

$\phi 1 \sim \phi 16$ 

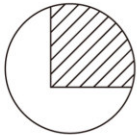
加工穴精度 : H7

ジャストサイズ +0.01~0.05あり

# S-NVRH

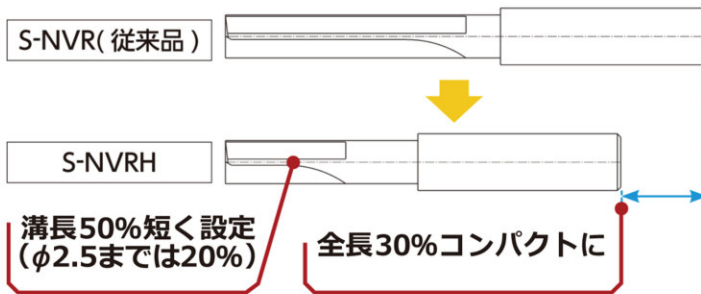


## NVリーマ (ハーフサイズ)

 刃先コーナー  
ピン角フラット


下穴のあるワークに使用する超硬バニシングリーマ。従来品 (S-NVR) に比べ全長が短く、使い勝手は良好。ニチアロイ独自の刃型。抜群の真直性で鏡面仕上げ可能。ジャストサイズ +0.01~0.05の寸法も揃え、豊富なラインナップ。計191サイズ。

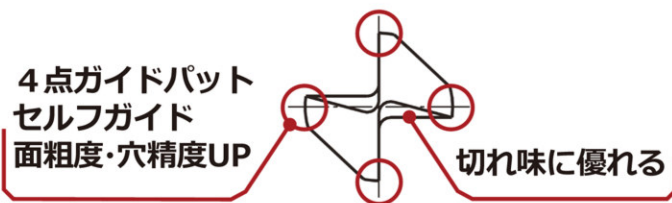
### 特徴



工具付出し量低減

たわみ量低減

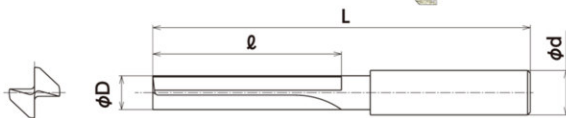
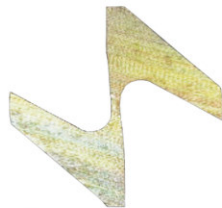
工具破損の低減  
真直性の向上



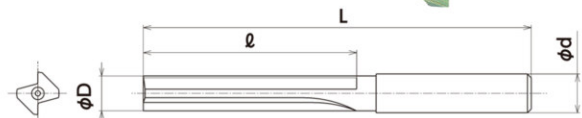
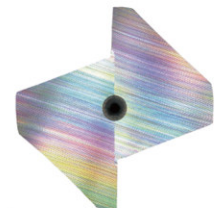
- リーマ中心部までシャープな切れ味を有する (TYPE A)
- 刃先コーナー部はピン角フラット形状
- ガイドパット側のマージン幅が広い設定

### 形状

#### TYPE A

 $\phi 1 \sim \phi 6.5$   
シンニング付


#### TYPE B

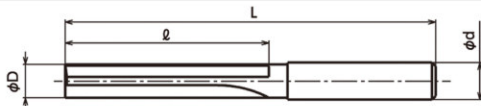
 $\phi 6.6$  以上  
センター穴付


### 推奨条件

|         |   |          |   |     |   |
|---------|---|----------|---|-----|---|
| 炭素鋼・合金鋼 |   | アルミニウム合金 | ◎ | 銅合金 | △ |
| 鋳鉄      | ◎ | 樹脂       |   | 真鍮  | △ |
| ダクタイル鋳鉄 | ○ | ステンレス    |   |     |   |

| 被削材 | 切削速度 V (m/min) | 送り f (mm/rev) |
|-----|----------------|---------------|
| アルミ | 50 ~ 150       | 0.05 ~ 0.15   |
| 鋳鉄  | 20 ~ 70        | 0.05 ~ 0.1    |





| φ D公差       |                  |                  |                  |                  |
|-------------|------------------|------------------|------------------|------------------|
| φ 1~φ 2.9   | φ 3~φ 4.05       | φ 4.1~φ 6.05     | φ 6.1~φ 10.05    | φ 10.1~φ 16      |
| +0.003<br>0 | +0.007<br>+0.003 | +0.008<br>+0.004 | +0.010<br>+0.005 | +0.012<br>+0.006 |

| φ d公差       |             |             |             |             |
|-------------|-------------|-------------|-------------|-------------|
| φ 1~φ 2.9   | φ 3         | φ 4~φ 5     | φ 6~φ 10    | φ 11~φ 16   |
| +0.003<br>0 | 0<br>-0.010 | 0<br>-0.012 | 0<br>-0.015 | 0<br>-0.018 |

