



203

203

Mounted Points



PFERD-mounted points are distinguished by a constantly high stock removal rate, long service life and excellent workpiece finish. Grinding points suitable for specific applications are manufactured from a wide range of grain types, grit sizes and hardness.

Advantages for our customers:

- High form stability
- Exact concentricity
- Smooth operation



You can find diamond- and CBN-mounted points in catalogue 205



The following table shows optimal bonds for applications on surfaces and edges of the listed materials:

Application recommendations:

Material	Universal grit type hardness	Edge grit type hardness
■ Steel	ADW – M	AR – O
■ Stainless	ADW – L	AN – N
■ Cast iron	AN – N	CU – R
■ Alu./Non-ferrous metals	CN – F-Alu	–
■ Plastics / Paints	AH – D	–

Mounted Points



Grinding on edges



Surface grinding



Deburring



Grinding in an arbor

Grain types

AD = Aluminium oxide, dark red
 AW = Aluminium oxide, white
 AR = Aluminium oxide, pink
 AN = Normal aluminium oxide
 AH = Bubble grain
 ADW = Aluminium oxide mix, AD + AW
 AWN = Aluminium oxide mix, AW + AN
 ARN = Aluminium oxide mix, AR + AN
 CN = Silicon carbide, green
 CU = Silicon carbide, grey


Grade of hardness

H, I, K, L
 M, R, N, F Alu
 O
 T
 D
 J

You can find further PFERD-mounted points in catalogue 203.

Mounted Points




Form		ZY  catalogue 203, pages 6 - 8		
Material	Grit type/ Hardness			
Universal	ADW-M 20-40 m/s*	shank 3 mm 0205 3 ADW 100 M 0306 3 ADW 100 M 0408 3 ADW 60 M 0408 3 ADW 100 M 0510 3 ADW 60 M 0510 3 ADW 100 M 0613 3 ADW 60 M 0613 3 ADW 100 M 0810 3 ADW 46 M	0810 3 ADW 80 M 0816 3 ADW 46 M 1002 3 ADW 100 M 1013 3 ADW 46 M 1303 3 ADW 60 M 1303 3 ADW 100 M	0613 6 ADW 60 M 0613 6 ADW 100 M 0810 6 ADW 80 M 0816 6 ADW 46 M 0816 6 ADW 80 M 1013 6 ADW 46 M
			0306 6 ADW 100 M 0408 6 ADW 60 M 0510 6 ADW 60 M	1020 6 ADW 46 M 1020 6 ADW 80 M 1025 6 ADW 46 M 1032 6 ADW 46 M
Edge	AR-O 15-40 m/s*	shank 3 mm 0205 3 AR 100 O 0306 3 AR 100 O 0402 3 AR 100 O 0408 3 AR 60 O 0408 3 AR 100 O 0510 3 AR 60 O 0510 3 AR 100 O 0515 3 AR 60 O 0613 3 AR 60 O 0613 3 AR 100 O 0625 3 AR 60 O 0802 3 AR 100 O 0810 3 AR 46 O 0810 3 AR 80 O 0816 3 AR 46 O 0816 3 AR 80 O 1002 3 AR 100 O 1013 3 AR 46 O 1013 3 AR 80 O	1303 3 AR 60 O 1303 3 AR 100 O 1313 3 AR 46 O 1313 3 AR 80 O 1604 3 AR 46 O 1604 3 AR 80 O 2006 3 AR 46 O 2006 3 AR 80 O	0810 6 AR 46 O 0810 6 AR 80 O 0816 6 AR 46 O 0816 6 AR 80 O 1002 6 AR 100 O 1005 6 AR 46 O 1013 6 AR 46 O 1013 6 AR 80 O 1020 6 AR 46 O 1020 6 AR 80 O 1025 6 AR 46 O 1025 6 AR 80 O 1032 6 AR 46 O 1032 6 AR 80 O 1303 6 AR 60 O 1303 6 AR 100 O 1306 6 AR 46 O 1313 6 AR 46 O 1313 6 AR 80 O 1320 6 AR 46 O
			0205 6 AR 100 O 0306 6 AR 100 O 0408 6 AR 60 O 0408 6 AR 100 O 0510 6 AR 60 O 0510 6 AR 100 O 0625 6 AR 60 O 0802 6 AR 100 O	shank 6 mm 0205 6 AR 100 O 0306 6 AR 100 O 0408 6 AR 60 O 0408 6 AR 100 O 0510 6 AR 60 O 0510 6 AR 100 O 0613 6 AR 60 O 0613 6 AR 100 O 0625 6 AR 60 O 0802 6 AR 100 O
Universal	ADW-L 25-50 m/s*	shank 6 mm 0816 6 ADW 46 L 1020 6 ADW 46 L	1032 6 ADW 46 L 1632 6 ADW 30 L 2025 6 ADW 30 L	2025 6 ADW 60 L 2040 6 ADW 30 L 2513 6 ADW 30 L
Edge Universal	AN-N 20-40 m/s*	shank 6 mm 0816 6 AN 46 N 1020 6 AN 46 N 1032 6 AN 46 N 1325 6 AN 46 N	1632 6 AN 30 N 1632 6 AN 60 N 1650 6 AN 30 N 2008 6 AN 30 N 2025 6 AN 30 N	2040 6 AN 30 N 2506 6 AN 30 N 2513 6 AN 30 N 2532 6 AN 30 N 2540 6 AN 30 N
Universal	CN-F Alu 20-40 m/s*	shank 6 mm 1620 6 CN 80 F-Alu 2032 6 CN 80 F-Alu	4020 6 CN 80 F-Alu	
Universal	AH-D 10-20 m/s*	shank 6 mm 1632 6 AH 1 D 2532 6 AH 1 D	4020 6 AH 2 D	

