

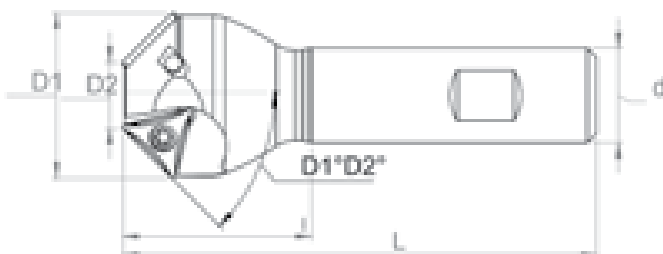
## NÁSTROJE NA SRÁŽENÍ A ZAHLUBOVÁNÍ

## SRAŽECÍ 45° FRÉZY SE ZPĚTNÝM SRAŽENÍM PRO DESTIČKY TAEGUTEC SPMG



| Artikl                        | D2 | D1 | L   | d  | Z | l  | destička | cena            |
|-------------------------------|----|----|-----|----|---|----|----------|-----------------|
| HF45 SP09 D11-25 W20 L150 Z01 | 11 | 25 | 150 | 20 | 1 | 30 | spmg 09  | <b>1 058 Kč</b> |
| HF45 SP11 D24-38 W25 L150 Z02 | 24 | 38 | 150 | 25 | 2 | 35 | spmg11   | <b>1 238 Kč</b> |
| HF45 SP11 D31-45 W32 L150 Z03 | 31 | 45 | 150 | 32 | 3 | 40 | spmg11   | <b>1 328 Kč</b> |

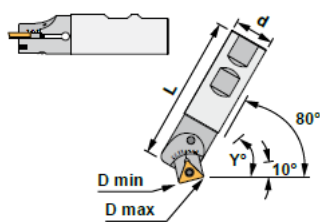
## SRÁŽECÍ ÚHLOVÉ FRÉZY 10° AŽ 72° NA DESTIČKY ISO



| označení                        | D1°D2 | D2 | D1 | L   | d  | Z | l  | destička  | cena        |
|---------------------------------|-------|----|----|-----|----|---|----|-----------|-------------|
| HF45 TC11 D4-15 W16 L100 Z01    | 45    | 4  | 15 | 100 | 16 | 1 | 30 | TCMT 1102 | 991,00 Kč   |
| HF45 TC11 D4-15 W16 L100 Z01-H  | 45    | 4  | 15 | 100 | 16 | 1 | 30 | TCMT 1102 | 1 148,00 Kč |
| HF45 TC16 D5-26 W16 L100 Z01    | 45    | 5  | 26 | 100 | 16 | 1 | 30 | TCMT 16T3 | 991,00 Kč   |
| HF45 TC16 D10-31 W20 L100 Z02   | 45    | 10 | 31 | 100 | 20 | 2 | 35 | TCMT 16T3 | 1 036,00 Kč |
| HF45 TC16 D10-31 W20 L100 Z02-H | 45    | 10 | 31 | 100 | 20 | 2 | 35 | TCMT 16T3 | 1 171,00 Kč |
| HF45 TC16 D14-35 W20 L100 Z02   | 45    | 14 | 35 | 100 | 20 | 2 | 40 | TCMT 16T3 | 1 036,00 Kč |
| HF45 TC16 D14-35 W20 L100 Z02-H | 45    | 14 | 35 | 100 | 20 | 2 | 40 | TCMT 16T3 | 1 171,00 Kč |
| HF45 TC16 D22-43 W25 L100 Z03   | 45    | 22 | 43 | 100 | 25 | 3 | 40 | TCMT 16T3 | 1 126,00 Kč |
| HF45 TC16 D22-43 W25 L100 Z03-H | 45    | 22 | 43 | 100 | 25 | 3 | 40 | TCMT 16T3 | 1 283,00 Kč |
| HF45 TC16 D32-53 W32 L100 Z04   | 45    | 32 | 53 | 100 | 32 | 4 | 45 | TCMT 16T3 | 1 666,00 Kč |
| HF30 TC16 D30-45 W32 L100 Z03   | 30    | 30 | 45 | 100 | 32 | 2 | 40 | TCMT 16T3 | 1 148,00 Kč |
| HF30 TC16 D20-35 W16 L100 Z02   | 30    | 20 | 35 | 100 | 16 | 2 | 40 | TCMT 16T3 | 1 148,00 Kč |
| HF30 TC16 D6-20 W16 L100 Z01    | 30    | 6  | 20 | 100 | 16 | 1 | 30 | TCMT 16T3 | 901,00 Kč   |
| HF25 TC16 D17-30 W16 L100 Z01   | 25    | 17 | 30 | 100 | 16 | 1 | 30 | TCMT 16T3 | 901,00 Kč   |
| HF22.5 TC16 D17-28 W20 L100 Z01 | 22,5  | 17 | 28 | 100 | 20 | 1 | 30 | TCMT 16T3 | 901,00 Kč   |
| HF20 TC16 D17-26 W20 L100 Z01   | 20    | 17 | 26 | 100 | 16 | 1 | 30 | TCMT 16T3 | 901,00 Kč   |
| HF20 TC16 D12-20 W16 L100 Z01   | 20    | 12 | 20 | 100 | 16 | 1 | 30 | TCMT 16T3 | 901,00 Kč   |
| HF17.5 TC16 D17-24 W16 L100 Z01 | 17,5  | 17 | 24 | 100 | 16 | 1 | 30 | TCMT 16T3 | 901,00 Kč   |
| HF15 TC16 D17-22 W16 L100 Z01   | 15    | 17 | 22 | 100 | 16 | 1 | 30 | TCMT 16T3 | 901,00 Kč   |
| HF10 TC16 D18-21 W16 L100 Z01   | 10    | 18 | 21 | 100 | 16 | 1 | 30 | TCMT 16T3 | 901,00 Kč   |
| HF55 TC16 D16-40 W20 L100 Z03   | 55    | 16 | 40 | 100 | 20 | 3 | 40 | TCMT 16T3 | 1 193,00 Kč |
| HF62 TC16 D14-40 W20 L100 Z03   | 62    | 14 | 40 | 100 | 20 | 3 | 40 | TCMT 16T3 | 1 193,00 Kč |
| HF72 TC16 D14-42 W20 L100 Z03   | 72    | 14 | 42 | 100 | 20 | 3 | 40 | TCMT 16T3 | 1 193,00 Kč |