●:在庫品 ★:特定代理店在庫品 ○:受注生産品 単位:mm

| 在庫 | 型番            | D    | ℓ  | L  | d   |
|----|---------------|------|----|----|-----|
| ●  | S-NVRH0100030 | 1    | 8  | 30 | 1   |
| ●  | S-NVRH0110030 | 1.1  | 8  | 30 | 1.1 |
| ●  | S-NVRH0120030 | 1.2  | 8  | 30 | 1.2 |
| ●  | S-NVRH0130030 | 1.3  | 8  | 30 | 1.3 |
| ●  | S-NVRH0140030 | 1.4  | 8  | 30 | 1.4 |
| ●  | S-NVRH0150030 | 1.5  | 8  | 30 | 1.5 |
| ●  | S-NVRH0160030 | 1.6  | 8  | 30 | 1.6 |
| ●  | S-NVRH0170030 | 1.7  | 8  | 30 | 1.7 |
| ●  | S-NVRH0180030 | 1.8  | 8  | 30 | 1.8 |
| ●  | S-NVRH0190030 | 1.9  | 8  | 30 | 1.9 |
| ●  | S-NVRH0200040 | 2    | 10 | 40 | 2   |
| ●  | S-NVRH0210040 | 2.1  | 10 | 40 | 2.1 |
| ●  | S-NVRH0220040 | 2.2  | 10 | 40 | 2.2 |
| ●  | S-NVRH0230040 | 2.3  | 10 | 40 | 2.3 |
| ●  | S-NVRH0240040 | 2.4  | 10 | 40 | 2.4 |
| ●  | S-NVRH0250040 | 2.5  | 10 | 40 | 2.5 |
| ●  | S-NVRH0260050 | 2.6  | 10 | 50 | 2.6 |
| ●  | S-NVRH0270050 | 2.7  | 10 | 50 | 2.7 |
| ●  | S-NVRH0280050 | 2.8  | 10 | 50 | 2.8 |
| ●  | S-NVRH0290050 | 2.9  | 10 | 50 | 2.9 |
| ●  | S-NVRH0300055 | 3    | 25 | 55 | 3   |
| ★  | S-NVRH0301055 | 3.01 | 25 | 55 | 3   |
| ★  | S-NVRH0302055 | 3.02 | 25 | 55 | 3   |
| ★  | S-NVRH0303055 | 3.03 | 25 | 55 | 3   |
| ★  | S-NVRH0304055 | 3.04 | 25 | 55 | 3   |
| ★  | S-NVRH0305055 | 3.05 | 25 | 55 | 3   |
| ●  | S-NVRH0310055 | 3.1  | 25 | 55 | 3   |
| ●  | S-NVRH0320055 | 3.2  | 25 | 55 | 3   |
| ●  | S-NVRH0330055 | 3.3  | 25 | 55 | 3   |
| ●  | S-NVRH0340055 | 3.4  | 25 | 55 | 3   |
| ●  | S-NVRH0350055 | 3.5  | 25 | 55 | 3   |
| ●  | S-NVRH0360055 | 3.6  | 25 | 55 | 4   |
| ●  | S-NVRH0370055 | 3.7  | 25 | 55 | 4   |
| ●  | S-NVRH0380055 | 3.8  | 25 | 55 | 4   |
| ●  | S-NVRH0390055 | 3.9  | 25 | 55 | 4   |
| ●  | S-NVRH0400055 | 4    | 25 | 55 | 4   |
| ★  | S-NVRH0401055 | 4.01 | 25 | 55 | 4   |
| ★  | S-NVRH0402055 | 4.02 | 25 | 55 | 4   |
| ★  | S-NVRH0403055 | 4.03 | 25 | 55 | 4   |
| ★  | S-NVRH0404055 | 4.04 | 25 | 55 | 4   |
| ★  | S-NVRH0405055 | 4.05 | 25 | 55 | 4   |
| ●  | S-NVRH0410055 | 4.1  | 25 | 55 | 4   |
| ●  | S-NVRH0420055 | 4.2  | 25 | 55 | 4   |
| ●  | S-NVRH0430055 | 4.3  | 25 | 55 | 4   |
| ●  | S-NVRH0440055 | 4.4  | 25 | 55 | 4   |
| ●  | S-NVRH0450055 | 4.5  | 25 | 55 | 4   |
| ●  | S-NVRH0460055 | 4.6  | 25 | 55 | 5   |
| ●  | S-NVRH0470055 | 4.7  | 25 | 55 | 5   |
| ●  | S-NVRH0480055 | 4.8  | 25 | 55 | 5   |
| ●  | S-NVRH0490055 | 4.9  | 25 | 55 | 5   |
| ●  | S-NVRH0500055 | 5    | 25 | 55 | 5   |
| ★  | S-NVRH0501055 | 5.01 | 25 | 55 | 5   |
| ★  | S-NVRH0502055 | 5.02 | 25 | 55 | 5   |
| ★  | S-NVRH0503055 | 5.03 | 25 | 55 | 5   |
| ★  | S-NVRH0504055 | 5.04 | 25 | 55 | 5   |
| ★  | S-NVRH0505055 | 5.05 | 25 | 55 | 5   |
| ●  | S-NVRH0510055 | 5.1  | 25 | 55 | 5   |
| ●  | S-NVRH0520055 | 5.2  | 25 | 55 | 5   |
| ●  | S-NVRH0530055 | 5.3  | 25 | 55 | 5   |
| ●  | S-NVRH0540055 | 5.4  | 25 | 55 | 5   |
| ●  | S-NVRH0550055 | 5.5  | 25 | 55 | 5   |
| ●  | S-NVRH0560070 | 5.6  | 30 | 70 | 6   |

