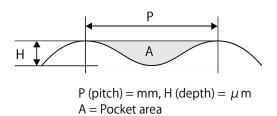


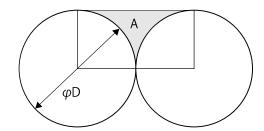
D-Bar (Standard) Groove Specifications List # 1_ # 50

Fig. 1 D-Bar groove shape (S type)



The pocket area (A) of the D-Bar is calculated using a profile meter.

Fig. 2 Wire bar groove shape



The wire bar pocket area (A) is calculated by subtracting the semicircle from the square.

O D-Bar selection of groove specification

Depending on the application conditions, Generally, the transfer amount of the coating liquid has a relationship such as (D-Bar> wire bar).

Therefore, in the case of the equivalent 1mm equivalent area, it is considered that D-Bar is applied more.

For reference only, In selecting a D-Bar by comparing with a wire bar, Please refer to the following excerpt from the groove specification table, We recommend that you use the smallest specification, like A.

**Our D-Bar groove specification list is created based on 1 mm equivalent area (mm)

					pecification list is create		
Wire bar specification				D-Bar specification			
(for comparison)				S-type		K-type	
Mode numb	diameter	The pocket area per 1mm (៣៣)		The pocket area per 1 mm (mm²)	Spec (P=mm H=µm)	The pocket area per 1mm (mm²)	Spec (P=mm H=µm)
#1	0.0254	0.0027		0.0025	P0.08H5S	-	_
#2	0.0508	0.0055	A _	0.0057	P0.1H11S	-	_
#3	0.0762	0.0082	L →	0.0080	P0.1H17S	0.0083	P0.1H15K
#4	0.1016	0.0109		0.0110	P0.15H22S	0.0116	P0.125H17K
#5	0.1270	0.0136	<u> </u>	0.0130	P0.2H24S	0.0132	P0.125H21K
#6	0.1524	0.0164		0.0162	P0.25H29S	0.0161	P0.2H24K
#48	1.2192	0.1308		-	-	0.1314	P0.7H207K
#49	1.2446	0.1335		_	_	_	_
#50	1.2700	0.1363		_	-	_	_

©We have the specifications above #51. Please contact us on request.

^{**}Our D-Bar of the pocket area per 1mm (mm²) does not guarantee the coating amount and may differ from the estimated film thickness depending on the coating conditions and the physical properties of the coating liquid, so please use it as a reference value only.



^{*}The pocket area per 1mm (mm²) of our D-Bar is the measurement data of a test piece manufactured with a material diameter of φ 10.

^{*}No surface treatment is applied to the test piece used for measurement data.

It is possible that the pocket area per 1mm (mm²) will change depending on the selection of material diameter, the type of surface treatment, and its thickness.