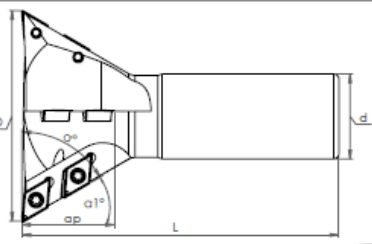
H-nástroj s vnitřním chlazením

## SRÁŽECÍ NASTAVITELNÁ ÚHLOVÁ FRÉZA



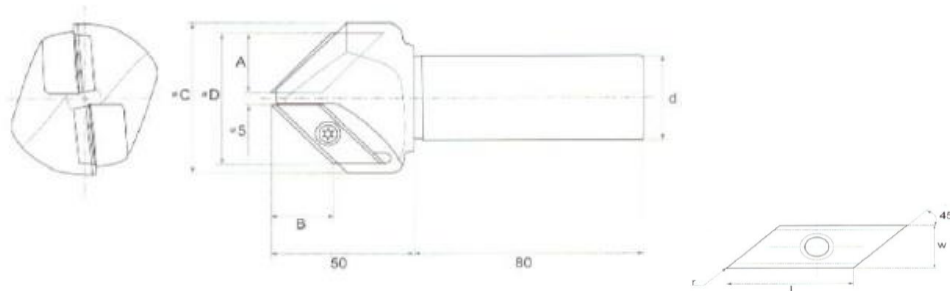
| označení                               | Dmin | Dmax | dh | L   | na vbd | cena            |
|----------------------------------------|------|------|----|-----|--------|-----------------|
| Uhlová srážecí fréza AH15 D025 R1 L100 | 5    | 34   | 25 | 100 | TCMT16 | <b>2 510 Kč</b> |