Order numbers printed in blue refer to products with user preferred head dimensions.
34 * Peripheral speed

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1313 6 ADW 46 M 1320 6 ADW 46 M 1325 6 ADW 46 M 1325 6 ADW 80 M 1340 6 ADW 46 M 1604 6 ADW 46 M 1620 6 ADW 30 M 1620 6 ADW 60 M 1632 6 ADW 30 M 1632 6 ADW 60 M	1640 6 ADW 30 M 1640 6 ADW 60 M 2006 6 ADW 46 M 2020 6 ADW 30 M 2025 6 ADW 30 M 2025 6 ADW 60 M 2032 6 ADW 30 M 2040 6 ADW 30 M 2040 6 ADW 60 M 2506 6 ADW 46 M	2510 6 ADW 30 M 2516 6 ADW 60 M 2525 6 ADW 30 M 2532 6 ADW 30 M 2532 6 ADW 60 M 3208 6 ADW 30 M 3216 6 ADW 24 M 3220 6 ADW 24 M 3232 6 ADW 24 M 3232 6 ADW 46 M	3240 6 ADW 24 M 4006 6 ADW 46 M 4010 6 ADW 30 M 4020 6 ADW 24 M 4020 6 ADW 46 M 4040 6 ADW 24 M 5008 6 ADW 30 M 5013 6 ADW 30 M shank 8 mm 5025 8 ADW 24 M
1320 6 AR 80 O 1325 6 AR 46 O 1325 6 AR 80 O 1340 6 AR 46 O 1604 6 AR 46 O 1604 6 AR 80 O 1608 6 AR 60 O 1610 6 AR 30 O 1620 6 AR 30 O 1620 6 AR 60 O 1632 6 AR 30 O 1632 6 AR 60 O 1640 6 AR 30 O 1640 6 AR 60 O 1650 6 AR 30 O 2006 6 AR 46 O 2006 6 AR 80 O 2008 6 AR 30 O 2010 6 AR 30 O 2010 6 AR 60 O	2013 6 AR 30 O 2013 6 AR 60 O 2020 6 AR 30 O 2020 6 AR 60 O 2025 6 AR 30 O 2025 6 AR 60 O 2032 6 AR 30 O 2032 6 AR 60 O 2040 6 AR 30 O 2040 6 AR 60 O 2050 6 AR 30 O 2506 6 AR 46 O 2506 6 AR 80 O 2510 6 AR 30 O 2510 6 AR 60 O 2513 6 AR 30 O 2513 6 AR 60 O 2516 6 AR 30 O 2516 6 AR 60 O 2525 6 AR 30 O	2525 6 AR 60 O 2532 6 AR 30 O 2532 6 AR 60 O 2540 6 AR 30 O 3208 6 AR 30 O 3208 6 AR 60 O 3216 6 AR 24 O 3216 6 AR 46 O 3220 6 AR 24 O 3220 6 AR 46 O 3232 6 AR 24 O 3232 6 AR 46 O 3240 6 AR 24 O 3240 6 AR 46 O 3240 6 AR 60 O 3240 6 AR 80 O 4006 6 AR 46 O 4010 6 AR 30 O 4010 6 AR 60 O 4015 6 AR 30 O 4015 6 AR 60 O 4020 6 AR 24 O	4020 6 AR 46 O 4040 6 AR 24 O 4040 6 AR 46 O 5008 6 AR 30 O 5013 6 AR 30 O 5013 6 AR 60 O 5025 6 AR 24 O 5025 6 AR 46 O shank 8 mm 3240 8 AR 24 O 4040 8 AR 24 O 5025 8 AR 24 O 5025 8 AR 46 O
2525 6 ADW 30 L 2532 6 ADW 30 L 3216 6 ADW 24 L	3240 6 ADW 24 L 4006 6 ADW 60 L 4010 6 ADW 30 L	4020 6 ADW 24 L 5013 6 ADW 30 L 5025 6 ADW 24 L	shank 8 mm 3240 8 ADW 24 L 5040 8 ADW 24 L
3208 6 AN 30 N 3216 6 AN 24 N 3220 6 AN 24 N 3232 6 AN 24 N 3240 6 AN 24 N	4006 6 AN 46 N 4010 6 AN 30 N 4020 6 AN 24 N 4040 6 AN 24 N 5008 6 AN 30 N	5013 6 AN 30 N 5025 6 AN 24 N	3240 8 AN 24 N 5025 8 AN 24 N