January, 2015

S-type	\\/ir	har specific	ation		D Par spo	cification	January , 2015	
Model number Wire The pocket area per lumm Expert The pocket area per lumm (pm)				D-Bar specification S-type K-type				
Ministration Mini	Mina The meetications							
#2 0,0508 0,0055	number	diameter (mm)	per 1mm	per 1mm	(P=mm H=μm)	per 1mm	Spec (P=mm H=μm)	
#3 0.0762 0.0082						-	-	
#44 0.1016 0.0109					P0.1H11S	_	_	
#5 0.1270 0.0136							P0.1H15K	
#6	#4		0.0109	0.0110		0.0116	P0.125H17K	
#7 0.1778 0.0191 0.0188 P0.25H37S 0.0190 P0.2H32K #8 0.2032 0.0218 0.0226 P0.25H49S 0.0209 P0.2H32K #10 0.2540 0.0273 0.0268 P0.25H5SS 0.0262 P0.3H42K #11 0.2794 0.0300 0.0300 P0.3H60S 0.0299 P0.3H4ZK #11 0.3048 0.0327 0.0355 P0.3H65S 0.0326 P0.3H47K #12 0.3048 0.0327 0.0355 P0.3H65S 0.0348 P0.4H77K #14 0.3556 0.0382 0.0398 P0.4H79S 0.0370 P0.4H55K #15 0.3810 0.0409 0.0413 P0.4H83S 0.0413 P0.4H53K #16 0.4064 0.0436 0.0438 P0.4H8S 0.0431 P0.4H63K #18 0.4572 0.0491 0.0498 P0.45H98S 0.0500 P0.4H74K #19 0.4826 0.0518 0.0524 P0.45H108S 0.0524 P0.45H108S 0.0524 P0.4H78K #21 0.5334 0.0572 0.0560 P0.5H113S 0.0543 P0.4H85K #21 0.5334 0.0572 0.0560 P0.5H113S 0.0543 P0.4H16K #22 0.5588 0.0600 0.0600 P0.6H123S 0.0605 P0.4H106K #23 0.5842 0.0627 0.0627 P0.6H124S 0.0633 P0.4H105K #24 0.6096 0.0654 0.0660 P0.6H123S 0.0605 P0.4H106K #25 0.6350 0.0681 0.0699 P0.7H144S 0.0675 P0.4H116K #275 0.6350 0.0681 0.0699 P0.7H144S 0.0675 P0.4H116K #28 0.7112 0.0763 0.0777 P0.75H156S 0.0734 P0.45H115K #28 0.7112 0.0763 0.0777 P0.75H156S 0.0734 P0.45H115K #33 0.8382 0.0697 0.0904 P0.8H183S — — — — — — — — — — — — — — — — — — —	#5	0.1270	0.0136		P0.2H24S	0.0132	P0.125H21K	
#8 0.2032 0.0218	#6	0.1524	0.0164	0.0162	P0.25H29S	0.0161	P0.2H24K	
#9 0.2286 0.0245		0.1778	0.0191	0.0188	P0.25H37S	0.0190	P0.2H32K	
#10 0.2540 0.0273	#8	0.2032	0.0218	0.0226	P0.25H49S	0.0209	P0.2H38K	
#11 0.2794 0.0300	#9	0.2286	0.0245	0.0246	P0.25H50S	0.0240	P0.25H47K	
#12 0.3048 0.0327	#10	0.2540	0.0273	0.0268	P0.25H55S	0.0262	P0.3H42K	
#13 0.3302 0.0354		0.2794	0.0300	0.0300	P0.3H60S	0.0299	P0.3H47K	
#14 0.3556 0.0382	#12	0.3048	0.0327	0.0325	P0.35H65S	0.0324	P0.3H55K	
#15 0.3810 0.0409 #16 0.4064 0.0436 #17 0.4318 0.0463 0.0438 P0.4H88S 0.0431 P0.4H63K #17 0.4318 0.0463 0.0464 P0.4H94S 0.0470 P0.4H66K #18 0.4572 0.0491 0.0489 P0.45H98S 0.0500 P0.4H74K #19 0.4826 0.0518 0.0524 P0.45H106S 0.0523 P0.4H78K #20 0.5080 0.0545 0.0560 P0.5H113S 0.0543 P0.4H55K #21 0.5334 0.0572 0.0575 P0.5H117S 0.0579 P0.4H91K #22 0.5588 0.0600 0.0600 P0.6H123S 0.0605 P0.4H100K #23 0.5842 0.0627 0.0627 P0.6H124S 0.0638 P0.4H105K #24 0.6096 0.0654 0.0650 P0.6H126S 0.0650 P0.4H106K #25 0.6350 0.0681 0.0699 P0.7H134S 0.0675 P0.4H110K #26 0.6604 0.0709 0.0700 P0.7H144S 0.0703 P0.45H115K #27 0.8858 0.0736 0.0743 P0.7H150S 0.0734 P0.45H119K #28 0.7112 0.0763 0.0777 P0.75H156S 0.0762 P0.45H119K #29 0.7366 0.0790 0.0800 P0.75H158S 0.0789 P0.45H138K #30 0.7620 0.0818 0.0825 P0.8H168S	#13	0.3302	0.0354	0.0360	P0.4H76S	0.0348	P0.4H47K	
