OBSOLETE DOCUMENT Technical Reference Only

- **Rugged, compact design**
- **Simple, reliable operation**
- **Crank actuation**

Torque Unit Double Acting 42 Nm

Technical Data

Medium:
Compressed air, filtered and lubricated

Operation:
Double acting, non-cushioned

Operating Pressure:
2 - 7 bar

Operating Temperature:
–20˚C* to +80˚C

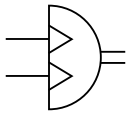
*Consult our Technical Service for use below +2˚C

Rotation:
90˚

Torque Output:
42 Nm maximum

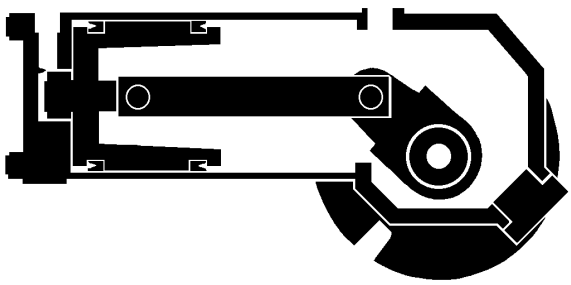
Torque Output Range

12 - 42 Nm



Materials

Steel crankshaft, barrel and tie rods, aluminium crankshaft housing, zinc alloy end cover, nitrile rubber seals.



Ordering Information

To order, quote model number.

Torque/Air Consumption

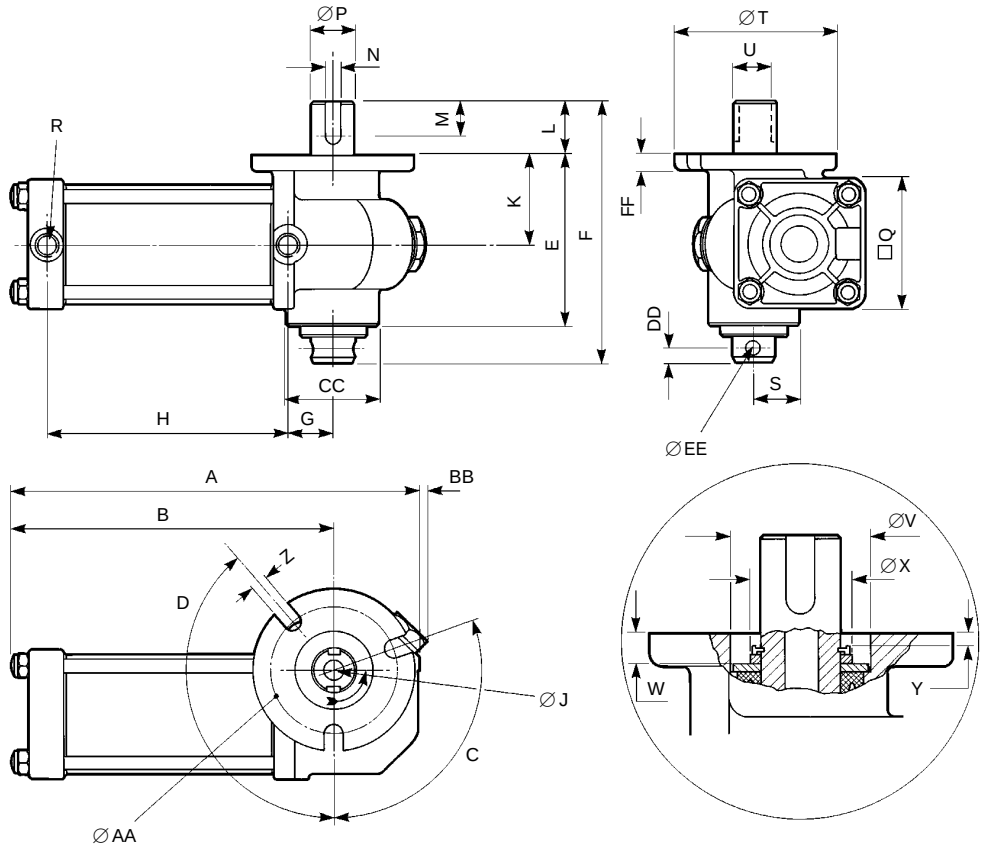
Bar		2	3	4	5	6	7
M/506	Nm	12	18	24	30	36	42
	Q	0,49	0,65	0,82	0,98	1,15	1,31

Q - Air consumption (l) per 90°

Weight of Torque Unit (kg)

Model	Weight
M/506	3,13

Basic Torque Unit Dimensions



Model	M/506
A	231
B	182
C	110°
D	140°
E	97
F	150
G	25,4
H	138,5
J	11
K	50,8
L	31
M	20
N	$8^{+0,02}_{-0,00}$
P	$25^{-0,020}_{-0,53}$
Q	74,6
R	G¼
S	25,4
T	92
U	$21^{+0,00}_{-0,30}$
V	$42^{+0,04}_{-0,00}$
W	7
X	31,0
Y	2,7
Z	10,3
AA P.C.D.	73
BB	6
CC	52,4
DD	8,7
EE	8,3
FF	9,5

Start position when keyway as shown in drawing, ±1°. Rotation $90^{\circ}{}^{+2^{\circ}}_{-0^{\circ}}$ anti-clockwise with connection to port furthest from shaft. Clockwise rotation with connection to port nearest to shaft. Tommy bar hole has no particular relationship to keyway.

Diameter 'J' hole through shaft.

Spares

Model	Barrel	Piston Assembly	Spares kit
M/506	S/P14216/3.48	QM/506/04	QM/506/00

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where *pressures* and *temperatures* can exceed those listed under **'Technical Data'**.
Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN MARTONAIR.
Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.