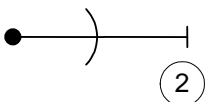
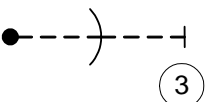
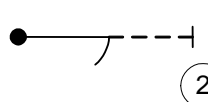
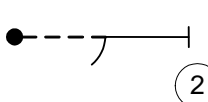
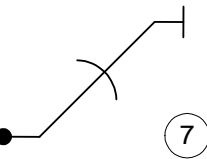
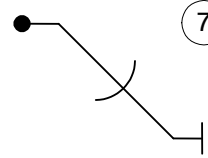
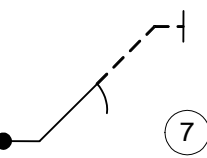
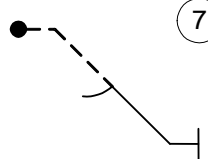
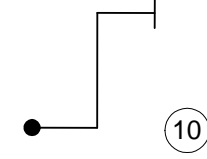
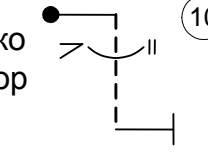
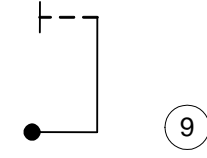
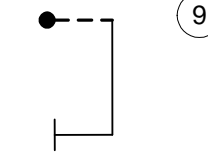


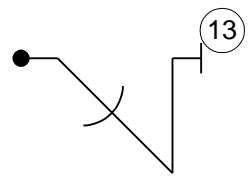
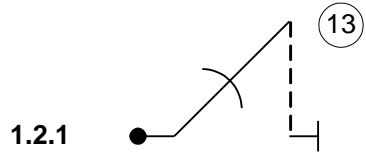
**СПИСОК ФИГУР ДЛЯ СОСТАВЛЕНИЯ НЕИЗВЕСТНЫХ КОМПЛЕКСОВ  
ПСВП КЛАСС ЯК-52.**

**1. ЛИНИИ И УГЛЫ**

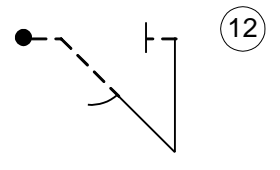
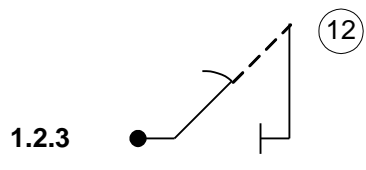
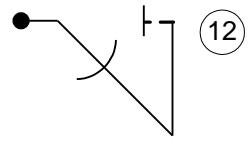
|       |   |   |  |   |
|-------|---|---|--|---|
| 1.1.1 |    |  |    |    |
|       | 2   | 3   | 2  | 2   |
| 1.1.2 |    |   |    |   |
|       | 7   |   | 7  |   |
| 1.1.3 |   |   |  |  |
|       | 7   |   |  | 7   |
| 1.1.6 |  |   |  |   |
|       | 10  |   | 10   |   |
| 1.1.7 |  |   |  |  |
|       | 9   |   |  | 9   |
|       | 1   | 2   | 3  | 4   |

Только  
штопор

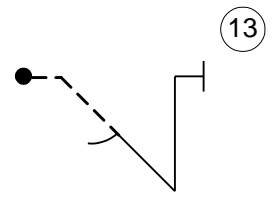
1.



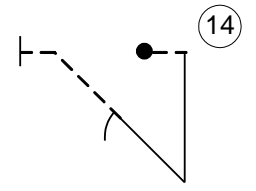
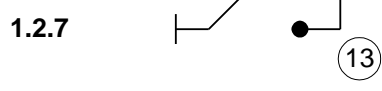
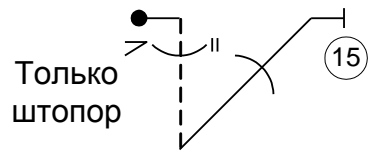
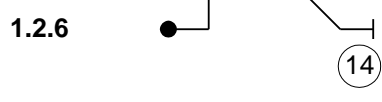
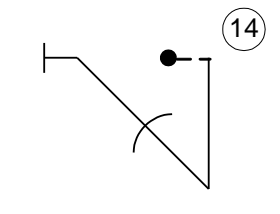
1.2.2



