

# Novosyn®

## Szwy wchłaniające

### Opis

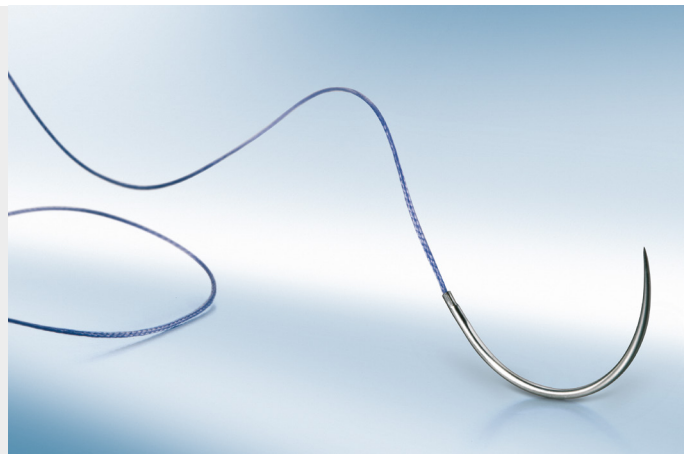
Novosyn® jest syntetycznym, wchłaniającym szwem plecionym wykonanym z kopolimeru 90% glikolidu i 10% L-laktydu. Szw jest powlekany kopolimerem glikolidu i L-laktydu (50%), Poli (glikolid i L-laktyd 30/70) oraz stearynianem wapnia (50%). Idealny szew do zespoleń tkanek miękkich i do podwiązywania we wszystkich procedurach chirurgicznych, gdzie wymagany jest szew syntetyczny, wchłaniający, pleciony o średnim okresie podtrzymywania tkanki.

### Właściwości:

- 75% początkowej siły podtrzymywania po 14 dniach
- 40 - 50% początkowej siły podtrzymywania po 21 dniach
- 25% początkowej siły podtrzymywania po 28 dniach
- Ok. 0% początkowej siły podtrzymywania po 35 dniach
- Całkowita absorpcja masy szwu 56 - 70 dni

### Wskazania:

- Chirurgia żołądkowo - jelitowa
- Ginekologia i położnictwo
- Chirurgia urazowa i ortopedia
- Kręgosłup
- Okulistyka
- Urologia




- Szycie skóry (szew śródskórny, tkanka podskórna)
- Chirurgia małoinwazyjna
- Podwiązki

### Cechy i korzyści:










- Łagodne pozycjonowanie węzła
- Łatwość prowadzenia węzła
- Wytrzymałość i pewność węzła
- Minimalizacja ryzyka reakcji zapalnej
- Wzmocniona elastyczność - zapewnia chirurgowi 100% kontroli w manipulowaniu szwem



## Novosyn®

### Charakterystyka produktu:










|                                    |  |
|------------------------------------|--|
| Struktura                          | Pleciona   |
|                                    |          |
| Kolor                              | Fioletowy lub bezbarwny  |
| Skład chemiczny                    | Kopolimer 90% glikolidu i 10% L- laktydu<br>Poli (glikolid i L-laktyd 90/10)                 |
| Powleczenie                        | 50% Kopolimer glikolidu i L-laktydu Poli (glikolid i L - laktyd 30/70) 50% stearynian wapnia |
| Materiał                           | Syntetyczny  |
| Rozmiary                           | USP 8/0 - USP 2  |
| Zdolność podtrzymywania tkankowego | 50 - 40% - 21 dni po zaimplantowaniu   |
| Absorpcja                          | 56 - 70 dni (proces hydrolizy)   |
| Sterylizacja                       | Tlenek etylenu   |










\* opakowania DDP i RCP







| Igła   |  |                  | Szew                | Grubość szwu USP; metryczna |            |            |          |            |          |          |          |
|--|--|------------------|---------------------|-----------------------------|------------|------------|----------|------------|----------|----------|----------|
| kąt  | długość mm   | średnica mikrony | długość cm<br>kolor | 8/0<br>0.4                  | 7/0<br>0.5 | 6/0<br>0.7 | 5/0<br>1 | 4/0<br>1.5 | 3/0<br>2 | 2/0<br>3 | 0<br>3.5 |
| 3/8 koła igła okrągła mikro                          |  |                  |                     |                             |            |            |          |            |          |          |          |
| 135°   | <b>DRm 6</b><br>      | 140 μ<br>6,4 mm  | 20                  | G0068145                    |            |            |          |            |          |          |          |
|  |  |                  | 35<br>fioletowy     | G0068146                    |            |            |          |            |          |          |          |
| 1/2 koła igła mikrolancetowata                       |  |                  |                     |                             |            |            |          |            |          |          |          |
| 160°   | <b>2xHLM 6</b><br>    | 150 μ<br>5,6 mm  | 30                  | G0068715                    |            |            |          |            |          |          |          |
|  |  |                  | fioletowy           |                             |            |            |          |            |          |          |          |
| 175°   | <b>2xHLM 8</b><br>   | 200 μ<br>8,0 mm  | 30                  | G0068740                    | G0068741   |            |          |            |          |          |          |
|  |  |                  | 45<br>fioletowy     |                             |            |            |          |            |          |          |          |
| 3/8 koła igła mikrolancetowata                       |  |                  |                     |                             |            |            |          |            |          |          |          |
| 140°   | <b>2xDLm5</b><br>   | 150 μ<br>4,9 mm  | 30                  | G0068699                    |            |            |          |            |          |          |          |
|  |  |                  | fioletowy           |                             |            |            |          |            |          |          |          |
| 140°   | <b>DLm 6</b><br>    | 150 μ<br>6,1 mm  | 15                  | G0068615                    |            |            |          |            |          |          |          |
|  |  |                  | 30<br>fioletowy     | G0068724                    |            |            |          |            |          |          |          |
| 140°   | <b>2xDLm 6</b><br>  | 150 μ<br>6,1 mm  | 30                  | G0068702                    |            |            |          |            |          |          |          |
|  |  |                  | 45<br>fioletowy     | G0068701                    |            |            |          |            |          |          |          |
| 137°   | <b>DLm 6s</b><br>   | 200 μ<br>6,6 mm  | 30                  | G0068620                    | G0068621   |            |          |            |          |          |          |
|  |  |                  | fioletowy           |                             |            |            |          |            |          |          |          |
| 137°   | <b>2xDLm 6s</b><br> | 200 μ<br>6,6 mm  | 30                  | G0068710                    | G0068712   |            |          |            |          |          |          |
|  |  |                  | 45<br>fioletowy     | G0068713                    | G0068711   |            |          |            |          |          |          |
| 1/2 koła igła lancetowata z zakończeniem Micro-point |  |                  |                     |                             |            |            |          |            |          |          |          |
|  | <b>2xHLM 8</b><br>  |                  | 45                  |                             |            | G0068966   | G0068967 | G0068968   |          |          |          |
|  |  |                  | fioletowy           |                             |            |            |          |            |          |          |          |
|  |  |                  | 45                  |                             |            | G0069740   |          |            |          |          |          |
|  |  |                  | bezbarny            |                             |            |            |          |            |          |          |          |





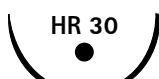
| Igła<br><br>długość<br>mm   | Szew<br><br>długość cm<br>kolor | Grubość szwu USP; metryczna |                      |                      |                      |                                  |          |          |          |
|---|---------------------------------|-----------------------------|----------------------|----------------------|----------------------|----------------------------------|----------|----------|----------|
|   |                                 | 8/0<br>0.4                  | 7/0<br>0.5           | 6/0<br>0.7           | 5/0<br>1             | 4/0<br>1.5                       | 3/0<br>2 | 2/0<br>3 | 0<br>3.5 |
| 1/4 koła igła lancetowata z zakończeniem Micro-point  |                                 |                             |                      |                      |                      |                                  |          |          |          |
| <br>VLM 6      | 45<br>bezbarny                  |                             |                      |                      | G0069201             |                                  |          |          |          |
| <br>2xVLM 6    | 30<br>45<br>fioletowy           |                             |                      | G0068616<br>G0068737 |                      |                                  |          |          |          |
| <br>VLM 8      | 45<br>70<br>fioletowy           |                             |                      | G0068778<br>G0068299 |                      |                                  |          |          |          |
| <br>2xVLM 8  | 20<br>45<br>fioletowy           |                             |                      | G0068733<br>G0068734 | G0068748<br>G0068735 | G0068736                         |          |          |          |
|   | 45<br>bezbarny                  |                             |                      | G0069734             | G0069735             |                                  |          |          |          |
| <br>VLM 10   | 45<br>fioletowy                 |                             |                      | G0068718             |                      |                                  |          |          |          |
| <br>2xVLM 10 | 45<br>fioletowy                 |                             |                      | G0068738             | G0068739             |                                  |          |          |          |
| 1/2 koła igła okrągła   |                                 |                             |                      |                      |                      |                                  |          |          |          |
| <br>HR 6     | 30<br>45<br>fioletowy           |                             | C0068149<br>C0068020 |                      |                      |                                  |          |          |          |
| <br>HR 10    | 70<br>fioletowy                 |                             |                      | C0068002             | C0068003             |                                  |          |          |          |
|   | 45<br>bezbarny                  |                             |                      | C0069802             |                      |                                  |          |          |          |
| <br>HR 13    | 45<br>70<br>90<br>fioletowy     |                             |                      | C0068449<br>C0068006 | C0068450<br>C0068007 | C0068451<br>C0068008<br>C0068452 | C0068009 |          |          |
|   | 45<br>70<br>bezbarny            |                             |                      | C0069405             | C0069407<br>C0069007 | C0069408<br>C0069008             |          |          |          |
| <br>HR 13    | 4x45<br>fioletowy               |                             |                      |                      | C0088718             | C0088719                         |          |          |          |
|   | 8x45<br>fioletowy               |                             |                      |                      | M0088190             | M0088191                         |          |          |          |