#16 0.4064 0.0436	#14	0.3556	0.0382	0.0398	P0.4H79S	0.0370	P0.4H53K	
#17 0.4318 0.0463 #18 0.4572 0.0491 0.04826 0.0518 #19 0.4826 0.0518 #20 0.5080 0.0545 #21 0.5334 0.0572 #22 0.5588 0.0600 #23 0.5842 0.0627 #24 0.6096 0.0654 #25 0.6350 0.0661 #27 0.6858 0.0736 #28 0.7112 0.0763 #29 0.7366 0.0790 #30 0.7620 0.0818 #31 0.7874 0.0845 #33 0.8382 0.0899 #34 0.8636 0.0927 #35 0.8890 0.0954 #36 0.9144 0.0981 #37 0.9398 0.1008 #38 0.9652 0.1036 #39 0.9906 0.1063 #40 1.0160 0.1090 #41 1.0414 0.1117	#15	0.3810	0.0409	0.0413	P0.4H83S	0.0413	P0.4H58K	
#18 0.4572 0.0491 #19 0.4826 0.0518 #20 0.5080 0.0545 #21 0.5334 0.0572 #22 0.5588 0.0600 #23 0.5842 0.0627 #24 0.6096 0.0654 #25 0.6350 0.0681 #27 0.6858 0.0736 #28 0.7112 0.0763 #29 0.7366 0.0790 #29 0.7366 0.0790 #30 0.7620 0.0818 #31 0.7874 0.0845 #33 0.8382 0.0899 #34 0.8636 0.0927 #35 0.8990 0.0954 #36 0.9144 0.0981 #37 0.9398 0.1008 #38 0.9652 0.1036 #39 0.9906 0.1063 #40 1.0160 0.1090 #41 1.0414 0.1117 #42 1.0668 0.1145 #42 0.6508 0.0558 0.0509 0.0659 P0.4H74K P0.45H198S 0.0500 P0.4H74K P0.45H198S 0.0523 P0.4H78K P0.45H106S 0.0553 P0.5H113 0.0579 P0.4H91K P0.45H105K P0.5H113S 0.0605 P0.4H105K P0.6H123S 0.0605 P0.4H105K P0.6H124S 0.0638 P0.4H105K P0.6H124S 0.0638 P0.4H105K P0.6H124S 0.0638 P0.4H105K P0.7H144S 0.0650 P0.7H114K P0.7H144S 0.0703 P0.45H115K P0.7H144S 0.0703 P0.45H115K P0.7H150S 0.0773 P0.75H156S 0.0762 P0.45H125K P0.8H162S 0.0828 P0.45H130K P0.8H166S — — — — — — — — — — — — — — — — — —	#16	0.4064	0.0436	0.0438	P0.4H88S	0.0431	P0.4H63K	
#19	#17	0.4318	0.0463	0.0464	P0.4H94S	0.0470	P0.4H66K	
#20 0.5080 0.0545	#18	0.4572	0.0491	0.0489	P0.45H98S	0.0500	P0.4H74K	
#21 0.5334 0.0572	#19	0.4826	0.0518	0.0524	P0.45H106S	0.0523	P0.4H78K	
#22 0.5588 0.0600 P0.6H123S 0.0605 P0.4H100K #23 0.5842 0.0627 0.0627 P0.6H124S 0.0638 P0.4H100K #24 0.6096 0.0654 0.0650 P0.6H126S 0.0650 P0.4H105K #25 0.6350 0.0681 0.0699 P0.7H134S 0.0675 P0.4H120K #26 0.6604 0.0709 0.0700 P0.7H134S 0.0675 P0.4H120K #27 0.6858 0.0736 0.0700 P0.7H144S 0.0703 P0.45H115K #28 0.7112 0.0763 0.07743 P0.7H150S 0.0734 P0.45H119K #29 0.7366 0.0790 0.0800 P0.75H156S 0.0762 P0.45H125K #30 0.7620 0.0818 0.0825 P0.8H162S 0.0828 P0.45H130K #31 0.7874 0.0845 0.0853 P0.8H162S 0.0828 P0.45H130K #33 0.8128 0.0872 - - - -	#20	0.5080	0.0545	0.0560	P0.5H113S	0.0543	P0.4H85K	
#23	#21	0.5334	0.0572	0.0575	P0.5H117S	0.0579	P0.4H91K	
#24 0.6096 0.0654 #25 0.6350 0.0681 #26 0.6604 0.0709 #27 0.6858 0.0736 #28 0.7112 0.0763 #29 0.7366 0.0790 #30 0.7620 0.0818 #31 0.7874 0.0845 #32 0.8128 0.0872 #33 0.8382 0.0899 #34 0.8636 0.0927 #35 0.8890 0.0954 #37 0.9398 0.1008 #38 0.9652 0.1036 #39 0.9906 0.1063 #40 1.0160 0.1090 #41 1.0414 0.1117 #42 1.0668 0.1145	#22	0.5588	0.0600	0.0600	P0.6H123S	0.0605	P0.4H100K	