## STOPKOVÉ SRÁŽECÍ ÚHLOVÉ FRÉZY



| označení                     | D  | Z | Z1 | d  | L   | a° | a1° | ap | vbd    | cena            |
|------------------------------|----|---|----|----|-----|----|-----|----|--------|-----------------|
| BKRF60 DC11 D32 W20 L120 Z02 | 32 | 2 | 2  | 20 | 120 | 60 | 30  | 10 | DCMT11 | <b>2 994 Kč</b> |
| BKRF60 DC11 D40 W25 L120 Z02 | 40 | 2 | 2  | 25 | 120 | 60 | 30  | 10 | DCMT11 | <b>3 445 Kč</b> |
| BKRF60 DC11 D50 W25 L120 Z04 | 50 | 4 | 4  | 25 | 120 | 60 | 30  | 18 | DCMT11 | <b>3 918 Kč</b> |
| BKRF55 DC11 D60 W25 L120 Z04 | 60 | 4 | 6  | 25 | 120 | 55 | 35  | 24 | DCMT11 | <b>4 615 Kč</b> |
| BKRF60 DC11 D80 W32 L120 Z04 | 80 | 4 | 8  | 32 | 120 | 60 | 30  | 34 | DCMT11 | <b>5 178 Kč</b> |
| Z1-efektivní počet zubů      |    |   |    |    |     |    |     |    |        |                 |

## STOPKOVÉ SRÁŽECÍ ÚHLOVÉ FRÉZY PRO SRAŽENÍ HRANY S VBD DLOUHOU l=22MM



| označení       | strana | vrch. úhel | A    | B    | D-max průměr sražení | d  | Z | vbd    | cena            |
|----------------|--------|------------|------|------|----------------------|----|---|--------|-----------------|
| CSC-5031R - 30 | 30°    | 60°        | 14,5 | 25,5 | 34                   | 32 | 1 | XCET31 | <b>1 690 Kč</b> |
| CSC-5031R - 45 | 45°    | 90°        | 20,5 | 20,5 | 46                   | 32 | 2 | XCET31 | <b>2 060 Kč</b> |
| CSC-5031R - 60 | 60°    | 120°       | 25,5 | 14,5 | 55                   | 32 | 2 | XCET31 | <b>2 620 Kč</b> |

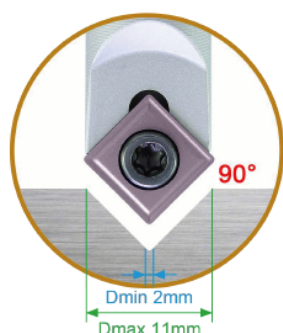
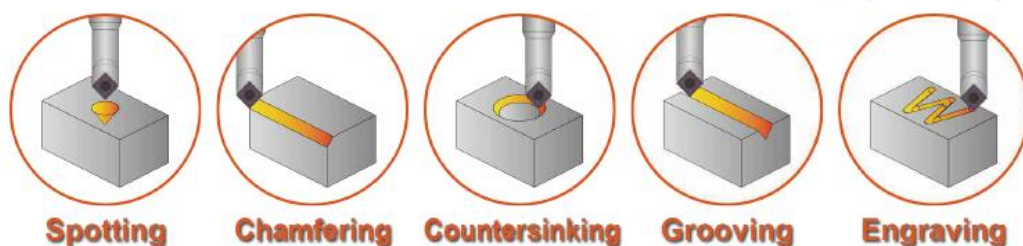
## STŘEDÍCÍ A SRÁŽECÍ NÁSTROJ

- Vysoká produktivita, dlouhá životnost, univerzální použití, 4 řezné hrany, úhel 90°, tělesa na různých průměrech, optimální rádius VBD 0,4 (rádius 0,2 má nízkou životnost a rádius 0,8 má veliký odpor). K dispozici i destičky leštěné nepovlakované na neželezné materiály.

**CENA SETU - 3 250Kč**

**SET = 1ks těleso, 1ks klíč, 1ks náhradní šroubek + 10ks VBD**  
*for Multiple applications*

| P | M | K | N | S | H |
|---|---|---|---|---|---|
| ● | ● | ● | ○ | ○ | ● |

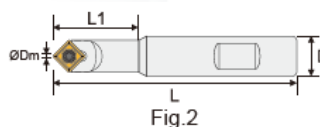
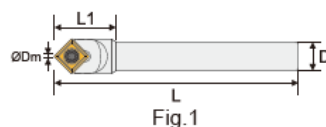


### FEATURES

- Diameter range : 2~11mm
- 4 cutting edges insert for better cost efficiency
- For steel, stainless steel, cast iron, and pre-hardened steel
- Multi-function tool to saving working cost and increasing efficiency, including spotting, chamfering, countersinking, grooving, and engraving
- Applicable for milling machine and lathe