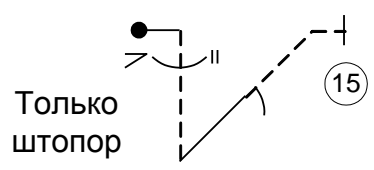
1.2.4



1.2.5



1.2.8



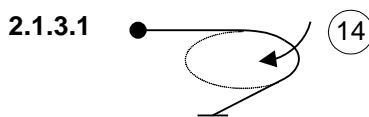
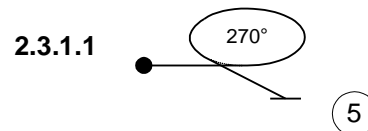
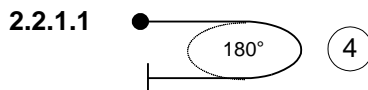
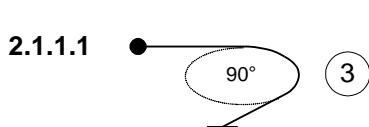
1

2

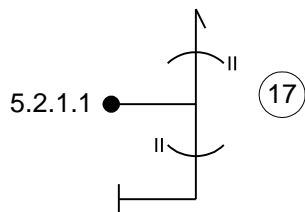
3

4

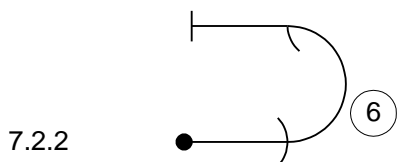
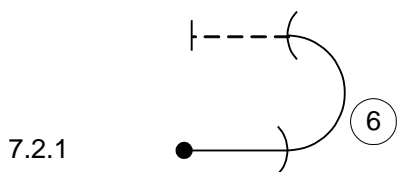
**2. ВИРАЖИ И ВИРАЖИ С БОЧКАМИ**



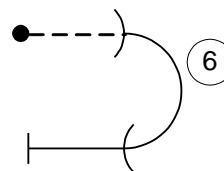
**5. ПОВОРОТЫ НА ВЕРТИКАЛИ**



**7. ПЕТЛИ И ВОСЬМЕРКИ**



Штопорные вращения не разрешены на горизонтальных входных линиях фигур колонок 1 и 2 и на выходных линиях колонок 3 и 4



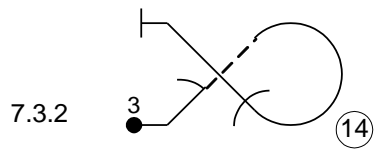
1

2

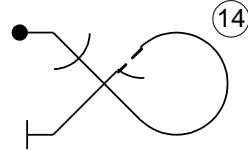
3

4

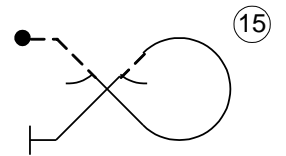
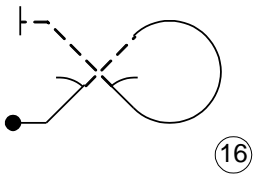
7.



7.3.3



7.3.4

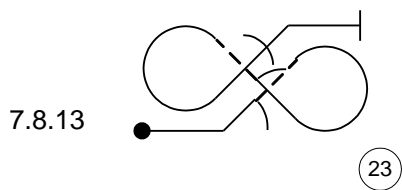
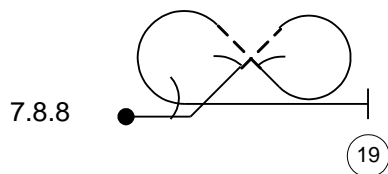
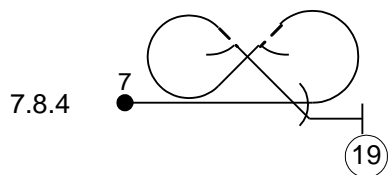
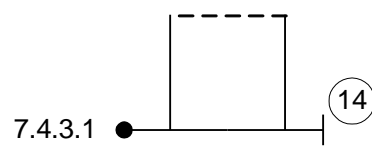
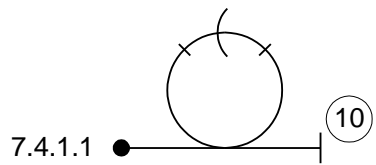