#25 0.6350 0.0681 #26 0.6604 0.0709 #27 0.6858 0.0736 #28 0.7112 0.0763 #29 0.7366 0.0790 #30 0.7620 0.0818 #31 0.7874 0.0845 #32 0.8128 0.0872 #33 0.8382 0.0899 #34 0.8636 0.0927 #35 0.8890 0.0954 #37 0.9398 0.1008 #38 0.9652 0.1036 #39 0.9906 0.1063 #40 1.0160 0.1090 #41 1.0414 0.1117 #42 1.0668 0.1145	#23	0.5842	0.0627	0.0627	P0.6H124S	0.0638	P0.4H105K	
#26 0.6604 0.0709 0.0700 P0.7H144S 0.0703 P0.45H115K #27 0.6858 0.0736 0.0743 P0.7H150S 0.0734 P0.45H119K #28 0.7112 0.0763 0.0777 P0.75H156S 0.0762 P0.45H125K #29 0.7366 0.0790 0.0800 P0.75H158S 0.0789 P0.45H130K #30 0.7620 0.0818 0.0825 P0.8H162S 0.0828 P0.45H133K #31 0.7874 0.0845 0.0853 P0.8H166S - - - - #32 0.8128 0.0872 - </td <td>#24</td> <td>0.6096</td> <td>0.0654</td> <td>0.0650</td> <td>P0.6H126S</td> <td>0.0650</td> <td>P0.4H116K</td>	#24	0.6096	0.0654	0.0650	P0.6H126S	0.0650	P0.4H116K	
#27 0.6858 0.0736 #28 0.7112 0.0763 #29 0.7366 0.0790 #30 0.7620 0.0818 #31 0.7874 0.0845 #32 0.8128 0.0872 #33 0.8382 0.0899 #34 0.8636 0.0927 #35 0.8890 0.0954 #37 0.9398 0.1008 #38 0.9652 0.1036 #39 0.9906 0.1063 #40 1.0160 0.1090 #41 1.0414 0.1117 #42 1.0668 0.1145	#25	0.6350	0.0681	0.0699	P0.7H134S	0.0675	P0.4H120K	
#27 0.6858 0.0736 #28 0.7112 0.0763 #29 0.7366 0.0790 #30 0.7620 0.0818 #31 0.7874 0.0845 #32 0.8128 0.0872 #33 0.8382 0.0899 #34 0.8636 0.0927 #35 0.8890 0.0954 #37 0.9398 0.1008 #38 0.9652 0.1036 #39 0.9906 0.1063 #40 1.0160 0.1090 #41 1.0414 0.1117 #42 1.0668 0.1145	#26	0.6604	0.0709	0.0700	P0.7H144S	0.0703	P0.45H115K	
#28 0.7112 0.0763 #29 0.7366 0.0790 #30 0.7620 0.0818 #31 0.7874 0.0845 #32 0.8128 0.0872 #33 0.8382 0.0899 #34 0.8636 0.0927 #35 0.8890 0.0954 #37 0.9398 0.1008 #38 0.9652 0.1036 #39 0.9906 0.1063 #40 1.0160 0.1090 #41 1.0414 0.1117 #42 1.0668 0.1145	#27	0.6858	0.0736	0.0743	P0.7H150S	0.0734	P0.45H119K	
#29 0.7366 0.0790 0.0800 P0.75H158S 0.0789 P0.45H130K #30 0.7620 0.0818 0.0825 P0.8H162S 0.0828 P0.45H133K #31 0.7874 0.0845 0.0853 P0.8H166S — — #32 0.8128 0.0872 — — — — — #33 0.8382 0.0899 0.0904 P0.8H183S — — — #34 0.8636 0.0927 — — 0.0911 P0.45H136K #35 0.8890 0.0954 — — — — — #37 0.9398 0.1008 0.1003 P0.9H201S 0.1000 P0.6H159K #38 0.9652 0.1036 — — — 0.1033 P0.6H163K #40 1.0160 0.1090 — — — — — #41 1.0414 0.1117 — — — — — #42 1.0668 0.1145 — — — — <t< td=""><td>#28</td><td>0.7112</td><td>0.0763</td><td></td><td></td><td>0.0762</td><td>P0.45H125K</td></t<>	#28	0.7112	0.0763			0.0762	P0.45H125K	
#30 0.7620 0.0818 #31 0.7874 0.0845 #32 0.8128 0.0872 #33 0.8382 0.0899 #34 0.8636 0.0927 #35 0.8890 0.0954 #37 0.9398 0.1008 #38 0.9652 0.1036 #39 0.9906 0.1063 #40 1.0160 0.1090 #41 1.0414 0.1117 #42 1.0668 0.1145	#29	0.7366	0.0790			0.0789	P0.45H130K	
#31 0.7874 0.0845 #32 0.8128 0.0872 #33 0.8382 0.0899 #34 0.8636 0.0927 #35 0.8890 0.0954 #37 0.9398 0.1008 #38 0.9652 0.1036 #39 0.9906 0.1063 #40 1.0160 0.1090 #41 1.0414 0.1117 #42 1.0668 0.1145	#30	0.7620	0.0818			0.0828	P0.45H133K	
