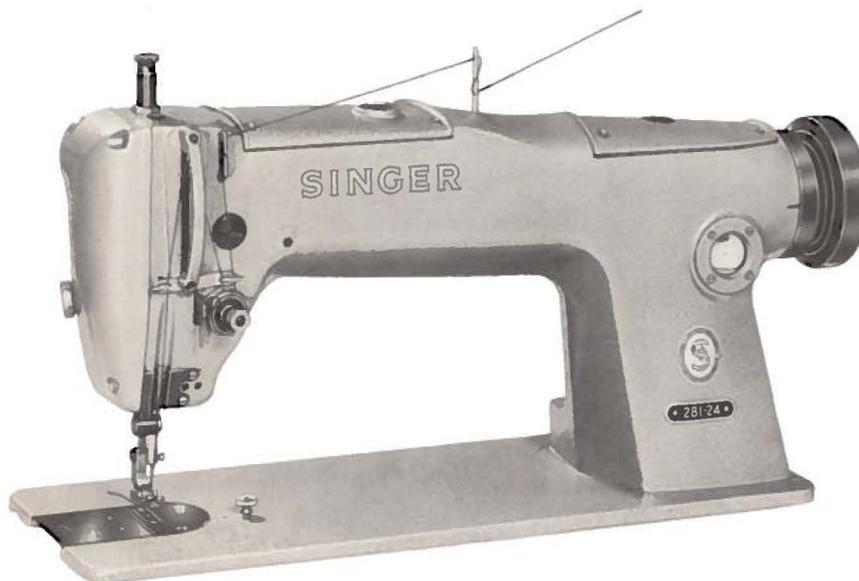


SINGER
INDUSTRIAL PRODUCTS

FITTINGS GUIDE
for
Compound Feed Machines
281-22 and 281-24



About this Fittings Guide. . .

Here, for your convenience, is a comprehensive list of feed dog, throat plate, and presser foot combinations recommended for use with high-speed, **SINGER*** sewing machines 281-22 and 281-24. These fittings combinations make the machines suited to perform a variety of specific operations on a wide range of articles in many cloth weights, textures, and weaves. The various groups of fittings were developed with particular operations for which they have been and can be used, but to which they need not necessarily be restricted. Accordingly, selection of any part should be based solely on the specifications listed and how they apply to your particular requirements.

Both the 281-22 and 281-24 machines feature compound feed, a synchronized combination of needle and drop feeds that provides uniformity of stitch length and even plies at the end of seams. Both machines, too, permit independent adjustment of

both needle and drop feeds, thus assuring that feeding can be set precisely and accurately at any time, for any fabric within the recommended range of application.

The 281-22 Machine is recommended especially for use with medium-heavy weight natural and synthetic fabrics and laminates on operations such as edge stitching of top coats and overcoats, attaching zippers to outerwear, and hemming pajama bottoms and cuffs. It has a needle-bar stroke of 1-13/64 inches and a presser-bar lift of 5/16 inch.

The 281-24 Machine handles a wide range of light to medium weight materials, including synthetics and blends. Recommended applications include top-stitching on lingerie and dresses, and on collars and cuffs, and runstitching on shirts. The machine's short needle-bar stroke (1-9/64 inches) makes it ideal for stitching of lighter weight fabrics. Its presser-bar lift is 9/32 inch.

1. FOR RUNNING COLLARS

FEED DOG 275052 – 3 feed rows, 21 teeth at 22 teeth per inch (T. P. I.), feed rows left and right of needle; needle hole .081" for needle size 22 max.; max. stitch length: 5-1/2 stitches per inch (S. P. I.).

THROAT PLATE 275020 – 3 feed slots; serrated on top, beveled at front, .125" thick; max. stitch length: 5-1/2 S. P. I.

PRESSER FOOT 147312 – spring hinged, closed toe, .4075" wide, 3/16" margin; max. stitch length: 5-1/2 S. P. I.

2. FOR RUNNING COLLARS♦

FEED DOG 147305-001 – 2 feed rows (22 T. P. I., 27 teeth), feed row left of needle; needle hole in throat plate; max. stitch length: 10 S. P. I.

THROAT PLATE 147374-001 – 2 feed slots; with chaining bar, beveled at front, .108" thick; max. stitch length: 10 S. P. I., needle slot .0475" x .164" for needle size 12 max.

PRESSER FOOT 147312 – see Running Collars, 1

3. FOR POCKET SETTING♦

FEED DOG 147315-001 – 3 feed rows (22 T. P. I., 26 teeth), feed rows left and right of needle; needle hole in throat plate; max. stitch length: 10 S. P. I.