Order numbers printed in blue refer to products with user preferred head dimensions.
* Peripheral speed

Mounted Points











Form		KU 	WR 	WK 
Material	Grit type/ Hardness	cat. 203 page 10	cat. 203 page 10	cat. 203 page 10
 Universal	ADW-M 20-40 m/s*	shank 6 mm 13 6 ADW 46 M 16 6 ADW 30 M 20 6 ADW 30 M		
 Edge	AR-O 15-40 m/s*	shank 3 mm 03 3 AR 100 O 05 3 AR 60 O 05 3 AR 100 O 08 3 AR 46 O 08 3 AR 80 O 10 3 AR 46 O 10 3 AR 80 O 13 3 AR 46 O 13 3 AR 80 O shank 6 mm 03 6 AR 100 O 05 6 AR 60 O 05 6 AR 100 O 08 6 AR 46 O 08 6 AR 80 O 10 6 AR 46 O 10 6 AR 80 O 13 6 AR 46 O 13 6 AR 80 O 16 6 AR 30 O 16 6 AR 60 O 20 6 AR 30 O 20 6 AR 60 O 25 6 AR 30 O 25 6 AR 60 O 32 6 AR 24 O 32 6 AR 46 O	shank 3 mm 0306 3 AR 100 O 0510 3 AR 60 O 0510 3 AR 100 O shank 6 mm 0306 6 AR 100 O 0510 6 AR 60 O 0510 6 AR 100 O 0816 6 AR 46 O 0816 6 AR 80 O 1320 6 AR 46 O 1320 6 AR 80 O 2025 6 AR 30 O 2025 6 AR 60 O	shank 6 mm 1320 6 AR 46 O 1332 6 AR 46 O 2025 6 AR 30 O 2025 6 AR 60 O 2532 6 AR 30 O 3240 6 AR 24 O
 Universal	ADW-L 25-50 m/s*		shank 6 mm 2532 6 ADW 30 L	
 Edge	AN-N 20-40 m/s*	shank 6 mm 16 6 AN 30 N 20 6 AN 30 N 25 6 AN 30 N		
 Universal				

Order numbers printed in **blue** refer to products with user preferred head dimensions.
36 * Peripheral speed

