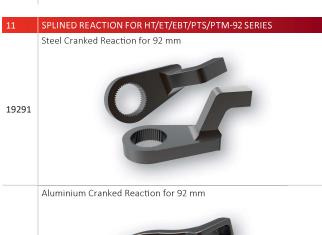
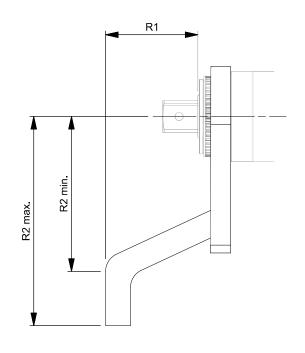


A variety of reaction plates, manufactured in Steel or Aluminium for HandTorque®, EvoTorque® Battery Tool and PneuTorque®. Norbar also offer a range of specific reactions for the Wind Energy Generation Industry.









Part Number	R1	R2 min	R2 max
18646	59 mm	71 mm	131 mm
19289	76 mm	124 mm	167 mm
18494	68 mm	91 mm	165 mm
19291	70 mm	125 mm	175 mm
18936	87 mm	115 mm	205 mm
19293	90 mm	162 mm	210 mm
18961	118 mm	150 mm	199 mm

18936



A variety of reaction plates, manufactured in Steel or Aluminium for HandTorque®, EvoTorque® Battery Tool and PneuTorque®. Norbar also offer a range of specific reactions for the Wind Energy Generation Industry.

11	SPECIAL SPLINED REACTION FOR HT/ET/EBT/PTS/PTM-92 SERIES
78028	Steel Cranked Reaction for 92 mm
	Typical Wind Tower mid-section reaction Part No. 78028

Part Number	R1	R2 min	R2 max
78027	90 mm	148 mm	248 mm
78028	70 mm	57 mm	145 mm
78029	76 mm	45 mm	115 mm
78030	110 mm	70 mm	156 mm



Typical examples of steel crowfoot reactions

	similar to 78029 and 78030
11	SPECIAL SPLINED REACTION FOR API FLANGES
78029	HT/ET/EBT/PTS/PTM-72 & 80 Series Steel Crowfoot Reaction for $14''-14''$ (M30 $-$ M39) nuts/bolts
78028	HT/ET/EBT/PTS/PTM-92 Series Steel Cranked Reaction (see image on left) for $1\%$ " – $1\%$ " (M42 – M48) nuts/bolts
78030	HT/ET/EBT/PTS/PTM-119 Series Steel Crowfoot Reaction for $2'' - 2\frac{1}{2}$ "(M52 – M64) nuts/bolts



Typical Wind Tower mid-section reaction Part No. 78027



Q4714 Pegged Reaction Plate for rail

11	SPECIAL SPLINED REACTION FOR RAIL
Q4714	HT/ET/EBT/PTS/PTM-52 Series Pegged Reaction Plate Max Torque 500 N·m
Q5000	HT/ET/EBT/PTS/PTM-72 Series Pegged Reaction Plate Max Torque 1,350 N⋅m





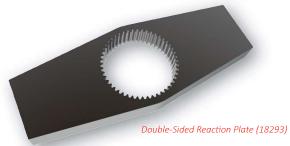
A variety of steel reaction plates and adaptors, together with ancillary feet, blades and heads to aid their use are available for HandTorque®, EvoTorque® Battery Tool and PneuTorque®.



Reaction Adaptors (18290 & 18558)

11	ANCILLARY ITEMS FOR USE WITH 18290 OR 18558
18558	Reaction Adaptor for HT/ET/EBT/PTS/PTM-52 Series
18290	Reaction Adaptor for HT/ET/EBT/PTS/PTM-72 Series
18298	Straight Reaction with Peg
18291	Straight Reaction
18241	Short Reaction Foot
18358	Sliding Reaction Blade (to be used with 18291)
18359	Sliding Reaction Spigot Head (to be used with 18291)







11	FOR HT/PTS/PTM-52 SERIES
18590	Double-Sided Reaction Plate
18576	Straight Reaction Plate
62236	Reaction Plate Spline Adaptor
11	FOR HT/ET/EBT/PTS/PTM-72 & 80 SERIES
18293	Double-Sided Reaction Plate
18292	Straight Reaction Plate
11	FOR ET/EBT/PTS/PTM-92 SERIES
18979	Straight Reaction Plate
18980	Double-Sided Straight Reaction Plate
11	FOR ET/EBT/PTM-119 SERIES
16687	Straight Reaction Plate

Double Sided Straight Reaction Plate



18981



A variety of steel reaction plates and adaptors, together with ancillary feet, blades and heads to aid their use are available for HandTorque®, EvoTorque® Battery Tool and PneuTorque®.



Sliding Reaction (180300.092.B08)



Reaction Weld Ring

11	SLIDING REACTIONS
180300.052.B06	52 mm diameter Sliding Reaction ¾" sq.
180300.072.B06	72 mm diameter Sliding Reaction ¾" sq.
180300.072.B08	72 mm diameter Sliding Reaction 1" sq.
180300.080.B08	80 mm diameter Sliding Reaction 1" sq.
180300.092.B08	92 mm diameter Sliding Reaction 1" sq.
180300.092.B12	92 mm diameter Sliding Reaction 1 ½" sq.
180300 119 B12	119 mm diameter Sliding Reaction 1 1/2" sq

11	REACTION WELD RINGS
18694	For HT/PTS/PTM-52
18695	For HT/ET/EBT/PTS/PTM-72 & 80
18696	For HT/ET/EBT/PTS/PTM-92
18697	For HT/ET/EBT/PTS/PTM-119



Sliding Spigot Reaction Plate (18436)

11	FOR HT 60 / PT 4500 / PT 5500
16687	Single Sided Straight Reaction Plate
18436	Sliding Spigot Reaction Plate
11	FOR HT 30 / PT 2700



Light Weight Reaction (19214)

11	LIGHT WEIGHT REACTIONS
19214	ET/EBT/PT/PTS/PTM-72 API Class 4 Light Weight Reaction