| 在庫 | 型番            | D     | ℓ  | L  | d  |
|----|---------------|-------|----|----|----|
| ●  | S-NVRH0570070 | 5.7   | 30 | 70 | 6  |
| ●  | S-NVRH0580070 | 5.8   | 30 | 70 | 6  |
| ●  | S-NVRH0590070 | 5.9   | 30 | 70 | 6  |
| ●  | S-NVRH0600070 | 6     | 30 | 70 | 6  |
| ★  | S-NVRH0601070 | 6.01  | 30 | 70 | 6  |
| ★  | S-NVRH0602070 | 6.02  | 30 | 70 | 6  |
| ★  | S-NVRH0603070 | 6.03  | 30 | 70 | 6  |
| ★  | S-NVRH0604070 | 6.04  | 30 | 70 | 6  |
| ★  | S-NVRH0605070 | 6.05  | 30 | 70 | 6  |
| ●  | S-NVRH0610070 | 6.1   | 30 | 70 | 6  |
| ●  | S-NVRH0620070 | 6.2   | 30 | 70 | 6  |
| ●  | S-NVRH0630070 | 6.3   | 30 | 70 | 6  |
| ●  | S-NVRH0640070 | 6.4   | 30 | 70 | 6  |
| ●  | S-NVRH0650070 | 6.5   | 30 | 70 | 6  |
| ●  | S-NVRH0660070 | 6.6   | 30 | 70 | 7  |
| ●  | S-NVRH0670070 | 6.7   | 30 | 70 | 7  |
| ●  | S-NVRH0680070 | 6.8   | 30 | 70 | 7  |
| ●  | S-NVRH0690070 | 6.9   | 30 | 70 | 7  |
| ●  | S-NVRH0700070 | 7     | 30 | 70 | 7  |
| ★  | S-NVRH0701070 | 7.01  | 30 | 70 | 7  |
| ★  | S-NVRH0702070 | 7.02  | 30 | 70 | 7  |
| ★  | S-NVRH0703070 | 7.03  | 30 | 70 | 7  |
| ★  | S-NVRH0704070 | 7.04  | 30 | 70 | 7  |
| ★  | S-NVRH0705070 | 7.05  | 30 | 70 | 7  |
| ●  | S-NVRH0710070 | 7.1   | 30 | 70 | 7  |
| ●  | S-NVRH0720070 | 7.2   | 30 | 70 | 7  |
| ●  | S-NVRH0730070 | 7.3   | 30 | 70 | 7  |
| ●  | S-NVRH0740070 | 7.4   | 30 | 70 | 7  |
| ●  | S-NVRH0750070 | 7.5   | 30 | 70 | 7  |
| ●  | S-NVRH0760070 | 7.6   | 30 | 70 | 8  |
| ●  | S-NVRH0770070 | 7.7   | 30 | 70 | 8  |
| ●  | S-NVRH0780070 | 7.8   | 30 | 70 | 8  |
| ●  | S-NVRH0790070 | 7.9   | 30 | 70 | 8  |
| ●  | S-NVRH0800070 | 8     | 30 | 70 | 8  |
| ★  | S-NVRH0801070 | 8.01  | 30 | 70 | 8  |
| ★  | S-NVRH0802070 | 8.02  | 30 | 70 | 8  |
