



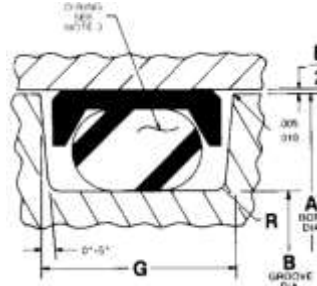
# Pressure Seals, Inc.

Phone: (877)-PSI-SEAL Toll Free  
 Thousands of Seals, O-Rings, and U-Cups  
 World-Class Service since 1976!



**Notes:**

1. This part is supplied in molybdenum disulphide filled TFE. For other material callouts, refer to Technical Data section.
2. Dash numbers correspond to AS568.
3. O-ring size is same as seal dash size.
4. Bore diameters are in accordance with standard industrial practice.
5. This part also supplied with Minigrooves®; add "M" after basic part no. for Minigroove configuration.
6. Sidewall notches optional.



CODE IDENT. 07128

## TF 731

**PISTON SEAL INSTALLATION**  
**STANDARD BORE**  
**SPECIAL GROOVE**  
**NO BACK-UP GLAND**  
**INDUSTRIAL SERVICE**

**Ordering Instructions:**

Example: TF 731 M-214N

Basic P/N

For Minigroove only

Size Dash No.

For optional notches only

Dash No.	G Groove Width	R Groove Radius	E Diametral Clearance Max.
	<b>006-044</b>	0.094	.005-.015
<b>110-163</b>	0.141	.005-.015	0.005
<b>210-281</b>	0.188	.010-.020	0.006
<b>325-349</b>	0.281	.020-.030	0.007
<b>425-460</b>	0.375	.020-.030	0.008