odczepiana

| Igła<br><br>długość<br>mm   | Szew<br><br>długość cm<br>kolor           | Grubość szwu USP; metryczna |            |          |  |                                  |                      |                      |          |
|---|---|-----------------------------|------------|----------|--|----------------------------------|----------------------|----------------------|----------|
|   |   | 7/0<br>0.5                  | 6/0<br>0.7 | 5/0<br>1 | 4/0<br>1.5                                   | 3/0<br>2                         | 2/0<br>3             | 0<br>3.5             | 1<br>4   |
| 1/2 koła igła okrągła   |   |                             |            |          |  |                                  |                      |                      |          |
| <br>HR 13ss                      | 45<br>70<br>fioletowy                     |                             |            |          |  | C0088320<br>C0068120             | C0088321<br>C0068110 | C0088322<br>C0068111 |          |
| <br>HR 17f                       | 70<br>fioletowy                           |                             |            |          | C0068888                                     |                                  |                      |                      |          |
| <br>HR 17                       | 45<br>70<br>90<br>fioletowy               |                             | C0068011   | C0068012 | C0088340<br>C0068013<br>C0068853             | C0068014<br>C0068854             | C0068015<br>C0068855 | C0068016             |          |
|   | 70<br>bezbarny                            |                             | C0069011   | C0069012 | C0069013                                     | C0069014                         | C0069015             |                      |          |
| <br>HR 17<br><br>odczepiana    | 4x45<br>4x70<br>8x45<br>8x70<br>fioletowy |                             |            |          | C0088713<br>C0088613<br>M0088185<br>M0088255 | C0088714<br>C0088614<br>M0088187 |                      |                      |          |
| <br>2xHR 17                    | 70<br>90<br>fioletowy                     |                             |            | C0068869 | C0068870                                     | C0068904                         |                      |                      |          |
| <br>HR 17b                     | 70<br>fioletowy                           |                             |            | C0068144 | C0068147                                     | C0068152                         |                      |                      |          |
| <br>2xHR 17b<br><br>odczepiana | 70<br>fioletowy                           |                             |            | C0068163 | C0068176                                     |                                  |                      |                      |          |
| <br>HR 17b<br><br>odczepiana   | 8x45<br>fioletowy                         |                             |            |          |  |                                  | M0068153             |                      |          |
| <br>HR 17s                     | 45<br>70<br>fioletowy                     |                             |            |          | C0068113                                     | C0088335<br>C0068114             | C0068115             | C0068116             | C0068118 |








| Igła<br><br>długość<br>mm   | Szew<br><br>długość cm<br>kolor           | Grubość szwu USP; metryczna |          |  |  |  |            |            |          |
|---|---|-----------------------------|----------|--|--|--|------------|------------|----------|
|   |   | 6/0<br>0.7                  | 5/0<br>1 | 4/0<br>1.5                                   | 3/0<br>2                                     | 2/0<br>3   | 0<br>3.5   | 1<br>4     | 2<br>5   |
| 1/2 koła igła okrągła   |   |                             |          |  |  |  |            |            |          |
|    | 70<br>90<br>fioletowy                     |                             |          | C0068765N1                                   | C0068766N1<br>C0068763                       | C0068767   |            |            |          |
|    | 20<br>45<br>70<br>90<br>120<br>fioletowy  |                             | C0068028 | C0068029N1<br>C0068438                       | C0068030N1<br>C0068877N1<br>C0068078         | C0068004<br>C0088325<br>C0068031N1<br>C0068881<br>C0068880 | C0068032   |            | C0068443 |
|   | 70<br>90<br>bezbarny                      |                             |          | C0069029                                     | C0069030<br>C0069720                         | C0069031   |            | C0069033   |          |
|   | 4x45<br>4x70<br>8x45<br>8x70<br>fioletowy |                             |          | C0088729<br>C0088629<br>M0088177<br>M0088248 | C0088730<br>C0088630<br>M0088178<br>M0088249 | C0088731<br>B0088631<br>M0088180<br>M0088250               |            |            |          |
|  | 90<br>fioletowy                           |                             |          |  | C0068874                                     | C0068875   |            |            |          |
|  | 70<br>90<br>120<br>fioletowy              |                             |          | C0068181                                     | C0068186N1<br>C0068526<br>C0068365           | C0068189   |            |            |          |
|  | 4x45<br>8x45<br>fioletowy                 |                             |          | M0068182                                     | C0088732<br>M0068188                         |  |            |            |          |
|  | 70<br>90<br>fioletowy                     |                             |          | C0068190<br>C0068191                         | C0068192                                     |  |            |            |          |
|  | 70<br>fioletowy                           |                             |          | C0068932                                     | C0068934                                     | C0068036N1   | C0068037N1 | C0068038N1 |          |
|  | 70<br>fioletowy                           |                             |          |  |  |  |            | C0068033   |          |
|  | 70<br>fioletowy                           |                             |          |  |  |  | C0068937   |            |          |







| Igła<br><br>długość<br>mm   | Szew<br><br>długość cm<br>kolor                   | Grubość szwu USP; metryczna |          |  |  |  |                        |                      |        |
|---|---|-----------------------------|----------|--|--|--|------------------------|----------------------|--------|
|   |   | 6/0<br>0.7                  | 5/0<br>1 | 4/0<br>1.5                                   | 3/0<br>2   | 2/0<br>3                                     | 0<br>3.5               | 1<br>4               | 2<br>5 |
| 1/2 koła igła okrągła   |   |                             |          |  |  |  |                        |                      |        |
|    | 20<br>45<br>70<br>90<br>120<br>4x70<br>fioletowy  |                             |          |  | C0068079<br>C0068018<br>C0068109                         |  |                        |                      |        |
|   | 70<br>90<br>bezbarny                              |                             |          | C0068039<br>C0068040N1<br>C0068540           | C0068041N1<br>C0068541N1<br>C0068088<br>C0088647         | C0068042N1<br>C0068542N1<br>C0068543N1       | C0068043N1<br>C0068544 | C0068034<br>C0068545 |        |
|  | 4x45<br>5x45<br>8x45<br>4x70<br>8x70<br>fioletowy |                             |          | C0088740<br>M0088170<br>C0088640<br>M0088237 | C0088741<br>B0088351<br>M0088171<br>C0088641<br>M0088239 | C0088742<br>M0088172<br>C0088642<br>M0088241 |                        |                      |        |
|   | 4x45<br>8x45<br>bezbarny                          |                             |          |  | C0089741<br>M0089116                                     | M0089117                                     |                        |                      |        |
|  | 70<br>90<br>fioletowy                             |                             |          |  | C0068901   | C0068902                                     | C0068907               |                      |        |
|  | 70<br>fioletowy                                   |                             |          | C0068196                                     | C0068198N1   | C0068209N1                                   |                        |                      |        |
|  | 8x45<br>8x70<br>fioletowy                         |                             |          |  | M0068200<br>M0068201                                     |  |                        |                      |        |
|  | 70<br>90<br>fioletowy                             |                             |          |  | C0068210<br>C0068216                                     | C0068217                                     |                        |                      |        |









| Igła  | Szew                                | Grubość szwu USP; metryczna |            |                        |                                    |                          |                          |                          |                      |
|---|-------------------------------------|-----------------------------|------------|------------------------|------------------------------------|--------------------------|--------------------------|--------------------------|----------------------|
| długość<br>mm   | długość cm<br>kolor                 | 5/0<br>1                    | 4/0<br>1.5 | 3/0<br>2               | 2/0<br>3                           | 0<br>3.5                 | 1<br>4                   | 2<br>5                   | 3<br>6               |
| 1/2 koła igła okrągła   |                                     |                             |            |                        |                                    |                          |                          |                          |                      |
|    | 45<br>8x70<br>70<br>90<br>fioletowy |                             |            |                        | C0068019<br>C0068089N1<br>C0068589 | C0068090N1<br>C0068590N1 | C0068091N1<br>C0068591N1 | C0068092N1<br>C0068592N1 | C0068093<br>C0068613 |
|   | 70<br>bezbarnwy                     |                             |            | C0069089               | C0069090                           | C0069091                 | C0069092                 |                          |                      |
|  | 4x45<br>4x70<br>fioletowy           |                             |            |                        | C0088790                           | B0088791<br>B0088691     | B0088792<br>B0088692     | B0088793<br>B0088693     |                      |
|   | 8x45<br>8x70<br>fioletowy           |                             |            |                        | M0088164                           | M0088165<br>M0088232     | M0088166<br>M0088233     | M0088234                 |                      |
| odczepiana  |                                     |                             |            |                        |                                    |                          |                          |                          |                      |
|  | 70<br>90<br>fioletowy               |                             |            |                        |                                    | C0068791                 | C0068100<br>C0068580     | C0068793<br>C0068642     |                      |
|   |                                     |                             |            |                        |                                    |                          |                          |                          |                      |
|  | 4x45<br>8x45<br>fioletowy           |                             |            |                        | C0088810<br>M0088160               |                          |                          |                          |                      |
|   |                                     |                             |            |                        |                                    |                          |                          |                          |                      |
| odczepiana  |                                     |                             |            |                        |                                    |                          |                          |                          |                      |
|  | 70<br>90<br>fioletowy               |                             | C0068035   | C0068046N1<br>C0068446 | C0068047N1<br>C0068447N1           | C0068048N1<br>C0068448N1 | C0068049N1<br>C0068645   | C0068045                 |                      |
|   | 70<br>bezbarnwy                     |                             |            |                        | C0069047                           | C0069048                 |                          |                          |                      |










