



A-Series, AE Rod Scraper (SS303) - Style-1, 2 & 3

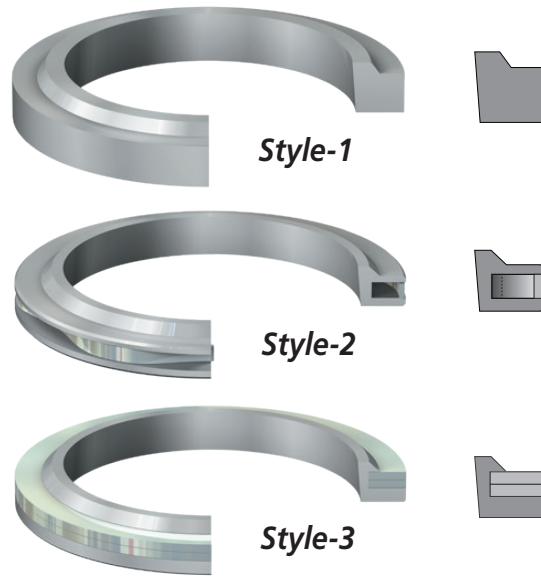
Medium Duty

HYDROWYPE

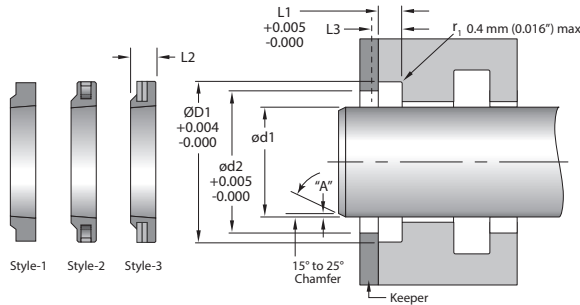
A-SERIES, AE STYLE-1, 2 & 3 303 STAINLESS STEEL SCRAPERS

AE Style-1 scrapers are machined from 303 Stainless Steel. These scrapers are available for purchase, for repair maintenance. But wherever possible, it is highly recommended that this style be substituted with a Style-2 or Style-3, which through the inclusion of a metal spring that serves as a tensioning member, provide better performance in the areas of light-tightness, rod pressure and breakout friction.

AE Style-2 & 3 Rod Scraper dimensions are according to the MS28776 specification. Style-2 provides a scraping body with a narrow groove accommodating a 302 stainless steel serpentine form spring to generate scraping load. Style-3 provides a scraping body with a wide groove in the outside diameter containing two 1095 high carbon steel (plated) c-springs (resembling split washers) to generate scraping load. Both of these spring types are installed in a groove on OD of the scraper body (springs do not contact the rod).



Available materials based on style.
Contact MFP Seals for detailed information.



Scrapers are typically held in place by a Keeper/Follower plate or Retaining Ring.

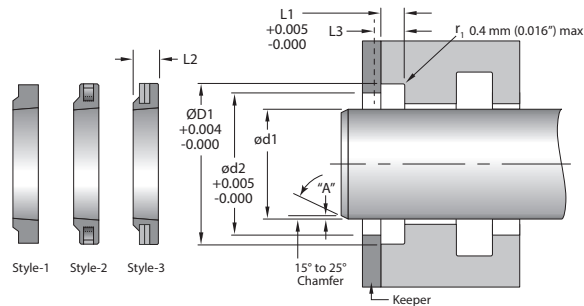
HYDROWYPE PART NUMBER

AE-01-2B
SEAL TYPE DASH# STYLE FINISH
FINISH DESIGNATION
B = UNFINISHED (Standard) T = TiCN

**Based on tests conducted with very specific "dry rod" conditions, intended to represent a worst-case scenario.

Max. Velocity: 0.5 m/s (1.64 ft./s)**

PART NUMBER	STYLE	ROD APPLICATION				
		ød1	ØD1	ød2	L1	L3
.105" - GROOVE						
AE-01	3	NOMINAL	+0.004/-0.000	+0.005/-0.000	+0.005/-0.000	+0.005/-0.000
AE-02	3	0.500	0.760	0.647	0.105	0.136
AE-03	3	0.563	0.823	0.710	0.105	0.136
AE-04	3	0.625	0.885	0.772	0.105	0.136
AE-05	3	0.688	0.948	0.834	0.105	0.136
AE-06	3	0.750	1.010	0.897	0.105	0.136
AE-07	3	0.813	1.052	0.949	0.105	0.136
AE-08	3	0.875	1.114	1.012	0.105	0.136
AE-09	3	0.938	1.177	1.074	0.105	0.136
AE-10	3	1.000	1.239	1.136	0.105	0.136
AE-11	3	1.063	1.302	1.199	0.105	0.136
AE-12	3	1.125	1.364	1.262	0.105	0.136
AE-13	3	1.188	1.427	1.324	0.105	0.136
AE-13	3	1.250	1.489	1.386	0.105	0.136