#32 0.8128 0.0872 #33 0.8382 0.0899 #34 0.8636 0.0927 #35 0.8890 0.0954 #37 0.9398 0.1008 #38 0.9652 0.1036 #39 0.9906 0.1063 #40 1.0160 0.1090 #41 1.0414 0.1117 #42 1.0668 0.1145 - - - 0.0904 P0.8H183S - - - 0.0911 P0.45H136K - - - - - - - - - - - - 0.1003 P0.9H201S 0.1000 P0.6H159K - - 0.1033 P0.6H163K - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -<	#31	0.7874	0.0845		P0.8H166S	_	_	
#33 0.8382 0.0899 #34 0.8636 0.0927 #35 0.8890 0.0954 #36 0.9144 0.0981 #37 0.9398 0.1008 #38 0.9652 0.1036 #39 0.9906 0.1063 #40 1.0160 0.1090 #41 1.0414 0.1117 #42 1.0668 0.1145 0.0904 P0.8H183S - - - - - - - - - - - - - - - - - - - - - - - - 0.1000 P0.6H159K - - 0.1033 P0.6H163K - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -	#32	0.8128	0.0872	_	_	_	_	
#34 0.8636 0.0927 #35 0.8890 0.0954 #36 0.9144 0.0981 #37 0.9398 0.1008 #38 0.9652 0.1036 #39 0.9906 0.1063 #40 1.0160 0.1090 #41 1.0414 0.1117 #42 1.0668 0.1145			0.0899	0.0904	P0.8H183S	_	_	
#36 0.9144 0.0981 #37 0.9398 0.1008 #38 0.9652 0.1036 #39 0.9906 0.1063 #40 1.0160 0.1090 #41 1.0414 0.1117 #42 1.0668 0.1145 - - - - <td< td=""><td>#34</td><td>0.8636</td><td>0.0927</td><td>_</td><td>_</td><td>0.0911</td><td>P0.45H136K</td></td<>	#34	0.8636	0.0927	_	_	0.0911	P0.45H136K	
#37 0.9398 0.1008 #38 0.9652 0.1036 #39 0.9906 0.1063 #40 1.0160 0.1090 #41 1.0414 0.1117 #42 1.0668 0.1145 0.1003 P0.9H201S 0.1000 P0.6H159K 0.1003 P0.9H201S 0.1003 P0.6H159K 0.1065 P1.0H211S 0.1075 P0.6H168K 0.1068 - - - - 0.1069 - - - - 0.1069 - - - - 0.1068 0.1145 - - -	#35	0.8890	0.0954	_	_	-	_	
#37 0.9398 0.1008 #38 0.9652 0.1036 #39 0.9906 0.1063 #40 1.0160 0.1090 #41 1.0414 0.1117 #42 1.0668 0.1145 0.1003 P0.9H201S 0.1000 P0.6H159K 0.1003 P0.9H201S 0.1003 P0.6H159K 0.1065 P1.0H211S 0.1075 P0.6H168K 0.1068 - - - - 0.1069 - - - - 0.1069 - - - - 0.1068 0.1145 - - -				_	_	_	_	
#39 0.9906 0.1063 0.1065 P1.0H211S 0.1075 P0.6H168K #40 1.0160 0.1090				0.1003	P0.9H201S	0.1000	P0.6H159K	
#40 1.0160 0.1090	#38	0.9652	0.1036	_	_	0.1033	P0.6H163K	
#40 1.0160 0.1090				0.1065	P1.0H211S		P0.6H168K	
#41 1.0414 0.1117				_	_	_	_	
#42 1.0668 0.1145				_	_	_	_	
	#42	1.0668		_	_	_	_	
				0.1161	P1.1H236S	-	-	
#44 1.1176 0.1199 0.1204 P0.6H197K				_	_	0.1204	P0.6H197K	
#45 1.1430 0.1226				_	_	_	-	
#46 1.1684 0.1254 0.1250 P1.2H257S 0.1243 P0.7H193K				0.1250	P1.2H257S	0.1243	P0.7H193K	
#47 1.1938 0.1281 0.1288 P1.25H260S							_	
#48 1.2192 0.1308 0.1314 P0.7H207K					_	0.1314	P0.7H207K	
#49 1.2446 0.1335				_	_		-	
#50 1.2700 0.1363				_	_	_	_	

^{*}A difference in film thickness may occur depending on the coating conditions and the physical properties of the coating liquid.

^{*}Some specifications are not listed. Please contact us if you do not have the required specifications.