### Design

- IDTS use with 0.4 radius insert to prevents tip cracking
- Available for wider applications



| Order No.       | ØDm | Flute (L1) | OAL (L) | Shank (Ds) | Degree | Fig | Insert   |
|-----------------|-----|------------|---------|------------|--------|-----|----------|
| IDTS10100090-09 | 2   | 29         | 100     | 10         | 90°    | 1   | SCMX09T3 |
| IDTS12100090-09 | 2   | 29         | 100     | 12         | 90°    | 2   |          |
| IDTS16100090-09 | 2   | 29         | 100     | 16         | 90°    | 2   |          |
| IDTS16130090-09 | 2   | 29         | 130     | 16         | 90°    | 2   |          |

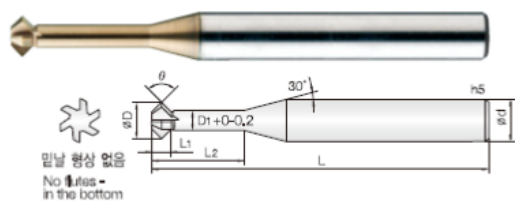
### Spotting

| Material | VC (m/min)      | Fr (mm/rev) |
|----------|-----------------|-------------|
| P        | Carbon steel    | 60~220      |
|          | Alloy steel     | 50~180      |
| M        | Stainless steel | 30~120      |
| K        | Cast iron       | 40~130      |
| H        | Pre-hardened    | 20~60       |

### Chamfering / Countersinking / Grooving

| Material | VC (m/min)      | Fr (mm/rev) |
|----------|-----------------|-------------|
| P        | Carbon steel    | 60~270      |
|          | Alloy steel     | 50~220      |
| M        | Stainless steel | 35~120      |
| K        | Cast iron       | 60~220      |
| H        | Pre-hardened    | 20~60       |

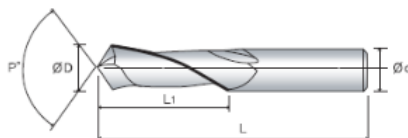
## UNIVERZÁLNÍ OBOUSTRANNÉ SRÁŽECÍ FRÉZY DO 50HRC = ÚSPORA ČASU PŘI ODJEHLOVÁNÍ



| D Size    | D Tolerance     |
|-----------|-----------------|
| Ø 1.5 - 5 | +0 - -0.02mm    |
| Ø 6 - 12  | -0.01 - -0.03mm |

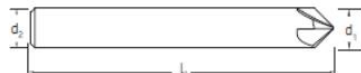
| Artikl           | D  | vrch. úhel/strana | L1  | L2 | D1  | L  | d  | cena     |
|------------------|----|-------------------|-----|----|-----|----|----|----------|
| 4TDA-030-900-120 | 3  | 90°/45°           | 1,5 | 12 | 1,5 | 50 | 4  | 770 Kč   |
| 4TDA-040-900-160 | 4  | 90°/45°           | 2   | 16 | 2   | 50 | 4  | 770 Kč   |
| 4TDA-050-900-200 | 5  | 90°/45°           | 2,4 | 20 | 2,5 | 60 | 6  | 860 Kč   |
| 4TDA-060-900-250 | 6  | 90°/45°           | 2,8 | 25 | 3   | 60 | 6  | 860 Kč   |
| 6TDA-080-900-280 | 8  | 90°/45°           | 3,8 | 28 | 4   | 70 | 8  | 1 320 Kč |
| 6TDA-100-900-350 | 10 | 90°/45°           | 4,8 | 35 | 6   | 80 | 10 | 1 650 Kč |
| 6TDA-120-900-420 | 12 | 90°/45°           | 5,8 | 42 | 6   | 80 | 12 | 1 840 Kč |

## 2 BŘITÉ 90° NC NAVRTÁVÁKY LEŠTĚNÉ NA NEŽELEZNÉ MATERIÁLY, LZE S NIMI I SRÁŽET HRANY



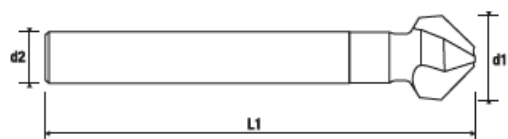
| Artikl    | D  | L1 | L  | d  | cena     |
|-----------|----|----|----|----|----------|
| BCT 06090 | 6  | 12 | 60 | 6  | 370 Kč   |
| BCT 08090 | 8  | 16 | 65 | 8  | 550 Kč   |
| BCT 10090 | 10 | 20 | 70 | 10 | 810 Kč   |
| BCT 12090 | 12 | 20 | 75 | 12 | 1 070 Kč |