| Igła<br><br>długość<br>mm  | Szew<br><br>długość cm<br>kolor            | Grubość szwu USP; metryczna |            |  |  |                          |                                      |                                  |        |
|--|--|-----------------------------|------------|--|--|--------------------------|--------------------------------------|----------------------------------|--------|
|  |  | 5/0<br>1                    | 4/0<br>1.5 | 3/0<br>2                                     | 2/0<br>3                                     | 0<br>3.5                 | 1<br>4                               | 2<br>5                           | 3<br>6 |
| 1/2 koła igła okrągła  |  |                             |            |  |  |                          |                                      |                                  |        |
| <br>HR 30<br>odczepiana     | 4x45<br>4x70<br>fioletowy                  |                             |            | C0088660                                     | C0088761<br>B0088661                         | B0088662                 |                                      |                                  |        |
| <br>2xHR 30                 | 70<br>fioletowy                            |                             |            |  | C0068747                                     |                          |                                      |                                  |        |
| <br>HR 30s                 | 70<br>90<br>fioletowy                      |                             |            |  | C0068547                                     | C0068548N1               | C0068549N1<br>C0068633               |                                  |        |
| <br>HR 30ss               | 70<br>90<br>fioletowy                      |                             |            |  |  | C0088716                 | C0068559<br>C0068646                 |                                  |        |
| <br>HR 30ss<br>odczepiana | 4x70<br>8x70<br>fioletowy                  |                             |            |  |  |                          | B0088803<br>M0088225                 |                                  |        |
| <br>HR 37                 | 70<br>90<br>fioletowy                      |                             |            | C0068050N1<br>C0068550N1                     | C0068051N1<br>C0068551N1                     | C0068052N1<br>C0068552N1 | C0068053N1<br>C0068553N1             | C0068054                         |        |
|  | 70<br>90<br>bezbarnwy                      |                             |            | C0069050                                     | C0069051<br>C0069585                         | C0069052                 |                                      |                                  |        |
| <br>HR 37<br>odczepiana   | 4x45<br>4x70<br>8x45<br>8x70<br>fioletowy  |                             |            | C0088769<br>C0088669<br>M0088145<br>M0088218 | C0088770<br>B0088670<br>M0088146<br>M0088219 | B0088671                 |                                      |                                  |        |
| <br>HR 37s                | 45<br>70<br>90<br>4x90<br>150<br>fioletowy |                             | C0068953   | C0068094N1<br>C0068955                       | C0068095N1<br>C0068595N1                     | C0068096N1<br>C0068956N1 | C0068097N1<br>C0068597N1<br>B0088653 | C0068098<br>B0068598<br>B0068125 |        |
|  | 70<br>90<br>bezbarnwy                      |                             |            | C0069099<br>C0069594                         | C0069095<br>C0069595N1                       | C0069096<br>C0069596     | C0069097<br>C0069597                 | C0069098<br>B0069598             |        |
|  |  |                             |            |  |  |                          |                                      |                                  |        |










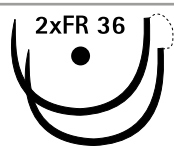



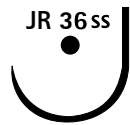
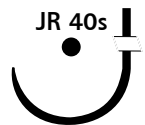

| Igła<br><br>długość<br>mm  | Szew<br><br>długość cm<br>kolor                 | Grubość szwu USP; metryczna |            |                      |                          |                                  |                                      |                      |        |
|--|---|-----------------------------|------------|----------------------|--------------------------|----------------------------------|--------------------------------------|----------------------|--------|
|  |   | 5/0<br>1                    | 4/0<br>1.5 | 3/0<br>2             | 2/0<br>3                 | 0<br>3.5                         | 1<br>4                               | 2<br>5               | 3<br>6 |
| 1/2 koła igła okrągła  |   |                             |            |                      |                          |                                  |                                      |                      |        |
| <br>HR 37s                  | 4x45<br>5x45<br>4x70<br>fioletowy               |                             |            | C0088794             | C0088795                 | B0088796<br>B0088352             | B0088797                             | B0088798             |        |
|  | 8x45<br>8x70<br>fioletowy                       |                             |            | M0088135             | M0088136<br>M0088212     | M0088137<br>M0088213             | M0088139<br>M0088214                 | M0088140<br>M0088215 |        |
|  | 4x45<br>8x45<br>8x70<br>odczepiana<br>bezbarwny |                             |            |                      | C0089795<br>M0089131     | B0089796<br>M0089132<br>M0089504 | B0089797<br>M0089133                 |                      |        |
| <br>HR 37ss               | 70<br>90<br>fioletowy                           |                             |            |                      | C0068121                 | C0068122<br>C0068576             | C0068123<br>C0068577N1               | B0068655             |        |
| <br>HR 37ss<br>odczepiana | 4x45<br>4x70<br>8x45<br>fioletowy               |                             |            |                      |                          | B0088806<br>M0088131             | B0088807<br>B0088707<br>M0088132     |                      |        |
| <br>HR 40                 | 70<br>90<br>fioletowy                           |                             |            |                      | C0068381                 | C0068175N1<br>C0068569N1         | C0068457N1<br>C0068571N1             | B0068661             |        |
| <br>HR 40s                | 70<br>90<br>120<br>fioletowy                    |                             |            | C0068059<br>C0068466 | C0068055N1<br>C0068467N1 | C0068056N1<br>C0068556N1         | C0068057N1<br>C0068557N1<br>B0068555 | C0068058<br>B0068558 |        |
|  | 70<br>90<br>bezbarwny                           |                             |            |                      | C0069055                 |                                  | C0069057<br>C0069559                 | B0069558             |        |
| <br>HR 40s                | 4x45<br>5x45<br>4x70<br>fioletowy               |                             |            |                      | B0088355                 | B0088766                         | B0088767                             | B0088768             |        |
|  | 8x45<br>8x70<br>odczepiana<br>fioletowy         |                             |            |                      | M0088115                 | M0088116                         | M0088117<br>M0088207                 | M0088118<br>M0088208 |        |
| <br>HR 40s<br>pętla       | 150<br>fioletowy                                |                             |            |                      |                          | B0068355                         | B0068350                             |                      |        |









| Igła  | Szew                                   | Grubość szwu USP; metryczna |            |                      |                          |                          |                                  |                                  |        |
|---|--|-----------------------------|------------|----------------------|--------------------------|--------------------------|----------------------------------|----------------------------------|--------|
| długość<br>mm   | długość cm<br>kolor                    | 5/0<br>1                    | 4/0<br>1.5 | 3/0<br>2             | 2/0<br>3                 | 0<br>3.5                 | 1<br>4                           | 2<br>5                           | 3<br>6 |
| 1/2 koła igła okrągła   |  |                             |            |                      |                          |                          |                                  |                                  |        |
|                | 70<br>90<br>fioletowy                  |                             |            |                      |                          | C0068946                 | C0068947N1<br>C0068847N1         | C0068948<br>B0068848             |        |
| <br>odczepiana | 4x45<br>8x45<br>fioletowy              |                             |            |                      |                          |                          | B0088781<br>M0088110             | B0088782<br>M0088111             |        |
|              | 70<br>fioletowy                        |                             |            |                      |                          |                          | C0068169                         | C0068070                         |        |
|              | 70<br>90<br>120<br>fioletowy           |                             |            | C0068099             | C0068060N1<br>C0068560N1 | C0068061N1<br>C0068561N1 | C0068062N1<br>C0068562N1         | C0068063<br>B0068563<br>B0068779 |        |
|   | 70<br>90<br>bezbarny                   |                             |            | C0069059<br>C0069565 | C0069564                 | C0069561                 | C0069562                         |                                  |        |
|              | 4x45<br>5x45<br>4x70<br>fioletowy      |                             |            |                      | B0088785<br>B0088350     | B0088786<br>B0088353     | B0088787<br>B0088354<br>B0088687 | B0088788<br><br>B0088688         |        |
|   | 8x45<br>8x70<br>fioletowy              |                             |            |                      | M0088101                 | M0088102                 | M0088103                         | M0088104<br>M0088204             |        |
|   | 4x45<br>8x45<br>odczepiana<br>bezbarny |                             |            |                      |                          | B0089786<br>M0089140     |                                  |                                  |        |
| <br>pętla    | 150<br>fioletowy                       |                             |            |                      |                          |                          | B0068119                         |                                  |        |







| Igła<br><br>długość<br>mm  | Szew<br><br>długość cm<br>kolor     | Grubość szwu USP; metryczna |            |          |          |          |                                  |                          |        |
|--|-------------------------------------|-----------------------------|------------|----------|----------|----------|----------------------------------|--------------------------|--------|
|  |                                     | 5/0<br>1                    | 4/0<br>1.5 | 3/0<br>2 | 2/0<br>3 | 0<br>3.5 | 1<br>4                           | 2<br>5                   | 3<br>6 |
| 1/2 koła igła okrągła  |                                     |                             |            |          |          |          |                                  |                          |        |
| <br>HR 60                 | 70<br>fioletowy                     |                             |            |          | C0068064 | C0068065 | C0068066                         | C0068068                 |        |
| <br>HR 60<br>pętla        | 150<br>fioletowy                    |                             |            |          |          |          | B0068380                         |                          |        |
| <br>HR 65               | 70<br>90<br>150<br>fioletowy        |                             |            |          | B0068071 |          | B0068072<br>B0068639<br>B0068939 | B0068640<br>B0068940     |        |
|  | 4x70<br>5x70<br>fioletowy           |                             |            |          |          |          | B0088655                         | B0088656<br>B0088684     |        |
|  | 70<br>140<br>bezbarny               |                             |            |          | B0069064 |          |                                  | B0069372                 |        |
| <br>HR 65<br>pętla      | 150<br>240<br>fioletowy             |                             |            |          |          |          | B0068919<br>B0068929             | B0068930                 |        |
| <br>HR 70               | 70<br>90<br>fioletowy               |                             |            |          | B0068803 | B0068804 | B0068183                         | B0088002                 |        |
| <br>HR 70<br>odczepiana | 4x70<br>90<br>fioletowy             |                             |            |          |          |          |                                  | B0088003<br>B0088004     |        |
| <br>HR 76               | 70<br>90<br>100<br>150<br>fioletowy |                             |            | B0068073 | B0068074 | B0068075 | B0068076<br>B0068579<br>B0068926 | B0068077<br><br>B0068931 |        |
| <br>HR 76<br>pętla      | 150<br>fioletowy                    |                             |            |          |          |          | B0068927                         | B0068928                 |        |