THROAT PLATE 147346-001 – 3 feed slots; with chaining bar, beveled at front, .108" thick; max. stitch length: 10 S. P. I.; needle slot .0475" x .164" for needle size 12 max.

PRESSER FOOT 147335 – hinged, right hand yielding plate, .5195" wide, 1/16" step, 1/32" margin; max. stitch length: 10 S. P. I.

4. FOR GENERAL WORK ON MEN'S CLOTHING♦

FEED DOG 147315-001 – see Pocket Setting, 3.

THROAT PLATE 149233 – 3 feed slots; with guidelines and numbers, 1/4" spacing, .080"

thick; stitch range: 5-1/2 – 10 S. P. I.; needle slot .0475" x .225" for needle size 12 max.

PRESSER FOOT 147494 – spring hinged, open toe, .468" wide; max. stitch length: 10 stitches per inch.

5. FOR GENERAL SEAMING♦ – Chaining-off

FEED DOG 147305-001 – see Running Collars, 2

THROAT PLATE 147374-001 – see Running Collars, 2.

PRESSER FOOT 147308 – spring hinged, open toe, .468" wide; max. stitch length: 10 S. P. I.

6. FOR GENERAL SEAMING♦ – Chaining-off

FEED DOG 147315-001 – see Pocket Setting, 3.

THROAT PLATE 147346-001 – see Pocket Setting, 3

PRESSER FOOT 147308 – see General Seaming, 5

7. FOR GENERAL SEAMING♦

FEED DOG 147305-001 – see Running Collars, 2

THROAT PLATE 147374-001 – see Running Collars, 2.

PRESSER FOOT 147494 – see General Work, 4.

8. FOR GENERAL SEAMING♦

FEED DOG 147305-001 – see Running Collars, 2.

THROAT PLATE 147374-001 – see Running Collars, 2.

PRESSER FOOT 147326 – spring hinged, closed toe, .3925" wide; max. stitch length: 10 S. P. I.

9. FOR GENERAL SEAMING♦

FEED DOG 147315-001 – see Pocket Setting, 3.

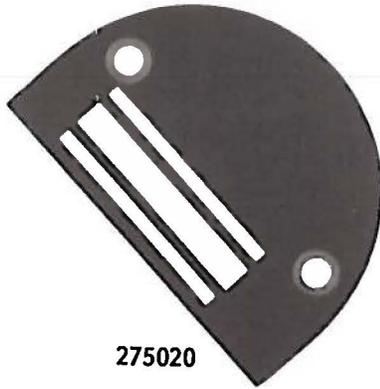
THROAT PLATE 147346-001 – see Pocket Setting, 3.

PRESSER FOOT 147319 – spring hinged, with right hand yielding plate, 1/16" step, 3/32" stitch margin, 3/8" margin from center of needle to right hand side, 5/8" wide overall.

♦ Fittings sets marked with a diamond are commonly used for performing various sewing operations on durable press (wash-and-wear) materials.



275052



275020



147312



147305-001



147374-001



147335



147315-001



147346-001



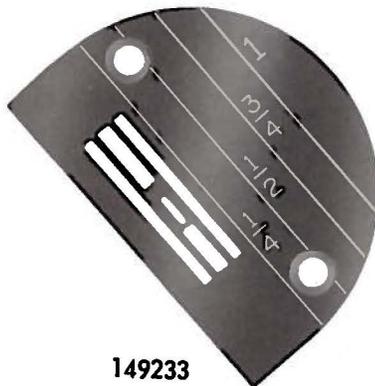
147494



147308



147326



149233



147319

10. FOR GENERAL SEAMING

FEED DOG 149211 – 2 feed rows (22 T. P. I., 20 teeth), feed row left of needle; needle hole .083" for needle size 22 max.; max. stitch length: 5-1/2 S. P. I.

THROAT PLATE 275069 – 2 feed slots; with chaining bar, .080" thick; max. stitch length: 5-1/2 S. P. I.

PRESSER FOOT 52427 – spring hinged, open toe (narrow right), .498" wide; max. stitch length: 10 S. P. I.

11. FOR SEWING SHIRT FRONTS[♦]

FEED DOG 29857 – 3 feed rows (22 T. P. I., 22 teeth), feed rows left and right of needle; needle hole .055" for needle size 16 max.; max. stitch length: 5-1/2 S. P. I.

THROAT PLATE 29858 – 3 feed slots; serrated on top, countersunk screw holes, .080" thick; max. stitch length: 5-1/2 S. P. I.

