

COMPACT, RELIABLE PERFORMANCE

Mini-Spindles are the intelligent **compact solution** for **low-torque applications** in automatic or semi-automatic machine or robotic assembly station.



Compact - Compact & lightweight solution for applications with limited access



Reliable - Proven technology from the industry leader



Ease - Built-in mounting provisions for easy fixturing

MINI-SPINDLE

| MODEL NUMBER | FREE SPEED | TORQUE Nm | WEIGHT kg (lb) | LENGTH mm (in) | C-C (mm) | DOWNFORCE |
|--------------|------------|-----------|----------------|----------------|----------|-----------|
| 30MAD28P3E | 495 | 7 - 28 | 1.7 (3.74) | 257.1 (10.12) | 14.25 | 3/8" |
| 30MAD38P3E | 495 | 8 - 38 | 1.8 (3.96) | 259.3 (10.21) | 16.5 | 3/8" |
| 50MAD51P3E | 920 | 14 - 51 | 2.2 (4.84) | 304.8 (12.00) | 17 | 3/8" |
| 50MAD61P3E | 800 | 16 - 61 | 2.3 (5.06) | 312.8 (12.31) | 19 | 3/8" |

| | | | | | | |
|------------|------|--------|------------|--------------|----|------|
| 30MSD10D3E | 1425 | 3 - 10 | 1.2 (2.64) | 187.1 (7.37) | 23 | 3/8" |
| 30MSD15D3E | 1075 | 4 - 15 | 1.2 (2.64) | 192.9 (7.59) | 23 | 3/8" |
| 50MSD32D3E | 770 | 9 - 32 | 1.6 (3.52) | 237.7 (9.36) | 23 | 3/8" |



The Americas

Apex Tool Group
670 Industrial Drive
Lexington, SC 29072
USA
Tel.: +1 (800) 845 5629
Tel.: +1 (919) 387 0099
Fax: +1 (803) 358 7681
www.ClecoTools.com

Apex Tool Group
Manufacturing México
S. de R.L. de C.V.
Vialidad El Pueblito #103
Parque Industrial Querétaro
Querétaro, QRO 76220
México
Tel.: +52 (442) 211 3800
Fax: +52 (800) 685 5560

Apex Tool Group
Ind. Com. Ferram. Ltda. Av.
Liberdade, 4055
Zona Industrial Iporanga
Sorocaba, São Paulo
CEP# 18087-170
Brazil
Tel.: +55 15 3238 3870
Fax: +55 15 3238 3938

Europe | Middle East | Africa

Apex Tool Group GmbH
Industriestraße 1
73463 Westhausen
Germany
Tel.: +49 (0) 73 63 81 0
Fax: +49 (0) 73 63 81 222
www.ClecoTools.de

Apex Tool Group SAS
25 Avenue Maurice Chevalier
77330 Ozoir-La-Ferrière
France
Tel.: +33 16 44 32 200
Fax: +33 16 44 317 17

Apex Tool Group
Hungária Kft.
Platánfa u.2
9027 Győr
Hungary
Tel.: +36 96 66 1383
Fax: +36 96 66 1135

DRILCO

Avenida de Somosierra 22, E - 6 y 7
E-28703 S. S. de los Reyes (Madrid)
Tel. +34 916 591 900 · www.drilco.net