| Igła<br><br>długość<br>mm   | Szew<br><br>długość cm<br>kolor | Grubość szwu USP; metryczna |            |            |                      |                      |                      |            |          |
|---|---------------------------------|-----------------------------|------------|------------|----------------------|----------------------|----------------------|------------|----------|
|   |                                 | 8/0<br>0,4                  | 7/0<br>0,5 | 6/0<br>0,7 | 5/0<br>1             | 4/0<br>1,5           | 3/0<br>2             | 2/0<br>3   | 0<br>3.5 |
| 3/8 koła igła okrągła   |                                 |                             |            |            |                      |                      |                      |            |          |
|    | 30<br>fioletowy                 | C0068133                    |            | C0068433   |                      |                      |                      |            |          |
|    | 45<br>fioletowy                 |                             | C0068101   | C0068102   | C0068103             |                      |                      |            |          |
|   | 45<br>60<br>70<br>fioletowy     |                             |            | C0068434   | C0068134<br>C0068435 | C0068105<br>C0068436 |                      |            |          |
|  | 45<br>bezbarnwy                 |                             |            | C0069725   |                      |                      |                      |            |          |
|  | 45<br>70<br>fioletowy           |                             |            |            |                      | C0068137<br>C0068107 |                      |            |          |
|  | 45<br>70<br>fioletowy           |                             |            |            | C0068155             | C0068138<br>C0068150 | C0068151             |            |          |
|  | 70<br>fioletowy                 |                             |            |            |                      | C0068159             | C0068160N1           | C0068161   |          |
|  | 70<br>fioletowy                 |                             |            |            |                      | C0068108             | C0068117             |            |          |
|  | 70<br>120<br>fioletowy          |                             |            |            |                      |                      | C0068164<br>C0068179 | C0068165N1 |          |







| Igła<br><br>długość<br>mm   | Szew<br><br>długość cm<br>kolor | Grubość szwu USP; metryczna |          |            |          |                        |                      |                      |          |
|---|---------------------------------|-----------------------------|----------|------------|----------|------------------------|----------------------|----------------------|----------|
|   |                                 | 6/0<br>0.7                  | 5/0<br>1 | 4/0<br>1.5 | 3/0<br>2 | 2/0<br>3               | 0<br>3.5             | 1<br>4               | 2<br>5   |
| 3/8 koła igła okrągła   |                                 |                             |          |            |          |                        |                      |                      |          |
|    | 70<br>90<br>fioletowy           |                             |          |            | C0068170 | C0068171N1<br>C0068566 | C0068172<br>C0068567 | C0068173<br>C0068568 | C0068168 |
|    | 90<br>fioletowy                 |                             |          |            |          |                        |                      | B0068437             |          |
| 5/8 koła igła okrągła   |                                 |                             |          |            |          |                        |                      |                      |          |
|  | 70<br>bezbarnwy                 |                             |          |            |          | C0069415               |                      |                      |          |
|   | 70<br>90<br>fioletowy           |                             |          |            | C0068414 | C0068415<br>C0068775   | C0068416<br>C0068810 | C0068417             |          |
|  | 70<br>90<br>fioletowy           |                             |          | C0068813   | C0068818 | C0068815<br>C0068820   | C0068817<br>C0068828 |                      |          |
|  | 70<br>fioletowy                 |                             |          |            | C0068027 |                        |                      |                      |          |
|  | 70<br>fioletowy                 |                             |          |            |          |                        |                      | C0068428             |          |



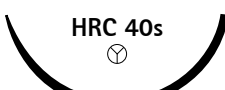





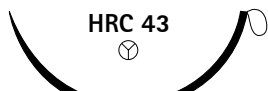

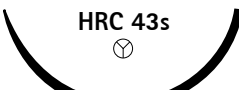

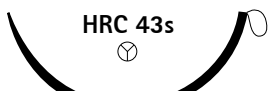



| Igła<br><br>długość<br>mm   | Szew<br><br>długość cm<br>kolor | Grubość szwu USP; metryczna |          |            |          |          |                                  |                      |        |
|---|---------------------------------|-----------------------------|----------|------------|----------|----------|----------------------------------|----------------------|--------|
|   |                                 | 6/0<br>0.7                  | 5/0<br>1 | 4/0<br>1.5 | 3/0<br>2 | 2/0<br>3 | 0<br>3.5                         | 1<br>4               | 2<br>5 |
| 5/8 koła igła okrągła   |                                 |                             |          |            |          |          |                                  |                      |        |
|    | 70<br>90<br>8x90<br>fioletowy   |                             |          |            | C0068424 | C0068425 | C0068426<br>C0068860<br>M0088001 | C0068427             |        |
|    | 90<br>fioletowy                 |                             |          |            |          |          | C0068861                         |                      |        |
|   | 70<br>90<br>fioletowy           |                             |          |            |          | C0068489 | C0068490<br>C0068866             | C0068491<br>C0068867 |        |
| Igła okrągła haczykowata typu „J”   |                                 |                             |          |            |          |          |                                  |                      |        |
|  | 70<br>fioletowy                 |                             |          |            |          | C0068475 |                                  |                      |        |
|  | 70<br>fioletowy                 |                             |          |            |          |          |                                  | C0068481             |        |
|  | 70<br>fioletowy                 |                             |          |            |          | C0068410 | C0068408                         |                      |        |
|  | 70<br>fioletowy                 |                             |          |            |          |          |                                  | C0068478             |        |
| Igła progresywnie zakrzywiona okrągła   |                                 |                             |          |            |          |          |                                  |                      |        |
|  | 45<br>bezbarnwy                 |                             |          | C0069135   |          |          |                                  |                      |        |



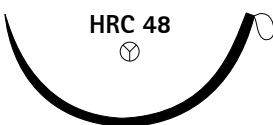













| Igła<br><br>długość<br>mm   | Szew<br><br>długość cm<br>kolor | Grubość szwu USP; metryczna |          |            |          |          |          |          |        |
|---|---------------------------------|-----------------------------|----------|------------|----------|----------|----------|----------|--------|
|   |                                 | 6/0<br>0.7                  | 5/0<br>1 | 4/0<br>1.5 | 3/0<br>2 | 2/0<br>3 | 0<br>3.5 | 1<br>4   | 2<br>5 |
| Igła okrągła typu „narta"   |                                 |                             |          |            |          |          |          |          |        |
| <br><b>SKR 19</b>    | 20                              |                             |          | C0068752   | C0068753 | C0068754 |          |          |        |
|   | 45                              |                             |          |            | C0068154 |          |          |          |        |
|   | 120<br>fioletowy                |                             |          | C0068755   | C0068756 | C0068757 |          |          |        |
| <br><b>SKR 26</b>    | 20                              |                             |          |            | C0068746 | C0068749 |          |          |        |
|   | 30                              |                             |          |            |          | C0068629 |          |          |        |
|   | 120<br>fioletowy                |                             |          |            | C0068744 | C0068751 | C0068781 |          |        |
| <br><b>SKR 26</b>   | 40<br>fioletowy                 |                             |          |            | C0068745 |          |          |          |        |
|   |                                 |                             |          |            |          |          |          |          |        |
|   |                                 |                             |          |            |          |          |          |          |        |
| Igła okrągła prosta   |                                 |                             |          |            |          |          |          |          |        |
| <br><b>GR 19</b>   | 20                              |                             |          | C0068281   | C0068284 |          |          |          |        |
|   | 35                              |                             |          | C0068944   |          |          |          |          |        |
|   | 70<br>fioletowy                 |                             |          |            | C0068285 |          |          | C0068695 |        |
| <br><b>2xGR 19</b> | 35<br>fioletowy                 |                             |          | C0068943   |          |          |          |          |        |
|   |                                 |                             |          |            |          |          |          |          |        |
|   |                                 |                             |          |            |          |          |          |          |        |
| <br><b>GR 19b</b>  | 20<br>fioletowy                 |                             |          | C0068288   |          |          |          |          |        |
|   |                                 |                             |          |            |          |          |          |          |        |
|   |                                 |                             |          |            |          |          |          |          |        |
| <br><b>GR 51</b>   | 70                              |                             |          |            | C0068405 |          |          |          |        |
|   | 90<br>fioletowy                 |                             |          |            |          | C0068185 |          |          |        |
|   |                                 |                             |          |            |          |          |          |          |        |
| <br><b>GR 65</b>   | 90<br>fioletowy                 |                             |          |            |          | C0068994 |          |          |        |
|   |                                 |                             |          |            |          |          |          |          |        |
|   |                                 |                             |          |            |          |          |          |          |        |