## 4Z UNIVERZÁLNÍ SRÁŽECÍ FRÉZY DO 45HRC S VRCHOLOVÝMI ÚHLY 60°, 90° A 120° - nástroj do špičky, stopka weldon, houževnatý povlak proti vyštípnutí nástroje

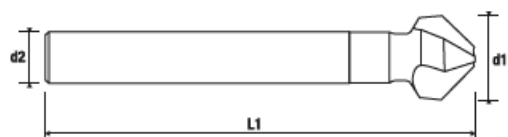


| artikl | d1 | d2 | L1  | vrch.úhel° | cena     |
|--------|----|----|-----|------------|----------|
| 600060 | 6  | 6  | 57  | 60         | 275 Kč   |
| 600080 | 8  | 8  | 63  | 60         | 430 Kč   |
| 600100 | 10 | 10 | 72  | 60         | 630 Kč   |
| 600120 | 12 | 12 | 83  | 60         | 850 Kč   |
| 600160 | 16 | 16 | 92  | 60         | 1 515 Kč |
| 900040 | 4  | 4  | 54  | 90         | 345 Kč   |
| 900060 | 6  | 6  | 57  | 90         | 275 Kč   |
| 900080 | 8  | 8  | 63  | 90         | 430 Kč   |
| 900100 | 10 | 10 | 72  | 90         | 630 Kč   |
| 900120 | 12 | 12 | 83  | 90         | 850 Kč   |
| 900160 | 16 | 16 | 92  | 90         | 1 480 Kč |
| 900200 | 20 | 20 | 104 | 90         | 2 330 Kč |
| 120060 | 6  | 6  | 57  | 120        | 275 Kč   |
| 120080 | 8  | 8  | 63  | 120        | 430 Kč   |
| 120100 | 10 | 10 | 72  | 120        | 630 Kč   |
| 120120 | 12 | 12 | 83  | 120        | 850 Kč   |
| 120160 | 16 | 16 | 92  | 120        | 1 480 Kč |

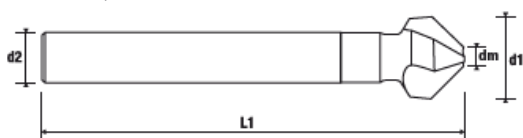
NEW

**KUŽELOVÉ ZÁHLUBNÍKY 90° HSS DIN 335, MOŽNOST SADY, OSTRÉ NA HLINÍK A PLASTY**


| označení                    | D1   | D2 | l1 | cena            |
|-----------------------------|------|----|----|-----------------|
| 2103000630                  | 6,3  | 5  | 45 | <b>229 Kč</b>   |
| 2103000830                  | 8,3  | 6  | 50 | <b>263 Kč</b>   |
| 2103001040                  | 10,4 | 6  | 50 | <b>317 Kč</b>   |
| 2103001240                  | 12,4 | 8  | 56 | <b>340 Kč</b>   |
| 2103001650                  | 16,5 | 10 | 60 | <b>405 Kč</b>   |
| 2103002050                  | 20,5 | 10 | 63 | <b>484 Kč</b>   |
| 2103002500                  | 25   | 10 | 67 | <b>616 Kč</b>   |
| 2103003100                  | 31   | 12 | 71 | <b>786 Kč</b>   |
| BOX2100=SADA od 6,3 do 20,5 |      |    |    | <b>2 164 Kč</b> |

