

Tabulka srovnání tvrdosti podle různých metod měření

Srovnávat hodnoty tvrdosti lze jen při použití stejné metody a stejného zkušebního zatížení. **Převody**

hodnot tvrdosti podle různých metod

jsou pouze orientační.

Takové převody tvrdosti jsou možné jen na základě provedených porovnávacích zkoušek.

**Převod tvrdosti je obsahem normy ČSN EN ISO 18265 (420379) Kovové materiály -
Převod hodnot tvrdosti (ISO 18265:2003).**

Rockwell	Rockwell Superficial	Brinell	Vickers
A	B	C	D
60kg Brale	100kg 1/16" Ball	150kg Brale	100kg Brale
86.5	---	70	78.5

86.0	---	69	77.7
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85.6	---	68	76.9
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85.0	---	67	76.1
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Konverzní tabulka tvrdosti podle různých metod měření

84.5	---	66	75.4
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83.9	---	65	74.5
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83.4	---	64	73.8
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82.8	---	63	73.0
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82.3	---	62	72.2
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81.8	---	61	71.5
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81.2	---	60	70.7
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80.7	---	59	69.9
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80.1	---	58	69.2
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79.6	---	57	68.5
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79.0	---	56	67.7
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78.5	120	55	66.9
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78.0	120	54	66.1
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77.4	119	53	65.4
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Konverzní tabulka tvrdosti podle různých metod měření

76.8	119	52	64.6
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76.3	118	51	63.8
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75.9	117	50	63.1
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75.2	117	49	62.1
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Konverzní tabulka tvrdosti podle různých metod měření

74.7	116	48	61.4
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74.1	116	47	60.8
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73.6	115	46	60.0
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73.1	115	45	59.2
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72.5	114	44	58.5
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72.0	113	43	57.7
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71.5	113	42	56.9
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70.9	112	41	56.2
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70.4	112	40	55.4
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69.9	111	39	54.6
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69.4	110	38	53.8
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68.9	110	37	53.1
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68.4	109	36	52.3
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67.9	109	35	51.5
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67.4	108	34	50.8
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66.8	108	33	50.0
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66.3	107	32	49.2
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65.8	106	31	48.4
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65.3	105	30	47.7
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64.7	104	29	47.0
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64.3	104	28	46.1
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63.8	103	27	45.2
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63.3	103	26	44.6
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62.8	102	25	43.8
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62.4	101	24	43.1
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62.0	100	23	42.1
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61.5	99	22	41.6
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61.0	98	21	40.9
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Konverzní tabulka tvrdosti podle různých metod měření

60.5	97	20	40.1
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59.0	96	18	---
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58.0	95	16	---
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57.5	94	15	---
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57.0	93	13	---
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56.5	92	12	---
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56.0	91	10	---
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Konverzní tabulka tvrdosti podle různých metod měření

55.5	90	9	---
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55.0	89	8	---
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54.0	88	7	---
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53.5	87	6	---
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53.0	86	5	---
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52.5	85	4	---
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52.0	84	3	---
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Konverzní tabulka tvrdosti podle různých metod měření

51.0	83	2	---
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50.5	82	1	---
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50.0	81	0	---
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49.5	80	---	---
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49.0	79	---	---
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48.5	78	---	---
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48.0	77	---	---
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47.0	76	---	---
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46.5	75	---	---
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46.0	74	---	---
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45.5	73	---	---
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45.0	72	---	---
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44.5	71	---	---
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44.0	70	---	---
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43.5	69	---	---
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43.0	68	---	---
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42.5	67	---	---
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42.0	66	---	---
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41.8	65	---	---
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41.5	64	---	---
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41.0	63	---	---
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40.5	62	---	---
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40.0	61	---	---
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39.5	60	---	---
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39.0	59	---	---
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38.5	58	---	---
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38.0	57	---	---
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37.8	56	---	---
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37.5	55	---	---
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37.0	54	---	---
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36.5	53	---	---
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36.0	52	---	---
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35.5	51	---	---
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35.0	50	---	---
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34.8	49	---	---
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34.5	48	---	---
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34.0	47	---	---
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33.5	46	---	---
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33.0	45	---	---
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32.5	44	---	---
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32.0	43	---	---
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31.5	42	---	---
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31.0	41	---	---
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30.8	40	---	---
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30.5	39	---	---
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30.0	38	---	---
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Konverzní tabulka tvrdosti podle různých metod měření

29.5	37	---	---
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29.0	36	---	---
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28.5	35	---	---
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28.0	34	---	---
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27.8	33	---	---
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27.5	32	---	---
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27.0	31	---	---
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26.5	30	---	---
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26.0	29	---	---
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25.5	28	---	---
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25.0	27	---	---
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24.5	26	---	---
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24.2	25	---	---
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24.0	24	---	---
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23.5	23	---	---
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23.0	22	---	---
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22.5	21	---	---
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22.0	20	---	---
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21.5	19	---	---
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21.2	18	---	---
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21.0	17	---	---
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20.5	16	---	---
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20.0	15	---	---
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Konverzní tabulka tvrdosti podle různých metod měření

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