| ★  | S-NVRH0803070 | 8.03  | 30 | 70 | 8  |
| ★  | S-NVRH0804070 | 8.04  | 30 | 70 | 8  |
| ★  | S-NVRH0805070 | 8.05  | 30 | 70 | 8  |
| ●  | S-NVRH0810080 | 8.1   | 30 | 80 | 8  |
| ●  | S-NVRH0820080 | 8.2   | 30 | 80 | 8  |
| ●  | S-NVRH0830080 | 8.3   | 30 | 80 | 8  |
| ●  | S-NVRH0840080 | 8.4   | 30 | 80 | 8  |
| ●  | S-NVRH0850080 | 8.5   | 30 | 80 | 8  |
| ●  | S-NVRH0860080 | 8.6   | 38 | 80 | 9  |
| ●  | S-NVRH0870080 | 8.7   | 38 | 80 | 9  |
| ●  | S-NVRH0880080 | 8.8   | 38 | 80 | 9  |
| ●  | S-NVRH0890080 | 8.9   | 38 | 80 | 9  |
| ●  | S-NVRH0900080 | 9     | 38 | 80 | 9  |
| ★  | S-NVRH0901080 | 9.01  | 38 | 80 | 9  |
| ★  | S-NVRH0902080 | 9.02  | 38 | 80 | 9  |
| ★  | S-NVRH0903080 | 9.03  | 38 | 80 | 9  |
| ★  | S-NVRH0904080 | 9.04  | 38 | 80 | 9  |
| ★  | S-NVRH0905080 | 9.05  | 38 | 80 | 9  |
| ●  | S-NVRH0910080 | 9.1   | 38 | 80 | 9  |
| ●  | S-NVRH0920080 | 9.2   | 38 | 80 | 9  |
| ●  | S-NVRH0930080 | 9.3   | 38 | 80 | 9  |
| ●  | S-NVRH0940080 | 9.4   | 38 | 80 | 9  |
| ●  | S-NVRH0950080 | 9.5   | 38 | 80 | 9  |
| ●  | S-NVRH0960080 | 9.6   | 38 | 80 | 10 |
| ●  | S-NVRH0970080 | 9.7   | 38 | 80 | 10 |
| ●  | S-NVRH0980080 | 9.8   | 38 | 80 | 10 |
| ●  | S-NVRH0990080 | 9.9   | 38 | 80 | 10 |
| ●  | S-NVRH1000080 | 10    | 38 | 80 | 10 |
| ★  | S-NVRH1001080 | 10.01 | 38 | 80 | 10 |
| ★  | S-NVRH1002080 | 10.02 | 38 | 80 | 10 |
| ★  | S-NVRH1003080 | 10.03 | 38 | 80 | 10 |
| ★  | S-NVRH1004080 | 10.04 | 38 | 80 | 10 |
| ★  | S-NVRH1005080 | 10.05 | 38 | 80 | 10 |
| ●  | S-NVRH1010080 | 10.1  | 38 | 80 | 10 |
| ●  | S-NVRH1020080 | 10.2  | 38 | 80 | 10 |
| ●  | S-NVRH1030080 | 10.3  | 38 | 80 | 10 |
| ●  | S-NVRH1040080 | 10.4  | 38 | 80 | 10 |
| ●  | S-NVRH1050080 | 10.5  | 38 | 80 | 10 |

