

API RP 13C (ISO 13501)

Master Tag Reference Chart



API RP 13C Designation		NEW Part # According to API RP 13C		OLD Part # According to API RP 13E	New Conductance # According to API RP 13C		
API Screen Number	API Micron Range	Screen Panel Designation	D100 Cut Point (Microns)	Screen Panel Designation	PWP™	PMD™	PMD+™
API 200	> 69,0 to 82,5	DX-A200	78	DX 250	0.79	1.30	1.56
API 170	> 82,5 to 98,0	DX-A170	97	-	0.98	1.48	2.01
API 140	> 98,0 to 116,5	DX-A140	115	DX 175	1.10	1.67	2.24
API 120	> 116,5 to 137,5	DX-A120	120	-	1.39	1.78	2.14
API 100	> 137,5 to 165,0	DX-A100	154	DX 140	1.36	2.30	2.85
API 80	> 165,0 to 196,0	DX-A80	184	DX 110	1.53	2.45	3.08
API 70	> 196,0 to 231,0	DX-A70	221	DX 84	2.21	3.56	4.71
API 60	> 231,0 to 275,0	DX-A60	257	DX 70	2.71	4.13	5.87
API 50	> 275,0 to 327,5	DX-A50	314	-	3.25	5.42	6.62
API 45	> 327,5 to 390,0	DX-A45	360	DX 50	3.80	6.72	7.38
API 40	> 390,0 to 462,5	DX-A40	453	DX 44	5.16	8.03	10.54
API 35	> 462,5 to 550,0	DX-A35	503	DX 38	5.91	9.76	11.63
<hr/>							
API 325	> 41,5 to 49,0	HP-A325	43	HP 310	0.66	0.86	1.23
API 270	> 49,0 to 58,0	HP-A270	50	-	0.67	0.90	1.27
API 230	> 58,0 to 69,0	HP-A230	65	-	0.68	0.93	1.30
API 200	> 69,0 to 82,5	HP-A200	81	HP 230	0.72	1.11	1.54
API 170	> 82,5 to 98,0	HP-A170	83	HP 200	0.93	1.46	2.05
API 140	> 98,0 to 116,5	HP-A140	103	HP 180	1.06	1.85	2.50
API 120	> 116,5 to 137,5	HP-A120	120	HP 150	1.25	2.33	2.94
API 100	> 137,5 to 165,0	HP-A100	151	HP 125	1.46	2.57	3.63
API 80	> 165,0 to 196,0	HP-A80	184	HP 100	1.94	3.20	4.35
API 70	> 196,0 to 231,0	HP-A70	203	HP 80	3.46	4.35	5.33
API 60	> 231,0 to 275,0	HP-A60	255	HP 70	4.44	4.98	5.69
API 50	> 275,0 to 327,5	HP-A50	276	HP 60	5.01	5.26	6.80
API 45	> 327,5 to 390,0	HP-A45	336	HP 50	6.71	7.38	7.71
API 40	> 390,0 to 462,5	HP-A40	392	HP 45	6.61	7.67	9.66
API 35	> 462,5 to 550,0	HP-A35	499	HP 40	8.59	9.36	11.57
<hr/>							
API 325	> 41,5 to 49,0	DF-A325	44	-	0.39	0.51	0.71
API 270	> 49,0 to 58,0	DF-A270	53	-	0.47	0.62	0.89
API 230	> 58,0 to 69,0	DF-A230	67	DF 280	0.64	0.85	1.22
API 200	> 69,0 to 82,5	DF-A200	76	DF 230	0.74	1.07	1.40
API 140	> 98,0 to 116,5	DF-A140	104	DF 200	0.78	0.94	1.20
API 120	> 116,5 to 137,5	DF-A120	121	DF 165	0.88	1.17	1.54
API 100	> 137,5 to 165,0	DF-A100	143	DF 145	1.21	1.48	2.08
API 20	> 780,0 to 925,0	DF-A20	821	DF 24	14.05	15.46	20.61