PART NUMBER	STYLE	ROD APPLICATION				
		ød1	ØD1	ød2	L1	L3
.105" - GROOVE		NOMINAL	+0.004/-0.000	+0.005/-0.000	+0.005/-0.000	+0.005/-0.000
AE-14	3	1.313	1.614	1.480	0.105	0.136
AE-15	3	1.375	1.677	1.542	0.105	0.135
AE-16	2	1.438	1.739	1.605	0.105	0.135
AE-17	2	1.500	1.802	1.668	0.105	0.135
AE-18	2	1.625	1.927	1.793	0.105	0.135
AE-19	2	1.750	2.052	1.918	0.105	0.135
AE-20	2	1.875	2.177	2.043	0.105	0.135
AE-21	2	2.000	2.302	2.178	0.105	0.135
AE-22	2	2.125	2.427	2.303	0.105	0.135
AE-23	2	2.250	2.552	2.428	0.105	0.135
AE-24	2	2.375	2.677	2.553	0.105	0.135
AE-25	2	2.500	2.802	2.678	0.105	0.135
.119" - GROOVE		NOMINAL	+0.004/-0.000	+0.005/-0.000	+0.005/-0.000	+0.005/-0.000
AE-26	2	2.625	2.989	2.834	0.119	0.150
AE-27	2	2.750	3.114	2.959	0.119	0.150
AE-28	2	2.875	3.239	3.084	0.119	0.150
AE-29	2	3.000	3.364	3.209	0.119	0.150
AE-30	2	3.125	3.489	3.334	0.119	0.150
AE-31	2	3.250	3.614	3.459	0.119	0.150
AE-32	2	3.375	3.739	3.584	0.119	0.150
AE-33	2	3.500	3.864	3.709	0.119	0.150
AE-34	2	3.625	3.989	3.834	0.119	0.150
AE-35	2	3.750	4.114	3.959	0.119	0.150
AE-36	2	3.875	4.239	4.084	0.119	0.150
.135" - GROOVE		NOMINAL	+0.004/-0.000	+0.005/-0.000	+0.005/-0.000	+0.005/-0.000
AE-37	2	4.000	4.427	4.240	0.135	0.166
AE-38	2	4.125	4.552	4.365	0.135	0.166
AE-39	2	4.250	4.677	4.490	0.135	0.166
AE-40	2	4.375	4.802	4.615	0.135	0.166
AE-41	2	4.500	4.927	4.740	0.135	0.166
AE-42	2	4.625	5.052	4.865	0.135	0.166
AE-43	2	4.750	5.177	4.990	0.135	0.166
AE-44	2	4.875	5.302	5.115	0.135	0.166
AE-45	2	5.000	5.427	5.240	0.135	0.166
AE-46	2	5.125	5.552	5.365	0.135	0.166
AE-47	2	5.250	5.677	5.490	0.135	0.166

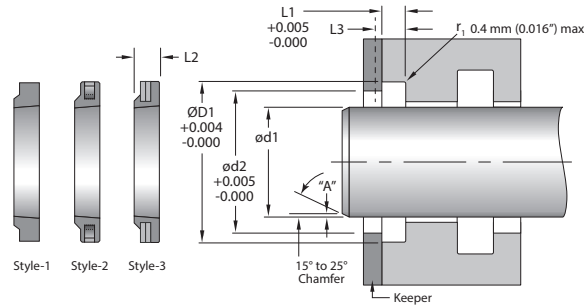


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Medium Duty

MFPSEALS
www.mfpseals.com

AE (SS303)
STYLE-1, 2 & 3



PART NUMBER	STYLE	ROD APPLICATION				
		ød1	ØD1	ød2	L1	L3
.135" - GROOVE		NOMINAL	+0.004/-0.000	+0.005/-0.000	+0.005/-0.000	+0.005/-0.000
AE-48	2	5.375	5.802	5.615	0.135	0.166
AE-49	2	5.500	5.927	5.740	0.135	0.166
.151" - GROOVE		NOMINAL	+0.004/-0.000	+0.005/-0.000	+0.005/-0.000	+0.005/-0.000
AE-50	2	5.625	6.114	5.896	0.151	0.182
AE-51	2	5.750	6.239	6.022	0.151	0.182
AE-52	2	5.875	6.364	6.146	0.151	0.182
AE-53	2	6.000	6.489	6.272	0.151	0.182
AE-54	2	6.250	6.739	6.522	0.151	0.182
AE-55	2	6.500	6.989	6.772	0.151	0.182
AE-56	2	6.750	7.239	7.022	0.151	0.182
AE-57	2	7.000	7.489	7.272	0.151	0.182
AE-58	2	7.250	7.739	7.522	0.151	0.182
AE-59	2	7.500	7.989	7.772	0.151	0.182
AE-60	2	7.750	8.239	8.022	0.151	0.182
AE-61	2	8.000	8.489	8.272	0.151	0.182

ROD SCRAPERS