Mounted Points



Form		SP 	KE 	TO 
Material	Grit type/ Hardness	cat. 203 page 11	cat. 203 page 11	cat. 203 page 11
 Universal	ADW-M 20-40 m/s*	shank 6 mm 0816 6 ADW 46 M 1320 6 ADW 46 M 2032 6 ADW 30 M 2050 6 ADW 30 M	shank 6 mm 1025 6 ADW 46 M 1025 6 ADW 80 M 1645 6 ADW 46 M 2032 6 ADW 30 M 2040 6 ADW 30 M 2525 6 ADW 30 M 2545 6 ADW 30 M 2570 6 ADW 30 M 3232 6 ADW 46 M	
 Edge	AR-O 15-40 m/s*	shank 3 mm 0306 3 AR 100 O 0510 3 AR 60 O 0510 3 AR 100 O 0816 3 AR 46 O 0816 3 AR 80 O shank 6 mm 0306 6 AR 100 O 0510 6 AR 60 O 0510 6 AR 100 O 0816 6 AR 46 O 0816 6 AR 80 O 1320 6 AR 46 O 1320 6 AR 80 O 2032 6 AR 30 O 2032 6 AR 60 O 2050 6 AR 30 O 2540 6 AR 30 O	shank 3 mm 1010 3 AR 46 O shank 6 mm 1010 6 AR 46 O 1010 6 AR 80 O 1025 6 AR 46 O 1025 6 AR 80 O 1313 6 AR 46 O 1616 6 AR 30 O 1616 6 AR 60 O 1645 6 AR 46 O 1645 6 AR 80 O 2020 6 AR 30 O 2020 6 AR 60 O 2032 6 AR 30 O 2032 6 AR 60 O 2040 6 AR 30 O 2040 6 AR 60 O 2525 6 AR 30 O 2545 6 AR 60 O 2545 6 AR 80 O 2570 6 AR 30 O 3232 6 AR 24 O 3232 6 AR 46 O shank 8 mm 3250 8 AR 24 O	shank 6 mm 2016 6 AR 30 O 2016 6 AR 60 O 2520 6 AR 30 O 2520 6 AR 60 O 3225 6 AR 24 O 3225 6 AR 46 O 4032 6 AR 24 O
 Universal	ADW-L 25-50 m/s*		shank 6 mm 2020 6 ADW 30 L	
 Edge	AN-N 20-40 m/s*		shank 6 mm 1025 6 AN 46 N 1645 6 AN 46 N 3232 6 AN 24 N	
 Universal				

Order numbers printed in **blue** refer to products with user preferred head dimensions.
* Peripheral speed

Rotation speeds (m/s) for mounted points

	Peripheral speed m/s							
	15	20	25	30	35	40	45	50
Ø mm								
2	> 80000	> 80000	> 80000	> 80000	> 80000	> 80000	> 80000	> 80000
3	> 80000	> 80000	> 80000	> 80000	> 80000	> 80000	> 80000	> 80000
4	72000	> 80000	> 80000	> 80000	> 80000	> 80000	> 80000	> 80000
5	57000	76000	> 80000	> 80000	> 80000	> 80000	> 80000	> 80000
6	48000	64000	80000	> 80000	> 80000	> 80000	> 80000	> 80000
8	36000	48000	60000	72000	> 80000	> 80000	> 80000	> 80000
10	29000	38000	48000	57000	67000	76000	> 80000	> 80000
11	26000	35000	43000	52000	61000	69000	78000	> 80000
13	22000	29000	37000	44000	51000	59000	66000	73000
16	18000	24000	30000	36000	42000	48000	54000	60000
17	17000	22000	28000	34000	39000	45000	51000	56000
19	15000	20000	25000	30000	35000	40000	45000	50000
20	14000	19000	24000	29000	33000	38000	43000	48000
25	11000	15000	19000	23000	27000	31000	34000	38000
32	9000	12000	15000	18000	21000	24000	27000	30000
38	8000	10000	13000	15000	18000	20000	23000	25000
40	7000	10000	12000	14000	17000	19000	21000	24000
50	6000	8000	10000	11000	13000	15000	17000	19000

Please note:

To ensure an economical use of hand applied rotating tools the optimal rotation speed as well as the appropriate machine power is required. Depending on workpiece/material and the machining task, catalogue 209 and the PFERD-professional guide provide information for combining all tools and tool drives.