| 在庫 | 型番            | D    | ℓ  | L   | d  |
|----|---------------|------|----|-----|----|
| ●  | S-NVRH1060080 | 10.6 | 38 | 80  | 11 |
| ●  | S-NVRH1070080 | 10.7 | 38 | 80  | 11 |
| ●  | S-NVRH1080080 | 10.8 | 38 | 80  | 11 |
| ●  | S-NVRH1090080 | 10.9 | 38 | 80  | 11 |
| ●  | S-NVRH1100080 | 11   | 38 | 80  | 11 |
| ●  | S-NVRH1110080 | 11.1 | 38 | 80  | 11 |
| ●  | S-NVRH1120080 | 11.2 | 38 | 80  | 11 |
| ●  | S-NVRH1130080 | 11.3 | 38 | 80  | 11 |
| ●  | S-NVRH1140080 | 11.4 | 38 | 80  | 11 |
| ●  | S-NVRH1150080 | 11.5 | 38 | 80  | 11 |
| ●  | S-NVRH1160095 | 11.6 | 45 | 95  | 12 |
| ●  | S-NVRH1170095 | 11.7 | 45 | 95  | 12 |
| ●  | S-NVRH1180095 | 11.8 | 45 | 95  | 12 |
| ●  | S-NVRH1190095 | 11.9 | 45 | 95  | 12 |
| ●  | S-NVRH1200095 | 12   | 45 | 95  | 12 |
| ●  | S-NVRH1210095 | 12.1 | 45 | 95  | 12 |
| ●  | S-NVRH1220095 | 12.2 | 45 | 95  | 12 |
| ●  | S-NVRH1230095 | 12.3 | 45 | 95  | 12 |
| ●  | S-NVRH1240095 | 12.4 | 45 | 95  | 12 |
| ●  | S-NVRH1250095 | 12.5 | 45 | 95  | 12 |
| ●  | S-NVRH1260095 | 12.6 | 45 | 95  | 13 |
| ●  | S-NVRH1270095 | 12.7 | 45 | 95  | 13 |
| ●  | S-NVRH1280095 | 12.8 | 45 | 95  | 13 |
| ●  | S-NVRH1290095 | 12.9 | 45 | 95  | 13 |
| ●  | S-NVRH1300095 | 13   | 45 | 95  | 13 |
| ●  | S-NVRH1310100 | 13.1 | 45 | 100 | 13 |
| ●  | S-NVRH1320100 | 13.2 | 45 | 100 | 13 |
| ●  | S-NVRH1330100 | 13.3 | 45 | 100 | 13 |
| ●  | S-NVRH1340100 | 13.4 | 45 | 100 | 13 |
| ●  | S-NVRH1350100 | 13.5 | 45 | 100 | 14 |
| ●  | S-NVRH1360100 | 13.6 | 45 | 100 | 14 |
| ●  | S-NVRH1370100 | 13.7 | 45 | 100 | 14 |
| ●  | S-NVRH1380100 | 13.8 | 45 | 100 | 14 |
| ●  | S-NVRH1390100 | 13.9 | 45 | 100 | 14 |
| ●  | S-NVRH1400100 | 14   | 45 | 100 | 14 |
| ●  | S-NVRH1410100 | 14.1 | 45 | 100 | 16 |
| ●  | S-NVRH1420100 | 14.2 | 45 | 100 | 16 |
| ●  | S-NVRH1430100 | 14.3 | 45 | 100 | 16 |
| ●  | S-NVRH1440100 | 14.4 | 45 | 100 | 16 |
| ●  | S-NVRH1450100 | 14.5 | 45 | 100 | 16 |
| ●  | S-NVRH1460100 | 14.6 | 45 | 100 | 16 |
| ●  | S-NVRH1470100 | 14.7 | 45 | 100 | 16 |
| ●  | S-NVRH1480100 | 14.8 | 45 | 100 | 16 |
| ●  | S-NVRH1490100 | 14.9 | 45 | 100 | 16 |
| ●  | S-NVRH1500100 | 15   | 45 | 100 | 16 |
| ●  | S-NVRH1510100 | 15.1 | 45 | 100 | 16 |
| ●  | S-NVRH1520100 | 15.2 | 45 | 100 | 16 |
| ●  | S-NVRH1530100 | 15.3 | 45 | 100 | 16 |
| ●  | S-NVRH1540100 | 15.4 | 45 | 100 | 16 |
| ●  | S-NVRH1550100 | 15.5 | 45 | 100 | 16 |
| ●  | S-NVRH1560100 | 15.6 | 45 | 100 | 16 |
| ●  | S-NVRH1570100 | 15.7 | 45 | 100 | 16 |
| ●  | S-NVRH1580100 | 15.8 | 45 | 100 | 16 |
| ●  | S-NVRH1590100 | 15.9 | 45 | 100 | 16 |
| ●  | S-NVRH1600100 | 16   | 45 | 100 | 16 |



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