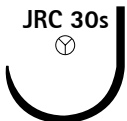
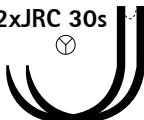

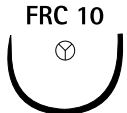
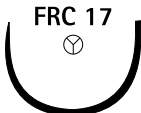

| Igła<br><br>długość<br>mm   | Szew<br><br>długość cm<br>kolor | Grubość szwu USP; metryczna |                      |            |                        |                                    |          |          |        |
|---|---------------------------------|-----------------------------|----------------------|------------|------------------------|------------------------------------|----------|----------|--------|
|   |                                 | 6/0<br>0.7                  | 5/0<br>1             | 4/0<br>1.5 | 3/0<br>2               | 2/0<br>3                           | 0<br>3.5 | 1<br>4   | 2<br>5 |
| 1/2 koła igła okrągła o zakończeniu krótkim tnącym                                  |                                 |                             |                      |            |                        |                                    |          |          |        |
|    | 70<br>fioletowy                 |                             | C0068312             | C0068313   | C0068314               | C0068315                           | C0068316 | C0068081 |        |
|   | 45<br>70<br>bezbarnwy           |                             | C0069309<br>C0069339 | C0069340   | C0069341               |                                    |          |          |        |
|    | 70<br>fioletowy                 |                             |                      |            |                        | C0068785                           |          |          |        |
|  | 70<br>120<br>fioletowy          |                             |                      | C0068325   | C0068326<br>C0068310   | C0068331                           | C0068332 | C0068333 |        |
|   | 70<br>bezbarnwy                 |                             |                      | C0069335   | C0069324               |                                    |          | C0069475 |        |
|  | 20<br>70<br>120<br>fioletowy    |                             |                      | C0068694   | C0068334<br>C0068335N1 | C0068337<br>C0068336N1<br>C0068345 | C0068343 |          |        |
|   | 90<br>bezbarnwy                 |                             |                      |            |                        | C0069778                           |          |          |        |
|  | 4x45<br>8x45<br>fioletowy       |                             |                      |            |                        | C0088036<br>M0088037               |          |          |        |
|   | odczepiana<br>4x70<br>fioletowy |                             |                      |            | B0088065               |                                    |          |          |        |
|  | 70<br>fioletowy                 |                             |                      |            |                        | C0068441                           | C0068721 | C0068444 |        |
|   | 70<br>bezbarnwy                 |                             |                      |            |                        |                                    |          | C0069444 |        |















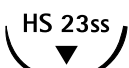
| Igła<br><br>długość<br>mm   | Szew<br><br>długość cm<br>kolor | Grubość szwu USP; metryczna |          |            |          |            |                      |                        |                        |
|---|---------------------------------|-----------------------------|----------|------------|----------|------------|----------------------|------------------------|------------------------|
|   |                                 | 6/0<br>0.7                  | 5/0<br>1 | 4/0<br>1.5 | 3/0<br>2 | 2/0<br>3   | 0<br>3.5             | 1<br>4                 | 2<br>5                 |
| 1/2 koła igła okrągła o zakończeniu krótkim tnącym  |                                 |                             |          |            |          |            |                      |                        |                        |
| <br>HRC 30     | 70<br>fioletowy                 |                             |          |            | C0068373 | C0068372N1 | C0068371             | C0068374               |                        |
| <br>HRC 30s    | 70<br>90<br>fioletowy           |                             |          |            |          |            | C0068716             | C0068375               |                        |
| <br>HRC 37    | 70<br>4x70<br>90<br>fioletowy   |                             |          |            | C0068360 | C0068361N1 | C0068362             | C0068363<br>B0068124   | B0068143               |
|   | 90<br>bezbarnwy                 |                             |          |            | C0068139 | C0068140N1 | C0068141N1           | C0068142N1             |                        |
| <br>HRC 37   | 4x45<br>fioletowy               |                             |          |            |          |            |                      |                        |                        |
| <br>HRC 37s  | 70<br>90<br>fioletowy           |                             |          |            |          | C0068842   | C0068843             | C0068844               | B0068897               |
|   | 90<br>bezbarnwy                 |                             |          |            |          | C0068893N1 | C0068894N1           | C0068895N1             |                        |
| <br>HRC 37ss | 90                              |                             |          |            |          | C0069004   | B0069886             |                        |                        |
|   | 70<br>90<br>fioletowy           |                             |          |            |          |            | C0068329<br>C0068342 | C0068338<br>C0068344N1 | C0068340<br>C0068354N1 |






| Igła<br><br>długość<br>mm  | Szew<br><br>długość cm<br>kolor | Grubość szwu USP; metryczna |          |            |          |                      |                      |                      |                      |
|--|---------------------------------|-----------------------------|----------|------------|----------|----------------------|----------------------|----------------------|----------------------|
|  |                                 | 6/0<br>0.7                  | 5/0<br>1 | 4/0<br>1.5 | 3/0<br>2 | 2/0<br>3             | 0<br>3.5             | 1<br>4               | 2<br>5               |
| 1/2 koła igła okrągła o zakończeniu krótkim tnącym   |                                 |                             |          |            |          |                      |                      |                      |                      |
| <br>HRC 40<br>               | 70<br>90<br>fioletowy           |                             |          |            |          | C0068908<br>C0068949 | C0068909<br>B0068950 | C0068951             |                      |
|  | 70<br>90<br>bezbarnwy           |                             |          |            |          | C0069920             | C0069903             |                      |                      |
| <br>HRC 40s<br>             | 70<br>90<br>fioletowy           |                             |          |            |          | C0068958             | C0068959             | C0068960N1           | C0068961<br>B0068992 |
|  | 70<br>bezbarnwy                 |                             |          |            |          |                      |                      | C0069958             |                      |
| <br>HRC 40ss<br>         | 70<br>fioletowy                 |                             |          |            |          |                      |                      | C0068359             |                      |
|  | 70<br>bezbarnwy                 |                             |          |            |          | C0069010             |                      |                      |                      |
| <br>HRC 43<br>           | 70<br>90<br>fioletowy           |                             |          |            |          | C0068971<br>C0068976 | C0068972<br>C0068977 | C0068978             |                      |
| <br>HRC 43<br><br>pętla  | 150<br>fioletowy                |                             |          |            |          |                      | B0068872             | B0068873             |                      |
| <br>HRC 43s<br>          | 70<br>90<br>fioletowy           |                             |          |            |          | C0068625             |                      | C0068627<br>C0068982 | C0068628<br>B0068983 |
| <br>HRC 43s<br><br>pętla | 150<br>fioletowy                |                             |          |            |          |                      | B0068601             | B0068602             |                      |
| <br>HRC 43ss<br>         | 70<br>90<br>fioletowy           |                             |          |            |          |                      |                      | C0068406<br>B0068399 | C0068368<br>B0068404 |




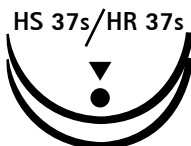


| Igła<br><br>długość<br>mm   | Szew<br><br>długość cm<br>kolor | Grubość szwu USP; metryczna |          |            |          |                      |                      |                                  |                      |
|---|---------------------------------|-----------------------------|----------|------------|----------|----------------------|----------------------|----------------------------------|----------------------|
|   |                                 | 6/0<br>0.7                  | 5/0<br>1 | 4/0<br>1.5 | 3/0<br>2 | 2/0<br>3             | 0<br>3.5             | 1<br>4                           | 2<br>5               |
| 1/2 koła igła okrągła o zakończeniu krótkim tnącym  |                                 |                             |          |            |          |                      |                      |                                  |                      |
| <br>HRC 48<br>          | 70<br>90<br>150<br>fioletowy    |                             |          |            | C0068570 | C0068962<br>C0068572 | C0068963<br>C0068573 | C0068964<br>C0068574<br>B0068837 | C0068965<br>B0068575 |
| <br>HRC 48<br><br>pętla | 150<br>fioletowy                |                             |          |            |          |                      | B0068986             | B0068987                         | B0068988             |
| 3/8 koła igła okrągła o zakończeniu krótkim tnącym  |                                 |                             |          |            |          |                      |                      |                                  |                      |
| <br>DRC 12<br>      | 70<br>fioletowy                 | C0068300                    | C0068301 | C0068302   |          |                      |                      |                                  |                      |
| <br>DRC 18<br>      | 70<br>fioletowy                 |                             |          | C0068460   | C0068468 |                      |                      |                                  |                      |
| <br>DRC 22<br>      | 20<br>70<br>fioletowy           |                             |          |            | C0068827 | C0068830             |                      |                                  |                      |
| <br>DRC 26<br>      | 70<br>fioletowy                 |                             |          |            |          | C0068317             |                      |                                  |                      |
| <br>DRC 30<br>      | 70<br>fioletowy                 |                             |          |            | C0068800 |                      |                      |                                  |                      |
| <br>DRC 32<br>      | 70<br>fioletowy                 |                             |          |            |          | C0068322             | C0068324             |                                  |                      |