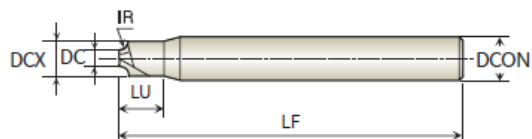
**KUŽELOVÉ ZÁHLUBNÍKY 90° HSS DIN 335, MOŽNOST SADY, S POVLAKEM NA NEREZ, OCEL**


| označení                    | D1   | D2 | l1 | cena            |
|-----------------------------|------|----|----|-----------------|
| 2123000630                  | 6,3  | 5  | 45 | <b>324 Kč</b>   |
| 2123000830                  | 8,3  | 6  | 50 | <b>370 Kč</b>   |
| 2123001040                  | 10,4 | 6  | 50 | <b>378 Kč</b>   |
| 2123001240                  | 12,4 | 8  | 56 | <b>422 Kč</b>   |
| 2123001650                  | 16,5 | 10 | 60 | <b>498 Kč</b>   |
| 2123002050                  | 20,5 | 10 | 63 | <b>607 Kč</b>   |
| 2123002500                  | 25   | 10 | 67 | <b>859 Kč</b>   |
| 2123003100                  | 31   | 12 | 71 | <b>1 212 Kč</b> |
| BOX2100=SADA od 6,3 do 20,5 |      |    |    | <b>2 675 Kč</b> |

**KUŽELOVÉ ZÁHLUBNÍKY 90° TVRDOKOVOVÉ, S POVLAKEM NA NEREZ, NÁSTROJOVÉ OCELI, HARDOX 450**


| označení   | D1   | D2 | l1 | Dmin | cena            |
|------------|------|----|----|------|-----------------|
| 2063900430 | 4,3  | 4  | 40 | 0,5  | <b>1 865 Kč</b> |
| 2063900530 | 5,3  | 4  | 40 | 1    | <b>1 865 Kč</b> |
| 2063900630 | 6,3  | 5  | 45 | 1,5  | <b>1 925 Kč</b> |
| 2063900830 | 8,3  | 6  | 50 | 2    | <b>2 017 Kč</b> |
| 2063901040 | 10,4 | 6  | 50 | 3    | <b>2 097 Kč</b> |
| 2063901240 | 12,4 | 8  | 56 | 3    | <b>2 220 Kč</b> |
| 2063901650 | 16,5 | 10 | 60 | 3,5  | <b>2 316 Kč</b> |
| 2063902050 | 20,5 | 10 | 63 | 4    | <b>2 789 Kč</b> |
| 2063902500 | 25   | 10 | 67 | 4    | <b>3 659 Kč</b> |

## 2Z UNIVERZÁLNÍ TVRDOKOVOVÉ SRÁŽECÍ ČTVRKRHOVÉ FRÉZY VYDUTÉ



| artikl   | IR   | DC  | DCON | LF | cena            |
|----------|------|-----|------|----|-----------------|
| IR0.5-9  | 0,5  | 0,9 | 4    | 45 | <b>465 Kč</b>   |
| IR0.6-5  | 0,6  | 0,5 | 4    | 45 | <b>465 Kč</b>   |
| IR0.7-5  | 0,7  | 0,5 | 4    | 45 | <b>490 Kč</b>   |
| IR0.75-9 | 0,75 | 0,9 | 4    | 45 | <b>465 Kč</b>   |
| IR0.8-9  | 0,8  | 0,9 | 4    | 45 | <b>465 Kč</b>   |
| IR0.9-9  | 0,9  | 0,9 | 4    | 45 | <b>465 Kč</b>   |
| IR1-9    | 1    | 0,9 | 6    | 50 | <b>395 Kč</b>   |
| IR1.25-9 | 1,25 | 0,9 | 4    | 45 | <b>395 Kč</b>   |
| IR1.5-14 | 1,5  | 1,4 | 6    | 50 | <b>395 Kč</b>   |
| IR2-14   | 2    | 1,4 | 6    | 50 | <b>395 Kč</b>   |
| IR2.5-19 | 2,5  | 1,9 | 8    | 60 | <b>465 Kč</b>   |
| IR3-19   | 3    | 1,9 | 8    | 60 | <b>465 Kč</b>   |
| IR3.5-19 | 3,5  | 1,9 | 10   | 70 | <b>585 Kč</b>   |
| IR4-19   | 4    | 1,9 | 10   | 70 | <b>585 Kč</b>   |
| IR4.5-19 | 4,5  | 1,9 | 12   | 80 | <b>930 Kč</b>   |
| IR5-19   | 5    | 1,9 | 12   | 80 | <b>930 Kč</b>   |
| IR6-39   | 6    | 3,9 | 16   | 85 | <b>1 290 Kč</b> |
| IR7-59   | 7    | 5,9 | 20   | 85 | <b>1 655 Kč</b> |
| IR8-39   | 8    | 3,9 | 20   | 85 | <b>1 655 Kč</b> |