1

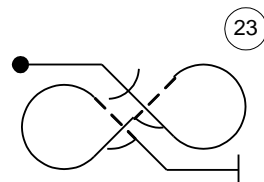
2

3

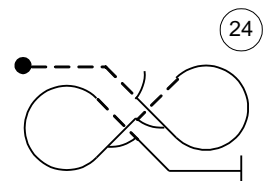
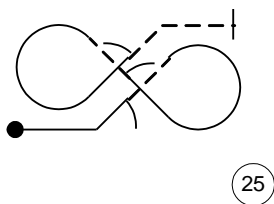
4



7.8.15



7.8.16



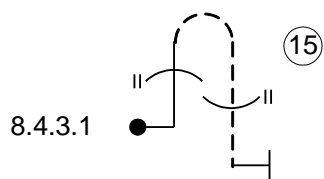
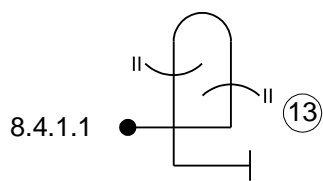
1

2

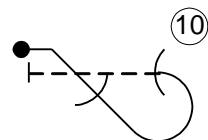
3

4

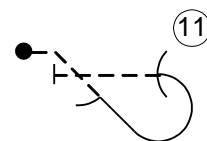
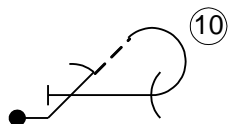
**8. КОМБИНАЦИИ ЛИНИЙ, УГЛОВ И ПЕТЕЛЬ**



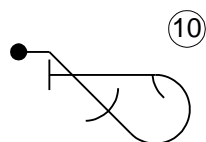
8.5.1



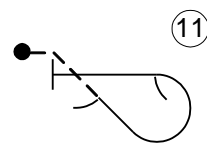
8.5.2



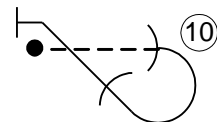
8.5.3



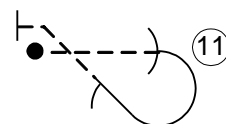
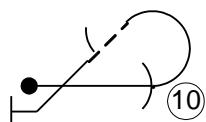
8.5.4



8.5.5



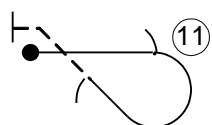
8.5.6



8.5.7



8.5.8



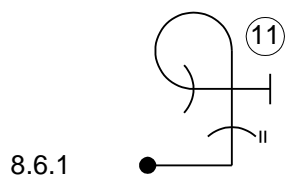
1

2

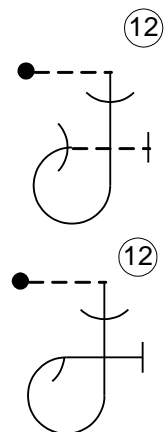
3

4

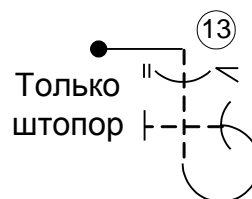
8.



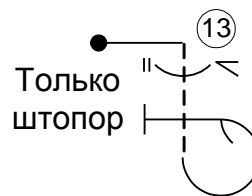
8.6.2



8.6.3



8.6.4





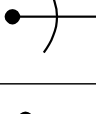
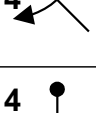
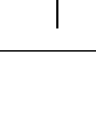
**9.1 УПРАВЛЯЕМЫЕ ВРАЩЕНИЯ**