| Igła<br><br>długość<br>mm   | Szew<br><br>długość cm<br>kolor                                    | Grubość szwu USP; metryczna |          |            |          |          |          |          |          |
|---|--|-----------------------------|----------|------------|----------|----------|----------|----------|----------|
|   |  | 6/0<br>0.7                  | 5/0<br>1 | 4/0<br>1.5 | 3/0<br>2 | 2/0<br>3 | 0<br>3.5 | 1<br>4   | 2<br>5   |
| Igła okrągła haczykowata typu „J” o zakończeniu krótkim tnącym  |  |                             |          |            |          |          |          |          |          |
| <br><b>JRC 30s</b>   | 70   |                             |          |            |          |          | C0068477 | C0068476 |          |
|   | 90   |                             |          |            |          |          |          |          | C0068857 |
|   | 120  |                             |          |            |          | C0068193 | C0068194 |          |          |
|   | fioletowy  |                             |          |            |          |          |          |          |          |
| <br><b>2xJRC 30s</b> | 45   |                             |          |            |          |          | C0068479 |          |          |
|   | 60   |                             |          |            |          | C0068483 |          |          |          |
|   | fioletowy  |                             |          |            |          |          |          |          |          |
|   | Igła progresywnie zakrzywiona okrągła o zakończeniu krótkim tnącym |                             |          |            |          |          |          |          |          |
| <br><b>PRC 24</b>  | 120  |                             |          |            |          | C0068807 |          |          |          |
|   | fioletowy  |                             |          |            |          |          |          |          |          |
| 5/8 koła igła okrągła o zakończeniu krótkim tnącym  |  |                             |          |            |          |          |          |          |          |
| <br><b>FRC 10</b>  | 30   | C0068798                    |          |            |          |          |          |          |          |
|   | fioletowy  |                             |          |            |          |          |          |          |          |
| <br><b>FRC 17</b>  | 70   |                             |          | C0069003   |          |          |          |          |          |
|   | bezbarnwy  |                             |          |            |          |          |          |          |          |
| <br><b>FRC 22</b>  | 90   |                             |          | C0068523   | C0068505 |          |          |          |          |
|   | fioletowy  |                             |          |            |          |          |          |          |          |
|   | 90   |                             |          | C0069299   | C0069298 |          |          |          |          |
|   | bezbarnwy  |                             |          |            |          |          |          |          |          |





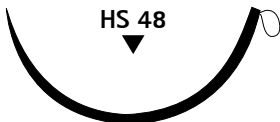
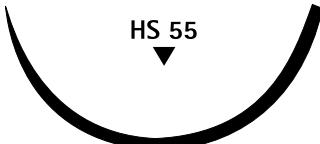
| Igła<br><br>długość<br>mm  | Szew<br><br>długość cm<br>kolor | Grubość szwu USP; metryczna |          |            |          |                      |                      |                      |          |
|--|---------------------------------|-----------------------------|----------|------------|----------|----------------------|----------------------|----------------------|----------|
|  |                                 | 6/0<br>0.7                  | 5/0<br>1 | 4/0<br>1.5 | 3/0<br>2 | 2/0<br>3             | 0<br>3.5             | 1<br>4               | 2<br>5   |
| 1/2 koła igła okrągła o zakończeniu tępych   |                                 |                             |          |            |          |                      |                      |                      |          |
| <br>HRN 30    | 70<br>fioletowy                 |                             |          |            | C0068638 | C0068604             |                      |                      |          |
| <br>HRN 35    | 70<br>90<br>fioletowy           |                             |          |            |          | C0068517<br>C0068617 | C0068518<br>C0068618 | C0068608<br>C0068619 |          |
|  | 70<br>90<br>bezbarnwy           |                             |          |            | C0069550 | C0069549             | C0069553             |                      |          |
| <br>HRN 40  | 70<br>90<br>fioletowy           |                             |          |            |          |                      | C0068634<br>C0068636 | C0068635<br>C0068637 |          |
| <br>HRN 45  | 90<br>fioletowy                 |                             |          |            |          |                      |                      | C0068647             | B0068648 |
| <br>HRN 50  | 90<br>fioletowy                 |                             |          |            |          |                      | C0068663             | C0068664             |          |
| <br>HRN 50s | 90<br>fioletowy                 |                             |          |            |          |                      |                      | C0068228             | B0068229 |
| <br>HRN 65  | 90<br>fioletowy                 |                             |          |            |          |                      |                      | B0068674             | B0068675 |
| 3/8 koła igła okrągła o zakończeniu tępych   |                                 |                             |          |            |          |                      |                      |                      |          |
| <br>DRN 64  | 90<br>fioletowy                 |                             |          |            |          |                      | B0068607             | B0068605             | B0068614 |







| Igła<br><br>długość<br>mm  | Szew<br><br>długość cm<br>kolor | Grubość szwu USP; metryczna |                      |                      |                        |                        |          |          |          |
|--|---------------------------------|-----------------------------|----------------------|----------------------|------------------------|------------------------|----------|----------|----------|
|  |                                 | 6/0<br>0.7                  | 5/0<br>1             | 4/0<br>1.5           | 3/0<br>2               | 2/0<br>3               | 0<br>3.5 | 1<br>4   | 2<br>5   |
| 1/2 koła igła odwrótnie tnąca  |                                 |                             |                      |                      |                        |                        |          |          |          |
| <br>HS 15     | 45<br>70<br>fioletowy           |                             | C0068203<br>C0068233 | C0068204<br>C0068250 |                        |                        |          |          |          |
|  | 45<br>bezbarnwy                 |                             | C0069203             | C0069204             |                        |                        |          |          |          |
| <br>HS 18     | 70<br>fioletowy                 |                             | C0068439             | C0068522             |                        |                        |          | C0068205 |          |
|  | 70<br>bezbarnwy                 |                             |                      | C0069322             |                        |                        |          |          |          |
| <br>HS 21   | 45<br>fioletowy                 |                             |                      | C0068225             | C0068226               |                        |          |          |          |
|  | 70<br>bezbarnwy                 |                             |                      |                      | C0069425               |                        |          |          |          |
| <br>HS 23   | 45<br>70<br>90<br>fioletowy     |                             |                      |                      | C0068230<br>C0068430N1 | C0068431N1<br>C0068524 | C0068432 |          | C0068429 |
|  | 45<br>70<br>bezbarnwy           |                             |                      |                      | C0069230<br>C0069430   | C0069431               | C0069432 | C0069433 |          |
| <br>HS 23ss | 70<br>fioletowy                 |                             |                      |                      |                        |                        |          |          | C0068840 |
|  | 70<br>bezbarnwy                 |                             |                      |                      |                        |                        |          | C0069438 |          |




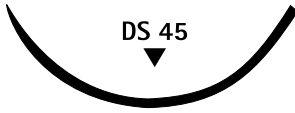

| Igła<br><br>długość<br>mm   | Szew<br><br>długość cm<br>kolor | Grubość szwu USP; metryczna |          |            |                        |                                    |                        |                      |          |
|---|---------------------------------|-----------------------------|----------|------------|------------------------|------------------------------------|------------------------|----------------------|----------|
|   |                                 | 6/0<br>0.7                  | 5/0<br>1 | 4/0<br>1.5 | 3/0<br>2               | 2/0<br>3                           | 0<br>3.5               | 1<br>4               | 2<br>5   |
| 1/2 koła igła odwrotnie tnąca   |                                 |                             |          |            |                        |                                    |                        |                      |          |
|                  | 70<br>90<br>120<br>fioletowy    |                             |          |            | C0068241N1<br>C0068600 | C0068242N1<br>C0068442<br>C0068957 | C0068243               | C0068244             |          |
|   | 70<br>bezbarnwy                 |                             |          |            | C0069440               | C0069441                           |                        |                      |          |
|                 | 70<br>120<br>fioletowy          |                             |          |            | C0068641               | C0068290N1<br>C0068603             | C0068291N1<br>C0068610 | C0068292             |          |
|   | 70<br>bezbarnwy                 |                             |          |            |                        | C0069290                           | C0069084               | C0069293             |          |
| <br>odczepiana | 4x45<br>8x45<br>fioletowy       |                             |          |            |                        | C0088895<br>M0088081               | B0088906               |                      |          |
|                | 70<br>fioletowy                 |                             |          |            |                        |                                    | C0068975               |                      | C0068084 |
|   | 70<br>bezbarnwy                 |                             |          |            |                        |                                    |                        | C0069083             |          |
|                | 70<br>90<br>fioletowy           |                             |          |            |                        | C0068251N1                         | C0068252N1             | C0068253<br>C0068493 |          |
|   | 70<br>bezbarnwy                 |                             |          |            |                        | C0069450                           | C0069451               |                      |          |






| Igła<br><br>długość<br>mm   | Szew<br><br>długość cm<br>kolor | Grubość szwu USP; metryczna |          |            |                      |                          |                                      |                                      |                      |
|---|---------------------------------|-----------------------------|----------|------------|----------------------|--------------------------|--------------------------------------|--------------------------------------|----------------------|
|   |                                 | 6/0<br>0.7                  | 5/0<br>1 | 4/0<br>1.5 | 3/0<br>2             | 2/0<br>3                 | 0<br>3.5                             | 1<br>4                               | 2<br>5               |
| 1/2 koła igła odwrotnie tnąca   |                                 |                             |          |            |                      |                          |                                      |                                      |                      |
| <br>HS 37                  | 90<br>fioletowy                 |                             |          |            | C0068494             | C0068495N1               | C0068496N1                           | C0068497N1                           | B0068498             |
|   | 70<br>90<br>bezbarny            |                             |          |            |                      | C0069461<br>C0069294     | C0069295                             | C0069296                             | B0069297             |
| <br>HS 37s                | 70<br>90<br>120<br>fioletowy    |                             |          |            | C0068293<br>C0068594 | C0068294N1<br>C0068596N1 | C0068296N1<br>C0068582N1<br>B0068611 | C0068297N1<br>C0068583N1<br>B0068632 | C0068298<br>B0068599 |
|   | 70<br>90<br>bezbarny            |                             |          |            | C0069460             | C0069195<br>C0069187     | C0069196                             | C0069197                             |                      |
| <br>HS 37s<br>odczepiana | 4x45<br>fioletowy               |                             |          |            |                      |                          |                                      | B0088705                             |                      |
| <br>HS 37s/HR 37s        | 150<br>fioletowy                |                             |          |            |                      | B0068278                 |                                      |                                      |                      |
| <br>HS 37ss              | 70<br>fioletowy                 |                             |          |            |                      | C0068085                 | C0068086                             | C0068087                             |                      |
|   | 70<br>bezbarny                  |                             |          |            |                      | C0069085                 | C0069088                             | C0069087                             |                      |
| <br>HS 37ss              | 3x45<br>fioletowy               |                             |          |            |                      |                          | B0088701                             |                                      |                      |

