Dash No.	A Dia.	B Dia.	Dash No.	A Dia.	B Dia.	Dash No.	A Dia.	B Dia.	Dash No.	A Dia.	B Dia.	Dash No.	A Dia.	B Dia.
	+0.01	+0.00		+0.02	+0.00		+0.02	+0.00		+0.02	+0.00		+0.02	+0.00
	-0.00	-0.01		-0.00	-0.02		-0.00	-0.02		-0.00	-0.02		-0.00	-0.02
<b>006</b>	0.250	0.119	<b>115</b>	0.875	0.679	<b>162</b>	5.937	5.741	<b>255</b>	5.875	5.612	<b>345</b>	4.375	3.980
<b>007</b>	0.281	0.150	<b>116</b>	0.937	0.741	<b>163</b>	6.187	5.991	<b>256</b>	6.000	5.737	<b>346</b>	4.500	4.105
<b>008</b>	0.312	0.181	<b>117</b>	1.000	0.804	<b>210</b>	1.000	0.737	<b>257</b>	6.125	5.862	<b>347</b>	4.625	4.230
<b>009</b>	0.343	0.213	<b>118</b>	1.062	0.866	<b>211</b>	1.062	0.799	<b>258</b>	6.250	5.987	<b>348</b>	4.750	4.355
<b>010</b>	0.375	0.244	<b>119</b>	1.125	0.929	<b>212</b>	1.125	0.862	<b>259</b>	6.500	6.237	<b>349</b>	4.875	4.480
<b>011</b>	0.437	0.306	<b>120</b>	1.187	0.991	<b>213</b>	1.187	0.924	<b>260</b>	6.750	6.487		+0.03	+0.00
<b>012</b>	0.500	0.369	<b>121</b>	1.250	1.054	<b>214</b>	1.250	0.987	<b>261</b>	7.000	6.737		-0.00	-0.03
	+0.02	+0.00	<b>122</b>	1.312	1.116	<b>215</b>	1.312	1.049	<b>262</b>	7.250	6.987	<b>425</b>	5.000	4.485
	-0.00	-0.02	<b>123</b>	1.375	1.179	<b>216</b>	1.375	1.112	<b>263</b>	7.500	7.237	<b>426</b>	5.125	4.610
<b>013</b>	0.562	0.431	<b>124</b>	1.437	1.241	<b>217</b>	1.437	1.174	<b>264</b>	7.750	7.487	<b>427</b>	5.250	4.735
<b>014</b>	0.625	0.494	<b>125</b>	1.500	1.304	<b>218</b>	1.500	1.237	<b>265</b>	8.000	7.737	<b>428</b>	5.375	4.860
<b>015</b>	0.687	0.556	<b>126</b>	1.562	1.366	<b>219</b>	1.562	1.299	<b>266</b>	8.250	7.987	<b>429</b>	5.500	4.985
<b>016</b>	0.750	0.619	<b>127</b>	1.625	1.429	<b>220</b>	1.625	1.362	<b>267</b>	8.500	8.237	<b>430</b>	5.625	5.110
<b>017</b>	0.812	0.681	<b>128</b>	1.687	1.491	<b>221</b>	1.687	1.424	<b>268</b>	8.750	8.487	<b>431</b>	5.750	5.235
<b>018</b>	0.875	0.744	<b>129</b>	1.750	1.554	<b>222</b>	1.750	1.487	<b>269</b>	9.000	8.737	<b>432</b>	5.875	5.360
<b>019</b>	0.937	0.806	<b>130</b>	1.812	1.616	<b>223</b>	1.875	1.612	<b>270</b>	9.250	8.987	<b>433</b>	6.000	5.485
<b>020</b>	1.000	0.869	<b>131</b>	1.875	1.679	<b>224</b>	2.000	1.737	<b>271</b>	9.500	9.237	<b>434</b>	6.125	5.610
<b>021</b>	1.062	0.931	<b>132</b>	1.937	1.741	<b>225</b>	2.125	1.862	<b>272</b>	9.750	9.487	<b>435</b>	6.250	5.735
<b>022</b>	1.125	0.994	<b>133</b>	2.000	1.804	<b>226</b>	2.250	1.987	<b>273</b>	10.000	9.737	<b>436</b>	6.375	5.860
<b>023</b>	1.187	1.056	<b>134</b>	2.062	1.866	<b>227</b>	2.375	2.112	<b>274</b>	10.250	9.987	<b>437</b>	6.500	5.985
<b>024</b>	1.250	1.119	<b>135</b>	2.125	1.929	<b>228</b>	2.500	2.237	<b>275</b>	10.750	10.487	<b>438</b>	6.750	6.235
<b>025</b>	1.312	1.181	<b>136</b>	2.187	1.991	<b>229</b>	2.625	2.362	<b>276</b>	11.250	10.987	<b>439</b>	7.000	6.485
<b>026</b>	1.375	1.244	<b>137</b>	2.250	2.054	<b>230</b>	2.750	2.487	<b>277</b>	11.750	11.487	<b>440</b>	7.250	6.735