| <b>9.1</b> |  | <b>1/4</b> | <b>1/2</b> | <b>3/4</b> | <b>1</b> | <b>1 1/4</b> | <b>1 1/2</b> | <b>1 3/4</b> | <b>2</b> |
|------------|--|------------|------------|------------|----------|--------------|--------------|--------------|----------|
| <b>1</b>   |  | 6          | 8          |            |          |              |              |              |          |
| <b>2</b>   |  |            | 6          |            | 10       |              |              |              |          |
| <b>3</b>   |  | 2          | 4          |            | 8        |              | 10           |              |          |
| <b>4</b>   |  |            | 4          |            |          |              |              |              |          |
| <b>5</b>   |  | 2          |            |            |          |              |              |              |          |
|            |  | <b>1</b>   | <b>2</b>   | <b>3</b>   | <b>4</b> | <b>5</b>     | <b>6</b>     | <b>7</b>     | <b>8</b> |

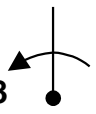
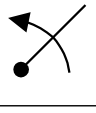
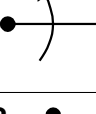
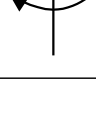
**9.2 ВРАЩЕНИЯ, ФИКСИРОВАННЫЕ ЧЕРЕЗ 180°**

| <b>9.2</b> |  |          |          |          | <b>1</b> |          | <b>1 1/2</b> |          | <b>2</b> |
|------------|--|----------|----------|----------|----------|----------|--------------|----------|----------|
| <b>2</b>   |  |          |          |          | 11       |          |              |          |          |
| <b>3</b>   |  |          |          |          | 9        |          | 12           |          |          |
|            |  | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b>     | <b>7</b> | <b>8</b> |

9.4 ВРАЩЕНИЯ, ФИКСИРОВАННЫЕ ЧЕРЕЗ 90°

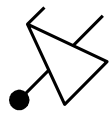
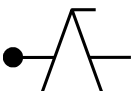
| 9.4 |  |   | 1/2 | 3/4 | 1  | 1 1/4 | 1 1/2 | 1 3/4 | 2 |
|-----|--|---|-----|-----|----|-------|-------|-------|---|
| 1   |   |   |     |     |    |       |       |       |   |
| 2   |   |   | 7   |     | 13 |       |       |       |   |
| 3   |   |   | 5   |     | 11 |       |       |       |   |
| 4   |   |   | 5   |     |    |       |       |       |   |
| 5   |  |   |     |     |    |       |       |       |   |
|     |  | 1 | 2   | 3   | 4  | 5     | 6     | 7     | 8 |

9.2 ВРАЩЕНИЯ, ФИКСИРОВАННЫЕ ЧЕРЕЗ 45°

| 9.8 |   |   | 1/4 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 1 3/4 | 2 |
|-----|---|---|-----|-----|-----|---|-------|-------|-------|---|
| 1   |  | 7 |     |     |     |   |       |       |       |   |
| 2   |  |   | 9   |     |     |   |       |       |       |   |
| 3   |  | 3 | 7   |     |     |   |       |       |       |   |
| 5   |  | 3 |     |     |     |   |       |       |       |   |
|     |   | 1 | 2   | 3   | 4   | 5 | 6     | 7     | 8     |   |



9.9 ПОЛОЖИТЕЛЬНЫЕ ШТОПОРНЫЕ ВРАЩЕНИЯ

|     |   |   |     |     |    |       |       |       |   |
|-----|---|---|-----|-----|----|-------|-------|-------|---|
| 9.9 |   |   | 1/2 | 3/4 | 1  | 1 1/4 | 1 1/2 | 1 3/4 | 2 |
| 2   |  |   | 13  |     |    |       |       |       |   |
| 3   |  |   | 11  |     | 11 |       |       |       |   |
|     |   | 1 | 2   | 3   | 4  | 5     | 6     | 7     | 8 |

9.11 ПРЯМЫЕ ШТОПОРА

|      |   |                       |  |  |  |   |  |  |  |
|------|---|-----------------------|--|--|--|---|--|--|--|
| 9.11 |   |                       |  |  |  |  |  |  |  |
| 1    |  | Ввод с прямого полета |  |  | 5  | 4   | 3  |  |  |
|      |   |                       |  |  | 4  | 5   | 6  | 7  | 8  |