| Igła<br><br>długość<br>mm   | Szew<br><br>długość cm<br>kolor | Grubość szwu USP; metryczna |          |            |          |          |                      |                          |                          |                      |
|---|---------------------------------|-----------------------------|----------|------------|----------|----------|----------------------|--------------------------|--------------------------|----------------------|
|   |                                 | 6/0<br>0.7                  | 5/0<br>1 | 4/0<br>1.5 | 3/0<br>2 | 2/0<br>3 | 0<br>3.5             | 1<br>4                   | 2<br>5                   |                      |
| 1/2 koła igła odwrotnie tnąca   |                                 |                             |          |            |          |          |                      |                          |                          |                      |
|    | 70<br>90<br>fioletowy           |                             |          |            |          |          | C0068805<br>C0068485 | C0068806<br>C0068486N1   | C0068487N1<br>B0068488   |                      |
|    | 70<br>90<br>fioletowy           |                             |          |            |          |          | C0068267<br>C0068585 | C0068268N1<br>C0068586N1 | C0068269N1<br>C0068587N1 | C0068770<br>B0068588 |
|   | 70<br>bezbarnwy                 |                             |          |            |          |          |                      |                          | C0069093                 |                      |
|  | 3x45<br>4x45<br>fioletowy       |                             |          |            |          |          |                      |                          | B0088911<br>B0088912     |                      |
|   | 4x45<br>bezbarnwy               |                             |          |            |          |          |                      |                          | B0089912                 |                      |
|  | 70<br>90<br>fioletowy           |                             |          |            |          |          | C0068691             | C0068261<br>C0068461     | C0068262<br>C0068462N1   | C0068263<br>B0068463 |
|   | 90<br>bezbarnwy                 |                             |          |            |          |          |                      | C0069362                 | C0069363                 | B0069364             |
|  | 150<br>fioletowy                |                             |          |            |          |          |                      |                          | B0068303                 |                      |
|  | 70<br>fioletowy                 |                             |          |            |          |          |                      |                          |                          | C0068227             |

| Igła<br><br>długość<br>mm  | Szew<br><br>długość cm<br>kolor | Grubość szwu USP; metryczna |                                  |                                      |                          |                        |            |        |        |
|--|---------------------------------|-----------------------------|----------------------------------|--------------------------------------|--------------------------|------------------------|------------|--------|--------|
|  |                                 | 6/0<br>0.7                  | 5/0<br>1                         | 4/0<br>1.5                           | 3/0<br>2                 | 2/0<br>3               | 0<br>3.5   | 1<br>4 | 2<br>5 |
| 3/8 koła igła odwrotnie tnąca  |                                 |                             |                                  |                                      |                          |                        |            |        |        |
| <br>DS 9      | 45<br>fioletowy                 | C0068202                    |                                  |                                      |                          |                        |            |        |        |
|  | 45<br>70<br>fioletowy           | C0068206<br>C0068506        | C0068207<br>C0068507             | C0068208<br>C0068508                 |                          |                        |            |        |        |
| <br>DS 12     | 45<br>70<br>fioletowy           | C0069206<br>C0069330        | C0069207<br>C0069331             | C0069208                             |                          |                        |            |        |        |
|  | 45<br>70<br>bezbarnwy           |                             |                                  |                                      |                          |                        |            |        |        |
| <br>2xDS 12 | 45<br>fioletowy                 | C0068706                    | C0068769                         |                                      |                          |                        |            |        |        |
|  | 45<br>70<br>90<br>fioletowy     |                             | C0068212<br>C0068512<br>C0068511 | C0068213<br>C0068513                 | C0068214<br>C0068514     |                        |            |        |        |
| <br>DS 16   | 45<br>70<br>bezbarnwy           |                             | C0069212                         | C0069213<br>C0069513                 | C0069214<br>C0069302     |                        |            |        |        |
|  | 45<br>70<br>90<br>fioletowy     |                             | C0068219<br>C0068419             | C0068220N1<br>C0068420N1<br>C0068224 | C0068221N1<br>C0068421N1 | C0068422N1             |            |        |        |
| <br>DS 19   | 45<br>70<br>90<br>bezbarnwy     |                             | C0069219<br>C0069419             | C0069220N1<br>C0069420N1<br>C0069223 | C0069221N1<br>C0069421N1 | C0069422               |            |        |        |
|  | 45<br>70<br>fioletowy           |                             | C0068232                         | C0068536<br>C0068234N1               | C0068235N1               | C0068236N1             | C0068237N1 |        |        |
| <br>DS 24   | 45<br>70<br>90<br>bezbarnwy     |                             |                                  | C0069534<br>C0069234                 | C0069535<br>C0069235N1   | C0069236N1<br>C0069232 | C0069237   |        |        |

| Igła<br><br>długość<br>mm   | Szew<br><br>długość cm<br>kolor | Grubość szwu USP; metryczna |          |            |            |            |                      |                      |          |
|---|---------------------------------|-----------------------------|----------|------------|------------|------------|----------------------|----------------------|----------|
|   |                                 | 6/0<br>0.7                  | 5/0<br>1 | 4/0<br>1.5 | 3/0<br>2   | 2/0<br>3   | 0<br>3.5             | 1<br>4               | 2<br>5   |
| 3/8 koła igła odwrotnie tnąca   |                                 |                             |          |            |            |            |                      |                      |          |
|    | 70<br>fioletowy                 |                             |          |            | C0068246N1 | C0068247N1 | C0068248N1           | C0068249             | C0068245 |
|   | 70<br>90<br>bezbarwny           |                             |          |            | C0069246   | C0069247N1 | C0069248<br>C0069148 | C0069244             |          |
|   | 70<br>fioletowy                 |                             |          |            | C0068255   | C0068256   | C0068257             | C0068258             | C0068259 |
|   | 70<br>bezbarwny                 |                             |          |            |            | C0069256   |                      |                      |          |
|  | 70<br>90<br>fioletowy           |                             |          |            |            |            | C0068282<br>C0068239 | C0068283<br>C0068240 |          |
|   | 70<br>fioletowy                 |                             |          |            |            | C0068379   |                      |                      |          |
|  | 70<br>fioletowy                 |                             |          |            |            |            |                      |                      |          |
|  | 70<br>bezbarwny                 |                             |          |            |            |            |                      | C0068453             | C0069282 |

| Igła<br><br>długość<br>mm   | Szew<br><br>długość cm<br>kolor | Grubość szwu USP; metryczna |          |            |                      |          |          |        |        |
|---|---------------------------------|-----------------------------|----------|------------|----------------------|----------|----------|--------|--------|
|   |                                 | 6/0<br>0.7                  | 5/0<br>1 | 4/0<br>1.5 | 3/0<br>2             | 2/0<br>3 | 0<br>3.5 | 1<br>4 | 2<br>5 |
| Igła prosta odwrotnie tnąca   |                                 |                             |          |            |                      |          |          |        |        |
|                  | 45<br>fioletowy                 |                             |          | C0068211   |                      |          |          |        |        |
|                  | 45<br>fioletowy                 |                             |          | C0068920   |                      |          |          |        |        |
|                  | 70<br>fioletowy                 |                             |          |            | C0068272             | C0068274 | C0068275 |        |        |
|   | 70<br>bezbarny                  |                             |          | C0069271   | C0069272             | C0069273 |          |        |        |
|                | 45<br>70<br>fioletowy           |                             |          | C0068264   | C0068465<br>C0068265 | C0068266 |          |        |        |
|   | 45<br>70<br>bezbarny            |                             |          | C0069280   | C0069465<br>C0069265 | C0069267 |          |        |        |
| Igła odwrotnie tnąca progresywnie zakrzywna z zakończeniem Micro-point – plastyczna / kosmetyczna |                                 |                             |          |            |                      |          |          |        |        |
|                | 45<br>bezbarny                  |                             | C0069602 | C0069600   |                      |          |          |        |        |

| Igła<br><br>długość<br>mm  | Szew<br><br>długość cm<br>kolor | Grubość szwu USP; metryczna |            |                      |                      |            |          |          |          |
|--|---------------------------------|-----------------------------|------------|----------------------|----------------------|------------|----------|----------|----------|
|  |                                 | 8/0<br>0.4                  | 7/0<br>0.5 | 6/0<br>0.7           | 5/0<br>1             | 4/0<br>1.5 | 3/0<br>2 | 2/0<br>3 | 0<br>3.5 |
| 3/8 koła igła odwrotnie tnąca z zakończeniem Micro-point – plastyczna / kosmetyczna              |                                 |                             |            |                      |                      |            |          |          |          |
| 2xDSMP 6<br>    | 45<br>fioletowy                 |                             | G0068850   |                      |                      |            |          |          |          |
|  |                                 |                             |            |                      |                      |            |          |          |          |
| DSMP 7<br>      | 45<br>bezbarnwy                 |                             |            | C0069601             |                      |            |          |          |          |
|  | 70<br>fioletowy                 |                             | C0068407   |                      |                      |            |          |          |          |
| 2xDSMP 7<br>  | 45<br>fioletowy                 |                             |            | C0068708             |                      |            |          |          |          |
|  | 45<br>bezbarnwy                 |                             |            | C0069709             |                      |            |          |          |          |
| DSMP 11<br>   | 45<br>70<br>fioletowy           |                             | C0068684   | C0068685<br>C0068688 |                      |            |          |          |          |
|  | 45<br>bezbarnwy                 |                             |            | C0069607             | C0069608             |            |          |          |          |
| 2xDSMP 11<br> | 45<br>fioletowy                 |                             |            | C0068726             |                      |            |          |          |          |
| DSMP 13f<br>  | 45<br>bezbarnwy                 |                             |            | C0069617             |                      |            |          |          |          |
| DSMP 13<br>   | 45<br>70<br>fioletowy           |                             |            | C0068622             | C0068623<br>C0068723 | C0068624   |          |          |          |
|  | 45<br>bezbarnwy                 |                             |            | C0069618             | C0069619             | C0069620   |          |          |          |
| 2xDSMP 13<br> | 45<br>fioletowy                 |                             |            |                      | C0068162             |            |          |          |          |
|  | 45<br>bezbarnwy                 |                             |            |                      | C0069715             | C0069716   |          |          |          |