PRESSER FOOT 52427 – see General Seaming, 10.

12. FOR TOP STITCHING

FEED DOG 29857 – see Sewing Shirt Fronts, 11

THROAT PLATE 29858 – see Sewing Shirt Fronts, 11.

PRESSER FOOT 161066 – spring hinged, open toe, .445" wide; max. stitch length: 12 S. P. I.

13. FOR GENERAL SEAMING

FEED DOG 275053 – 2 feed rows (22 T. P. I., 21 teeth), feed row left of needle; needle hole .070" for needle size 21 max.; max. stitch length: 5-1/2 S. P. I.

THROAT PLATE 275067 – 2 feed slots; serrated on top, beveled at front, .125" thick; max. stitch length: 5-1/2 S. P. I.

PRESSER FOOT 149076 – spring hinged, open toe (narrow right), .509" wide; max. stitch length: 5-1/2 S. P. I.

14. FOR OPERATIONS REQUIRING ATTACHMENTS SET CLOSE TO THE NEEDLE

FEED DOG 275009 – 2 feed rows (15 T. P. I., 9 teeth), feed row left of needle; needle hole

.081" for needle size 22 max.; max. stitch length: 5-1/2 S. P. I.

THROAT PLATE 275019 – 2 feed slots; serrated on top, .080" thick; max. stitch length: 5-1/2 S. P. I.

PRESSER FOOT 149076 – see General Seaming, 13.

15. FOR GENERAL SEAMING – Chaining-off

FEED DOG 275054 – 2 feed rows (22 T. P. I., 22 teeth), feed row left of needle; needle hole .081" for needle size 22 max.; max. stitch length: 10 S. P. I.

THROAT PLATE 149225 – 2 feed slots; with chaining bar; .080" thick; max. stitch length: 10 S. P. I.

PRESSER FOOT 149076 – see General Seaming, 13

16. FOR GENERAL SEAMING – Chaining-off

FEED DOG 149229 – 2 feed rows (22 T. P. I., 22 teeth), feed row left of needle; needle hole .046" for needle size 12 max.; max. stitch length: 10 S. P. I.

THROAT PLATE 149225 – see General Seaming, 15.

PRESSER FOOT 52427 – see General Seaming, 10.

17. FOR ATTACHING ZIPPERS

FEED DOG 275058 – 1 feed row (15 T. P. I., 13 teeth), feed "L" – shaped; needle hole .098" for needle size 23 max.; max. stitch length: 5-1/2 S. P. I.

THROAT PLATE 275072 – "L" – shaped feed slot; serrated on top, beveled at front, .125" thick; max. stitch length: 5-1/2 S. P. I.

PRESSER FOOT 149027 – spring hinged, open toe (narrow left), .403" wide, max. stitch length: 5-1/2 S. P. I.

[♦]Fittings sets marked with a diamond are commonly used for performing various sewing operations on durable press (wash-and-wear) materials.



149211



29857



275053



275009



275054



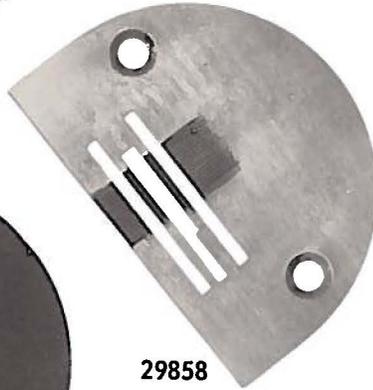
149229



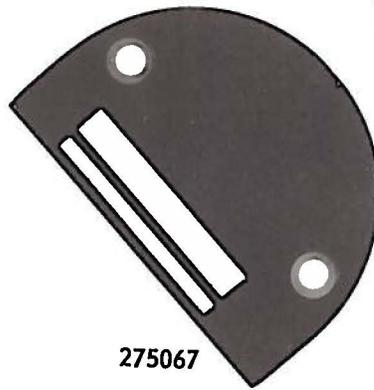
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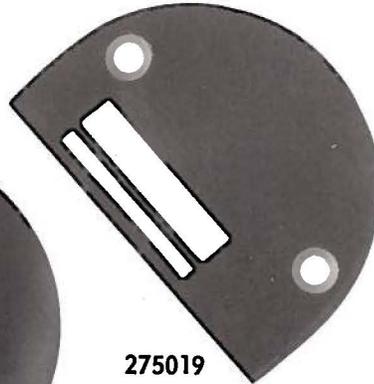
275069



29858



275067



275019



149225



275072



52427



161066



149076



149027

18. FOR SETTING COLLAR BANDS On Shirt Collars[♦] – 1st. Operation

FEED DOG 149021 – 3 feed rows (22 T. P. I., 21 teeth), feed rows left and right of needle; needle hole in throat plate; stitch range: 5-1/2 S. P. I.

