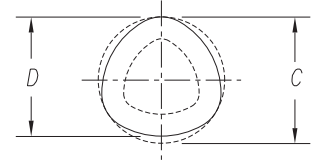
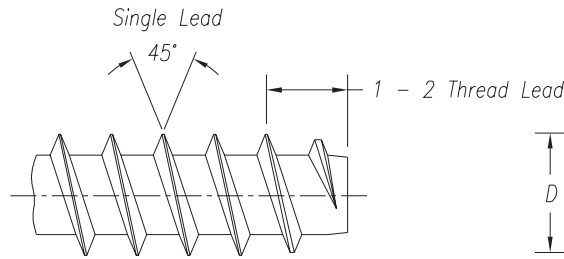


PLASTITE® 45 Screws

Recommended pilot hole sizes are subject to variation dependent on depth of engagement, ease of driving required and material being tapped. Users of PLASTITE® 45 screws should perform their own test to determine the most efficient pilot hole size for their own particular use, or contact the application engineering department of HOLBROOK MFG.



MATERIAL:

SAE Low Carbon Steel, Suitably Hardened and Tempered

LENGTH TOLERANCES:

Inch
 Sizes #2-#12 thru 3/4" ± .030"
 Sizes #2-#12 Over 3/4" ± .050"
 Over 1/4" Dia. All Lengths ± .050"

Metric
 Sizes M2-M5 Up to 20mm ± 0.8 mm
 Sizes M2-M5 Over 20mm ± 1.3 mm
 M6-M8 All Lengths ± 1.3 mm

FINISH:

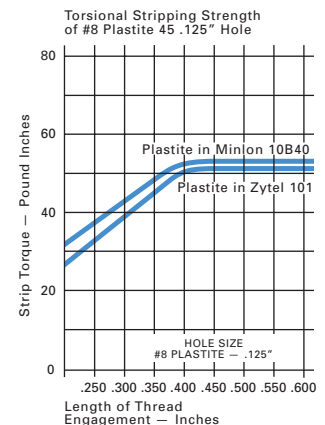
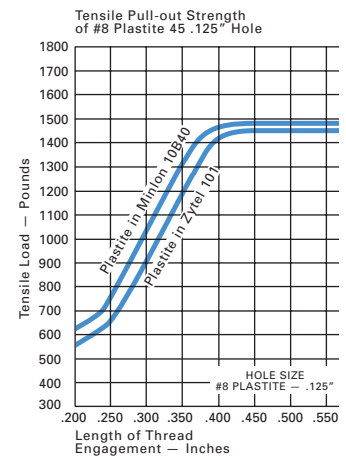
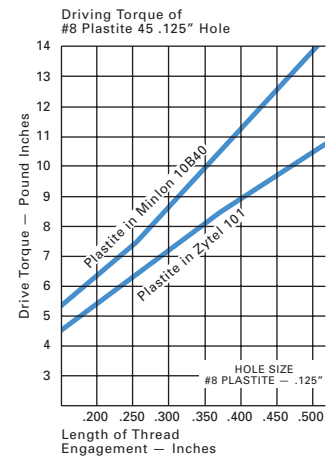
As Requested

PLASTITE® 45 Standards - METRIC

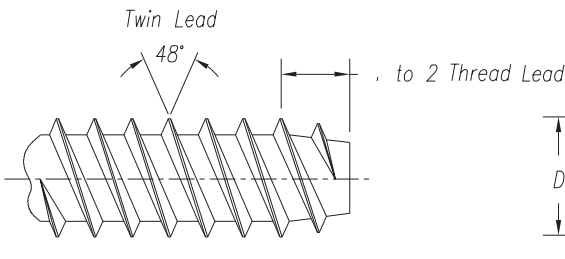
Screw Size	"C"	"D"	Minimum Out-of-Round	Recommended Pilot Hole	
				Min.	Max.
M2 x 1.35	2.04 - 1.92	1.99 - 1.87	0.05	1.40	1.60
M2.5 x 1.4	2.53 - 2.41	2.49 - 2.37	0.05	1.85	2.05
M3 x 1.5	3.04 - 2.92	2.99 - 2.87	0.05	2.30	2.50
M3.5 x 1.65	3.54 - 3.42	3.46 - 3.34	0.08	2.75	3.00
M4 x 1.75	4.04 - 3.89	3.94 - 3.79	0.10	3.20	3.45
M4.5 x 2	4.54 - 4.39	4.43 - 4.28	0.11	3.60	3.90
M5 x 2.2	5.04 - 4.89	4.94 - 4.79	0.10	3.70	4.10
M5 x 2.3	5.04 - 4.89	4.94 - 4.79	0.10	3.70	4.10
M6 x 2.5	6.04 - 5.89	5.93 - 5.78	0.11	4.70	5.10
M8 x 3	8.04 - 7.86	7.89 - 7.71	0.15	6.50	7.10