API Designation (micron range)	Existing Screen Name	API D100 Cut Point (micron)	API Conductance (kd/mm)		
			PWP	PMD	PMD+
API 200 (>69.0 to 82.5)	Brandt® VNM RHD 330	70	1.01		
	Global DX 250	70	0.65		
	Mi Swaco® XR 325C	71	0.81		
	Mi Swaco HC 270C	72	1.10		
	Mi Swaco XL 270C	74	0.91		
	Derrick® DF-A200	76	0.74	1.07	1.40
	Brandt BHX XF 250	78	0.72		
	Derrick DX-A200	78	0.79	1.30	1.56
	Brandt BHX RHD 330	80	0.67		
	Brandt V100/300 XF250	80	0.71		
	Derrick HP-A200	81	0.72	1.11	1.54
	Brandt V100/300 RHD 330	82	0.64		
Brandt VNM XF 250	82	1.23			
API 170 (>82.5 to 98.0)	Brandt BHX RHD 300	83	0.93		
	Derrick HP-A170	83	0.93	1.46	2.05
	Global GS200	84	0.61		
	Mi Swaco XR 270C	86	0.84		
	Brandt VNM XF 230	91	1.14		
	Brandt VNM RHD 300	92	1.33		
	Brandt V100/300 XF 230	93	0.75		
	Brandt V100/300 RHD 280	94	1.1		
	Brandt BHX XF 230	95	0.87		
	Derrick DX-A170	97	0.98	1.48	2.01
Global GS250	98	1.09			
API 140 (>98.0 to 116.5)	Brandt BHX XF 210	102	0.94		
	Brandt BHX RHD 280	102	0.99		
	Derrick HP-A140	103	1.06	1.85	2.50
	Derrick DF-A140	104	0.78	0.94	1.20
	Brandt VNM XF 210	107	1.45		
	Mi Swaco XR 230C	110	0.99		
	Brandt V100/300 XF 210	110	1.0		
	Mi Swaco XL 165C	111	1.49		
	Brandt V100/300 XF 175	114	1.15		
	Derrick DX-A140	115	1.10	1.67	2.24
	Brandt V100/300 RHD 225	115	1.28		
	Brandt VNM RHD 280	115	1.59		
	Global GS210	116	1.08		
API 120 (>116.5 to 137.5)	Brandt BHX XF 175	117	1.35		
	Brandt VNM RHD 255	117	1.70		
	Mi Swaco XR 200C	118	1.40		
	Mi Swaco HC 230C	120	1.61		
	Derrick DX-A120	120	1.39	1.78	2.14
	Derrick HP-A120	120	1.25	2.33	2.94
	Derrick DF-A120	121	0.88	1.17	1.54
	Brandt VNM XF 175	126	2.05		
	Brandt BHX RHD 255	129	1.17		
	Brandt V100/300 XF 140	137	1.35		
	Brandt V100/300 RHD 215	137	1.58		
	API 100 (>137.5 to 165.0)	Brandt V100/300 XF 120	139	1.32	
Mi Swaco XL 120C		140	2.17		
Brandt BHX XF 140		141	1.40		
Mi Swaco HC 200C		142	1.96		
Brandt BHX RHD 215		143	1.56		
Derrick DF-A100		143	1.21	1.48	2.08
Mi Swaco XR 165C		147	1.65		
Derrick HP-A100		151	1.46	2.57	3.63
Brandt VNM RHD 215		152	2.03		
Brandt VNM XF 140		153	1.97		
Derrick DX-A100		154	1.36	2.30	2.85
Global GS175		156	1.43		
Brandt V100/300 RHD 180		162	2.24		
Brandt BHX RHD 180		164	1.72		
Brandt VNM RHD 180		164	2.46		
API 80 (>165.0 to 196.0)	Mi Swaco XR 120C	174	2.00		
	Mi Swaco XL 105C	174	2.00		
	Brandt BHX XF 110	176	1.88		
	Derrick DX-A80	184	1.53	2.45	3.08
	Derrick HP-A80	184	1.94	3.20	4.35
	Brandt VNM XF 110	186	2.58		
	Brandt V100/300 XF 110	188	1.75		
	Brandt VNM RHD 145	192	2.85		
	Brandt V100/300 RHD 145	193	2.62		
	Brandt BHX RHD 145	193	2.18		

API RP 13C (ISO 13501) Cut Point Numbers for Various Shale Shaker Replacement Screens

Table 5 (found on page 40 and 41 of API RP 13C)

D100 Separation and API Screen Number

D100 Separation (Microns)	API Screen Number
>780,0 to 925,0	API 20
>655,0 to 780,0	API 25
>550,0 to 655,0	API 30
>462,5 to 550,0	API 35
>390,0 to 462,5	API 40
>327,5 to 390,0	API 45
>275,0 to 327,5	API 50
>231,0 to 275,0	API 60
>196,0 to 231,0	API 70
>165,0 to 196,0	API 80
>137,5 to 165,0	API 100
>116,5 to 137,5	API 120
>98,0 to 116,5	API 140
>82,5 to 98,0	API 170
>69,0 to 82,5	API 200
>58,0 to 69,0	API 230
>49,0 to 58,0	API 270
>41,5 to 49,0	API 325
>35,0 to 41,5	API 400
>28,5 to 35,0	API 450
>22,5 to 28,5	API 500
>18,5 to 22,5	API 635

All information in this document was derived from independent lab testing or from information in the public domain on or before March 1, 2008.



Leading the Way

15630 Export Plaza Drive · Houston, Texas 77032
Toll Free: (866) DERRICK
Phone: (281) 590-3003 • Fax: (281) 442-6948
Email: derrick@derrickequipment.com
www.DerrickEquipment.com

• Derrick, DX, DF and HP are trademarked and/or registered trademarks of Derrick Corporation
• Brandt is a registered trademark and RHD, VNM, BHX are trademarks of Varco, L.P., A Division of National Oilwell Varco
• Swaco is a registered trademark of M-H L.L.C., A Division of M-H L.L.C.
• XR, XL and XF are registered trademarks of Southwest Wire Cloth
• DX and GS may trademarked to Global Wire Cloth L.L.C.