THROAT PLATE 149022 – 3 feed slots; with guidelines and numbers, 1/4" spacing, .080" thick; stitch range: 5-1/2 – 10 S. P. I., needle slot .0605" x .225" for needle size 18 max.

PRESSER FOOT 149027 – spring hinged, open toe (narrow left), .403" wide, max. stitch length: 5-1/2 S. P. I.

19. FOR CENTER STITCHING On Shirt Collars* – 2nd. Operation

FEED DOG 149021 – see Setting Collar Bands, 18

THROAT PLATE 149222 – 3 feed slots; with guidelines and numbers, 1/4" spacing, .080" thick; max. stitch length: 10 S. P. I., needle slot .0475" x .164" for needle size 12 max.

PRESSER FOOT 160674 – compensating, double plate 17/32" wide; max. stitch length: 10 S. P. I.

20. FOR GENERAL SEAMING[♦]

FEED DOG 149021 – see Setting Collar Bands, 18

THROAT PLATE 149023 – 3 feed slots; with guidelines and numbers, 1/4" spacing, .080" thick, max. stitch length: 10 S. P. I., needle slot .0605" x .164" for needle size 18 max.

PRESSER FOOT 149027 – see Setting Collar bands, 18.

21. FOR GENERAL SEAMING[♦]

FEED DOG 149232 – 3 feed rows (22 T. P. I., 21 teeth), feed rows left and right of needle; needle hole in throat plate; stitch range: 5-1/2 to 10 S. P. I.

THROAT PLATE 149233 – 3 feed slots; with guidelines and numbers, 1/4" spacing, .080" thick; stitch range: 5-1/2 – 10 S. P. I., needle slot .0475" x .225" for needle size 12 max.

PRESSER FOOT 149027 – see Setting Collar bands, 18.

22. FOR GENERAL SEAMING

FEED DOG 275005 – 2 feed rows (15 T. P. I., 13 teeth), feed row left of needle; needle hole .098" for needle size 23 max.; max. stitch length: 5-1/2 S. P. I.

THROAT PLATE 275018 – 2 feed slots; serrated on top, beveled at front, .125" thick; max. stitch length: 5-1/2 S. P. I.

PRESSER FOOT 149076 – spring hinged, open toe (narrow right), .509" wide; max. stitch length: 5-1/2 S. P. I.

23. FOR GENERAL SEAMING

FEED DOG 275006 – 2 feed rows (22 T. P. I., 19 teeth) feed row left of needle; needle hole .070" for needle size 21 max.; max. stitch length: 5-1/2 S. P. I.

THROAT PLATE 275018 – see General Seaming, 22

PRESSER FOOT 149076 – see General Seaming, 22.

24. FOR GENERAL SEAMING

FEED DOG 275007 – 2 feed rows (15 T. P. I., 13 teeth), feed row left of needle; needle hole .081" for needle size 22 max.; max. stitch length: 5-1/2 S. P. I.

THROAT PLATE 275018 – see General Seaming, 22.

PRESSER FOOT 149076 – see General Seaming, 22.

25. FOR GENERAL SEAMING

FEED DOG 275097 – 2 feed rows (15 T. P. I., 13 teeth), feed row left of needle; needle hole .110" for needle size 25 max.; max. stitch length: 5-1/2 S. P. I.

THROAT PLATE 275018 – see General Seaming, 22.

PRESSER FOOT 149076 – see General Seaming, 22.

[♦]Fittings sets marked with a diamond are commonly used for performing various sewing operations on durable press (wash-and-wear) materials.



149021



149022



149232



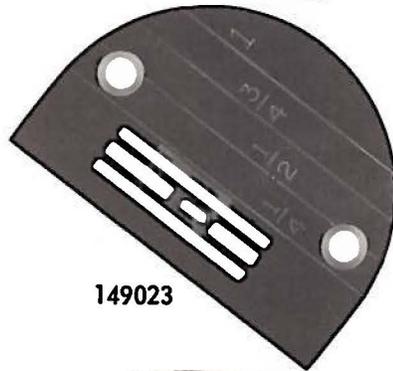
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149027