<b>027</b>	1.437	1.306	<b>138</b>	2.312	2.116	<b>231</b>	2.875	2.612	<b>278</b>	12.250	11.987	<b>441</b>	7.500	6.985
<b>028</b>	1.500	1.369	<b>139</b>	2.375	2.179	<b>232</b>	3.000	2.737	<b>279</b>	13.250	12.987	<b>442</b>	7.750	7.235
<b>029</b>	1.625	1.494	<b>140</b>	2.437	2.241	<b>233</b>	3.125	2.862	<b>280</b>	14.250	13.987	<b>443</b>	8.000	7.485
<b>030</b>	1.750	1.619	<b>141</b>	2.500	2.304	<b>234</b>	3.250	2.987	<b>281</b>	15.250	14.987	<b>444</b>	8.250	7.735
<b>031</b>	1.875	1.744	<b>142</b>	2.562	2.366	<b>235</b>	3.375	3.112	<b>325</b>	1.875	1.480	<b>445</b>	8.500	7.985
<b>032</b>	2.000	1.869	<b>143</b>	2.625	2.429	<b>236</b>	3.500	3.237	<b>326</b>	2.000	1.605	<b>446</b>	9.000	8.485
<b>033</b>	2.125	1.994	<b>144</b>	2.687	2.491	<b>237</b>	3.625	3.362	<b>327</b>	2.125	1.730	<b>447</b>	9.500	8.985
<b>034</b>	2.250	2.119	<b>145</b>	2.750	2.554	<b>238</b>	3.750	3.487	<b>328</b>	2.250	1.855	<b>448</b>	10.000	9.485
<b>035</b>	2.375	2.244	<b>146</b>	2.812	2.616	<b>239</b>	3.875	3.612	<b>329</b>	2.375	1.980	<b>449</b>	10.500	9.985
<b>036</b>	2.500	2.369	<b>147</b>	2.875	2.679	<b>240</b>	4.000	3.737	<b>330</b>	2.500	2.105	<b>450</b>	11.000	10.485
<b>037</b>	2.625	2.494	<b>148</b>	2.937	2.741	<b>241</b>	4.125	3.862	<b>331</b>	2.625	2.230	<b>451</b>	11.500	10.985
<b>038</b>	2.750	2.619	<b>149</b>	3.000	2.804	<b>242</b>	4.250	3.987	<b>332</b>	2.750	2.355	<b>452</b>	12.000	11.485
<b>039</b>	2.875	2.744	<b>150</b>	3.062	2.866	<b>243</b>	4.375	4.112	<b>333</b>	2.875	2.480	<b>453</b>	12.500	11.985
<b>040</b>	3.000	2.869	<b>151</b>	3.187	2.991	<b>244</b>	4.500	4.237	<b>334</b>	3.000	2.605	<b>454</b>	13.000	12.485
<b>041</b>	3.125	2.994	<b>152</b>	3.437	3.241	<b>245</b>	4.625	4.362	<b>335</b>	3.125	2.730	<b>455</b>	13.500	12.985
<b>042</b>	3.375	3.244	<b>153</b>	3.687	3.491	<b>246</b>	4.750	4.487	<b>336</b>	3.250	2.855	<b>456</b>	14.000	13.485
<b>043</b>	3.625	3.494	<b>154</b>	3.937	3.741	<b>247</b>	4.875	4.612	<b>337</b>	3.375	2.980	<b>457</b>	14.500	13.985
<b>044</b>	3.875	3.744	<b>155</b>	4.187	3.991	<b>248</b>	5.000	4.737	<b>338</b>	3.500	3.105	<b>458</b>	15.000	14.485
<b>045</b>	4.125	3.994	<b>156</b>	4.437	4.241	<b>249</b>	5.125	4.862	<b>339</b>	3.625	3.230	<b>459</b>	15.500	14.985
<b>110</b>	0.562	0.366	<b>157</b>	4.687	4.491	<b>250</b>	5.250	4.987	<b>340</b>	3.750	3.355	<b>460</b>	16.000	15.485
<b>111</b>	0.625	0.429	<b>158</b>	4.937	4.741	<b>251</b>	5.375	5.112	<b>341</b>	3.875	3.480			
<b>112</b>	0.687	0.491	<b>159</b>	5.187	4.991	<b>252</b>	5.500	5.237	<b>342</b>	4.000	3.605			
<b>113</b>	0.750	0.554	<b>160</b>	5.437	5.241	<b>253</b>	5.625	5.362	<b>343</b>	4.125	3.730			
<b>114</b>	0.812	0.616	<b>161</b>	5.687	5.491	<b>254</b>	5.750	5.487	<b>344</b>	4.250	3.855			

Pressure Seals Inc. 81 Commerce Way, South Windsor, CT 06074

Phone: (877)-PSI-SEAL Toll Free, In CT: (860) 282-9100, Fax: (860) 282-9001