| Igła<br><br>długość<br>mm  | Szew<br><br>długość cm<br>kolor | Grubość szwu USP; metryczna |            |            |                      |                          |                                    |                        |          |
|--|---------------------------------|-----------------------------|------------|------------|----------------------|--------------------------|------------------------------------|------------------------|----------|
|  |                                 | 8/0<br>0.4                  | 7/0<br>0.5 | 6/0<br>0.7 | 5/0<br>1             | 4/0<br>1.5               | 3/0<br>2                           | 2/0<br>3               | 0<br>3.5 |
| 3/8 koła igła odwrotnie tnąca z zakończeniem Micro-point – plastyczna / kosmetyczna            |                                 |                             |            |            |                      |                          |                                    |                        |          |
| <br>DSMP 16   | 45<br>70<br>fioletowy           |                             |            | C0068530   | C0068538<br>C0068782 | C0068531<br>C0068783     | C0068529<br>C0068784               |                        |          |
|  | 45<br>70<br>bezbarny            |                             |            | C0069526   | C0069525<br>C0069325 | C0069524<br>C0069326     | C0069599<br>C0069327               |                        |          |
| <br>DSMP 19  | 45<br>70<br>fioletowy           |                             |            |            | C0068626<br>C0068528 | C0068630<br>C0068823     | C0068631<br>C0068824N1             |                        |          |
|  | 45<br>70<br>bezbarny            |                             |            |            | C0069628<br>C0069528 | C0069629N1<br>C0069529N1 | C0069630N1<br>C0069530N1           | C0069531               |          |
| <br>DSMP 24 | 45<br>70<br>fioletowy           |                             |            |            |                      |                          | C0068025<br>C0068864               | C0068022<br>C0068865N1 |          |
|  | 45<br>70<br>90<br>bezbarny      |                             |            |            |                      | C0069655<br>C0069555     | C0069656<br>C0069556N1<br>C0069572 | C0069657<br>C0069554N1 |          |
| <br>DSMP 30 | 70<br>fioletowy                 |                             |            |            |                      |                          | C0068669                           | C0068670               | C0068671 |
| <br>DSMP 35 | 70<br>fioletowy                 |                             |            |            |                      |                          |                                    | C0068690               |          |
| <br>DSMP 39 | 70<br>fioletowy                 |                             |            |            |                      |                          | C0068659                           | C0068660               |          |
|  | 70<br>bezbarny                  |                             |            |            |                      |                          | C0069659                           | C0069660               |          |

| Igła<br><br>długość<br>mm   | Szew<br><br>długość cm<br>kolor | Grubość szwu USP; metryczna |            |            |          |            |          |          |          |
|---|---------------------------------|-----------------------------|------------|------------|----------|------------|----------|----------|----------|
|   |                                 | 8/0<br>0.4                  | 7/0<br>0.5 | 6/0<br>0.7 | 5/0<br>1 | 4/0<br>1.5 | 3/0<br>2 | 2/0<br>3 | 0<br>3.5 |
| 1/2 koła igła odwrotnie tnąca z zakończeniem Micro-point – plastyczna / kosmetyczna |                                 |                             |            |            |          |            |          |          |          |
| <div>HSMP 9</div> <div></div>   | 45<br>bezbarny                  |                             |            |            | C0069591 | G0069593   |          |          |          |
| <div>2xHSMP 9</div> <div></div>   | 35<br>45<br>fioletowy           | C0068673                    |            | C0068758   |          |            |          |          |          |
| <div>HSMP 12</div> <div></div>  | 45<br>bezbarny                  |                             |            | C0069606   | G0069632 | G0069633   |          |          |          |
| <div>HSMP 15</div> <div></div>  | 45<br>bezbarny                  |                             |            |            | G0069635 | C0069636   |          |          |          |
| Igła<br><br>długość<br>mm   | Szew<br><br>długość cm<br>kolor | Grubość szwu USP; metryczna |            |            |          |            |          |          |          |
|   |                                 | 6/0<br>0.7                  | 5/0<br>1   | 4/0<br>1.5 | 3/0<br>2 | 2/0<br>3   | 0<br>3.5 | 1<br>4   | 2<br>5   |
| 1/2 koła igła okrągła przeciwbakteryjna   |                                 |                             |            |            |          |            |          |          |          |
| <div>HRB 37s</div> <div></div>  | 90<br>bezbarny                  |                             |            |            |          |            | C0069822 |          |          |
| <div>HRB 40s</div> <div></div>  | 90<br>fioletowy                 |                             |            |            |          |            |          | C0068516 |          |
| <div>HRB 48</div> <div></div>   | 90<br>bezbarny                  |                             |            |            |          |            |          | C0069772 |          |
| <div>HRB 48</div> <div></div> <div>odczepiana</div>                                 | 8x45<br>fioletowy               |                             |            |            |          |            |          |          | M0088282 |
|   | 8x45<br>bezbarny                |                             |            |            |          |            | M0089770 | M0089771 |          |

## Podwiązki

|                | Szew<br><br>długość cm<br>kolor | Grubość szwu USP; metryczna |          |            |          |          |          |          |          |
|----------------|---------------------------------|-----------------------------|----------|------------|----------|----------|----------|----------|----------|
|                |                                 | 6/0<br>0.7                  | 5/0<br>1 | 4/0<br>1.5 | 3/0<br>2 | 2/0<br>3 | 0<br>3.5 | 1<br>4   | 2<br>5   |
| Nici przycięte |                                 |                             |          |            |          |          |          |          |          |
|                | 3x45<br>fioletowy               |                             | C0058623 | C0058624   | C0058625 | C0058626 | C0058627 | C0058629 | C0058630 |
|                | 3x45<br>bezbarnwy               |                             |          | C0059624   | C0059625 | C0059626 | C0059627 | C0059629 | C0059630 |
|                | 6x45<br>fioletowy               |                             | C0058643 | C0058644   | C0058645 | C0058646 | B0058647 | B0058649 | B0058650 |
|                | 6x45<br>bezbarnwy               |                             |          | C0059644   | C0059645 | C0059646 | B0059647 | B0059649 |          |
|                | 12x45<br>fioletowy              |                             |          | C0058664   | C0058665 | C0058666 | B0058667 | B0058669 | B0058670 |
|                | 12x45<br>bezbarnwy              |                             |          | C0059664   | C0059665 | C0059666 | B0059667 | B0059669 | B0059670 |
|                | 10x60<br>fioletowy              |                             | C0058180 | C0058181   | C0058182 | C0058183 | B0058567 | B0058568 |          |
|                | 2x70<br>fioletowy               |                             |          | C0058404   | C0058405 | C0058406 | C0058407 | C0058409 | C0058410 |
|                | 2x70<br>bezbarnwy               |                             |          |            | C0059405 |          |          | C0059409 | C0059410 |
|                | 5x70<br>fioletowy               |                             |          | C0058444   | C0058445 | C0058446 | C0058447 | B0058449 | B0058450 |
|                | 5x70<br>bezbarnwy               |                             |          |            | C0059445 | C0059446 | C0059447 |          | B0059450 |
|                | 4x90<br>fioletowy               |                             |          |            |          | C0058064 |          |          |          |
|                | 5x90<br>fioletowy               |                             |          |            |          | C0058456 | C0058457 |          |          |
|                | 1x140<br>fioletowy              |                             | C0058203 | C0058204   | C0058205 | C0058207 | C0058208 | C0058209 | C0058210 |
|                | 1x140<br>bezbarnwy              |                             |          |            | C0059205 | C0059207 | C0059208 |          |          |
|                | 1x150<br>fioletowy              |                             |          | B0058704   | B0058705 | B0058706 | B0058707 | B0058709 | B0058708 |



|                       | Szew<br>długość cm<br>kolor | Grubość szwu USP; metryczna |          |            |          |          |          |          |          |
|-----------------------|-----------------------------|-----------------------------|----------|------------|----------|----------|----------|----------|----------|
|                       |                             | 6/0<br>0.7                  | 5/0<br>1 | 4/0<br>1.5 | 3/0<br>2 | 2/0<br>3 | 0<br>3.5 | 1<br>4   | 2<br>5   |
| Szpulki z podwiązkami |                             |                             |          |            |          |          |          |          |          |
|                       | 1x250<br>fioletowy          |                             |          |            | G0058715 | G0058716 | G0058717 | G0058719 | G0058720 |
|                       | 1x250<br>bezbarnwy          |                             |          |            | G0059715 | G0059716 | G0059717 |          |          |