275005



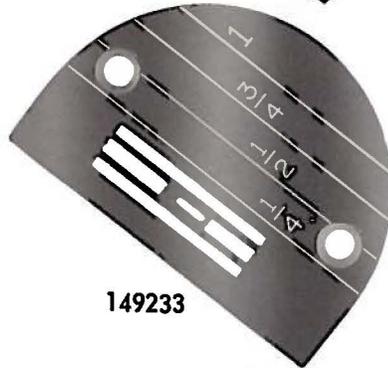
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160674



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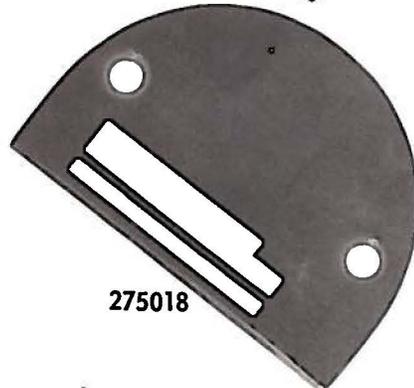
149233



149076



275007



275018



275097

26. FOR FOUNDATION GARMENTS

FEED DOG 275057 – 3 feed rows (15 T. P. I., 14 teeth), feed rows left and right of needle; needle hole .081" for needle size 22 max.; max. stitch length: 5-1/2 S. P. I.

THROAT PLATE 275071 – 3 feed slots; serrated on top, .080" thick; max. stitch length: 5-1/2 S. P. I.

PRESSER FOOT 149081 – spring hinged, open toe, .509" wide; max. stitch length: 5-1/2 S. P. I.

27. FOR SEWING DOWN COLLARS AND CUFFS

FEED DOG 275077 – 2 feed rows (20 T. P. I., 17 teeth), feed row left of needle; needle hole .081" for needle size 22 max.; max. stitch length: 5-1/1 S. P. I.

THROAT PLATE 275087 – 2 feed slots; serrated on top, .080" thick; max. stitch length: 5-1/2 S. P. I.

PRESSER FOOT 149215 – Hinged, left hand yielding plate, .5445" wide 1/32" margin; max. stitch length: 5-1/2 S. P. I.

28. FOR SEWING DOWN COLLARS AND CUFFS

FEED DOG 275077 – see Sewing Down, 27

THROAT PLATE 275087 – see Sewing Down, 27

PRESSER FOOT 149217 – hinged, right hand yielding plate, .5445" wide, 1/32" margin; max. stitch length: 5-1/2 S. P. I.

29. FOR GENERAL SEAMING

FEED DOG 275077 – see Sewing Down, 27

THROAT PLATE 275087 – see Sewing Down, 27

PRESSER FOOT 149081 – see Foundation Garments, 26.

30. ADDITIONAL PRESSER FEET♦

PRESSER FOOT 121946 – spring hinged, open toe, .2775" wide; max. stitch length: 10 S. P. I.

PRESSER FOOT 142059 – spring hinged, open toe, .3355" wide; max. stitch length: 10 S. P. I.

PRESSER FOOT 149083 – spring hinged, open toe, .5715" wide; max. stitch length: 5-1/2 S. P. I.

PRESSER FOOT 149079 – spring hinged (compensating), left and right yielding plate (right plate with needle slot .070" wide), .588" wide.

31. CHAIN CUTTING ATTACHMENT NO.161792

FEED DOG 20900 – 2 feed rows (22 T. P. I., 21 teeth), feed row left of needle; needle hole .081" for needle sizes 19 or 22 max.; with thread cutting knife; max. stitch length: 10 S. P. I.

THROAT PLATE 20998 – 2 feed slots; with chaining bar, .080" thick; max. stitch length: 10 S. P. I.; with two No. 140807(850) screws.

PRESSER FOOT 160997 – spring hinged, open toe yielding (wide) plate, .5775" wide, with adjusting bracket; max. stitch length: 10 S. P. I.

♦ Fittings sets marked with a diamond are commonly used for performing various sewing operations on durable press (wash-and-wear) materials.



275057



275071



149081



275077



275087



149215



149217



121946



142059



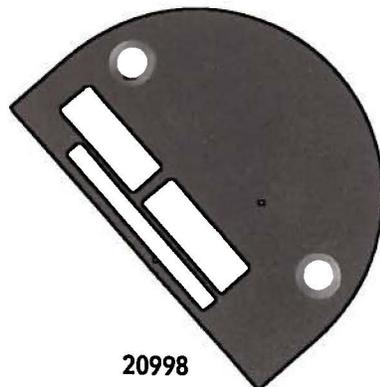
149083



149079



20900



20998



160997-002

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