PLASTITE® 45 Standards - INCH

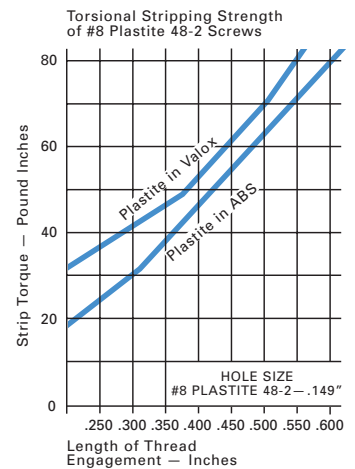
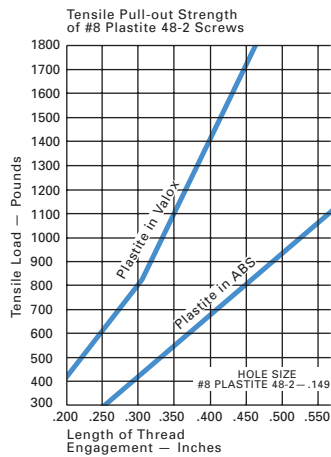
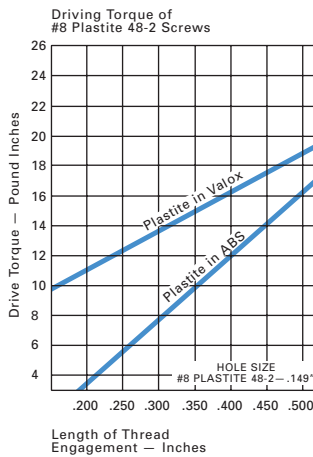
Screw Size	"C"	"D"	Minimum Out-of-Round	Recommended Pilot Hole	
				Min.	Max.
#2-19	.0875-.0835"	.0845-.0805"	.002"	.065"	.073"
#3-18	.101-.097"	.098-.094"	.002"	.076"	.084"
#4-17	.1145-.1095"	.111-.106"	.0025"	.087"	.096"
#5-15	.1275-.1225"	.1235-.1185"	.003"	.099"	.108"
#6-13	.141-.136"	.137-.132"	.003"	.102"	.114"
#7-12	.153-.148"	.1485-.1435"	.0035"	.114"	.127"
#8-11	.167-.161"	.162-.156"	.004"	.126"	.139"
#9-10	.179-.173"	.174-.168"	.004"	.135"	.149"
#10-9	.194-.188"	.189-.183"	.004"	.150"	.165"
#12-9	.220-.214"	.2145-.2085"	.0045"	.170"	.186"
1/4-8	.253-.247"	.247-.241"	.005"	.198"	.216"
9/32-8	.284-.278"	.278-.272"	.005"	.227"	.246"
5/16-8	.316-.308"	.309-.301"	.006"	.255"	.275"
21/64-8	.332-.324"	.325-.317"	.006"	.270"	.290"
11/32-8	.349-.341"	.342-.334"	.006"	.285"	.306"
3/8-7	.379-.371"	.371-.363"	.007"	.309"	.332"



PLASTITE® 48-2 Screws



PLASTITE® 48-2 TRILOBULAR™ thread-rolling screws have twin lead threads to provide faster, more efficient insertion. The sharp 48° thread profile increases holding strength and reduces material displacement and boss bursting tendencies. Drive and strip torques are higher, making drive tool adjustments simple. NOTE: Component and boss design should allow for much faster engagement than with single lead screws.



MATERIAL:
Low Carbon Steel, Suitably Hardened and Tempered

FINISH:
As Requested

LENGTH TOLERANCES:

Nom. Length Tol.
Thru 3/4" ±.030"
Over 3/4" ±.050"
Over 1/4" Dia.
All Lengths ±.050"

Screw Size T.P.I. (1)	"C"		"D"		Minimum Out-of- Round	Recommended Pilot Hole Sizes	
	Max.	Min.	Max.	Min.		Soft Ductile Materials	Brittle Materials
2 (.089) - 28	.092	.086	.089	.083	.002	.076	.080
* 3 (.106) - 24	.110	.104	.106	.100	.002	.088	.094
4 (.123) - 20	.127	.121	.123	.117	.002	.100	.106
6 (.143) - 19	.147	.141	.143	.137	.003	.122	.128
* 7 (.160) - 18	.166	.160	.160	.154	.004	.134	.142
8 (.179) - 16	.185	.179	.179	.173	.004	.149	.158
* 9 (.193) - 15	.199	.193	.193	.187	.004	.162	.172
10 (.208) - 14	.212	.206	.208	.202	.004	.175	.185
12 (.230) - 11	.235	.229	.230	.224	.005	.195	.206
* 12 (.226) - 14	.232	.226	.226	.220	.005	.195	.205
1/4 (.268) - 10	.276	.270	.268	.262	.006	.224	.240
5/16 (.335) - 9	.345	.335	.335	.325	.006	.286	.303

* Non-standard size

- Size/TPI – The PLASTITE® 48-2 screw size designation combines the commonly used numerical screw size with the major diameter (Max. "D"), as measured with ordinary micrometers, followed by the number of threads per inch.
- Recommended pilot hole sizes are subject to variation dependent on depth of engagement, ease of driving required and material being tapped. Users of PLASTITE® 48-2 screws should perform their own test to determine the most efficient pilot hole size for their own particular use, or contact the application engineering department of HOLBROOK MFG.